3.4.5 - Number of research papers per teacher in the Journals notified on UGC website during the year

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
Measurement of neutron induced reaction cross-section of 99Mo	Upadhyay M., Department of Physics, Banaras Hindu University, Varanasi, 221005, India; Choudhary M., Departmer	Physical Sciences	Journal of Physics G: Nuclear and Particle Ph	2023	0954-3899	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177481947&doi=10.1088%2f1361-6471%2fad0417&partnerID=40&md5=7f754b9a4bd44ea795694b1d116a7a9f
Light-particle-induced deexcitations of 31- and 22+ resonances of C 12 in extreme stellar conditions	Baishya A., Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nation	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181449145&doi=10.1103%2fPhysRevC.108.065807&partnerID=40&md5=7e773e061657dabf9397ada05616b86b
Ergodic polar cluster state and its dynamics in K and Nb modified BaTiO3	Selvamani R., Solid-State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Rao R., Solid-St	Physical Sciences	Ceramics International	2023	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173231068&doi=10.1016%2fj.ceramint.2023.09.276&partnerID=40&md5=32a2a365b6021e4277460bfc1d526000
Sterile neutrino searches with reactor antineutrinos using coherent neutrino-nucleus scattering experiments	Behera S.P., Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Mishra D.K., Nuclea	Physical Sciences	Physical Review D	2023	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179781119&doi=10.1103%2fPhysRevD.108.113002&partnerID=40&md5=85e5e51179283c705519b70fd93d08ff
A unified thermal-field emission theory for metallic nanotips	Ramachandran R., Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha National Institute, Mum	Physical Sciences	Journal of Applied Physics	2023	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179125442&doi=10.1063%2f5.0173728&partnerID=40&md5=4bb5097fa773464df7f48138c543e859
Field-induced phase transitions and anisotropic magnetic properties of the Kitaev-Heisenberg compound Na2Co2Te O6	Bera A.K., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Natio	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180355176&doi=10.1103%2fPhysRevB.108.214419&partnerID=40&md5=0d47d5e2d2a603977e90a464dde16e0c
Thermal catalytic mineralization of ortho-dichlorobenzene at low temperature: an in situ FT-IR and XPS mechanistic investigation	Kumar A., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Insti	Chemical Sciences	Materials Advances	2023	2633-5409	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181806286&doi=10.1039%2fd3ma00628j&partnerID=40&md5=78e995c2a0935bb81730a89598173cd4
Fluorescence correlation spectroscopy measurements on amyloid fibril reveal at least two binding modes for fluorescent sensors	Sarkar A., Radiation & Photochemistry Division, Bhabha Atomic Research Center, Mumbai, 400085, India, Homi Bha	Chemical Sciences	Chemical Physics Impact	2023	2667-0224	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176362003&doi=10.1016%2fj.chphi.2023.100369&partnerID=40&md5=4a61af07c92b5dac9f2aff0efac12ecf
Effects of intrinsic and extrinsic multi-phased lattice structure and chemical heterogeneity on the control of ferrimagnetic properties in Co rich spinel fer	Bhowmik R.N., Department of Physics, Pondicherry University, R. Venkataraman Nagar, Pondicherry, Kalapet, 60501	Physical Sciences	Journal of Magnetism and Magnetic Materia	2023	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174809399&doi=10.1016%2fj.jmmm.2023.171412&partnerID=40&md5=98a4be8b2b0c1eef4facb637f4cde6c1
Composition-dependent photoluminescence in nanocrystalline La2Hf2–xZrxO7:Eu phosphor: role of chemical twin Zr/Hf environments around a lumines	Gupta S.K., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nation	Chemical Sciences	Physical Chemistry Chemical Physics	2023	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181490785&doi=10.1039%2fd3cp05454c&partnerID=40&md5=1dfc9ad34aeaf409fb1310a34bdc90b5
Engineered triphenylphosphonium-based, mitochondrial-targeted liposomal drug delivery system facilitates cancer cell killing actions of chemotherapeu	Sivagnanam S., Department of Chemistry, SRM Institute of Science and Technology, SRM Nagar, Potheri, Tamil Nadu	Chemical Sciences	RSC Chemical Biology	2023	2633-0679	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181801565&doi=10.1039%2fd3cb00219e&partnerID=40&md5=e7bfe08b67feb8c0e5c9f40229ecdd53
Modulated Ultrathin NiCo-LDH Nanosheet-Decorated Zr3+-Rich Defective NH2-UiO-66 Nanostructure for Efficient Photocatalytic Hydrogen Evolution	Sk S., Department of Energy & Environmental Engineering, CSIR-Indian Institute of Chemical Technology, Hyderabad	Chemical Sciences	ACS Applied Materials and Interfaces	2023	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179140555&doi=10.1021%2facsami.3c13009&partnerID=40&md5=fc65c18d06f161551c29f17eee42ec16
One-pot synthesis of unsubstituted and methyl substituted-pyrazinyl diselenides and monoselenides: structural, optical property characterization and D	Kushwah N., Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400, India; Chopade S.M., Che	Chemical Sciences	RSC Advances	2023	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180013124&doi=10.1039%2fd3ra06591j&partnerID=40&md5=fcc8ce01fd9b96a54d6fe2962dd0f540
Concept of accident tolerant fuel in nuclear reactors	Yadav K.K., Light Water Reactor Physics Section, RPDD, BARC, Mumbai, 400085, India; Pal U., Light Water Reactor P	Physical Sciences	Nuclear and Particle Physics Proceedings	2023	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174967706&doi=10.1016%2fj.nuclphysbps.2023.09.026&partnerID=40&md5=764a2300d71edf4cafb153c79622566a
Influence of amorphous intermediate domains on the performance of Na2O–Bi2O3–GeO2 glass–ceramic anode material system	Yerranuka S.K., Department of Physics, School of Science, GITAM Deemed to be University, TS, Hyderabad, 502329,	Chemical Sciences	Applied Physics A: Materials Science and Pro	2023	0947-8396	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176015245&doi=10.1007%2fs00339-023-07074-2&partnerID=40&md5=ca9180d44181b02d16c53c80ed257cdf
Local Structure and Speciation-Driven UO22+ → Sm3+ Energy Transfer for Enhanced Luminescence in Li2B4O7	Balhara A., Radiochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhab	Chemical Sciences; Physi	Inorganic Chemistry	2023	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179603112&doi=10.1021%2facs.inorgchem.3c03202&partnerID=40&md5=5f8862c359f57a37b5d88a7550b2ffe5
Suppression of Transients From Continuous Seismic Records Without Modifying the Amplitude of Ambient Noise	Gupta P., Homi Bhabha National Institute, Department of Engineering Sciences, Maharashtra, Mumbai, 400094, Ind	Physical Sciences	IEEE Sensors Journal	2023	1530-437X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177062346&doi=10.1109%2fJSEN.2023.3328142&partnerID=40&md5=b1223d69868f1b4ca246672c3c2028b4
Predicting the pair correlation functions of silicate and borosilicate glasses using machine learning	Ayush K., Department of Chemical Engineering and Center for Atomistic Modeling and Materials Design, Indian Inst	Chemical Sciences	Physical Chemistry Chemical Physics	2023	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180107056&doi=10.1039%2fd3cp05136f&partnerID=40&md5=32f1d533e18f666a00ea938dc819da6a
Intercorrelations of structural-magnetic properties of La0.7A0.3MnO3 (A=Ba, Sr, Pb) manganites and the energy harvesting applications of their flexible	Koner S., Laser Biomedical Applications Division, Raja Ramanna Centre for Advanced Technology, Indore, 452013, In	Physical Sciences	Journal of Alloys and Compounds	2023	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172315280&doi=10.1016%2fj.jallcom.2023.172249&partnerID=40&md5=4663601177be29be392ffe75ed6f97fe
Structural and electronic properties of novel BeN4/MgN4 nanoribbons	Ponvijayakanthan L., D Materials Research Laboratory, Discipline of Physics, PDPM Indian Intitute of Information Te	Physical Sciences	Nano Express	2023	2632-959X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177605548&doi=10.1088%2f2632-959X%2fad04f8&partnerID=40&md5=d7b76aa1b90abf54571e271d2ee2b6c9
Microwave absorption and hyperthermia properties of titanium dioxide–nickel zinc copper ferrite nanocomposite	Mallick A., Solid State Research Laboratory, Department of Physics, The University of Burdwan, West Bengal, Burdw	Chemical Sciences	Journal of Magnetism and Magnetic Materia	2023	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174828176&doi=10.1016%2fj.jmmm.2023.171373&partnerID=40&md5=8cd0b83da14286321427ac50e0df4fc6
Interparticle interaction-dependent jamming in colloids: insights into glass transition and morphology modulation during rapid evaporation-induced ass	Mehta S., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Natio	Chemical Sciences; Physi	Soft Matter	2023	1744-683X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180307473&doi=10.1039%2fd3sm01186k&partnerID=40&md5=9b5e56f9d7bc588a8b0216ca25bc4bef
Observation of charge transfer induced large enhancement of magnetic moment in a structurally disordered inverse Heusler alloy Fe2RuGe	Chakraborty S., Condensed Matter Physics Division, Saha Institute of Nuclear Physics, 1/AF Bidhannagar, Kolkata, 70	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180957375&doi=10.1103%2fPhysRevB.108.245151&partnerID=40&md5=09f900caf2947e25a5908dc211fe79f3
β-Bi2O3-Bi2WO6 Nanocomposite Ornated with meso-Tetraphenylporphyrin: Interfacial Electrochemistry and Photoresponsive Detection of Nanomolar	Pal S., Department of Chemistry, Jadavpur University, Kolkata, 700032, India; Mahamiya V., National Institute for M	Physical Sciences	Inorganic Chemistry	2023	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180066214&doi=10.1021%2facs.inorgchem.3c03213&partnerID=40&md5=17b43ce68c02041e667bd8c47ba48c88
AC Conductivity and Dielectric Constant of Fast Ion-Electronic Conductor AgI-C	Jayakrishnan V.B., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhab	Physical Sciences	ECS Journal of Solid State Science and Techn	2023	2162-8769	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180148472&doi=10.1149%2f2162-8777%2fad1198&partnerID=40&md5=847c54a1cb29acf63687def6dea2d1fe
Experiments and CFD modelling of bubble formation at a lateral hole in a top-submerged nozzle	Sen N., Chemical Engineering Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bh	Engineering Sciences	Chemical Engineering Research and Design	2023	0263-8762	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175330058&doi=10.1016%2fj.cherd.2023.09.013&partnerID=40&md5=bb6a86e695bb03b6b77fa9a7a91d9534
Simulation of random medium of fuel pebble with liquid salt coolant using PebMC code	Singh I., Reactor Physics Design Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National In	Physical Sciences	Physics Open	2023	2666-0326	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175532030&doi=10.1016%2fj.physo.2023.100190&partnerID=40&md5=d6132ce43623c3b3a66a46cc159d4272
Fibril ZnO as an Electron Transporting Layer for Enhancing the Photovoltaic Performance of Inverted Polymer Solar Cells Based on Nonfullerene Accepto	Putta V., Technical Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Gupta D., Homi Bhabh	Physical Sciences	ACS Applied Electronic Materials	2023	2637-6113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180098671&doi=10.1021%2facsaelm.3c01226&partnerID=40&md5=7d2f6fd2ceca066cb37c518cd25d9512
Understanding the broad-band emission process of 3C 279 through long term spectral analysis	Thekkoth A., Department of Physics, University of Calicut, Kerala, Malappuram, 673635, India; Sahayanathan S., Ast	Physical Sciences	Monthly Notices of the Royal Astronomical	2023	0035-8711	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177164116&doi=10.1093%2fmnras%2fstad3094&partnerID=40&md5=b3c4e7c602ce10f2ac41d9e124b9b838
Unprecedented confinement time of electron plasmas with a purely toroidal magnetic field in SMARTEX-C	Lachhvani L., Institute for Plasma Research, A CI of Homi Bhabha National Institute, Bhat, Gujarat, Gandhinagar, 382	Physical Sciences	Scientific Reports	2023	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175711376&doi=10.1038%2fs41598-023-44849-2&partnerID=40&md5=836a718e9d8eee95b3a73718f12a11b9
Unravelling the mechanisms of copper precipitation-induced strengthening in austenitic stainless steels: An atomistic approach	Biswal S., Department of Metallurgical and Materials Engineering, Indian Institute of Technology Kharagpur, West B	Engineering Sciences	Materialia	2023	2589-1529	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177200314&doi=10.1016%2fj.mtla.2023.101962&partnerID=40&md5=18f16e6e1ed389032dbb2f4cd95dbbd2
CTAB induced growth and shrinkage of Pluronics® P103 micelles: Experimental and theoretical rationale	Patel D., Department of Chemistry, Sardar Vallabhbhai National Institute of Technology (SVNIT), Ichchhanath, Gujar	Physical Sciences	Journal of Molecular Liquids	2023	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174698206&doi=10.1016%2fj.molliq.2023.123315&partnerID=40&md5=292dbac2f96d8e76e5b7ad8dabf52839
Quintinite: A Mg–Al-layered double hydroxide as an efficient amido black dye adsorbent	Bokka S., MAPS (Materials' Process - Structure correlations) Laboratory, Metallurgical and Materials Engineering, In	Chemical Sciences	Ceramics International	2023	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173873943&doi=10.1016%2fj.ceramint.2023.10.072&partnerID=40&md5=beaefb1ec93a7bc7a708b685d0d0bbc5
Design, fabrication, and characterization of a drift tube linac type double gap re-buncher cavity	Mathew J.V., Ion Accelerator Development Division, BARC, Mumbai, 400085, India; Priyadarshini P., Ion Accelerator	Physical Sciences	Review of Scientific Instruments	2023	0034-6748	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178851016&doi=10.1063%2f5.0175648&partnerID=40&md5=b806c0e2e0246e6c1728e44e2d03704e
High-capacity hydrogen storage in zirconium decorated psi-graphene: acumen from density functional theory and molecular dynamics simulations	Nair H.T., Department of Physics, The M. S. University of Baroda, Gujarat, Vadodara, 390002, India; Jha P.K., Depart	Physical Sciences	International Journal of Hydrogen Energy	2023	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138573139&doi=10.1016%2fj.ijhydene.2022.08.084&partnerID=40&md5=99e07a10b063146f43949bba18e0971b
Bio-conjugated carbon dots for the bimodal detection of prostate cancer biomarkers via sandwich fluorescence and electrochemical immunoassays	Korram J., Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Anbalagan A.C., C	Chemical Sciences	Journal of Materials Chemistry B	2023	2050-750X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181754165&doi=10.1039%2fd3tb02090h&partnerID=40&md5=52a24acbd4544f54a92b3a213de4e753
CFD and machine learning based hybrid model for passive dilution of helium in a top ventilated compartment	Sharma P.K., Reactor Safety Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400 085, India; Verma V.	Engineering Sciences	Kerntechnik	2023	0932-3902	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177173309&doi=10.1515%2fkern-2023-0079&partnerID=40&md5=d82f0bc253ce27cc3a7f0aff3b91b740
Fe(TCNQ)2 nanorod arrays: an efficient electrocatalyst for electrochemical ammonia synthesis via the nitrate reduction reaction	Mukherjee N., Department of Industrial Chemistry & Applied Chemistry, Swami Vivekananda Research Centre, Ram	Physical Sciences	Journal of Materials Chemistry A	2023	2050-7488	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182351229&doi=10.1039%2fd3ta05300h&partnerID=40&md5=d36a2f44f0d28b4630131381e1d8f82a
Flow synthesis of 1-ethyl-3-methylimidazolium ethyl sulfate in a PTFE micro-capillary: an experimental and numerical study	Sen N., Chemical Engineering Division, Bhabha Atomic Research Centre, Mumbai, Trombay, 400085, India, Homi Bh	Engineering Sciences	Microfluidics and Nanofluidics	2023	1613-4982	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174713832&doi=10.1007%2fs10404-023-02686-9&partnerID=40&md5=75c9a05103e9b3f070917b23fb7e02d3
Lithium decorated Ψ-graphene as a potential hydrogen storage material: Density functional theory investigations	Dewangan J., Indian Institute of Technology Bombay, Mumbai, 400076, India; Mahamiya V., Indian Institute of Tech	Physical Sciences	International Journal of Hydrogen Energy	2023	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143858417&doi=10.1016%2fj.ijhydene.2022.10.142&partnerID=40&md5=f4573752f6ca429e02dff536a8454c6b
Micro-structural analysis of oxygen irradiated V-4Cr-4Ti by X-ray and electron back scattered diffraction	Dey S., Variable Energy Cyclotron Centre, 1/AF Bidhannagar, Kolkata, 700064, India; Gayathri N., Variable Energy Cy	Chemical Sciences; Engin	Fusion Engineering and Design	2023	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177040324&doi=10.1016%2fj.fusengdes.2023.114064&partnerID=40&md5=cb52f0ae15441988509e84daa016224d
A Simplified and Affordable Arsenic Filter to Prevent Arsenic Poisoning: Lab-Scale Study and Pilot Experiment	Panda A.P., Department of Chemistry, Birla Institute of Technology, Mesra, Jharkhand, Ranchi, 835215, India, Chitka	Chemical Sciences	ACS ES and T Water	2023	2690-0637	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178085984&doi=10.1021%2facsestwater.3c00475&partnerID=40&md5=41ed216f797a49c5a0178e531b716e08
Plant regeneration through somatic embryogenesis in cell suspensions of Cenchrus ciliaris L.	Goyal S., Plant Developmental Biology, Department of Botany, University of Delhi, Delhi, 110007, India; Chatterjee V	Life Sciences	Plant Methods	2023	1746-4811	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174460483&doi=10.1186%2fs13007-023-01081-3&partnerID=40&md5=f080cc5458662aa01f746549fb0a66cd
Fluorescence based studies on the interaction and characterization of surface-active ionic liquids with polarity sensitive intramolecular charge transfer p	Ray D., Department of Chemistry, North-Eastern Hill University, Shillong, 793 022, India; Chamlagai D., Department	Physical Sciences	Chemical Physics Impact	2023	2667-0224	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178212655&doi=10.1016%2fj.chphi.2023.100368&partnerID=40&md5=bbca9882e506f963629cc51e5fc721d5
Adsorption and dehydrogenation of ammonia on Ru55, Cu55 and Ru@Cu54 nanoclusters: role of single atom alloy catalyst	Chattaraj D., Product Development Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Ma	Chemical Sciences	Physical Chemistry Chemical Physics	2023	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179812497&doi=10.1039%2fd3cp04830f&partnerID=40&md5=03dbdab41787ae9d7e21a676feafd635
Study of reactive electron beam deposited tantalum penta oxide thin films with spectroscopic ellipsometry and atomic force microscopy	Tokas R.B., Atomic & Molecular Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India	Physical Sciences	Applied Surface Science Advances	2023	2666-5239	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175083560&doi=10.1016%2fj.apsadv.2023.100480&partnerID=40&md5=2044f18dc13dede60b38b7c0d42b1da9
Radiation assisted hydrophobization of jute fiber	Jha A., Homi Bhabha National Institute, Mumbai, India, Isotope and Radiation Application Division, Bhabha Atomic R	Chemical Sciences	Journal of Applied Polymer Science	2023	0021-8995	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171594687&doi=10.1002%2fapp.54690&partnerID=40&md5=865b4f976d709cc13b3f3f70b8690614
Ionic Liquid Assisted Exothermic Complexation of Trivalent Lanthanides with Fluorinated β Diketone: Multitechnique Approach with Theoretical Insight	Nagar A., UM-DAE Centre for Excellence in Basic Sciences, Mumbai, 400098, India; Sengupta A., Radiochemistry Div	Chemical Sciences	Inorganic Chemistry	2023	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178555791&doi=10.1021%2facs.inorgchem.3c03029&partnerID=40&md5=445c6032d41049ab6e8ffd74828b3501
Additive-Free Continuous, Weavable Carbon Nanotube Fibers as Wearable Multifunctional Gas Sensor	Rohilla R., Materials Group, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institu	Chemical Sciences; Engin	IEEE Sensors Journal	2023	1530-437X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177031581&doi=10.1109%2fJSEN.2023.3330945&partnerID=40&md5=07524e38aae632f08a2f5da085472dcd
Potential reversible hydrogen storage in Li-decorated carbon allotrope PAI-Graphene: A first-principles study	Mahamiya V., Indian Institute of Technology Bombay, Mumbai, 400076, India; Shukla A., Indian Institute of Technol	Physical Sciences	International Journal of Hydrogen Energy	2023	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142123400&doi=10.1016%2fj.ijhydene.2022.11.016&partnerID=40&md5=1f41f49842342a6b0dbdfdeec3c76a88
Trap engineering through chemical doping for ultralong X-ray persistent luminescence and anti-thermal quenching in Zn2GeO4	Balhara A., Radiochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhab	Chemical Sciences; Physi	Journal of Materials Chemistry C	2023	2050-7526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182197552&doi=10.1039%2fd3tc03731b&partnerID=40&md5=c591252365232c77885184c492661cde
Surface modification of thin film composite nanofiltration membrane with graphene oxide by varying amine linkers: Synthesis, characterization, and app	Vaishnavi P.S.V., Department of Chemical Engineering, Institute of Chemical Technology, Nathalal Parekh Marg, Ma	Engineering Sciences; Life	Journal of Membrane Science	2023	0376-7388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169047490&doi=10.1016%2fj.memsci.2023.122021&partnerID=40&md5=bfc715585289fc012216239aa5f359dd
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Cost effective red emitting Eu3+ doped natural sodium feldspar (NaAlSi3O8) powder and photophysical changes on transition to glassy state	Saha P., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Shukla R., Chemistry Division,	Chemical Sciences	Results in Optics	2023	2666-9501	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174944278&doi=10.1016%2fj.rio.2023.100566&partnerID=40&md5=7920b863742c74b7381ca5610a94d29d
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Pressure driven polymorphic transitions in nanocrystalline Lu2O3, Tm2O3 and Eu2O3	Bura N., CSIR- National Physical Laboratory, Dr. K. S. Krishnan Marg, New Delhi, 110012, India, Academy of Scientific	Physical Sciences	Scientific Reports	2023	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174175112&doi=10.1038%2fs41598-023-42181-3&partnerID=40&md5=f49a2e40fd61b69203970b0581c1baba
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Codoping of Yttria (Y2O3): Ho-Yb Nanoparticles with Li Increase Emitted Green Light Intensity for Security Ink and Bioimaging	Srivastava M., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Sahu S.K., Chemistry Di	Chemical Sciences	ACS Applied Nano Materials	2023	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179174982&doi=10.1021%2facsanm.3c03903&partnerID=40&md5=644204618c7daf61c58d7b58f41c3a13
Interaction of β-lactoglobulin with gemcitabine based dansylated probe for its application in quantification of milk allergen	Gadly T., Bio-Organic Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Patro B.S., Bio-Organic Divi	Life Sciences	Journal of Molecular Liquids	2023	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173611763&doi=10.1016%2fj.molliq.2023.123259&partnerID=40&md5=c437cf86bef3a78efbbfcfc8c80ecb2a
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Reactivity of oxidants towards phenyl and benzyl substituted 5-selanylpentanoic acids: radiolytic and theoretical insights	Singh B.G., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 4000851, Ind	Chemical Sciences	New Journal of Chemistry	2023	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179058463&doi=10.1039%2fd3nj04487d&partnerID=40&md5=22247bc5dd5b49509430d6b303b1c9fe
Search for pair-produced vector-like leptons in final states with third-generation leptons and at least three b quark jets in proton-proton collisions at s=1	Tumasyan A., Yerevan Physics Institute, Yerevan, Armenia; Adam W., Institut für Hochenergiephysik, Vienna, Austri	Physical Sciences	Physics Letters, Section B: Nuclear, Elementa	2023	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174050161&doi=10.1016%2fj.physletb.2023.137713&partnerID=40&md5=5a17f4534238adebc523e0411642384c
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Improved performance of LiFePO4F cathodes via V/Na-ion co-doping for application in lithium-ion batteries	Shinde P.V., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Dutta D.P., Chemistry Div	Chemical Sciences	Ionics	2023	0947-7047	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171333892&doi=10.1007%2fs11581-023-05224-3&partnerID=40&md5=756a98b7e8b6f3726030078c24295cfe
Characterizing and demonstrating the role of Klebsiella SSN1 exopolysaccharide in osmotic stress tolerance using neutron radiography	Sharma S., Dept. of Microbiology and Biotechnology, School of Sciences, Gujarat University, Ahmedabad, 380009, In	Physical Sciences	Scientific Reports	2023	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163139240&doi=10.1038%2fs41598-023-37133-w&partnerID=40&md5=1cf5087f3a81d70e41d93d88a2e0f59d
Field electron emission performance of Janus MoSSe and MoSSe-MWCNTs composite: Corroboration by Hall measurement and DFT simulation	Mistari C.D., Department of Physics, Savitribai Phule Pune University Pune, India; Mane P., Seismology Division, Bha	Physical Sciences	Journal of Alloys and Compounds	2023	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165280516&doi=10.1016%2fj.jallcom.2023.171356&partnerID=40&md5=23fbde91afb53fa044cadbdd76335cbd
Prognostic predictors for recurrence following curative resection in grade I/II pancreatic neuroendocrine tumours	Chopde A., Gastrointestinal and Hepato-Pancreato-Biliary Service, Department of Surgical Oncology, Tata Memorial	Medical and Health Scien	Langenbeck's Archives of Surgery	2023	1435-2443	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159758700&doi=10.1007%2fs00423-023-02943-z&partnerID=40&md5=628860941f6e2414f61f46e0f617b939
Effect of ZnO morphologies on its sensor response and corresponding E-nose performance	Sinju K.R., Technical Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha Natio	Physical Sciences	Materials Science and Engineering: B	2023	0921-5107	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172901434&doi=10.1016%2fj.mseb.2023.116870&partnerID=40&md5=918e5c5dbd5902a81f30115e6f9c78a7
Dynamic phase transformation driven microstructure and texture development during deformation of Zr-2.5wt.%Nb in α+β phase field	Bharat Reddy G., Division of Engineering Sciences, Homi Bhabha National Institute, Mumbai, 400094, India, Mechar	Engineering Sciences; Ph	Acta Materialia	2023	1359-6454	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171758187&doi=10.1016%2fj.actamat.2023.119354&partnerID=40&md5=e939d098d1c1e5f0f79c3a1c38b3b090
Evidence of Size Stratification in Colloidal Glass Microgranules Realized by Rapid Evaporative Assembly	Tiwari A.K., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha Nat	Engineering Sciences; Ph	Langmuir	2023	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176495079&doi=10.1021%2facs.langmuir.3c01872&partnerID=40&md5=b0f48bfc4b76d7abe8174c5fd1f79ca1
Laser isotope separation of 223Ra	Suryanarayana M.V., Bhabha Atomic Research Centre, Andhra Pradesh, Visakhapatnam, India	Physical Sciences	Scientific Reports	2023	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156237576&doi=10.1038%2fs41598-023-34204-w&partnerID=40&md5=7980996f9c0c175a875ba8faa07f670a
Ni1-xZnxFe2O4@CoO (x = 0.25 and 0.50) Nanoparticles for Magnetic Resonance Imaging	Konwar K., Department of Physics, Tezpur University (Central University), Tezpur, 784028, India; Bora M., Departme	Physical Sciences	ACS Applied Nano Materials	2023	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178373189&doi=10.1021%2facsanm.3c04658&partnerID=40&md5=0edafbffb3d065676e327e09f785e4b7
Dimethylpiperazine on Air-Water Interface: Vibrational Sum frequency Generation study of a cyclic tertiary amine	SENGUPTA S., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, In	Chemical Sciences	Journal of Molecular Liquids	2023	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173273594&doi=10.1016%2fj.molliq.2023.123248&partnerID=40&md5=c98f00260e2d9aa0dd4ba5d9998150cd
Quantifying nematic order in the evaporation-driven self-assembly of halloysite nanotubes: nematic islands and the critical aspect ratic	Dadwal A., Department of Physics, Indian Institute of Technology Bombay Powai, Mumbai, 400076, India; Prasher N	Engineering Sciences	Soft Matter	2023	1744-683X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178316488&doi=10.1039%2fd3sm01224g&partnerID=40&md5=7e988df628afa3b502b8e367333554c9
Magneto-strain effects in 2D ferromagnetic van der Waal material CrGeTe 3	Vijay K., Accelerator Physics and Synchrotrons Utilization Division, Raja Ramanna Centre for Advanced Technology,	Chemical Sciences; Physi	Scientific Reports	2023	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160277461&doi=10.1038%2fs41598-023-35038-2&partnerID=40&md5=14bf5f648e866ceb74107768408d34f8

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Investigating the impact of roller position on pressure tube-end fitting rolled joint performance using 3D explicit finite element analysis	Roy V., Advanced Heavy Water Reactor Division, Reactor Design & Development Group, India, Bhabha Atomic Rese	Engineering Sciences	International Journal of Pressure Vessels and	2023	0308-0161	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171371733&doi=10.1016%2fj.ijpvp.2023.105057&partnerID=40&md5=5e392f95e9da831794f3926eee255842
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Search for the Higgs boson decay to a pair of electrons in proton-proton collisions at s=13TeV	Tumasyan A., Yerevan Physics Institute, Yerevan, Armenia; Adam W., Institut für Hochenergiephysik, Vienna, Austri	Physical Sciences	Physics Letters, Section B: Nuclear, Element	2023	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174689862&doi=10.1016%2fj.physletb.2023.137783&partnerID=40&md5=c987627a65093f1689f4b0e0a7e1361f
Dimensionality reduction and sensitivity improvement for TACTIC Cherenkov data using t-SNE machine learning algorithm	Das M.P., Astrophysical Sciences Division, Bhabha Atomic Research Centre, Trombay, Maharashtra, Mumbai, 40008	Physical Sciences	Nuclear Instruments and Methods in Physics	2023	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172174521&doi=10.1016%2fj.nima.2023.168683&partnerID=40&md5=fcf7832de29ed3915daa6694af2efaf3
Reduction-sensitive shell crosslinked TPGS micelles: Formulation and colloidal characterizations	Sarolia J., Department of Pharmaceutics, National Institute of Pharmaceutical Education and Research (NIPER), Rae	Physical Sciences	Colloids and Surfaces A: Physicochemical an	2023	0927-7757	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172397385&doi=10.1016%2fj.colsurfa.2023.132321&partnerID=40&md5=a9fb2797875e5b8d56fd185e89f792d4
Sigma phase precipitation and growth in solution annealed 321 stainless steel during thermal aging: Effects on toughness & intergranular corrosion	Bonagani S.K., Materials Processing & Corrosion Engineering Division, Bhabha Atomic Research Centre, Mumbai, 40	Engineering Sciences	Materials Science and Engineering: A	2023	0921-5093	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174399778&doi=10.1016%2fj.msea.2023.145763&partnerID=40&md5=d4587295642cf9fb87dbbff6e39f913b
AI and CV based 2D-CNN algorithm: botanical authentication of Indian honey	Brar D.S., Department of Food Engineering and Technology, Sant Longowal Institute of Engineering and Technology	Life Sciences	Sustainable Food Technology	2023	2753-8095	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181820040&doi=10.1039%2fd3fb00170a&partnerID=40&md5=52b56d2f7724a34da07076e04b036e50
Defect properties and solution energies of dopants in NASICON-type LiGe2(PO4)3 solid electrolyte: a first-principles study	Das A., Glass & Advanced Materials Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabh	Chemical Sciences; Physi	Physical Chemistry Chemical Physics	2023	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176779455&doi=10.1039%2fd3cp02165c&partnerID=40&md5=51be2ef11b35491dfa5c9d36bc11c830
Analysis of Kobayashi benchmark with indigenous Monte Carlo neutron transport code PATMOC	Mallick A.K., Reactor Physics Design Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha Nation	Physical Sciences	Physics Open	2023	2666-0326	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167822047&doi=10.1016%2fj.physo.2023.100179&partnerID=40&md5=46dbc166993af45c8763de51c31b3c47
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Experimental and computational investigation on the charge storage performance of a novel Al2O3-reduced graphene oxide hybrid electrode	Ratha S., School of Basic Sciences, Indian Institute of Technology Bhubaneswar, Argul, Khordha, 752050, India; Sahc	Physical Sciences	Scientific Reports	2023	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151366225&doi=10.1038%2fs41598-022-23574-2&partnerID=40&md5=581d079b6c06d707e589079fb6e579fd
Tensorial stress-plastic strain fields in α - ω Zr mixture, transformation kinetics, and friction in diamond-anvil cell	Levitas V.I., Department of Aerospace Engineering, Iowa State University, Ames, 50011, IA, United States, Departme	Physical Sciences	Nature Communications	2023	2041-1723	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172225686&doi=10.1038%2fs41467-023-41680-1&partnerID=40&md5=131b550d4c5d23eed754ece97a1440db
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Microstructure and magnetic properties of binary Mn54-Al46 alloy particulates obtained by severe plastic deformation processing via end-milling and an	Jo J., Department of Mechanical Engineering and Materials Science, University of Pittsburgh, PA, United States; Vish	Engineering Sciences	Journal of Magnetism and Magnetic Materia	2023	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170574321&doi=10.1016%2fj.jmmm.2023.171200&partnerID=40&md5=5f921ee055b7b7499541bf9117a1e1a8
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Smart Magnetic Nanocarriers for Codelivery of Nitric Oxide and Doxorubicin for Enhanced Apoptosis in Cancer Cells	Dutta B., Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha Nati	Chemical Sciences	ACS Omega	2023	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179157215&doi=10.1021%2facsomega.3c03734&partnerID=40&md5=6a5ec3d2bfa445604047c5a0e5472dec
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Dopant-activated magnetism and local structure properties of cubic shape Co, Mn:In2O3	Dhamodaran M., Materials Science Programme, Indian Institute of Technology, Uttar Pradesh, Kanpur, 208016, Indi	Physical Sciences	Materials Science in Semiconductor Process	2023	1369-8001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169789621&doi=10.1016%2fj.mssp.2023.107818&partnerID=40&md5=23782c76ae8ec7e382fee99688b91d8f
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Tough, flexible and oil-resistant film from sonicated guar gum and cellulose nanofibers for food packaging	Palanichamy P., Food Process Engineering Laboratory, Department of Chemical Engineering, A. C. Tech Campus, An	Life Sciences	Food Packaging and Shelf Life	2023	2214-2894	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171770419&doi=10.1016%2fj.fpsl.2023.101189&partnerID=40&md5=daef1a4a3ade2f81a63f4c1d30f9059c
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An augmented QCD phase portrait: Mapping quark-hadron deconfinement for hot, dense, rotating matter under magnetic field	Mukherjee G., Nuclear Physics Division, Bhabha Atomic Research Center, Mumbai, 400085, India, Homi Bhabha Nat	Physical Sciences	Physics Letters, Section B: Nuclear, Element	2023	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173286869&doi=10.1016%2fj.physletb.2023.138228&partnerID=40&md5=f09ae4f4d2e19a1b3b0e4a4ad495fa11
Understanding the self-pinning driven jamming behavior of colloids in drying droplets	Mehta S., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Natio	Physical Sciences	Colloids and Surfaces A: Physicochemical an	2023	0927-7757	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168807758&doi=10.1016%2fj.colsurfa.2023.132284&partnerID=40&md5=9039af7838509ed88a8a162fb4c1b064
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Neutronics study of chloride fuel salts for experimental design of small Molten Salt Reactor	Dwivedi D.K., Reactor Physics Design Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Srivastava A	Physical Sciences	Nuclear and Particle Physics Proceedings	2023	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169832620&doi=10.1016%2fj.nuclphysbps.2023.08.009&partnerID=40&md5=1af96742982ae489f34a4e8934063402
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A proof of concept for the micellization of quercetin with anionic surfactants: Effect of counter ion	Vigneshwari R., Department of Chemistry, Annamalai University, Tamil Nadu, Chidambaram 608002, India; Sivakum	Chemical Sciences	Journal of Molecular Liquids	2023	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171617453&doi=10.1016%2fj.molliq.2023.122671&partnerID=40&md5=7b6c6e068ab6e83b1b22c01a49f53910
Quest for understanding neutron emission in nuclear fission: The case of Po 210	Dhuri S., Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179072542&doi=10.1103%2fPhysRevC.108.054609&partnerID=40&md5=08882a6d5f5f8290213fc26e28f9efab
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Synthesis and evaluation of phosphonato-triphenylamine fluorophore as a highly sensitive chemosensor for nitroaromatics	Malegaonkar J.N., Polymers and Functional Materials Division, CSIR-Indian Institute of Chemical Technology, Telang	Chemical Sciences	Journal of Photochemistry and Photobiology	2023	1010-6030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170280374&doi=10.1016%2fj.jphotochem.2023.115105&partnerID=40&md5=21809d18a09c04b4b77b1ec6ad0218ea
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WS2 nanosheets decorated multi-layered MXene based chemiresistive sensor for efficient detection and discrimination of NH3 and NO2	Sardana S., Department of Physics, Guru Nanak Dev University, Amritsar, 143005, India; Debnath A.K., Technical Ph	Physical Sciences	Sensors and Actuators B: Chemical	2023	0925-4005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166587359&doi=10.1016%2fj.snb.2023.134352&partnerID=40&md5=935234f7e845ad85982798f55d10d7af
SIRT1 inhibits mitochondrial hyperfusion associated mito-bulb formation to sensitize oral cancer cells for apoptosis in a mtROS-dependent signalling pat	Patra S., Cancer and Cell Death Laboratory, Department of Life Science, National Institute of Technology, Odisha, Ro	Life Sciences	Cell Death and Disease	2023	2041-4889	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176279297&doi=10.1038%2fs41419-023-06232-x&partnerID=40&md5=d0ff61bbade433d7bc7dc42300aa162f
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Current Density Dependence of Transport Selectivity of Metal Ions in the Electrodriven Process across the Cation Exchange Membrane	Mani A.M., Chemical Sciences Department, Homi Bhabha National Institute, Mumbai, 400094, India, Radiochemistr	Chemical Sciences	Journal of Physical Chemistry B	2023	1520-6106	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174751428&doi=10.1021%2facs.jpcb.3c05051&partnerID=40&md5=844a30b276bab491dd9ace25af37f671
Benchmarking exercise of indigenous Monte Carlo neutron transport code PATMOC for hexagonal full core reactor geometry	Mallick A.K., Reactor Physics Design Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha Nation	Physical Sciences	Nuclear and Particle Physics Proceedings	2023	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168322845&doi=10.1016%2fj.nuclphysbps.2023.07.016&partnerID=40&md5=22c81dc8c4271a26d72c223c3e435fdb
Long-range and local structure evolution of Y1.8Eu0.2Ge2 O7 under static high pressures	Kaiwart R., High Pressure and Synchrotron Radiation Physics Division, Bhabha Atomic Research Centre, Mumbai, 40	Chemical Sciences; Physi	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179420805&doi=10.1103%2fPhysRevB.108.174108&partnerID=40&md5=6d714770a6434f982fc4a183ae29a0bc
Chloroplast genome sequence of Nothapodytes nimmoniana (Icacinaceae), a vulnerable reservoir of camptothecin from Western Ghats	Darshetkar A.M., Department of Botany, Savitribai Phule Pune University, Pune, 411007, India; Godbole R.C., Depar	Life Sciences	Gene	2023	0378-1119	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166777077&doi=10.1016%2fj.gene.2023.147674&partnerID=40&md5=eb98b1a80b9428b55ca020447cbb5d67
Exploring effects of strain on newly synthesised two-dimensional polyaramid for hydrogen storage using DFT	Nair H.T., Department of Physics, The Maharaja Sayajirao University of Baroda, Gujarat, 390002, India, Materials Sci	Physical Sciences	Surfaces and Interfaces	2023	2468-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173278737&doi=10.1016%2fj.surfin.2023.103444&partnerID=40&md5=be2b94072e757eca17cf75e1690a4b93
Radiation processing of papad – A sustainable method to improve safety and shelf life	Bhoir S.A., Food Technology Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400 085, India; Kanatt S.I	Life Sciences	Applied Radiation and Isotopes	2023	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170276083&doi=10.1016%2fj.apradiso.2023.111017&partnerID=40&md5=84dc9f715a3320493fef9c3cc7a5436e
Evaluation of integral parameters of BAPL and AERE benchmarks using v-TRAC code and ENDF/B VIII.0 library	Singh A., Reactor Physics Design Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Pal U., Reactor F	Engineering Sciences; Ph	Nuclear and Particle Physics Proceedings	2023	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168507737&doi=10.1016%2fj.nuclphysbps.2023.07.023&partnerID=40&md5=024e13bb95cddf90629d2021ddcef4d5
Emerging interfacial magnetization in isovalent manganite heterostructures driven by octahedral coupling	Kumar Y., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, UGC-DAE Consortiu	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180153718&doi=10.1103%2fPhysRevB.108.174410&partnerID=40&md5=46f6e1de70abe9caf7a0da3e8e0c020e
Tungsten-based polymer composite, a new lead-free material for efficient shielding of coupled neutron-gamma radiation fields: A FLUKA simulation stu	Das A., Research Reactor Services Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha	Physical Sciences	Physica Scripta	2023	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175294322&doi=10.1088%2f1402-4896%2facfa3e&partnerID=40&md5=934d957f93098cdc179723b571249963
Development of a new Monte-Carlo neutron transport code for radiation shielding	Das A., Research Reactor Services Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha	Physical Sciences	Nuclear and Particle Physics Proceedings	2023	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171391130&doi=10.1016%2fj.nuclphysbps.2023.09.001&partnerID=40&md5=a0a729aee819da9fc24cc437cbf0eece
Influence of vacancy defects on 2D BeN4 monolayer for NH3 adsorption: a density functional theory investigation	Lakshmy S., International and Inter University Centre for Nanoscience and Nanotechnology, Mahatma Gandhi Unive	Physical Sciences	Nanotechnology	2023	0957-4484	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168408737&doi=10.1088%2f1361-6528%2facea28&partnerID=40&md5=fe694bf1a3e5fa7da741b12ec94dfd91
Incidence of needlestick injury among healthcare workers in western India	Naidu R.T., Department of Pathology, Bhabha Atomic Research Centre Hospital, Maharashtra, Mumbai, India; Toal I	Medical and Health Scien	Indian Journal of Medical Research	2023	0971-5916	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183331161&doi=10.4103%2fijmr.ijmr_892_23&partnerID=40&md5=f4347c805be27bfa8db7e2dfcf74cbce
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Probing site-selective doping and charge compensating defects in KMgF3: insights from a hybrid DFT study	Modak P., RSD, Atomic Energy Regulatory Board, Mumbai, 400, India, Homi Bhabha National Institute, Mumbai, 400	Chemical Sciences	Physical Chemistry Chemical Physics	2023	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176102161&doi=10.1039%2fd3cp03966h&partnerID=40&md5=33d628c8112bddf943d22fab9558a3a2
Design, synthesis and evaluation of 177Lu-labeled inverso and retro-inverso A9 peptide variants targeting HER2-overexpression	Kumar Sharma A., Radiopharmaceuticals Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha N	Chemical Sciences; Life S	Bioorganic Chemistry	2023	0045-2068	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167775499&doi=10.1016%2fj.bioorg.2023.106761&partnerID=40&md5=4a733e713675a7d09887488e7307d0fa
Magnetoimpedance effect in NiFeP thin films deposited on Cu microwire through electrodeposition	Tandon P., Natural Sciences, Indian Institute of Information Technology, Design and Manufacturing, Jabalpur, 48200	Engineering Sciences	Materials Chemistry and Physics	2023	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168011774&doi=10.1016%2fj.matchemphys.2023.128304&partnerID=40&md5=77656abeee43c52ba85cf24ae6f9c871
High pressure studies of MgCu2O3 compound	Chandra S., UGC-DAE Consortium for Scientific Research Kalpakkam Node via Kokilamedu Gate, Kalpakkam, Tamil N	Physical Sciences	Journal of Solid State Chemistry	2023	0022-4596	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166918525&doi=10.1016%2fj.jssc.2023.124249&partnerID=40&md5=f68b98bf3994f31d05c5204529d3419f
Understanding the charge transfer dynamics of the Cu2WS4-CNT-FeOOH ternary composite for photo-electrochemical studies	Dagar P., Institute of Nano Science and Technology, Sector-81, Knowledge City, SAS Nagar, Punjab-140306, India; G	Chemical Sciences	Physical Chemistry Chemical Physics	2023	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176805304&doi=10.1039%2fd3cp03498d&partnerID=40&md5=60c98d74226312ab3c92bb8da5d3f609
Experimental strategy for acid-free plutonium recovery from assorted matrices: Non-aqueous leaching followed by selective solid phase extraction	Kumar S.S., Radiochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400 085, India, Homi Bha	Chemical Sciences	Korean Journal of Chemical Engineering	2023	0256-1115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160851722&doi=10.1007%2fs11814-023-1482-3&partnerID=40&md5=fca1caf304deb682e7e4a01091c26433
Defect induced tunable light emitting diodes of compositionally modulated zinc gallium germanium oxides	Gupta S.K., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nation	Chemical Sciences	Chemical Engineering Journal	2023	1385-8947	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168816469&doi=10.1016%2fj.cej.2023.145595&partnerID=40&md5=64d9e47b40fb21ffe7551496f6e71e29
A liposomal radionanoformulation for targeted drug delivery and real time monitoring by radionuclide imaging for HER2 overexpressing cancers	Suman S.K., Radiopharmaceuticals Division, Bhabha Atomic Research Centre (BARC), Mumbai, India, Homi Bhabha N	Life Sciences	Drug Development Research	2023	0272-4391	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168155370&doi=10.1002%2fddr.22106&partnerID=40&md5=b532ce987fbdc9ccc3207a95911c7bb2
A high-density, 129-channel time-to-digital converter in FPGA for trigger-less data acquisition systems	Hari Prasad K., Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institute, Mumbai,	Physical Sciences	Nuclear Instruments and Methods in Physic	2023	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172893326&doi=10.1016%2fj.nima.2023.168657&partnerID=40&md5=97df32a918893b1084c3a3b23e5c817d
Enhancement of Hole Extraction in Carbon-Based Organic–Inorganic Hybrid Perovskite Solar Cells Using MAPbI3:NiO-NPs Composite	Daniel R.I., Department of Physics, SSN Research Centre, Sri Sivasubramaniya Nadar College of Engineering, Tamil N	Physical Sciences	Journal of Electronic Materials	2023	0361-5235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168856282&doi=10.1007%2fs11664-023-10674-6&partnerID=40&md5=fb044ddbd784e1cec1bfd6a1e3aa6236

Capture of Volatile Iodine Gas and Identification of Adsorption Sites in the Pore Network of Unsubstituted Imidazole Linker-Incorporated Zeolitic Imidaz	Nelliyil R.B., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha Natio	Chemical Sciences	ACS Applied Materials and Interfaces	2023	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175270669&doi=10.1021%2facsami.3c11858&partnerID=40&md5=b1aa23995f6e484b0462ff77be52d6fc
Tailoring Acid Free-Paper based Analytical Devices (Af-PADs) via radiation assisted modification of cellulose paper	Rawat S., Radiation Technology Development Division, Bhabha Atomic Research Centre, Mumbai, Trombay, 400085	Chemical Sciences	Carbohydrate Polymers	2023	0144-8617	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163193549&doi=10.1016%2fj.carbpol.2023.121116&partnerID=40&md5=8b5c16ad7d1cbda9640c6e69cd8c377e
SiNPLs/CoPc hybrid heterostructures based photodetector with low dark current and enhanced sensitivity	Kumar A., Department of Physics, Chaman Lal Mahavidhyalaya, Haridwar, 247664, India; Karadan P., Surface Engine	Physical Sciences	Materials Science in Semiconductor Process	2023	1369-8001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160838509&doi=10.1016%2fj.mssp.2023.107602&partnerID=40&md5=35c2326a3233adc182582b0dc6cc6738
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Transit time estimation of drying springs in Uttarakhand region using environmental tritium concentration	Chatterjee S., Isotope Hydology Section, Isotope and Radiation Application Division, Bhabha Atomic Research Centr	Chemical Sciences	Journal of Environmental Radioactivity	2023	0265-931X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164220306&doi=10.1016%2fj.jenvrad.2023.107227&partnerID=40&md5=94478ce26dcdbf59d205f10182e9fec1
Field- and polarization-dependent quantum spin dynamics in the honeycomb magnet Na2Co2TeO6: Magnetic excitations and continuum	Pilch P., Department of Physics, TU Dortmund University, Dortmund, 44227, Germany; Peedu L., National Institute (	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175015273&doi=10.1103%2fPhysRevB.108.L140406&partnerID=40&md5=6c4f8c14b0024895beb56b58075194b4
High temperature CO2 capture in lithium orthosilicate packed fluidized bed: Gamma ray densitometry based numerical model and its experimental valid	Dabhade P.A., Alkali Material & Metal Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Mandal D.	Engineering Sciences	Journal of the Taiwan Institute of Chemical E	2023	1876-1070	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169779148&doi=10.1016%2fj.jtice.2023.105106&partnerID=40&md5=4e19d9022c0f6a15f2e73c37d44306d2
Endorsing Na+ storage mechanism in low tortuosity, high plateau capacity hard carbon towards development of high-performance sodium-ion pouch ce	Bhawana K., Department of Energy Science and Engineering, Indian Institute of Technology, Bombay, Mumbai, 400(	Chemical Sciences	Carbon	2023	0008-6223	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165905852&doi=10.1016%2fj.carbon.2023.118319&partnerID=40&md5=521cac792882be6f49691b7ad472efeb
Temperature dependent polaronic contribution on conduction mechanism in ceria-based devices	Paul M., Saha Institute of Nuclear Physics, 1/AF Bidhannagar, Kolkata, 700064, India, Homi Baba National Institute,	Physical Sciences	Physica B: Condensed Matter	2023	0921-4526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165006960&doi=10.1016%2fj.physb.2023.415098&partnerID=40&md5=5d3b1c21739247ef63d31ee534fb852a
Coal waste-derived synthesis of yellow oxidized graphene quantum dots with highly specific superoxide dismutase activity: characterization, kinetics, an	Das T., Department of Chemistry, National Institute of Technology Patna, Bihar, 800005, India; Das S., Department (	Engineering Sciences	Nanoscale	2023	2040-3364	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175805288&doi=10.1039%2fd3nr04259f&partnerID=40&md5=6c49bb63389657b9fd14008ba3d0c6c4
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Development of a Simple Electroless Method for Depositing Metallic Pt-Pd Nanoparticles over Wire Gauge Support for Removal of Hydrogen in a Nuclea	Sanap K.K., Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded, 431606, India, Chemistry Div	Chemical Sciences	Materials	2023	1996-1944	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174011827&doi=10.3390%2fma16196541&partnerID=40&md5=a7799d9ad4dcf7dc2455eed2caefd579
Sensitivity of β4 values extracted from quasi elastic barrier distribution to the 2n transfer channel	Mohanto G., Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai, Trombay, 400085, India; Parihari A	Physical Sciences	European Physical Journal A	2023	1434-6001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174439323&doi=10.1140%2fepja%2fs10050-023-01143-z&partnerID=40&md5=ea7e41271dc8f4741a92f772d9913dc8
Collective enhancement of nuclear level density and its fade-out in Dy 161	Santhosh T., Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Natio	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175469765&doi=10.1103%2fPhysRevC.108.044317&partnerID=40&md5=7f0c2755be32893bd1f80b22d872d5cf
Ternary flexible ZnO (NWs)/PPy-silver composites film for ppb-level ammonia detection	Benhouhou S., Laboratoire de chimie macromoléculaire, Ecole Militaire Polytechnique, BP 17 Bordj El Bahri, Alger, 1	Physical Sciences	Journal of Materials Science: Materials in Ele	2023	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175014567&doi=10.1007%2fs10854-023-11417-3&partnerID=40&md5=f7f76a2cedc5ded758d37f9d8e1fb69a
Activation cross section for the (n,2n) and (n,p) reactions on 103Rh, 48Ti and 52Cr from reaction threshold up to 25 MeV energy region	Singh R.K., Department of Physics, Faculty of Science, The M. S. University of Baroda, Vadodara, 390002, India; Sing	Physical Sciences	Applied Radiation and Isotopes	2023	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167573478&doi=10.1016%2fj.apradiso.2023.110949&partnerID=40&md5=f56e37d29ec550636dce59b0411f7f3f
Evaluation of a Phosphinate Functionalized Ionic Liquid for the Separation of Nb and Ta from Nitric Acid Feed Conditions	Goyal P., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Sengupta A., Radiocher	Chemical Sciences	ACS Omega	2023	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175034911&doi=10.1021%2facsomega.3c05487&partnerID=40&md5=b7db9aecccb7efb4007c9d5ecfa3d23f
Radiolabelled folate micellar carriers as proposed diagnostic aid for CNS tumors by nasal route	Upadhaya P., Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Maharash	Chemical Sciences	Drug Delivery and Translational Research	2023	2190-393X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153040986&doi=10.1007%2fs13346-023-01341-8&partnerID=40&md5=986fa904d7552352583089c4519e2e98
Instrumental neutron activation analysis by utilizing pneumatic carrier facility at Dhruva reactor for estimation of minor and trace elements in antidiabe	George R.S., Institute of Nuclear Science and Technology, Amity University, Noida, 201313, India; Datta A., Institute	Chemical Sciences	Journal of Radioanalytical and Nuclear Chem	2023	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170260139&doi=10.1007%2fs10967-023-09131-9&partnerID=40&md5=3509f75b7cd8a8fd7b38940c537b8a59
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Pilot-scale aerobic granular sludge reactors with granular activated carbon for effective nitrogen and phosphorus removal from domestic wastewater	Nancharaiah Y.V., Biofouling and Biofilm Processes Section, WSCD, Bhabha Atomic Research Centre, Tamil Nadu, Ka	Life Sciences	Science of the Total Environment	2023	0048-9697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163172388&doi=10.1016%2fj.scitotenv.2023.164822&partnerID=40&md5=ae7ec410d932a744fd69671fe31359be
The role of anagostic interactions in the Pd–Superoxo formation in aerobic Pd catalysed C–C coupling reaction: What do DFT computations reveal?	Rasu A., Theoretical and Computational Chemistry Laboratory, School of Chemistry, Bharathidasan University, Tiruc	Chemical Sciences	Computational and Theoretical Chemistry	2023	2210-271X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168537348&doi=10.1016%2fj.comptc.2023.114284&partnerID=40&md5=ccd9f942cd4a8873df93955ef55bb99a
Exploratory analysis of 64CuCl2 PET-CT imaging in carcinoma prostate and its comparison with 68Ga-PSMA-11 and 18F-FDG PET-CT	Nazar A.K., Radiation Medicine Centre, Bhabha Atomic Research Centre, Tata Memorial Centre Annexe, India, Homi	Chemical Sciences; Engin	Nuclear Medicine Communications	2023	0143-3636	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171202979&doi=10.1097%2fMNM.0000000000001744&partnerID=40&md5=9b45134bfb0c2e4f0f8ba8c730c78a12
Oxygen vacancy induced luminescence in Y2Zr2O7 and its removal on Eu3+ doping leading to enhanced quantum efficiency	Parayil R.T., Radiochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bha	Chemical Sciences; Physi	Materials Today Chemistry	2023	2468-5194	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173573595&doi=10.1016%2fj.mtchem.2023.101744&partnerID=40&md5=691b8c3dad3bc4f281f92450b5456232
Polyethyleneimine-assisted formation of Ag-SiO2 hybrid microspheres for H2O2 sensing and SERS applications	Mehta S., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Natio	Chemical Sciences; Physi	RSC Advances	2023	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175031819&doi=10.1039%2fd3ra04095j&partnerID=40&md5=3c77b12caf533324128e772f66bc3b9b
Synthesis of amine functionalized SiO2 microspheres loaded polymeric hydrogel and its application for simultaneous eviction of divalent metal ions (Pb2	Singh S., Analytical Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Koley S.,	Chemical Sciences	Materials Today Chemistry	2023	2468-5194	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171338818&doi=10.1016%2fj.mtchem.2023.101720&partnerID=40&md5=c70e6d61a71fec789459faf2a7d235d2
Dual Single-Atomic Co-Mn Sites in Metal-Organic-Framework-Derived N-Doped Nanoporous Carbon for Electrochemical Oxygen Reduction	Dey G., Department of Sciences & Humanities, Rajiv Gandhi Institute of Petroleum Technology (RGIPT), Jais, Uttar P	Physical Sciences	ACS Nano	2023	1936-0851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173579055&doi=10.1021%2facsnano.3c05379&partnerID=40&md5=b35c5a325575e2be8b7e119a9cd1f077
Structural and characterization assessment of clay ceramic water filter materials from locations near the Thar Desert in India	Duhan S., Department of Mechanical Engineering, Indian Institute of Technology, Rajasthan, Jodhpur, India; Gupta S	Physical Sciences	Desalination and Water Treatment	2023	1944-3994	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182847450&doi=10.5004%2fdwt.2023.29879&partnerID=40&md5=3c79503f89db7a5db0b4668c8c0e7bab
Dehydration induced selective ion trapping by topology constrained atomically thin graphene-crown membranes	Sahu P., Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institute, Mumbai, 40094,	Chemical Sciences	Molecular Systems Design and Engineering	2023	2058-9689	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175263930&doi=10.1039%2fd3me00118k&partnerID=40&md5=7305aad85fa12f4ee64d043cac2c280a
Achieving perfect white light, color tunability and X-ray scintillation in nanocrystalline La2Hf2O7:Eu3+,Bi3+ by photon energy and doping engineering	Gupta S.K., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nation	Chemical Sciences	Materials Today Chemistry	2023	2468-5194	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169057402&doi=10.1016%2fj.mtchem.2023.101705&partnerID=40&md5=2c20c2402786408aa8cfd53371934392
Tunable upconversion in ZnAl2−xGaxO4:Er,Yb phosphors by modulating the Al/Ga ratio and application in optical thermometry	Parayil R.T., Homi Bhabha National Institute, Anushaktinagar, Mumbai, 400094, India, Radiochemistry Division, Bha	Chemical Sciences	New Journal of Chemistry	2023	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175464264&doi=10.1039%2fd3nj03690a&partnerID=40&md5=d92b5fcbd38d652824156a088a25896c
Linear and Nonlinear Stability Analysis of Molten Salt Natural Circulation Loop	Srivastava A.K., Homi Bhabha National Institute, Mumbai, 400094, India; Saikrishna N., Advanced Heavy Water Reac	Engineering Sciences; Life	Journal of Nuclear Engineering and Radiatio	2023	2332-8983	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174388643&doi=10.1115%2f1.4063040&partnerID=40&md5=ece128fac0caf28e58f2a22eaea5947a
Precise determination of quadrupole and hexadecapole deformation parameters of the sd-shell nucleus, 28Si	Gupta Y.K., Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nation	Physical Sciences	Physics Letters, Section B: Nuclear, Elementa	2023	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172469629&doi=10.1016%2fj.physletb.2023.138120&partnerID=40&md5=b3b2201373ed15ec6b7ceeecc0f927d6
Yttrium decorated fullerene C30 as potential hydrogen storage material: Perspectives from DFT simulations	Paul D., Department of Physics, Assam University, Silchar, 788011, India; Mane P., Seismology Division, Bhabha Ato	Physical Sciences	Theoretical Chemistry Accounts	2023	1432-881X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171388208&doi=10.1007%2fs00214-023-03041-5&partnerID=40&md5=5eb8e0c0defe8408e6359653bd2162f5
Granular stability, nitrogen and phosphorus removal pathways of aerobic granular sludge treating real municipal wastewater at different temperatures	Nancharaiah Y.V., Biofouling and Biofilm Processes Section, WSCD, Chemistry Group, Bhabha Atomic Research Cent	Life Sciences	Journal of Environmental Chemical Engineer	2023	2213-3437	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169005850&doi=10.1016%2fj.jece.2023.110769&partnerID=40&md5=f802379064b7f8221892a1e68facdeca
Studies on Reaction Products, Byproducts, and Intermediates in Thermal Steps of the Cu-Cl Thermochemical Cycle for Hydrogen Generation	Singh R.V., Chemistry Division, Bhabha Atomic Research Centre, Maharashtra, Mumbai, 400085, India, Homi Bhabh	Chemical Sciences; Physi	Energy and Fuels	2023	0887-0624	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174260285&doi=10.1021%2facs.energyfuels.3c02035&partnerID=40&md5=745c9918ef80be80f6be9b4583472308
Off axis integrated cavity output spectroscopy of deuterated water isotopologues in 7178–7196 cm−1 spectral region	Gupta A., Atomic and Molecular Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Udupa D	Physical Sciences	Spectrochimica Acta - Part A: Molecular and	2023	1386-1425	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159681149&doi=10.1016%2fj.saa.2023.122772&partnerID=40&md5=ac584bc563e3699843105e68cdb3ba4a
True coincidence summing correction for a BEGe detector in close geometry measurements	Gupta A., Saha Institute of Nuclear Physics, 1/AF, Bidhan Nagar, Kolkata, 700064, India, Homi Bhabha National Insti	Physical Sciences	Applied Radiation and Isotopes	2023	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166923174&doi=10.1016%2fj.apradiso.2023.110966&partnerID=40&md5=82af8f37c0e8b96002271e8a0fead44f
Ultra-bright and thermally stable deep red emitting doped yttrium zirconate nanoparticles for tunable white LEDs and indoor plant growth	Parayil R.T., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Natior	Chemical Sciences	Materials Advances	2023	2633-5409	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175235807&doi=10.1039%2fd3ma00442b&partnerID=40&md5=8230e5b5f537b3f35bd2cde49aeed24d
Topology driven and soft phonon mode enabled Na-ion diffusion in quaternary chalcogenides, Na3ZnGaX4 (X = S, and Se)	Kumar S., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Natio	Physical Sciences	Journal of Materials Chemistry A	2023	2050-7488	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175045798&doi=10.1039%2fd3ta04479c&partnerID=40&md5=d17630b018f442ffeb0e61c2f7300d3f
Design and development of half impulse radiating antenna based ultra wide band system	Singh S.K., Homi Bhabha National Institute, Mumbai, 400094, India, Accelerator & Pulse Power Division, Bhabha Atc	Engineering Sciences; Ph	Frequenz	2023	0016-1136	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166251540&doi=10.1515%2ffreq-2022-0286&partnerID=40&md5=ea04e475fa1d44456fa76c77bfcf3cf5
Effective gene silencing using type I–E CRISPR system in the multiploid, radiation-resistant bacterium Deinococcus radiodurans	Misra C.S., Applied Genomics Section, Bio-Science Group, Bhabha Atomic Research Centre, Maharashtra, Mumbai, I	Life Sciences	Microbiology Spectrum	2023	2165-0497	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175539247&doi=10.1128%2fspectrum.05204-22&partnerID=40&md5=a16bb47713897ae5c6a0d65e369d5e9b
Design, synthesis and development of a dual inhibitor of Topoisomerase 1 and poly (ADP-ribose) polymerase 1 for efficient killing of cancer cells	Guha Majumdar A., Bio-Organic Division, India, Homi Bhabha National Institute, Maharashtra, Mumbai, 400094, Inc	Life Sciences	European Journal of Medicinal Chemistry	2023	0223-5234	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163891384&doi=10.1016%2fj.ejmech.2023.115598&partnerID=40&md5=39e6ac0b09bd6ddf11f5d707256c7e80
Experimental investigation of jet pump performance used for high flow amplification in nuclear applications	Kotak V., Research Reactor Design & Projects Division, Bhabha Atomic Research Centre (BARC), Mumbai, India, Hon	Engineering Sciences	Nuclear Engineering and Technology	2023	1738-5733	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165089097&doi=10.1016%2fj.net.2023.06.017&partnerID=40&md5=b116930f3ce6c4eb5c786893442fc192
Eu3+ as a spectroscopic probe to understand local site-luminescence correlation in novel Y2TiO5:Eu3+ phosphor	Jafar M., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institu	Chemical Sciences	Journal of Molecular Structure	2023	0022-2860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160624495&doi=10.1016%2fj.molstruc.2023.135795&partnerID=40&md5=f3cf9f8041a4678e361ecff3a8cb0486
Diffusion of radioisotopes in Fe-montmorillonite relevant to geological disposal of HLW	Chikkamath S., Department of Chemistry, Rani Channamma University, Karnataka, Belagavi, 591156, India, P C Jabir	Chemical Sciences	Physics and Chemistry of the Earth	2023	1474-7065	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161637824&doi=10.1016%2fj.pce.2023.103429&partnerID=40&md5=6e8f5f028c5a839a54ed435fed0aff57
Remarkably enhanced upconversion luminescence in Na+ codoped spinel nanoparticles for photothermal cancer therapy and SPECT imaging	Balhara A., Homi Bhabha National Institute, Anushaktinagar, Mumbai, 400094, India, Radiochemistry Division, Bhab	Chemical Sciences; Life S	Materials Advances	2023	2633-5409	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175481153&doi=10.1039%2fd3ma00376k&partnerID=40&md5=877d9ea5e25a3243eff84e445ee16d0f
Characterization of indigenous OSL phosphors LiCaAlF6:Eu,Y and α-Al2O3:C for space dosimetry	Singh A.K., Radiological Physics and Advisory Division, India; Rawat N.S., Radiological Physics and Advisory Division,	Physical Sciences	Radiation Physics and Chemistry	2023	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160781719&doi=10.1016%2fj.radphyschem.2023.111041&partnerID=40&md5=8703eaf7cb9c2f767cd8f85358fbeb80
Synthesis of Galactoacrylamide and Study of Stimuli-Responsive Fluorescent Hierarchical Self-Assembly-Promoted Specific Interactions with Proteins	Ajish J.K., Radiation and Photochemistry Division, India; Ajish Kumar K.S., Bio-Organic Division, Bhabha Atomic Rese	Chemical Sciences	ChemistrySelect	2023	2365-6549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173934194&doi=10.1002%2fslct.202301497&partnerID=40&md5=4686a1a0099df4080eae02a661fa1ffb
Characterization of instrumental PSF in neutron imaging experiments using logarithmic power spectral plot method	Kashyap Y., Neutron and Synchrotron Radiation Physics Section, Technical Physics Division, Bhabha Atomic Researcl	Physical Sciences	NDT and E International	2023	0963-8695	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166330162&doi=10.1016%2fj.ndteint.2023.102922&partnerID=40&md5=5420bdaf53fe41bfceed086a1e588a31
Microstructural changes and enhanced biodiesel compatibility of radiation-processed Nitrile Butadiene Rubber in mixed fuel environments	Kyaw S.S., Department of Atomic Energy, Nay Pyi Taw, Myanmar; Chaudhari C.V., Radiation Technology Developme	Chemical Sciences	Journal of Polymer Research	2023	1022-9760	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173613062&doi=10.1007%2fs10965-023-03773-9&partnerID=40&md5=42524fd4948f325ceba002d9f05bca8c
Techno-economic and 4E comparisons of various thermodynamic power cycles for low-medium grade heat recovery	Srivastava M., Department of Mechanical Engineering, Indian Institute of Technology (B.H.U.), UP, Varanasi, 221005	Engineering Sciences	Process Safety and Environmental Protectio	2023	0957-5820	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172442623&doi=10.1016%2fj.psep.2023.08.041&partnerID=40&md5=f95921a174e29139734371c8e01559f4
Investigating the characteristics of 11 kHz excitation of EFCAP and its selective effect on breast cancer cell death	Misra V.C., Laser & Plasma Technology Division, Bhabha Atomic Research Centre, Maharashtra, Mumbai, India, Hon	Life Sciences; Physical Sci	Plasma Processes and Polymers	2023	1612-8850	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164493967&doi=10.1002%2fppap.202300081&partnerID=40&md5=17e57dc9a681510cf830bcfbe4498e11
Realizing an Optical Micro-Cavity in a CuCo2O4-W-CuCo2O4 Thin Film Stack for Spectrally Selective Solar Absorbers	Silpa S., School of Physics, Indian Institute of Science Education and Research, Thiruvananthapuram, 695551, India;	Physical Sciences	Advanced Optical Materials	2023	2195-1071	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165565345&doi=10.1002%2fadom.202300567&partnerID=40&md5=34cef69227e29b5b51a5d82f8ee33dcb
Picosecond laser-induced hybrid groove structures on Ti-6Al-4V bio-alloy to accelerate osseointegration	Kedia S., Laser & Plasma Technology Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha Natior	Life Sciences; Physical Sci	Journal of Biomedical Materials Research - F	2023	1552-4973	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161367703&doi=10.1002%2fjbm.b.35284&partnerID=40&md5=df3a39d02695a4af25c4ca87d0bbf465
Inter-species competition of surface bacterial flora of pomegranate and their role in spoilage	Pant I., Food Technology Division, Bhabha Atomic Research Centre, Mumbai, Trombay, India; Shashidhar R., Food T	Life Sciences	World Journal of Microbiology and Biotechn	2023	0959-3993	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165793391&doi=10.1007%2fs11274-023-03709-x&partnerID=40&md5=97c3d911c48c08ae5cd85da7595bf459
Effect of Postdeposition Heat Treatment on the Nanoplasmonic Behavior of Glancing Angle-Deposited Silver Nanostructures	De R., Photonics and Nanotechnology Section, Atomic and Molecular Physics Division, Bhabha Atomic Research Cen	Physical Sciences	Physica Status Solidi (A) Applications and Ma	2023	1862-6300	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169891622&doi=10.1002%2fpssa.202300427&partnerID=40&md5=1afdca9b3cfd75da51e353536ee7bc73
C24 Fullerene and its derivatives as a viable glucose sensor: DFT and TD-DFT studies	Tukadiya N.A., Department of Physics, The M. S. University of Baroda, Gujarat, Vadodara, 390002, India; Jana S.K., D	Physical Sciences	Surfaces and Interfaces	2023	2468-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166934955&doi=10.1016%2fj.surfin.2023.103220&partnerID=40&md5=a0db9d750c03381f84f0f05435edcf3f
Conformational effects in the vibrational and electronic spectra of propionaldehyde: Experimental and theoretical studies	Sharma N., Atomic & Molecular Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India	Physical Sciences	Journal of Chemical Physics	2023	0021-9606	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174800203&doi=10.1063%2f5.0169630&partnerID=40&md5=07636b89eafd2527db0ba69eda0c012a
Probabilistic Assessment of Groundwater Quality and Fluoride Exposure Risk for North-Eastern Rajasthan, India	Dauji S., Nuclear Recycle Board, Bhabha Atomic Research Centre, Mumbai, 400094, India, Homi Bhabha National In	Chemical Sciences	Journal of Hazardous, Toxic, and Radioactive	2023	2153-5493	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166927998&doi=10.1061%2fJHTRBP.HZENG-1254&partnerID=40&md5=761c938bbd9514eca6775e577870fa4c
Deciphering structural changes in LiNixMnyCozO2 cathodes of Li ion batteries during cycling: Experimental and theoretical investigations	Abharana N., Atomic & Molecular Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi	Chemical Sciences; Physi	Solid State Ionics	2023	0167-2738	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160433771&doi=10.1016%2fj.ssi.2023.116270&partnerID=40&md5=721c715f9e9b0b6db065305d02e3ab37
Design and Synthesis of BODIPY-Hetero[5]helicenes as Heavy-Atom-Free Triplet Photosensitizers for Photodynamic Therapy of Cancer	Koli M., Bio-Organic Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Instit	Chemical Sciences; Life S	Chemistry - A European Journal	2023	0947-6539	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174215526&doi=10.1002%2fchem.202301605&partnerID=40&md5=c152e0915b8f279fadb766aed3e5a0c4
Selective removal of uranium from aqueous streams using synergistic adsorbents	Das A., Materials Processing and Corrosion Engineering Division, Bhabha Atomic Research Centre, Trombay, Mumba	Chemical Sciences	Inorganic Chemistry Communications	2023	1387-7003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171687724&doi=10.1016%2fj.inoche.2023.111284&partnerID=40&md5=8ad00f4709de89523bc6178f943879e0
Defect-engineered MnO2 nanoparticles by low-energy ion beam irradiation for enhanced electrochemical energy storage applications	Maharana B., School of Basic Sciences, Indian Institute of Technology Bhubaneswar, Odisha, Jatani, 752050, India; R	Physical Sciences	Electrochimica Acta	2023	0013-4686	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166644990&doi=10.1016%2fj.electacta.2023.142868&partnerID=40&md5=ce4aea9f5f7c80c2368ffae096eae045
CellUSorb: A high-performance, radiation functionalized cellulose based adsorbent for Uranium (VI) remediation in ground water	Misra N., Radiation Technology Development Division, Bhabha Atomic Research Centre, Mumbai, Trombay, 400085	Chemical Sciences	Separation and Purification Technology	2023	1383-5866	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163114054&doi=10.1016%2fj.seppur.2023.124215&partnerID=40&md5=acd9fa4bfc62752769864711de9b448f
Ta interfaced CoFeB: Role of CoFeB thickness and thermal annealing in modification of structural and magnetic properties	Vardhan H., Amity Center for Spintronic Materials, Amity University UP, Sector-125, Noida, 201313, India, Amity Ins	Physical Sciences	Surfaces and Interfaces	2023	2468-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166520697&doi=10.1016%2fj.surfin.2023.103156&partnerID=40&md5=432604cde06757463c92ea8099550396
Transcriptional Regulation of Small Heat Shock Protein 17 (sHSP-17) by Triticum aestivum HSFA2h Transcription Factor Confers Tolerance in Arabidopsis	Kumar R.R., Division of Biochemistry, Indian Agricultural Research Institute, New Delhi, 110012, India; Dubey K., Div	Life Sciences	Plants	2023	2223-7747	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175428325&doi=10.3390%2fplants12203598&partnerID=40&md5=0feba47408e59eb94c9c6e8857dd3c7e
Effect of picosecond-laser induced microstructuring of Ti6Al4V bio-alloy on its tribological and corrosion properties	Kedia S., Laser and Plasma Technology Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Nilaya J.P	Physical Sciences	Applied Physics A: Materials Science and Pro	2023	0947-8396	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171337942&doi=10.1007%2fs00339-023-06994-3&partnerID=40&md5=320706e2f8489b01c58464f9527448c1
Evaluation of Pendrin Expression Using Nuclear Imaging Modalities and Immunohistochemistry in Animal Thyroid Cancer Model	Gholve C.S., Radiation Medicine Centre, Bhabha Atomic Research Centre, Maharashtra, Mumbai, India; Shete Y., Ra	Life Sciences	Indian Journal of Nuclear Medicine	2023	0972-3919	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182668147&doi=10.4103%2fijnm.ijnm_46_23&partnerID=40&md5=6be3e63433fc27d23b2c0d18e1e3a728
Controlled synthesis of photoresponsive bismuthinite (Bi2S3) nanostructures mediated through a new 1D bismuth-pyrimidylthiolate coordination polym	Kulkarni A.Y., Department of Chemistry, K. J. Somaiya College of Science and Commerce, Vidyavihar, Mumbai, 4000	Chemical Sciences	Dalton Transactions	2023	1477-9226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175441872&doi=10.1039%2fd3dt02143b&partnerID=40&md5=559315de873cf58ce355364152ea2147
Transverse single-spin asymmetry of charged hadrons at forward and backward rapidity in polarized p+p, p+Al, and p+Au collisions at sNN =200 GeV	Abdulameer N.J., Czech Technical University, Zikova 4, Prague 6, 166 36, Czech Republic; Acharya U., Florida State U	Physical Sciences	Physical Review D	2023	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181028178&doi=10.1103%2fPhysRevD.108.072016&partnerID=40&md5=d0f09b1b4ae37aba480f340690a3ddc5
Post-radiation treatment of 3,3′-diselenodipropionic acid augments cell kill by modulating DNA repair and cell migration pathways in A549 cells	Gandhi V.V., Homi Bhabha National Institute, Maharashtra, Mumbai, India, Radiation and Photochemistry Division,	Chemical Sciences; Life S	IUBMB Life	2023	1521-6543	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152916371&doi=10.1002%2fiub.2727&partnerID=40&md5=864ffa916f462bf546f0fa53a5884efe
Effects of microstructure on radiolytic degradation of nuclear grade cationic resins: Gel versus macro-porous	Mal D., Water and Steam Chemistry Division, Bhabha Atomic Research Centre Facilities, India; Puspalata R., Water a	Chemical Sciences; Physi	Radiation Physics and Chemistry	2023	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160743340&doi=10.1016%2fj.radphyschem.2023.111081&partnerID=40&md5=6b82aefa6d8279a80f07b5cd105b5b61
Application of Machine Learning in Predicting Hepatic Metastasis or Primary Site in Gastroenteropancreatic Neuroendocrine Tumors	Padwal M.K., Molecular Biology Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Na	Life Sciences; Medical an	Current Oncology	2023	1718-7729	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175253029&doi=10.3390%2fcurroncol30100668&partnerID=40&md5=7afc6db2fb55f9c8a339e4f3b8d1378c
Luminescent Y2Zr2O7 for Ultrasensitive Detection of Volatile Organic Compounds Driven by Oxygen Vacancies	Parayil R.T., Homi Bhabha National Institute, Anushaktinagar, Mumbai, 400094, India, Radiochemistry Division, Bha	Chemical Sciences	ACS Applied Electronic Materials	2023	2637-6113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173186455&doi=10.1021%2facsaelm.3c00870&partnerID=40&md5=4a2344c67266a2cd254f11365327da3f
Enhancing the Ultrafast Third-Order Nonlinear Optical Response by Charge Transfer in VSe2-Reduced Graphene Oxide Hybrid	Kumar V., Department of Physics, Indian Institute of Science Education and Research, Bhopal, 462066, India; Afreen	Physical Sciences	Journal of Physical Chemistry C	2023	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172934613&doi=10.1021%2facs.jpcc.3c03693&partnerID=40&md5=da4a781045a0f27a49dd17dab346d1fd
Search for medium effects using jets from bottom quarks in PbPb collisions at sNN=5.02TeV	Tumasyan A., Yerevan Physics Institute, Yerevan, Armenia; Adam W., Institut für Hochenergiephysik, Vienna, Austri	Physical Sciences	Physics Letters, Section B: Nuclear, Element	2023	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167972224&doi=10.1016%2fj.physletb.2023.137849&partnerID=40&md5=bac9bb4aa238fee08957dac92d12a386
Sequestration of Actinides by an Extraction Chromatography Resin Containing a Triaza-9-crown-3 Functionalized Diglycolamide	Banerjee P., Nuclear Recycle Board, INRPO, BARC, Maharashtra, Tarapur, 401 502, India, Homi Bhabha National Inst	Chemical Sciences	Industrial and Engineering Chemistry Resear	2023	0888-5885	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169926751&doi=10.1021%2facs.iecr.3c01908&partnerID=40&md5=bcdf2571264dd327e4c7bc47a6754ae8
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Salt induced micellization conduct in PEO-PPO-PEO-based block copolymers: a thermo-responsive approach	Tripathi N., Department of Chemistry, Sardar Vallabhbhai National Institute of Technology (SVNIT), Ichchhanath, Gu	Physical Sciences	Soft Matter	2023	1744-683X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172712932&doi=10.1039%2fd3sm00896g&partnerID=40&md5=352855a5f9a106d4e104efe932dbc970
Methods and applications of 3-D SN neutron transport code ATES3	Gupta A., Reactor Physics Design Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha N	Physical Sciences	Life Cycle Reliability and Safety Engineering	2023	2520-1352	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168937270&doi=10.1007%2fs41872-023-00229-3&partnerID=40&md5=0b124336e938b6c8ee91173bb093cf8f
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Fracture complexions of a nanocrystalline microstructure	Das A., Materials Group, Bhabha Atomic Research Centre (Department of Atomic Energy), Trombay, Maharashtra, N	Chemical Sciences	Applied Physics A: Materials Science and Pro	2023	0947-8396	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169681504&doi=10.1007%2fs00339-023-06913-6&partnerID=40&md5=47547ab926118e73b6a8d8f57671b8f0
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Degradation assessment of corroded RC frames using in-structure response spectra from shake table tests and numerical simulation	Nagender T., Bhabha Atomic Research Centre, Mumbai, 400085, India; Parulekar Y.M., Bhabha Atomic Research Ce	Engineering Sciences	Bulletin of Earthquake Engineering	2023	1570-761X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167802291&doi=10.1007%2fs10518-023-01754-3&partnerID=40&md5=b06656b3165f29925c1aeae000ee832e
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The Power of Kinetic Inertness in Improving Platinum Anticancer Therapy by Circumventing Resistance and Ameliorating Nephrotoxicity	Panda T.R., Laboratory of Medicinal Chemistry and Cell Biology, Department of Chemical Sciences, Tata Institute of	Life Sciences; Physical Sci	Angewandte Chemie - International Edition	2023	1433-7851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164461243&doi=10.1002%2fanie.202303958&partnerID=40&md5=b782c7eee86cca6d3653d8392078a8d9
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Improved recovery of cellulose nanoparticles from printed wastepaper and its reinforcement in guar gum films	Palanichamy P., Food Process Engineering Laboratory, Department of Chemical Engineering, A. C. Tech Campus, Ani	Life Sciences	Biomass Conversion and Biorefinery	2023	2190-6815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125676630&doi=10.1007%2fs13399-022-02516-y&partnerID=40&md5=74f38739e20772e7d50bae99c2144145
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Analysis of PbBi eutectic after matrix separation by acid induced dispersive liquid-liquid microextraction followed by HR-CS-ETAAS determination	Madhavi K., National Centre for Compositional Characterization of Materials, Bhabha Atomic Research Centre, ECIL	Chemical Sciences	Journal of Analytical Atomic Spectrometry	2023	0267-9477	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174265233&doi=10.1039%2fd3ja00036b&partnerID=40&md5=833dea32c3f0b408c9480bc0f25d1187
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Understanding Successful Transfers of Rapid-Composting Technology Using Qualitative Content Analysis for Interpretation	Ponangi T.H., Homi Bhabha National Institute, Anushaktinagar, Maharashtra, Mumbai, 400 094, India; Mukherjee	Engineering Sciences	Journal of Scientific and Industrial Research	2023	0022-4456	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174147916&doi=10.56042%2fjsir.v82i9.1358&partnerID=40&md5=3b66c1008a7cce9f488d24575b1711bb
Evolution of Local Structure and Pore Architecture during Zeolitic Imidazolate Framework-L to Zeolitic Imidazolate Framework-8 Phase Transformation	Mor J., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Utpalla P., Radiochemist	Chemical Sciences; Physi	Chemistry of Materials	2023	0897-4756	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169322486&doi=10.1021%2facs.chemmater.3c00292&partnerID=40&md5=86a6fbe6c8ef989bc7a8c05c4abb88a5
First principles studies on yttrium decorated BeN4 monolayer for reversible hydrogen storage	Sanyal G., Mechanical Metallurgy Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Nair	Physical Sciences	Journal of Energy Storage	2023	2352-152X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163565516&doi=10.1016%2fj.est.2023.107892&partnerID=40&md5=540e493fac6030b72ceab4b5993b29ef
Threshold Photoionization and Density Functional Theory Investigations of Small Lanthanum Monoxide Clusters, LanO (n = 2-10)	Bhattacharyya S., Atomic & Molecular Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, H	Physical Sciences	Journal of Physical Chemistry A	2023	1089-5639	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171309267&doi=10.1021%2facs.jpca.3c03575&partnerID=40&md5=21fc3f7673c7bebab0e56fd22b5e565f
Probing the IC/CMB interpretation for the X-ray knots of AGNs through VHE observations	Rahman A.A., Department of Physics, Farook College, Calicut University, Kerala, 673632, India; Sahayanathan S., Ast	Physical Sciences	Monthly Notices of the Royal Astronomical S	2023	0035-8711	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169430471&doi=10.1093%2fmnras%2fstad2016&partnerID=40&md5=1c441bc22f7420ba8bbd6aeb0e3aeb07
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T9GPred: A Comprehensive Computational Tool for the Prediction of Type 9 Secretion System, Gliding Motility, and the Associated Secreted Proteins	Sahoo A.K., The Institute of Mathematical Sciences (IMSc), Chennai, 600113, India, Homi Bhabha National Institute	Life Sciences	ACS Omega	2023	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173155529&doi=10.1021%2facsomega.3c05155&partnerID=40&md5=24fc03136fbfcca0c3be96e7282baf41
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All-solid-state flexible supercapacitor based on a binary transition metal dichalcogenide grown on 2D/2D heterostructure materials	Patra A., Centre for Nano and Material Sciences, Jain (Deemed-to-be University), Jain Global Campus, Kanakapura R	Physical Sciences	Journal of Energy Storage	2023	2352-152X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160755841&doi=10.1016%2fj.est.2023.107825&partnerID=40&md5=83bc0faf43c3a269b9bafa38e93e31c3
Search for new heavy resonances decaying to WW, WZ, ZZ, WH, or ZH boson pairs in the all-jets final state in proton-proton collisions at s=13TeV	Tumasyan A., Yerevan Physics Institute, Yerevan, Armenia; Adam W., Institut für Hochenergiephysik, Vienna, Austri	Physical Sciences	Physics Letters, Section B: Nuclear, Element	2023	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167995430&doi=10.1016%2fj.physletb.2023.137813&partnerID=40&md5=adcc95f3c187b81e77679d953973c024
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Evidence for four-top quark production in proton-proton collisions at s=13TeV	Tumasyan A., Yerevan Physics Institute, Yerevan, Armenia; Adam W., Institut für Hochenergiephysik, Vienna, Austri	Physical Sciences	Physics Letters, Section B: Nuclear, Element	2023	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165684059&doi=10.1016%2fj.physletb.2023.138076&partnerID=40&md5=29d843425223235ca9ede2f240aacd18
Synthesis and 177Lu Labeling of the First Retro Analog of the HER2-Targeting A9 Peptide: A Superior Variant	Sharma A.K., Radiopharmaceuticals Division, Bhabha Atomic Research Centre, Maharashtra, Mumbai, 400085, India	Chemical Sciences; Life S	Bioconjugate Chemistry	2023	1043-1802	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164734029&doi=10.1021%2facs.bioconjchem.3c00265&partnerID=40&md5=72095f0d658dc9a387accc2daccc3bb8
18F-FDG PET/CT Versus 68Ga-PSMA-11 PET/CT in Evaluation of Distant Metastatic Disease in Recurrent Renal Cell Carcinoma	Parghane R.V., Radiation Medicine Centre (BARC), Tata Memorial Hospital Annexe, Homi Bhabha National Institute,	Medical and Health Scien	Journal of Nuclear Medicine Technology	2023	0091-4916	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169848935&doi=10.2967%2fjnmt.122.264014&partnerID=40&md5=fc086566c09ee234647115260a5ed4a6
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Inference of grain boundary sliding and co-rotation of α/β phases during superplastic deformation of Zr-2.5%Nb at 700 °C through EBSD measurements	Reddy G.B., Mechanical Metallurgy Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Div	Engineering Sciences; Ph	Scripta Materialia	2023	1359-6462	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159190547&doi=10.1016%2fj.scriptamat.2023.115567&partnerID=40&md5=3564a57136c39f33505ac1fafc4468e7
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Experimental and theoretical insights into colossal supercapacitive performance of graphene quantum dots incorporated Ni3S2/CoS2/MoS2 electrode	Sangabathula O., Creative & Advanced Research Based On Nanomaterials (CARBON) Laboratory, Department of Che	Physical Sciences	Journal of Energy Storage	2023	2352-152X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152429616&doi=10.1016%2fj.est.2023.107274&partnerID=40&md5=721cfff8d62322e0eb41c907037e3987
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Utilizing Energy Transfer in Mn2+/Ho3+/Yb3+ Tri-doped ZnAl2O4 Nanophosphors for Tunable Luminescence and Highly Sensitive Visual Cryogenic Therr	Balhara A., Homi Bhabha National Institute, Mumbai, 400094, India, Radiochemistry Division, Bhabha Atomic Resea	Chemical Sciences	ACS Omega	2023	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168493119&doi=10.1021%2facsomega.3c03629&partnerID=40&md5=63afded6ef9d0babc83a32a54cdfe6d7
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Ample Lewis Acidic Sites in Mg2B2O5 Facilitate N2 Electroreduction through Bonding-Antibonding Interactions	Biswas A., Institute of Nano Science and Technology, Mohali, Sector-81, Punjab, Mohali, 140306, India; Ghosh B., In	Chemical Sciences	Inorganic Chemistry	2023	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168803473&doi=10.1021%2facs.inorgchem.3c02389&partnerID=40&md5=3814e5197827937e8cb6f256618dadae
Gas barrier properties of polyurethane nanocomposites	Pandey S., Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Kanpur, India; Maiti P., S	Physical Sciences	Journal of Applied Polymer Science	2023	0021-8995	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163117013&doi=10.1002%2fapp.54256&partnerID=40&md5=c3078dfe775ef49c21dfa245d463b6a7
Band-Gap Energy and Electronic d-d Transitions of NiWO4 Studied under High-Pressure Conditions	Errandonea D., Departamento de Física Aplicada-ICMUV, MALTA Consolider Team, Universidad de Valencia, Edificio	Physical Sciences	Journal of Physical Chemistry C	2023	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167835736&doi=10.1021%2facs.jpcc.3c03512&partnerID=40&md5=babf3bdb154a16c2786894bfd1db893d
DGA-functionalized super-magnetic acid-stable sorbent for treatment of acidic rich nuclear effluent	Khan P.N., Process Development Division, Maharashtra, Mumbai, India, Homi Bhabha National Institute, Maharasht	Chemical Sciences; Engin	New Journal of Chemistry	2023	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168839631&doi=10.1039%2fd3nj02992a&partnerID=40&md5=f2f81edab31f8953967a606f25967933
Cesium ion removal from low-level radioactive wastewater utilizing synthesized cobalt hexacyanoferrate-sand composite	Singh K.K., Radiation & Photochemistry Division, Mumbai, India, Homi Bhabha National Institute, Mumbai, 400094,	Chemical Sciences	Radiochimica Acta	2023	0033-8230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163994869&doi=10.1515%2fract-2022-0085&partnerID=40&md5=1715a813f36b9f29f35b31da6561f464
Site-specific characterisation of hydrogeological parameters for low-level solid radioactive waste disposal facility at Tarapur, India	Goel S., Health Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha National In	Chemical Sciences; Physi	Journal of Earth System Science	2023	2347-4327	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163052644&doi=10.1007%2fs12040-023-02106-0&partnerID=40&md5=2f038d32723fe6919a8519f98903a8c4
On the role of shape and distribution of secondary voids in the mechanism of coalescence	Dwivedi A.K., Homi Bhabha National Institute, Mumbai, 400094, India; Khan I.A., Homi Bhabha National Institute, M	Engineering Sciences	Engineering Fracture Mechanics	2023	0013-7944	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162898129&doi=10.1016%2fj.engfracmech.2023.109399&partnerID=40&md5=bd9735a5dfc0cd7c3f021fd4fcbc56e6
Search for a heavy composite Majorana neutrino in events with dilepton signatures from proton-proton collisions at s=13 TeV	Tumasyan A., Yerevan Physics Institute, Yerevan, Armenia; Adam W., Institut für Hochenergiephysik, Vienna, Austri	Physical Sciences	Physics Letters, Section B: Nuclear, Element	2023	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165710255&doi=10.1016%2fj.physletb.2023.137803&partnerID=40&md5=3f00340d9c57847610e0567e17366748
Fate of 1,3-dioxolane in the troposphere: kinetics, mechanism with theoretical support, and atmospheric implications	Virmani A., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India	Chemical Sciences	Journal of Atmospheric Chemistry	2023	0167-7764	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152440599&doi=10.1007%2fs10874-023-09446-7&partnerID=40&md5=a6789d9151687dba4a8c2be8f81bd301
Harnessing salt stress to drive the efficient and inexpensive bioproduction of a valuable thermotolerant biocatalyst (Mn-catalase) from cyanobacterial b	Chakravarty D., Molecular Biology Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Tew	Life Sciences	Bioresource Technology Reports	2023	2589-014X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164698794&doi=10.1016%2fj.biteb.2023.101535&partnerID=40&md5=5e0518caa993361bd1241ce4e2a3b3ad
Facile in-situ grown spinel MnCo2O4/MWCNT and MnCo2O4/Ti3C2 MXene composites for high-performance asymmetric supercapacitor with theoretic	Pathak M., Centre for Nano and Material Sciences, Jain (Deemed-to-be University), Jain Global Campus, Kanakapura	Physical Sciences	Journal of Energy Storage	2023	2352-152X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153686315&doi=10.1016%2fj.est.2023.107475&partnerID=40&md5=b5aa79207012c3ace469b5d50427be00
Stress relaxation and thermal management in highly filled flexible styrene butadiene styrene copolymer-tungsten composites for high-energy radiation	Suman S.K., Health Physics Division, Bhabha Atomic Research Centre, Mumbai, India; Sharma R., Radiological Physic	Chemical Sciences; Medi	Polymer Composites	2023	0272-8397	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164487900&doi=10.1002%2fpc.27529&partnerID=40&md5=25af05ae009904b45f7e9fe99faadd28
Influence of substrate-induced strain on exchange bias effect in YSMO/LSMO heterostructures	Waman P.T., Technical Physics Division, Bhabha Atomic Research Centre, Mumbai, Trombay, 400 085, India; Bhatt H	Physical Sciences	Bulletin of Materials Science	2023	0250-4707	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161086094&doi=10.1007%2fs12034-023-02951-1&partnerID=40&md5=96f50a340de060f31a9597a9efa95bd1
Enhancement of Multiferroic and Optical Properties in BiFeO3 Due to Different Exchange Interactions Between Transition and Rare Earth Ions	Kumari S., Department of Physics, Indian Institute of Technology (Banaras Hindu University), UP, Varanasi, 221005,	Physical Sciences	Physica Status Solidi (B) Basic Research	2023	0370-1972	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162946770&doi=10.1002%2fpssb.202300026&partnerID=40&md5=db4011afbe4f56553f785ebfde668e1a
Multiple Carbon Morphologies Derived from Polyion Complex-Based Double Hydrophilic Block Copolymers as Templates and Phenol as a Carbon Precur	Sivanantham M., Research and Development Cell, Department of Physics, PRIST Deemed to be University, Vallam, T	Physical Sciences	Langmuir	2023	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167473958&doi=10.1021%2facs.langmuir.2c03364&partnerID=40&md5=f9d0a04d2d3304916a279bcbda99104c
Novel thorium borides and their hardness and superconductivity under pressure: Ab initio calculations	Sahoo B.D., Applied Physics Division, Bhabha Atomic Research Centre, Mumbai, India; Joshi K.D., Applied Physics Di	Physical Sciences	Journal of Applied Physics	2023	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168315540&doi=10.1063%2f5.0165402&partnerID=40&md5=1f03b6f1e5098b053f745eccb9a53d48
Superior hydrogen storage capacity of Vanadium decorated biphenylene (Bi+V): A DFT study	Mane P., Seismology Division, Bhabha Atomic Research Centre, Mumbai, Trombay, 400085, India; Kaur S.P., Depart	Physical Sciences	International Journal of Hydrogen Energy	2023	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152961112&doi=10.1016%2fj.ijhydene.2023.04.033&partnerID=40&md5=af33f6366bf56b5a2e3b84f501e8d687
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Dosimetric characterization of LiCaAlF6:Eu,Y for its application in mix thermal n-γ fields	Singh A.K., Radiological Physics and Advisory Division, India; Dhabekar B., Radiological Physics and Advisory Division	Physical Sciences	Radiation Physics and Chemistry	2023	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159259427&doi=10.1016%2fj.radphyschem.2023.111015&partnerID=40&md5=1439c1efd24c2a522ac4a2461cc3d437
Relation of ηpl and γpl with separation parameter (S) and their usefulness for fracture toughness evaluation	Bind A.K., Mechanical Metallurgy Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Hom	Engineering Sciences	Engineering Fracture Mechanics	2023	0013-7944	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165125282&doi=10.1016%2fj.engfracmech.2023.109487&partnerID=40&md5=ffd3b1810b9e172db1ad0d19ddd63d28
14CO2 ACTIVITY IN AIR SAMPLES AND DILUTION FACTOR EVALUATION OF KAKRAPAR GUJARAT SITE, INDIA	Chandrakar A., Environmental Survey Laboratory (ESS, EMAD, BARC), Kakrapar Gujarat Site, P.O. Anumala, Surat Dis	Engineering Sciences	Radiocarbon	2023	0033-8222	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169420099&doi=10.1017%2fRDC.2023.68&partnerID=40&md5=cd2a36e148c629c15cd48f4040788647
Electrochemical performance of K+ -intercalated MnO2 nano-cauliflowers and their Na-ion-based pseudocapacitors	Chowdhury A., Department of Physics, Indian Institute of Technology Kharagpur, West Bengal, Kharagpur, 721302,	Chemical Sciences	Materials Science and Engineering: B	2023	0921-5107	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159757677&doi=10.1016%2fj.mseb.2023.116581&partnerID=40&md5=e90f49d537ace48e3c525dd8ce3858af
Phase Engineering of Molybdenum Dichalcogenide to Anion-Tunable Polyphasic Quaternary Chalcogenide (2H/1T/1T′) MoSxSeyTez (x + y + z = 2) Amplif	Sarkar A., Department of Chemistry, Jadavpur University, Kolkata, 700032, India; Sanyal G., Mechanical Metallurgy	Physical Sciences	ACS Applied Energy Materials	2023	2574-0962	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167924475&doi=10.1021%2facsaem.3c01080&partnerID=40&md5=377f3a501bb5d7f7cdc68586bbad5cc3
Absence of magnetostriction and transition from rapid positive thermal expansion to negative thermal expansion at high temperatures in Sm0.5Y0.5Fe0	Raut S., Department of Physics and Astronomy, NIT Rourkela, Sundargarh-769008, Odisha, Rourkela, India; Mohant	Physical Sciences	Journal of Magnetism and Magnetic Materia	2023	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162164640&doi=10.1016%2fj.jmmm.2023.170905&partnerID=40&md5=932d7297b1206654ea433ff220810cc4
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Thermoluminescence investigations and kinetic analysis of highly sensitive LiCaAlF6: Eu,Y phosphor for dosimetric applications	Rawat N.S., Radiological Physics & Advisory Division, Bhabha Atomic Research Center, Mumbai, 400085, India, Hom	Physical Sciences	Journal of Luminescence	2023	0022-2313	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159127551&doi=10.1016%2fj.jlumin.2023.119845&partnerID=40&md5=cceb536c9ab551ae4135f2f4ad86d44b
A Multifunctional tannic acid-Fe3+-graphene oxide loaded alginate photothermal network: an interfacial water evaporator, a disinfector and a power ge	Amarnath M., Analytical Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Ba	Chemical Sciences; Life S	Materials Advances	2023	2633-5409	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172272706&doi=10.1039%2fd3ma00408b&partnerID=40&md5=5c8107c76f5b7068ef41a6a90a7bac55
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The N-terminal FleQ domain of the Vibrio cholerae flagellar master regulator FlrA plays pivotal structural roles in stabilizing its active state	Chakraborty S., Department of Biotechnology, St Xavier's College, Kolkata, India; Agarwal S., Department of Biotech	Physical Sciences	FEBS Letters	2023	0014-5793	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164566902&doi=10.1002%2f1873-3468.14693&partnerID=40&md5=a70cadce4a223aa021ac33270fceb2fc
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Citric acid-derived nanoporous molybdenum carbide electrocatalyst for HER: Effect of porosity on HER performance	Aich S., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institut	Chemical Sciences; Physi	Journal of Materials Research	2023	0884-2914	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166627606&doi=10.1557%2fs43578-023-01104-8&partnerID=40&md5=8616a4647396a95fe61aabe5fba5f5e9
Design and development of Fabry–Perot etalon based color filter using ebeam GLAD technique: Simulation and experiment	Haque S.M., Photonics and Nanotechnology Section, Atomic and Molecular Physics Division, Bhabha Atomic Resear	Physical Sciences	Optics Communications	2023	0030-4018	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158904175&doi=10.1016%2fj.optcom.2023.129551&partnerID=40&md5=257bc16a75fea8a2059657bb84d8235c
Orientation Filtering of Fluorescence by Plasmon-Coupled Waveguide	Dutta Choudhury S., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India	Chemical Sciences	Journal of Physical Chemistry C	2023	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166639157&doi=10.1021%2facs.jpcc.3c03475&partnerID=40&md5=2fecd799fb1d44169725904b01ac247b
Oxidation studies of SiC-coated 2.5D carbon fibre preforms	Tammana S.R.C.M., School of Metallurgy and Materials, University of Birmingham, United Kingdom, Materials Grou	Engineering Sciences	Open Ceramics	2023	2666-5395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161608955&doi=10.1016%2fj.oceram.2023.100385&partnerID=40&md5=bab77d3bad36193b6315f7fcbd6aec54
Spatio-temporal species kinetics, thermal and electrical field evolution in an argon EFCAP under different rates of nitrogen seeding: A one-dimensional s	Chaturvedi Misra V., Laser & Plasma Technology Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 4000	Physical Sciences	Vacuum	2023	0042-207X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164215722&doi=10.1016%2fj.vacuum.2023.112371&partnerID=40&md5=221e64d12877bdd0b781f3477cb738b8
Deinococcus lineage and Rad52 family-related protein DR0041 is involved in DNA protection and compaction	Ujaoney A.K., Molecular Biology Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Anaganti N., Mo	Life Sciences	International Journal of Biological Macromo	2023	0141-8130	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166008450&doi=10.1016%2fj.ijbiomac.2023.125885&partnerID=40&md5=7dd865181d9f0b6c3efb1d7dcc5ecb69
Unexplored Isomerization Pathways of Azobis(benzo-15-crown-5): Computational Studies on a Butterfly Crown Ether	Sisodiya D.S., Department of Chemistry, Birla Institute of Technology and Science (BITS), Pilani, K.K. Birla Goa Campi	Chemical Sciences	Journal of Physical Chemistry A	2023	1089-5639	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167798595&doi=10.1021%2facs.jpca.3c02363&partnerID=40&md5=5160709cf67997ad9574aca298ce1c0d
Investigating the Influence of Aromatic Counterions on the Micellar Structure and Aggregation Behavior of Morpholinium-Based Surface-Active Ionic Liq	Viradiya R.A., Department of Chemical Sciences, P. D. Patel Institute of Applied Sciences, Charusat University, Gujar	Physical Sciences	Langmuir	2023	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168428217&doi=10.1021%2facs.langmuir.3c01257&partnerID=40&md5=0e28a396777a9f6de74870e3f455b65d
A highly sensitive hemicyanine-based near-infrared fluorescence sensor for detecting toxic amyloid aggregates in human serum	Warerkar O.D., SVKM's Shri C. B. Patel Research Centre, Vile Parle, Maharashtra, Mumbai, 400056, India; Mudliar N	Chemical Sciences	International Journal of Biological Macromo	2023	0141-8130	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164740936&doi=10.1016%2fj.ijbiomac.2023.125621&partnerID=40&md5=112cdb6bbd843f4442d6fa693aba075c
Production of Bauxite Certified Reference Material (BARC-B1201) for Nine Property Values (Al2O3, Fe2O3, SiO2, TiO2, V2O5, MnO, Cr2O3, MgO and LOI	Prasad A.D., National Centre for Compositional Characterisation of Materials, Bhabha Atomic Research Centre, ECIL	Chemical Sciences	Geostandards and Geoanalytical Research	2023	1639-4488	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152907266&doi=10.1111%2fggr.12483&partnerID=40&md5=38f4d969b895c38c1ab81b35b1334cc5
Accessing copper selenide nanostructures through a 1D coordination polymer of copper(ii) with 4,4′-dipyridyldiselenide as a molecular precursor	Pal M.K., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Karmakar G., Chemistry Divi	Chemical Sciences	New Journal of Chemistry	2023	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170266792&doi=10.1039%2fd3nj02062b&partnerID=40&md5=b1fee441e34c0ac3037e4396fc1644a8
First-principles property assessment of hybrid formate perovskites	Popoola A., Department of Physics, University of South Florida, Tampa, 33620, FL, United States; Ghosh P.S., Glass a	Physical Sciences	Journal of Chemical Physics	2023	0021-9606	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168286504&doi=10.1063%2f5.0159526&partnerID=40&md5=fd530706292fa8c71ed6b0191cf14ef5
Transition metal-N2P2 embedded graphene (TM-NPC) as single-atom catalyst for oxygen reduction reaction: a computational study	Kancharlapalli S., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Institu	Chemical Sciences	Theoretical Chemistry Accounts	2023	1432-881X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167425840&doi=10.1007%2fs00214-023-03015-7&partnerID=40&md5=5445fe1e1e963575895080372d1be3ac
Oxidation behaviour of uranium and U–10wt.%Mo alloy in air	Rakesh R., Metallic Fuels Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National	Engineering Sciences	Journal of Radioanalytical and Nuclear Chem	2023	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160782856&doi=10.1007%2fs10967-023-08974-6&partnerID=40&md5=0eca565aa52fcf75b79c4299680744bc
Gamma radiation processing for extending shelf-life and ensuring quality of minimally processed ready-to-eat onions	Khade H.D., Food Technology Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bh	Life Sciences	Journal of Food Science and Technology	2023	0022-1155	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158126845&doi=10.1007%2fs13197-023-05754-8&partnerID=40&md5=c23d9a0d11265fe652671c2ab9cada82
A SNP-based linkage mapping revealed a mutant-origin major quantitative trait locus for seed size in A05 chromosome of groundnut (Arachis hypogaea	Bhad P.G., Homi Bhabha National Institute, Training School Complex. Anushaktinagar, Mumbai, 400094, India, Nucl	Life Sciences	Euphytica	2023	0014-2336	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165378348&doi=10.1007%2fs10681-023-03212-2&partnerID=40&md5=1fc73e7f97921622e0d387816b8681fd
Studying the structural organization of non-membranous protein hemoglobin in a lipid environment after reconstitution	Kumari A., Amity Institute of Biotechnology, Amity University Haryana, 122413, India; Saha D., Solid State Physics D	Physical Sciences	International Journal of Biological Macromo	2023	0141-8130	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161679805&doi=10.1016%2fj.ijbiomac.2023.125212&partnerID=40&md5=a974b5afbb85431fa439482594708d13

Retention of Am(III) by montmorillonite: effect of sulphate	Kar A.S., Radioanalytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha	Chemical Sciences	Journal of Radioanalytical and Nuclear Chem	2023	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163717476&doi=10.1007%2fs10967-023-09014-z&partnerID=40&md5=2f2c49a689cc7459191d052ae9072fdc
Assessment of radon, thoron, and their progeny concentrations in the dwellings of Shivalik hills of Jammu and Kashmir, India	Kaur M., Department of Physics, DAV College, Katra Sher Singh, Punjab, Amritsar, 143001, India, Department of Phy	Physical Sciences	Environmental Geochemistry and Health	2023	0269-4042	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095582839&doi=10.1007%2fs10653-020-00767-0&partnerID=40&md5=a74e32e02c14388f6a4010df7603b4e3
Radiation response of Y3Al5O12 and Nd3+-Y3Al5O12 to Swift heavy ions: insight into structural damage and defect dynamics	Bhandari K., Radiometallurgy Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Natio	Chemical Sciences	Physical Chemistry Chemical Physics	2023	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166195272&doi=10.1039%2fd3cp02734a&partnerID=40&md5=c6eeb046d1263d663b8c0ec962b62a84
Neutron spectrometry and dosimetry using a multi-shell Single Sphere Neutron Spectrometer with thermo-luminescent and optically stimulated lumine	Paul S., Health Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Tripathy S.P., Health Phys	Physical Sciences	Nuclear Instruments and Methods in Physics	2023	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161321097&doi=10.1016%2fj.nima.2023.168395&partnerID=40&md5=e46a8ca815d2cbdd0759bae7c93b8149
POP-Pincer Xantphos Pd Complex of 4-Pyridylthiolate: Cyclocarbonylative Reaction for the Synthesis of Flavones Using Cobalt Carbonyl as a C1 Source	Lokolkar M.S., Department of Chemistry, Institute of Chemical Technology, Nathalal Parekh Marg, Matunga, Mumb	Chemical Sciences	Catalysis Letters	2023	1011-372X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138527792&doi=10.1007%2fs10562-022-04161-6&partnerID=40&md5=4b2bb882a45e98efea31838217d4f632
Radon build-up in a prototype dwelling using uranium mill tailings as construction material	Rana D., Health Physics Unit, Bhabha Atomic Research Centre, Jharkhand, Jaduguda, 832102, India, Health Physics D	Chemical Sciences; Physi	Journal of Radioanalytical and Nuclear Chem	2023	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162669802&doi=10.1007%2fs10967-023-09001-4&partnerID=40&md5=ed7c01eebac68d7fd1a95a02e3a2fd54
Polyaniline/rGO/S composite cathode with GO modified separator for lithium sulfur battery: A multipronged approach to tackle the shuttle effect	Rao K.S., Chemistry Division, Bhabha Atomic Research Center, Mumbai, 400085, India, Homi Bhabha National Institu	Chemical Sciences	Materials Today Communications	2023	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165529860&doi=10.1016%2fj.mtcomm.2023.106708&partnerID=40&md5=7f50f3f5b573a624722e38e0094dd1d5
Auto-CREAM: Software application for evaluation of HEP with basic and extended CREAM for PSA studies	Garg V., Reactor Safety Division, Bhabha Atomic Research Centre, Mumbai, India; Vinod G., Reactor Safety Division,	Engineering Sciences	Reliability Engineering and System Safety	2023	0951-8320	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153403202&doi=10.1016%2fj.ress.2023.109318&partnerID=40&md5=735562bd58fb47df756e3b344cc8beb9
Effect of strontium loading on the structural and thermodynamic properties of Ca10-xSrx(PO4)6F2(x= 2, 4, 6, 8) solid solutions for radioactive waste imm	Das P., Product Development Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, HomiBha	Chemical Sciences	Journal of Solid State Chemistry	2023	0022-4596	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159404931&doi=10.1016%2fj.jssc.2023.124101&partnerID=40&md5=16f3763b7d6e670bd207359a6e109ce0
Physicochemical Characterization, Stability, and In Vitro Evaluation of Curcumin-Loaded Solid Lipid Nanoparticles Prepared Using Biocompatible Synthet	Patra S., Department of Chemistry, Indian Institute of Technology Kharagpur, Kharagpur, 721302, India; Dey J., Dep	Life Sciences	ACS Applied Bio Materials	2023	2576-6422	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164916705&doi=10.1021%2facsabm.3c00252&partnerID=40&md5=d304726653c8cffe7b0ba40837e6f256
Validation of MCkeff code using ICSBEP results	Shet S., Manipal Centre for Natural Sciences, Manipal academy of Higher Education, Manipal, 576104, India; Subbai	Physical Sciences	Nuclear and Particle Physics Proceedings	2023	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167814875&doi=10.1016%2fj.nuclphysbps.2023.07.008&partnerID=40&md5=97b37c418bc05733b34c8101ac137e60
Synthesis, microstructure and electrochemical properties of Ni-P-based alloy coatings for hydrogen evolution reaction in alkaline media	Gaikwad A.P., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Banerjee A.M., Chemist	Chemical Sciences	Materials Research Express	2023	2053-1591	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170826114&doi=10.1088%2f2053-1591%2facf278&partnerID=40&md5=021664dea17f30ab27fcec355cc07e0f
MSA-based seismic fragility analysis of RC structures considering soil nonlinearity effects and time histories compatible to uniform hazard spectra	Bandyopadhyay S., Homi Bhabha National Institute, Mumbai, 400094, India, Reactor Safety Division, Bhabha Atomi	Engineering Sciences	Structures	2023	2352-0124	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160017052&doi=10.1016%2fj.istruc.2023.05.076&partnerID=40&md5=ff2f052b41e9002d2d16699d6cc2b34d
Utilizing deep eutectic solvent for facile, selective and sustainable sequestration of plutonium	Patil S., Fuel Chemistry Division, Bhabha Atomic Research Centre, Mumbai 400085, Trombay, India, Homi Bhabha N	Chemical Sciences	Separation and Purification Technology	2023	1383-5866	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156222802&doi=10.1016%2fj.seppur.2023.123923&partnerID=40&md5=d11acef9e0edcd5592b3b2326b213b24
Curious Behavior of Fe3+-As3+ Chemical Interactions and Nucleation of Clusters in Aqueous Medium	Das S., School of Materials Sciences, Indian Association for the Cultivation of Science, Kolkata, 700032, India; Mishra	Physical Sciences	Inorganic Chemistry	2023	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166400231&doi=10.1021%2facs.inorgchem.3c01387&partnerID=40&md5=e482641866c93bee41c9cc6a44a5f52a
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Optimization of Ball Mill Grinding of a Limestone-Type Brecciated Uranium Ore	Serajuddin M., Mineral Processing Division, Bhabha Atomic Research Centre (BARC), AMD Complex, Begumpet, Hyd	Engineering Sciences	Transactions of the Indian Institute of Metal	2023	0972-2815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152787076&doi=10.1007%2fs12666-023-02926-0&partnerID=40&md5=5bffe87e9972be0f493a2b3511e5c760
Role of Gemini Surfactants with Variable Spacers and SiO2 Nanoparticles in ct-DNA Compaction and Applications toward In Vitro/In Vivo Gene Delivery	Halder S., Department of Chemistry, Birla Institute of Technology & Science (BITS) Pilani, Hyderabad Campus, Telan	Physical Sciences	ACS Applied Bio Materials	2023	2576-6422	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163288777&doi=10.1021%2facsabm.3c00256&partnerID=40&md5=4c5265c42dcab886d1965158c9a50390
CRISPR-Cas12a assisted specific detection of mpox virus	Singh M., Applied Genomics Section, Bhabha Atomic Research Centre, Mumbai, India; Misra C.S., Applied Genomics	Life Sciences	Journal of Medical Virology	2023	0146-6615	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165960913&doi=10.1002%2fjmv.28974&partnerID=40&md5=f36b1b9461ce354f6956691540ecc15d
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High concentration quenching, improved PLQY and high color purity of novel Gd2TiO5:Eu3+ triggered by complete solubility of dopant	Jafar M., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institu	Chemical Sciences	Optical Materials	2023	0925-3467	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163208477&doi=10.1016%2fj.optmat.2023.114059&partnerID=40&md5=985a4778d46a7eaf3196b579f2df3d97
Combined effects of dry-wet irrigation, redox changes and microbial diversity on soil nutrient bioavailability in the rice field	Majumdar A., Department of Earth Sciences, Indian Institute of Science Education and Research (IISER) Kolkata, We	Life Sciences	Soil and Tillage Research	2023	0167-1987	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159401839&doi=10.1016%2fj.still.2023.105752&partnerID=40&md5=7113bf0540b0bf235c1bca80193214ec
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Fine-Tuning of the Pore Aperture and Framework Flexibility of Mixed-Metal (Zn/Co) Zeolitic Imidazolate Framework-8: An In Situ Positron Annihilation L	Mor J., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Nelliyil R.B., Radiochemis	Chemical Sciences	Langmuir	2023	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165651479&doi=10.1021%2facs.langmuir.3c00996&partnerID=40&md5=5c004d6753513f3843be0b6e2c1f35f7
Fermionic dark matter in Dynamical Scotogenic Model	Chun E.J., Korea Institute for Advanced Study, Seoul, 02455, South Korea; Roy A., Institute of Physics, Sachivalaya M	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168687562&doi=10.1007%2fJHEP08%282023%29130&partnerID=40&md5=334a498d7ffdfde1a8fc7fc0442b3fbf
Withaferin-A alleviates acute graft versus host disease without compromising graft versus leukemia effect	Kumar Gupta S., Department of Clinical Pharmacology, ACTREC, Tata Memorial Centre, Kharghar, Maharashtra, Nav	Life Sciences; Medical an	International Immunopharmacology	2023	1567-5769	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162853098&doi=10.1016%2fj.intimp.2023.110437&partnerID=40&md5=d8d6f9d350fcde09411dfd23a9585246
Mesoporous Fe3O4 nanoparticle: A prospective nano heat generator for thermo-therapeutic cancer treatment modality	Shaw S.K., Department of Metallurgical Engineering, Indian Institute of Technology (Banaras Hindu University), Vara	Chemical Sciences	Journal of Magnetism and Magnetic Materia	2023	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159295330&doi=10.1016%2fj.jmmm.2023.170817&partnerID=40&md5=ec378de5a673fe1d91287a69df613550
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4d element induced improvement of structural disorder and development of weakly reentrant spin-glass behavior in NiRuMnSn	Gupta S., Condensed Matter Physics Division, Saha Institute of Nuclear Physics, 1/AF, Bidhannagar, Kolkata, 700064	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167946313&doi=10.1103%2fPhysRevB.108.054405&partnerID=40&md5=e6bdda4ab6883d7a1626ec6348a3bc5a
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Sorption study of long-lived 94Nb on laterite: Effects of physicochemical parameters on sorption	Ghosh M., Analytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Na	Chemical Sciences	Journal of Environmental Radioactivity	2023	0265-931X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158062824&doi=10.1016%2fj.jenvrad.2023.107201&partnerID=40&md5=991e3351bb7beab8fd661ce0538bae2c
First exploratory survey of poloidal magnetic flux emission from a dense plasma focus	Upadhyay M., Department of Physics, Banaras Hindu University, Varanasi, 221005, India, Natural Sciences and Scier	Engineering Sciences	Physics of Plasmas	2023	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166916112&doi=10.1063%2f5.0155807&partnerID=40&md5=403267d19ed010ad3bbc8d7d8f134f43
Descriptor sliding mode observer based fault tolerant control for nuclear power plant with actuator and sensor faults	Surjagade P.V., School of Built Environment, Engineering and Computing, Leeds Beckett University, Leeds, LS6 3QR,	Engineering Sciences	Progress in Nuclear Energy	2023	0149-1970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163148538&doi=10.1016%2fj.pnucene.2023.104774&partnerID=40&md5=02a1f1f51adbc436ec2a711cfc3ed723
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Structural effects of benzene-centered tripodal diglycolamides on extraction of trivalent f-cations into a room temperature ionic liquid	Ansari S.A., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Mohapatra P.K., Rad	Chemical Sciences	Journal of Molecular Liquids	2023	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154578077&doi=10.1016%2fj.molliq.2023.121861&partnerID=40&md5=907df9ada55b71785a88197e15309f32
Measurement of residues from the Li 6 +Zn reaction: Analysis of fusion phenomena below 7.1 MeV/nucleon	Singh A., Department of Physics, Indian Institute of Technology Roorkee, Uttarakhand, Roorkee, 247667, India; Mai	Chemical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170671363&doi=10.1103%2fPhysRevC.108.024607&partnerID=40&md5=0fbf256bcdf33311c65916c1ee923a97
Role of dopant local structure and defects in optical properties of SrHfO3:Ln3+ perovskite: experimental and theoretical studies	Gupta S.K., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nation	Chemical Sciences; Physi	Journal of Materials Science: Materials in Ele	2023	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169012727&doi=10.1007%2fs10854-023-11128-9&partnerID=40&md5=dee0750b559030033455ce5c87045f93
Capture of volatile I2 by dithioglycol functionalized HKUST-1 and its polymeric composite beads	Kolay S., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Sahu A.K., Glass and Advanc	Chemical Sciences; Physi	Journal of Solid State Chemistry	2023	0022-4596	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154561860&doi=10.1016%2fj.jssc.2023.124080&partnerID=40&md5=f26047355b4279946af93f063dc6b2b1
Structure and electrical properties of AM(PO3)4: A = Li, Na and M = Ce and Pr	Saha P., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Rao K.S., Chemistry Division, I	Chemical Sciences	Materials Chemistry and Physics	2023	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158907370&doi=10.1016%2fj.matchemphys.2023.127891&partnerID=40&md5=d672347b2606a22979b1a8d4861e0fc7
Application of ultrasound in heat exchanger handling supersaturated CaSO4 solution for reduction of scaling by induced precipitation and in-situ cleanin	Banakar V.V., Chemical Engineering Department, Institute of Chemical Technology, N.P. Marg, Mumbai, Matunga, 4	Engineering Sciences	Chemical Engineering Science	2023	0009-2509	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154546343&doi=10.1016%2fj.ces.2023.118814&partnerID=40&md5=9025e7bb3139f97c5342004d013a998b
High-Pressure Vibrational and Structural Studies of the Chemically Engineered Ferroelectric Phase of Sodium Niobate	Mishra S.K., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nat	Physical Sciences	Crystals	2023	2073-4352	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169009548&doi=10.3390%2fcryst13081181&partnerID=40&md5=2976c40367c64672b0f466ea54475b93
Energetic, Electronic, and Optical Behavior of Intrinsic Charge Carrier-Trapping Defects in Ge-Doped ZnGa2O4: Insights from a DFT Study	Modak B., Theoretical Chemistry Section, Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, In	Chemical Sciences	Journal of Physical Chemistry C	2023	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165900484&doi=10.1021%2facs.jpcc.3c02631&partnerID=40&md5=d3414d47368519170a9445b123a665df
Strategy to minimize induced 24Na, 56Mn activity in concrete composites used for fast neutron shielding: impact of cement and rock aggregates	Shanbhag A.A., Health Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Paul S., Health Ph	Physical Sciences	Journal of Radioanalytical and Nuclear Chem	2023	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162990106&doi=10.1007%2fs10967-023-08996-0&partnerID=40&md5=f976803f8db2e7ae8c397eae70dfcc8b
Development of an external PIGE method using nitrogen from atmospheric air as external beam current normalizer and its application to nondestructive	Raja S.W., Radiochemistry Division (BARC), Variable Energy Cyclotron Centre, 1/AF, Bidhan Nagar, Kolkata, 700064,	Chemical Sciences	Analytica Chimica Acta	2023	0003-2670	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159462723&doi=10.1016%2fj.aca.2023.341353&partnerID=40&md5=5c52abdaceaf18dae07b6d0a6c6960c8
Evaluation of hyperfine interactions in strontium titanate perovskite for low doses of electron beam radiation	Kumar A., Radiochemistry Division, BARC Trombay, Mumbai, 400085, India, Homi Bhabha National Institute, Anusha	Chemical Sciences	Journal of Radioanalytical and Nuclear Chem	2023	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160816347&doi=10.1007%2fs10967-023-08964-8&partnerID=40&md5=22ab2f4bb0379a449f21876b7ba0c947
Dynamics of spatially confined ns laser induced atmospheric air plasma and shock waves: visualization vis-à-vis validation	Guthikonda N., Advanced Centre of Research in High Energy Materials (ACRHEM), University of Hyderabad, Prof. C.	Physical Sciences	Journal of Physics D: Applied Physics	2023	0022-3727	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85157998424&doi=10.1088%2f1361-6463%2faccf25&partnerID=40&md5=b5bc8173151a4b710e22c21c36972099
High spin polarization in the disordered quaternary Heusler alloy FeMnVGa	Gupta S., Condensed Matter Physics Division, Saha Institute of Nuclear Physics, A CI of Homi Bhabha National Institu	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166738545&doi=10.1103%2fPhysRevB.108.045137&partnerID=40&md5=827fe9893e064511480db1f3ff479914
Intertwined crystal structure and electrical properties in layered battery materials A2Ni2Te O6 (A=Na/Li)	Saha B., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nation	Physical Sciences	Physical Review Materials	2023	2475-9953	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168601407&doi=10.1103%2fPhysRevMaterials.7.085001&partnerID=40&md5=9ede75456c1867fe4fbb7c803b715be9
meta-Topolin-induced regeneration and ameliorated rebaudioside-A production in genetically uniform candy-leaf plantlets (Stevia rebaudiana Bert.)	Subrahmanyeswari T., Crop Research Unit (Genetics and Plant Breeding), Bidhan Chandra Krishi Viswavidyalaya, Mo	Life Sciences	South African Journal of Botany	2023	0254-6299	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162094744&doi=10.1016%2fj.sajb.2023.05.045&partnerID=40&md5=3334a45697068c9439bd443628c6cd8f
Combating fungal phytopathogens with human salivary antimicrobial peptide histatin 5 through a multi-target mechanism	Chadha S., Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 40(	Life Sciences	World Journal of Microbiology and Biotechn	2023	0959-3993	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160897352&doi=10.1007%2fs11274-023-03667-4&partnerID=40&md5=f7dba7b16aa927b9dc992dd1eeb442e3
Temperature-driven structural phase transitions in 0.05(Na0.50Bi0.50)TiO3-0.95NaNbO3 solid solution via amplitude mode analysis	Jayakrishnan V.B., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhab	Physical Sciences	EPL	2023	0295-5075	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169302042&doi=10.1209%2f0295-5075%2facedcb&partnerID=40&md5=fd16ce3ceeb7183be764bc5a20599dee
Reply to discussion of "Probable maximum tropical cyclone parameters for east and west coast of India" by Li and Kumar (2023)	Kumar D.S., Homi Bhabha National Institute (HBNI), Mumbai, India; Behera M.R., Department of Civil Engineering, I	Engineering Sciences; Ph	Natural Hazards	2023	0921-030X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159323851&doi=10.1007%2fs11069-023-06003-z&partnerID=40&md5=2a715291feb27dc41149c5d5444adae7
Tailoring oxygen vacancies in ThO2 for improved light emission and ORR electrocatalysis	Das D., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National In	Chemical Sciences; Physi	Materials Today Chemistry	2023	2468-5194	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165058340&doi=10.1016%2fj.mtchem.2023.101635&partnerID=40&md5=dbf9d00031a5d00e777cf836e639a0ac
Comparative Studies on Mutagenic Effectiveness and Efficiency in Horsegram [Macrotyloma uniflorum (Lam) Verdc.]	Priyanka S., Centre for Plant Breeding and Genetics, Tamil Nadu Agricultural University, Tamil Nadu, Coimbatore, 64	Life Sciences	Legume Research	2023	0250-5371	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115917931&doi=10.18805%2fLR-4408&partnerID=40&md5=080448eab6eb40ba4ad4c12a468c893a
Classification of the Fermi-LAT blazar candidates of uncertain type using extreme gradient boosting	Tolamatti A., Astrophysical Sciences Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabh	Physical Sciences	Monthly Notices of the Royal Astronomical S	2023	0035-8711	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164283296&doi=10.1093%2fmnras%2fstad1826&partnerID=40&md5=81ac3d85f87d54c386234e2d627d64bf
Depth profile analysis of 100 keV Ni ions in Si 〈100〉 substrate	Alam M.A., Accelerator Physics & Synchrotrons Utilization Division, Raja Ramanna Centre for Advanced Technology,	Physical Sciences	Spectrochimica Acta - Part B Atomic Spectro	2023	0584-8547	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160743073&doi=10.1016%2fj.sab.2023.106707&partnerID=40&md5=70edd7ded6fa66b6544267b776db94c9
Thermal plasma processing of high temperature insulation wools	Dhamale G.D., Laser and Plasma Technology Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Ajit	Physical Sciences	Waste Management	2023	0956-053X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162142870&doi=10.1016%2fj.wasman.2023.06.016&partnerID=40&md5=64303230101e25359929953e6831c851
Functional inhibition of RECQL5 helicase elicits non-homologous end joining response and sensitivity of breast cancers to PARP inhibitor	Philip K.T., Bio-Organic Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha N	Life Sciences	International Journal of Biochemistry and Ce	2023	1357-2725	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164375992&doi=10.1016%2fj.biocel.2023.106443&partnerID=40&md5=6f0eb68d3393d95b58747a0df0a89f27
Luminescence and spectroscopic studies on Eu3+-doped borate and boro-phosphate glasses for solid state optical devices	Priya M., Department of Physics, Saveetha Engineering College, Chennai, 602105, India; Dhavamurthy M., Mannai R	Chemical Sciences	Optical Materials	2023	0925-3467	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163801002&doi=10.1016%2fj.optmat.2023.114007&partnerID=40&md5=1f75b4fe6dc9a3018b42de4fcfe5fea0
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Co-micellization conduct and structural dynamics of block copolymers in water and salt solution environment for drug solubilization enhancement	Patel D., Department of Chemistry, Sardar Vallabhbhai National Institute of Technology (SVNIT), Gujarat, Ichchhana	Chemical Sciences	Colloid and Polymer Science	2023	0303-402X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153523112&doi=10.1007%2fs00396-023-05109-x&partnerID=40&md5=ded2092265249cdc74e0893489ce7e72
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Influence of Molecular Separation on Through-Space Intervalence Transient Charge Transfer in Metal–Organic Frameworks with Cofacially arranged Red	Nath A., School of Chemistry, Indian Institute of Science Education and Research Thiruvananthapuram, Kerala, 6955	Chemical Sciences	Angewandte Chemie - International Edition	2023	1433-7851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163575837&doi=10.1002%2fanie.202308034&partnerID=40&md5=ed3f601155f89bcd8f42dcdd68a1cca4
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Effect of Ageing Treatment on the Stress Corrosion Cracking Susceptibility of Precipitation Hardenable 17–4 PH Stainless Stee	Bhambroo R., Tenneco Inc, Plymouth Technical Centre, 47001 Port St., Plymouth, 48170, MI, United States; Roycho	Engineering Sciences	Transactions of the Indian Institute of Metal	2023	0972-2815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151711103&doi=10.1007%2fs12666-023-02931-3&partnerID=40&md5=725c9fe927f4a3bff14a341175ea5aca
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Site preference-based luminescence studies in Eu doped calcium magnesium silicate phosphor: A combined experimental and DFT approach	Kuriyan N.S., Department of Physics, Cochin University of Science and Technology, Kerala, Cochin, 682022, India; Gl	Chemical Sciences; Physi	Journal of Luminescence	2023	0022-2313	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163810182&doi=10.1016%2fj.jlumin.2023.119901&partnerID=40&md5=3ae72746d4dd51f1c0438ce86d0fb11d
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Effect of titanium swift heavy ion irradiation on ferroelectric triglycine sulphate (TGS) 〈011〉 oriented single crystals	Sabarish V.C.B., Department of Science and Humanities, University College of Engineering Arni- Thatchur- (Anna Un	Physical Sciences	Journal of Materials Science: Materials in Ele	2023	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165375476&doi=10.1007%2fs10854-023-10920-x&partnerID=40&md5=c836ff59f57b66272b877b238cc5e391
Discrimination of Fast and Thermal Neutrons Using a Novel Phoswich Detector of LaCl3and LiI:Eu Single Crystal Scintillators	Sonu, Bhabha Atomic Research Center, Technical Physics Division, Mumbai, 400085, India, Homi Bhabha National Ir	Physical Sciences	IEEE Transactions on Nuclear Science	2023	0018-9499	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159687848&doi=10.1109%2fTNS.2023.3271460&partnerID=40&md5=ac526c901ba1594aacc5b5f5b96c7c35
Mitochondria-targeted derivative of pterostilbene, a dietary phytoestrogen, exhibits superior cancer cell cytotoxicity via mitochondrial superoxide medi	Ibrahim M.K., Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Nathalal P	Life Sciences	Advances in Redox Research	2023	2667-1379	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176202340&doi=10.1016%2fj.arres.2023.100071&partnerID=40&md5=c94b41e4878a12c55d02095556831d3e
Improvement of Electron Gun Breakdown Performance Through Surface Flashover and Discharge Studies	Goel V., Homi Bhabha National Institute, Bhabha Atomic Research Centre, Mumbai, 400085, India; Roy A., Homi Bh	Engineering Sciences; Ph	IEEE Transactions on Electron Devices	2023	0018-9383	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160220611&doi=10.1109%2fTED.2023.3273513&partnerID=40&md5=ec31a3b14dc4a874ae7fbeae7ee50ae8
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Inorganic polyphosphate accumulation protects a marine, filamentous cyanobacterium, Anabaena torulosa against uranium toxicity	Chandwadkar P., Molecular Biology Division, Bhabha Atomic Research Centre, Trombay, Mumbai, India; Acharya C.,	Life Sciences	Journal of Environmental Radioactivity	2023	0265-931X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153093490&doi=10.1016%2fj.jenvrad.2023.107185&partnerID=40&md5=fefdcdcec958573c000221a92d05a825
Integrated experimental and modeling approach for hot deformation behavior of Co–Cr–Fe–Ni–V high entropy alloy	Jain R., School of Materials Science and Engineering, Yeungnam University, 280 Daehak-ro, Gyeongbuk, 38541, Sout	Engineering Sciences	Journal of Materials Research and Technolog	2023	2238-7854	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161679374&doi=10.1016%2fj.jmrt.2023.05.257&partnerID=40&md5=8f7d98ff6c3a25c02e9f93a65d805208
Discrimination of binary mixture of toxic gases using ZnO nanowires-based E-nose	Sinju K.R., Technical Physics Division, Bhabha Atomic Research Center, Mumbai, 400 085, India, Homi Bhabha Natio	Physical Sciences	Journal of Materials Science: Materials in Ele	2023	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165347313&doi=10.1007%2fs10854-023-10956-z&partnerID=40&md5=97d61cb97d873261248197eb382bd3c9
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Measurement of neutron capture cross section on 71Ga at 2.15 and 3.19 MeV and uncertainty propagation and covariance analysis	Pachuau R., Department of Physics, Banaras Hindu University, Varanasi, 221005, India; Gandhi A., Department of Ph	Physical Sciences	Chinese Physics C	2023	1674-1137	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162127397&doi=10.1088%2f1674-1137%2facce28&partnerID=40&md5=5273b9a9297b8e989edd929fa06c4d93
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Technetium-99m labeled core shell hyaluronate nanoparticles as tumor responsive, metastatic skeletal lesion targeted combinatorial theranostics	Kaur S., Nanomedicine Laboratory, Department of Biosciences & Bioengineering, Indian Institute of Technology, Bo	Chemical Sciences	Carbohydrate Polymers	2023	0144-8617	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151546059&doi=10.1016%2fj.carbpol.2023.120840&partnerID=40&md5=aeb27f788f4863e53bcf9c7ad967069e
Hydrophobic MXene with enhanced electrical conductivity	Patra S., School of Basic Sciences, Indian Institute of Technology Bhubaneswar, Bhubaneswar, 752050, India; Kiran I	Physical Sciences	Surfaces and Interfaces	2023	2468-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160084896&doi=10.1016%2fj.surfin.2023.102969&partnerID=40&md5=d74290485e8ed02749c889a12555a50b
Molecular growth of PANH via intermolecular Coulombic decay	Barik S., Department of Physics, Indian Institute of Technology Madras, Chennai, India; Behera N.R., Department of	Chemical Sciences	Science Advances	2023	2375-2548	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165909125&doi=10.1126%2fsciadv.adi0230&partnerID=40&md5=07414e1e10cbac411407b99f842b98c6
A phase-engineered nickel sulfide and phosphide (NiS-Ni2P) heterostructure for enhanced hydrogen evolution performance supported with DFT analysis	Das J.K., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC of Hom	Chemical Sciences; Physi	Sustainable Energy and Fuels	2023	2398-4902	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166753465&doi=10.1039%2fd3se00685a&partnerID=40&md5=0664acf6c8809bfb3736b1cc9eb62ed7
Novel merocyanine-derived receptor: Synthesis, crystal structure and picric acid recognition, spectroscopic and theoretical study	Bhusanur D.I., Polymers and Functional Materials Division, CSIR-Indian Institute of Chemical Technology, Telangana	Chemical Sciences	Journal of Molecular Structure	2023	0022-2860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151399538&doi=10.1016%2fj.molstruc.2023.135382&partnerID=40&md5=7ed277c07a422d9188be1e3eb190b5c7
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Interlink between ExoD (Alr2882), exopolysaccharide synthesis and metal tolerance in Nostoc sp. strain PCC 7120: Insight into its role, paralogs and evol	Raghavan P.S., Molecular Biology Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Potn	Life Sciences	International Journal of Biological Macromo	2023	0141-8130	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162199066&doi=10.1016%2fj.ijbiomac.2023.125014&partnerID=40&md5=3e471b4a6be8734886a06932f47c7202
Lattice dynamics and pressure induced metallization of solid iodanil (C6I4O2) studied using density functional theory	Mondal S., Advanced Centre of Research in High Energy Materials (ACRHEM), University of Hyderabad, Prof. C. R. Ra	Physical Sciences	Physica Scripta	2023	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163656727&doi=10.1088%2f1402-4896%2facd9fb&partnerID=40&md5=884af54c5d28c24bbcdf4b58381a740d
Comparative Effect of Physiological Salts upon Micellization of T1304 and T1307	Rudani B.A., Department of Pharmaceutics, National Institute of Pharmaceutical Education and Research (NIPER) Ra	Physical Sciences	Langmuir	2023	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164211449&doi=10.1021%2facs.langmuir.3c00739&partnerID=40&md5=e5b64ef643430622ec1b88966ee4639e
Unraveling the paleo-marine signature in saline thermal waters of Cambay rift basin, Western India: Insights from geochemistry and multi isotopic (B, O	Chatterjee S., Isotope and Radiation Application Division, Bhabha Atomic Research Centre, Mumbai, 400085, India;	Chemical Sciences	Marine Pollution Bulletin	2023	0025-326X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158834207&doi=10.1016%2fj.marpolbul.2023.115003&partnerID=40&md5=16438c38efffbafe1d76d78587b055f7
Copper metal insertion in porphyrin core compromises the photocytotoxicity of free base porphyrin: Revelation during synthesis of natCu/[64Cu]Cu-por	Kumar N., Radiopharmaceuticals Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi	Chemical Sciences	Journal of Photochemistry and Photobiology	2023	1010-6030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152253699&doi=10.1016%2fj.jphotochem.2023.114754&partnerID=40&md5=dee8965e04f14f6e0bcc51f74dc8f1cf
Laser isotope separation of 192Ir	Suryanarayana M.V., Bhabha Atomic Research Centre, Andhra Pradesh, Visakhapatnam, India; Sankari M., Bhabha A	Physical Sciences	Applied Radiation and Isotopes	2023	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152438550&doi=10.1016%2fj.apradiso.2023.110820&partnerID=40&md5=4381735dd564c5dda71f16c4cceaf93a
Crystal structure of Synechococcus phycocyanin: implications of light-harvesting and antioxidant properties	Patel S.N., P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, CHARUSAT Cam	Life Sciences	3 Biotech	2023	2190-572X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163022443&doi=10.1007%2fs13205-023-03665-1&partnerID=40&md5=f67fbb00724ac839f3f7cfcce08dc9c1
Ultrafast Dynamics of the 9,10-Bis[(triisopropylsilyl)ethynyl]anthracene Nanoaggregate and Thin Film: Influence of the Molecular Packing and Sample M	Nandi A., Radiation and Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Manna	Chemical Sciences	Journal of Physical Chemistry C	2023	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164450659&doi=10.1021%2facs.jpcc.3c01851&partnerID=40&md5=ad379d7d51549f97678213affbaa1e37
Assaying of SNM using Simultaneous Detection of Fission Neutrons and Gammas by Employing a Novel Phoswich Detector	Sonu, Technical Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Ir	Engineering Sciences; Ph	Nuclear Engineering and Technology	2023	1738-5733	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161342786&doi=10.1016%2fj.net.2023.03.028&partnerID=40&md5=858166868446eedd3bdc15a471a690d0
Purification, characterization and proteolytic processing of mosquito larvicidal protein Cry11Aa from Bacillus thuringiensis subsp. israelensis ISPC-12	Kinkar O.U., Homi Bhabha National Institute, Anushaktinagar, Maharashtra, Mumbai, 400094, India, Beamline Deve	Life Sciences	International Journal of Biological Macromo	2023	0141-8130	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161686025&doi=10.1016%2fj.ijbiomac.2023.124979&partnerID=40&md5=63b8e3dd0ff91ebf44f63f91894977d7
Search for a massive scalar resonance decaying to a light scalar and a Higgs boson in the four b quarks final state with boosted topology	Tumasyan A., Yerevan Physics Institute, Yerevan, Armenia; Adam W., Institut für Hochenergiephysik, Vienna, Austri	Physical Sciences	Physics Letters, Section B: Nuclear, Element	2023	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162777773&doi=10.1016%2fj.physletb.2022.137392&partnerID=40&md5=250e89c066d086316702a3f67a653c9b
Generative Adversarial Network based method for generation of synthetic image parameters for TACTIC γ-ray telescope	Das M.P., Astrophysical Sciences Division, Bhabha Atomic Research Centre, Trombay, Maharashtra, Mumbai, 40008	Physical Sciences	Astronomy and Computing	2023	2213-1337	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167460129&doi=10.1016%2fj.ascom.2023.100741&partnerID=40&md5=7c54af86a25cde7280d815fddeca4f1a
Intertwined spin and phonon correlations across the magnetic compensation temperature in magnetoelectric Li0.5Fe2.5-xCrx O4	Patnaik P.S., Department of Physics, Indian Institute of Technology Kharagpur, Kharagpur, 721302, India; Kumar A.,	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166906439&doi=10.1103%2fPhysRevB.108.014438&partnerID=40&md5=270ee3d833438ba44701b320f6116777
Countrywide monitoring of absorbed dose rate in air due to outdoor natural gamma radiation in India	Mitra P., Environmental Monitoring and Assessment Division, Bhabha Atomic Research Centre, Mumbai, 400085, In	Engineering Sciences	Radiation Protection Dosimetry	2023	0144-8420	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165521538&doi=10.1093%2frpd%2fncad185&partnerID=40&md5=41ed8d085ff6d105eae8d2846e285c09
A simplified approach for determination of inflection points of flattening filter-free photon beam using in-house developed software and derivation of r	Sharma S., Radiological Safety Division, Atomic Energy Regulatory Board, Maharashtra, Anushaktinagar, 400 094, M	Medical and Health Scien	Journal of Medical Physics	2023	0971-6203	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176440830&doi=10.4103%2fjmp.jmp_50_23&partnerID=40&md5=336b0d30eb24964e0a2c158055634c4a
Bubble formation at top-submerged nozzles immersed in a quiescent liquid	Sarkar S., Nuclear Recycle Board, Anushaktinagar, Mumbai, 400094, India, Homi Bhabha National Institute, Mumba	Engineering Sciences	Progress in Nuclear Energy	2023	0149-1970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159554293&doi=10.1016%2fj.pnucene.2023.104709&partnerID=40&md5=42c54784ae77b2c2903001403b1dee57
Intermediate valence and spin fluctuations near a quantum critical point in CeRu2-xCoxGe2	Pandey S., UGC-DAE Consortium for Scientific Research Mumbai Centre, BARC Campus, Mumbai, 400085, India, De	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164585609&doi=10.1103%2fPhysRevB.108.014407&partnerID=40&md5=aa2c5a632ee7cc175264f982263fa94a
Tailoring of microwave power density in an ECR ion source using an optimized ridge coupler	Phogat M., Ion Accelerator Development Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Mathe	Physical Sciences	Physica Scripta	2023	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163341092&doi=10.1088%2f1402-4896%2facdcc2&partnerID=40&md5=2f11e78f30001e43150a01154104ad4e
p-T-dependent structural transformations of Zn-monochalcogenides to switch their semiconductor–metal transition: a DFT study	Das P.K., Indian Institute Engineering Science and Technology, Howrah, Shibpur, 711103, India, The Centre for Earth	Chemical Sciences	Applied Physics A: Materials Science and Pro	2023	0947-8396	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162274469&doi=10.1007%2fs00339-023-06777-w&partnerID=40&md5=08600cf3bd890134f9b3e747d0c221c7
A Mega-Ampere Pulsed Current Generator Using Synchronization of Field Distortion Spark Gap Switches	Kanchi S., Bhabha Atomic Research Centre, Visakhapatnam, 531011, India, Homi Bhabha National Institute, Mumba	Engineering Sciences; Ph	IEEE Transactions on Plasma Science	2023	0093-3813	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164822562&doi=10.1109%2fTPS.2023.3285107&partnerID=40&md5=861902fd60365dee0c418d78cd8fd8ee
Volatile changes associated with fresh-cut jackfruit during storage	Adiani V., Food Technology Division, Bhabha Atomic Research Centre, Mumbai, India; Gupta S., Food Technology Di	Life Sciences	Flavour and Fragrance Journal	2023	0882-5734	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159693990&doi=10.1002%2fffj.3749&partnerID=40&md5=0b7e7347f38bfb7b786ae8e1f846c738
The inner mitochondrial membrane fission protein MTP18 serves as a mitophagy receptor to prevent apoptosis in oral cancer	Panigrahi D.P., Cancer and Cell Death Laboratory, Department of Life Science, National Institute of Technology Rour	Life Sciences	Journal of Cell Science	2023	0021-9533	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164300760&doi=10.1242%2fjcs.259986&partnerID=40&md5=6720e23972f01a36b443d8d67203773f
Manganese cobalt-MOF@carbon nanofiber-based non-enzymatic histamine sensor for the determination of food freshness	Dey B., Department of Chemical Engineering, Birla Institute of Technology, Ranchi, 835215, India; Ahmad M.W., De	Chemical Sciences	Analytical and Bioanalytical Chemistry	2023	1618-2642	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160240565&doi=10.1007%2fs00216-023-04737-0&partnerID=40&md5=5feb3ef9eea2190693d163a16ea5e750
Cholesterol-Controlled Interaction of Ionic Liquids with Model Cellular Membranes	Hitaishi P., Department of Physics, School of Natural Sciences, Shiv Nadar Institution of Eminence, NH91, Tehsil Dad	Physical Sciences	Langmuir	2023	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164279630&doi=10.1021%2facs.langmuir.3c00883&partnerID=40&md5=3f580676b5c2759d01876f7064eda63d

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Quick Classification and Prediction of CO2, NH3, H2S, and NO2 Gases from Their Mixture Using a ZnO Nanowire-Based Electronic Nose	Sinju K.R., Technical Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha Natio	Physical Sciences	Journal of Electronic Materials	2023	0361-5235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153390102&doi=10.1007%2fs11664-023-10419-5&partnerID=40&md5=d00538256b838a2179e96e6f0f0caaf3
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Hydrazones tethered disubstituted 1,2,3-triazoles: Design, synthesis, antitubercular and antimicrobial evaluation	Yadav A., Department of Chemistry, Guru Jambheshwar University of Science and Technology, Haryana, Hisar, 1250	Chemical Sciences	Journal of Molecular Structure	2023	0022-2860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149683116&doi=10.1016%2fj.molstruc.2023.135163&partnerID=40&md5=35f42ffa0f50d5d948714b975f290ca3
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High Valent Mercury Fluoride Ions	Jayasekharan T., Atomic and Molecular Physics Division, Physics Group, Bhabha Atomic Research Centre Trombay, M	Physical Sciences	ChemPhysChem	2023	1439-4235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159321382&doi=10.1002%2fcphc.202300036&partnerID=40&md5=32a3aa139e47a0a00d807a2f4123dfa0
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Tunable magnetoresistance driven by electronic structure in Kagome semimetal Co 1 − x FexSn	Vijay K., Accelerator Physics and Synchrotrons Utilization Division, Raja Ramanna Centre for Advanced Technology,	Chemical Sciences; Engin	Applied Physics Letters	2023	0003-6951	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161723734&doi=10.1063%2f5.0153865&partnerID=40&md5=d4c05c5bcadc51e525afd995af653e3a
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Systematic study of (p, n) and (p, 2n) reactions on 110Cd	Vashi V., Department of Physics, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, 390002	Physical Sciences	Radiation Physics and Chemistry	2023	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151785543&doi=10.1016%2fj.radphyschem.2023.110933&partnerID=40&md5=657348b65ca99c9c5b798dd72fa010c1
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Coupled Ion-Conduction Mechanism for Enhanced Ionic Conductivity in Mg2B2O5 Nanowires Enabled Poly(ethylene oxide)-Based Quasi Solid State Elec	Sharma S.K., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Natio	Chemical Sciences	Journal of Physical Chemistry C	2023	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164379736&doi=10.1021%2facs.jpcc.3c02575&partnerID=40&md5=8fc3131b23edfe123de23e5e6e6ab79a
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Contrasting complexation behaviour of zwitterionic amyloid probe, SYPRO orange with β-cyclodextrin and captisol	Mora A.K., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400 085, India	Chemical Sciences	Journal of Photochemistry and Photobiology	2023	1010-6030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151468243&doi=10.1016%2fj.jphotochem.2023.114712&partnerID=40&md5=c10af7498eae365a5f5d2742429f1fe5
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A 2D Cu(ii) coordination polymer constructed with 2,5-pyridinedicarboxylic acid linker: synthesis, structural analysis and its selective transformation into	Karmakar G., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National I	Chemical Sciences	New Journal of Chemistry	2023	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166168796&doi=10.1039%2fd3nj01906c&partnerID=40&md5=941cf703706bff5fea6ccbc3d47e70e9
Polyethylene terephthalate track etched membrane for recovery of helium from helium-nitrogen system	Nailwal B.C., Desalination & Membrane Technology Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 4	Engineering Sciences; Ph	Express Polymer Letters	2023	1788-618X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153562567&doi=10.3144%2fexpresspolymlett.2023.44&partnerID=40&md5=e6f181c1f234a16652ac61cc56642ae8
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Self-assembly modulation in star block copolymers by amphiphilic diol: A scattering insight	Patel A., Department of Chemistry, Navyug Science College, Rander Road, Surat- 395009, Gujarat, India; Ray D., Soli	Physical Sciences	Journal of Molecular Liquids	2023	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151304373&doi=10.1016%2fj.molliq.2023.121726&partnerID=40&md5=2d7f51c24b4b2430f9a5812011d2d065
Encapsulation of curcumin in alginate microbeads (AMB) for control release of curcumin	Shaikh S.A.M., Radiation and Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Ba	Chemical Sciences	Journal of Chemical Sciences	2023	0974-3626	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156216897&doi=10.1007%2fs12039-023-02159-0&partnerID=40&md5=abe83180f3a340e084a0c07c0e0f1b46
Study of thermal, structural, microstructural, vibrational and elastic properties of MnxMg0.8–xZn0.2Fe2O4 (0.1 ≤ x≤ 0.7) ferrite nanoparticles	Prasad S.A.V., Nanomaterials and Nanomagnetism Research Laboratory, Department of Physics, Sasi Institute of Te	Physical Sciences	Ceramics International	2023	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151261364&doi=10.1016%2fj.ceramint.2023.03.170&partnerID=40&md5=af05349d0d76e584b3f7a4d996559c02
Biochemical separation of Cetuximab-Fab from papain-digested antibody fragments and radiolabeling with 64Cu for potential use in radioimmunothera	Chakravarty R., Radiopharmaceuticals Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India,	Chemical Sciences; Engin	Applied Radiation and Isotopes	2023	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151260318&doi=10.1016%2fj.apradiso.2023.110795&partnerID=40&md5=6ec2c17e2f762fd2caa6c250628dad91
Successive, overlapping transitions and magnetocaloric effect in Te doped Ni-Mn-Sn Heusler alloys	Archana R., International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), Tamilnadu, (	Physical Sciences	Journal of Alloys and Compounds	2023	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149723035&doi=10.1016%2fj.jallcom.2023.169434&partnerID=40&md5=bf8c77b46ebf28dbf159164c89fa9b0e
Establishment of ex vivo calibration curve for X-ray induced “dicentric + ring” and micronuclei in human peripheral lymphocytes for biodosimetry during	Vijayalakshmi J., Department of Human Genetics, Sri Ramachandra Institute of Higher Education and Research (DU)	Life Sciences; Physical Sci	Heliyon	2023	2405-8440	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161046382&doi=10.1016%2fj.heliyon.2023.e17068&partnerID=40&md5=a235b416b193516df6af99a2fa72e062
Assessment of Macronutrients and Physicochemical Parameters of Agricultural Soils in Nawanshahr-Hoshiarpur Districts of Punjab	Shikha D., Departmet of Physics, Sri Guru Teg Bahadur Khalsa College, Sri Anandpur Sahib, 140 118, India; Dadwal V	Chemical Sciences	Indian Journal of Pure and Applied Physics	2023	0019-5596	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182353370&doi=10.56042%2fijpap.v61i6.2408&partnerID=40&md5=450383beb6db42dd3c0d35119aed39f9
Measurement of Direct-Photon Cross Section and Double-Helicity Asymmetry at s =510 GeV in p→ + p → Collisions	Abdulameer N.J., Debrecen University, Egyetem tér 1, Debrecen, H-4010, Hungary; Acharya U., Georgia State Unive	Physical Sciences	Physical Review Letters	2023	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164137210&doi=10.1103%2fPhysRevLett.130.251901&partnerID=40&md5=e5364ce9a7c3d18bcc65c7bb1fcb08bb
A Single Step Acid Assisted Microwave Digestion Method for the Complete Dissolution of Bauxite and Quantitation of its Composition (Al2O3, Fe2O3, Si	Prasad A.D., National Centre for Compositional Characterisation of Materials, Bhabha Atomic Research Centre, ECIL	Chemical Sciences	Geostandards and Geoanalytical Research	2023	1639-4488	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152527250&doi=10.1111%2fggr.12481&partnerID=40&md5=d4337651483b818f7a2c353eebccaf7d
Calibration free laser ablation molecular isotopic spectrometry (CF-LAMIS) for boron isotopic composition determination	Mohan A., Homi Bhabha National Institute, Anushaktinagar, Mumbai, 400, India; Banerjee A., Fuel Chemistry Divisi	Chemical Sciences	Journal of Analytical Atomic Spectrometry	2023	0267-9477	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164362780&doi=10.1039%2fd3ja00122a&partnerID=40&md5=e7b147de1eca21d0e4d5cde2e2d3efc5
Sol-gel mediated synthesis and characterization of hierarchically porous Fe2O3/SiO2 monolithic catalyst for high temperature sulfuric acid decompositio	Kumar N., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Banerjee A.M., Chemistry D	Chemical Sciences; Physi	Catalysis Communications	2023	1566-7367	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158892477&doi=10.1016%2fj.catcom.2023.106686&partnerID=40&md5=273f17969cf6ad460a2b21b0a09bbe84
Targeting HER2-receptors with 177Lu-labeled triazole stapled cyclic peptidomimetic	Kumar Sharma A., Radiopharmaceuticals Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha N	Chemical Sciences; Life S	Bioorganic Chemistry	2023	0045-2068	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152677633&doi=10.1016%2fj.bioorg.2023.106503&partnerID=40&md5=9809dc35a143285eaf0698e2dad0bd76
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4E analysis and optimization of novel ejector-enhanced organic Rankine cycles by introducing new economic models	Srivastava M., Department of Mechanical Engineering, Indian Institute of Technology (B.H.U.), UP, Varanasi, 221005	Engineering Sciences	Thermal Science and Engineering Progress	2023	2451-9049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153677566&doi=10.1016%2fj.tsep.2023.101855&partnerID=40&md5=7dc62c38213e0c74ac1136f12d6f8adc
Understanding the correlation of microscopic structure and macroscopic properties of multi-component glass through atomistic simulations	Sahu P., Chemical Engineering Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Inst	Chemical Sciences	Journal of Chemical Sciences	2023	0974-3626	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152552569&doi=10.1007%2fs12039-023-02143-8&partnerID=40&md5=1b2915d8ec593dd14d14bc8840c2fffa
Experimental evidence of large collective enhancement of nuclear level density and its significance in radiative neutron capture	Santhosh T., Nuclear Physics Division, Bhabha Atomic Reserch Centre, Trombay, Mumbai, 400085, India, Homi Bhab	Physical Sciences	Physics Letters, Section B: Nuclear, Element	2023	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154617088&doi=10.1016%2fj.physletb.2023.137934&partnerID=40&md5=89e3c3f6690bbd609febde8467c24b6e
Interplay between the Pore Network Modifications and Dynamics of Confined Polyethyleneimine in Self-Assembled Polyethyleneimine-Silica Nanopartic	Sharma S.K., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Natio	Chemical Sciences; Physi	Journal of Physical Chemistry C	2023	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160694763&doi=10.1021%2facs.jpcc.3c01327&partnerID=40&md5=f854f828eff59ba20b1b6e2c46677e48
Anisotropy study of hydrogen diffusion along different directions of Zr-2.5%Nb alloy pressure tube using neutron imaging	Shukla S., Technical Physics Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Institu	Engineering Sciences; Ph	Journal of Nuclear Materials	2023	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151243617&doi=10.1016%2fj.jnucmat.2023.154414&partnerID=40&md5=178bc4d8c247bfaeefbf7e88cd6f1889
Transverse single-spin asymmetry of midrapidity π0 and η mesons in p+Au and p+Al collisions at sNN =200 GeV	Abdulameer N.J., Debrecen University, Egyetem tér 1, Debrecen, H-4010, Hungary; Acharya U., Georgia State Unive	Physical Sciences	Physical Review D	2023	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163488281&doi=10.1103%2fPhysRevD.107.112004&partnerID=40&md5=e2b3b81153f83523d1bf787995ca509f
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Selective Extraction of Thorium(IV) from Uranium and Rare Earth Elements Using Tetraphenylethane-1,2-diylbis(phosphoramidate)	Saha A., Radioanalytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Kumari K., Ra	Chemical Sciences; Physi	Inorganic Chemistry	2023	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163921144&doi=10.1021%2facs.inorgchem.3c00359&partnerID=40&md5=f9d27f880bce75e50a35c47da92a4b44
Comparison of 99mTc-methylenediphosphonate and 68Ga-BPAMD PET/computed tomography imaging in bone metastasis	Vatsa R., Department of Nuclear Medicine, Postgraduate Institute of Medical Education and Research, Chandigarh,	Chemical Sciences; Engin	Nuclear Medicine Communications	2023	0143-3636	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159267831&doi=10.1097%2fMNM.0000000000001685&partnerID=40&md5=c9bafcc3281bebc82f2d31403b374162
Anisotropic electrical properties of 200 MeV Ag+15 ion irradiated manganite films	Udeshi B., Department of Physics, Saurashtra University, Rajkot, 360005, India; Hirpara B., Department of Physics, S	Physical Sciences	Materials Chemistry and Physics	2023	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151238792&doi=10.1016%2fj.matchemphys.2023.127688&partnerID=40&md5=a3aa0ceebe6442a96d668db24329a719
High-Throughput Screening of the CoRE-MOF-2019 Database for CO2 Capture from Wet Flue Gas: A Multi-Scale Modeling Strategy	Kancharlapalli S., Department of Chemical and Biological Engineering, Northwestern University, Evanston, 60208, IL	Chemical Sciences	ACS Applied Materials and Interfaces	2023	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162905248&doi=10.1021%2facsami.3c04079&partnerID=40&md5=15c806fe9d52c7f0a25c5ca6a125da03
Biogenic synthesis, characterization and application of silver nanoparticles as biostimulator for growth and rebaudioside-A production in genetically stab	Laha S., Crop Research Unit (Genetics and Plant Breeding), Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, West	Life Sciences	Industrial Crops and Products	2023	0926-6690	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150880222&doi=10.1016%2fj.indcrop.2023.116520&partnerID=40&md5=55931ee1ccaf2a2ed5897c498661c0f5
Solution processable polypyrrole nanotubes as an alternative hole transporting material in perovskite solar cells	Jha P., Technical Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National I	Physical Sciences	Materials Today Communications	2023	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153177409&doi=10.1016%2fj.mtcomm.2023.105994&partnerID=40&md5=60e07127bac2761f22f94dd4fbe521c1
Structural characterization, defect evolution and luminescence properties of natural CaF2 under 10 MeV electron irradiation	Banerjee R.H., Materials Science Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400 085, India; Alexa	Chemical Sciences; Engin	Ceramics International	2023	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151451167&doi=10.1016%2fj.ceramint.2023.03.261&partnerID=40&md5=d9876624e8140d766629bc3b7bed9086
Effects of hydrogen bonding on intramolecular/intermolecular proton-coupled electron transfer using a Ruthenium-anthraquinone dyad in ultrafast tim	Dey A., Department of Chemical Sciences, Indian Institute of Science Education and Research Kolkata, Campus Road	Chemical Sciences	Journal of Photochemistry and Photobiology	2023	1010-6030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151480361&doi=10.1016%2fj.jphotochem.2023.114709&partnerID=40&md5=032faef137decdb9cca1b66b532572f7
Unusual Spin States in Noble Gas Inserted Noble Metal Halocarbenes, FNgCM (Ng = Kr, Xe, Rn; M = Cu, Ag, Au)	Kuntar S.P., Homi Bhabha National Institute, Training School Complex, Anushakti Nagar, Mumbai, 400 094, India, Bi	Chemical Sciences	Journal of Physical Chemistry A	2023	1089-5639	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163668842&doi=10.1021%2facs.jpca.3c02163&partnerID=40&md5=7adac8fe3829fec0c0f3b0c85f8cca79
Magneto-dielectric signature of Gd3+-substituted PbMg1/3Nb2/3O3 ceramics	Pandey A.H., Metallurgical Engineering and Materials Science, Indian Institute Technology of Bombay, Mumbai, 400	Physical Sciences	Journal of Materials Science: Materials in Ele	2023	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161966170&doi=10.1007%2fs10854-023-10769-0&partnerID=40&md5=82c3023980a27e64190df0effd836b98
Transition metal atoms anchored 2D holey graphyne for hydrogen evolution reaction: Acumen from DFT simulation	Chodvadiya D., Department of Physics, Faculty of Science, The Maharaja Sayajirao University of Baroda, Gujarat, Va	Physical Sciences	International Journal of Hydrogen Energy	2023	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148377143&doi=10.1016%2fj.ijhydene.2023.01.246&partnerID=40&md5=3201a07e475c81a36cb45eb3884da49a
Investigation of the low- and medium-spin level structure in As 77	Mondal A.K., Department of Physics, Siksha Bhavana, Visva-Bharati University, West Bengal, Santiniketan, 731 235,	Engineering Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164203198&doi=10.1103%2fPhysRevC.107.064320&partnerID=40&md5=2be498108cf7dcd01462c90e488472fb
Bioactive compounds in Layacha brown rice (Oryza sativa L.) improve immune responses in mice via activation of transcription factor Nrf2	John S., Department of Genetics and Plant Breeding, Indira Gandhi Krishi Vishwavidyalaya, Raipur, 492012, India, Ra	Life Sciences	Food Bioscience	2023	2212-4292	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161037108&doi=10.1016%2fj.fbio.2023.102785&partnerID=40&md5=8ed2d9d7201f33757582b8b5df9ad1b2
Electronic structure and reactivity of dehydrobenzo[n]annulene incorporated two-dimensional metal-organic frameworks	Kancharlapalli S., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Institu	Chemical Sciences	Journal of Chemical Sciences	2023	0974-3626	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160003130&doi=10.1007%2fs12039-023-02165-2&partnerID=40&md5=f4fa74960777a2259d0a902c16684556
Phylogenomics of transcriptionally active AP2/ERF and bHLH transcription factors and study of their promoter regions in Nothapodytes nimmoniana (J.G	Godbole R.C., Department of Botany, Savitribai Phule Pune University, Pune, 411007, India; Kadam S.B., Departmen	Life Sciences	Genome	2023	0831-2796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169504105&doi=10.1139%2fgen-2023-0009&partnerID=40&md5=5f14aa20c8548821964e08b812aed627
Topological phonons and low lattice thermal conductivity of Li2CaX (X = Sn and Pb) type Heusler compounds	Sharma V.K., Department of Physics, Indian Institute of Technology Hyderabad, Kandi, Telangana, Sangareddy, 5022	Physical Sciences	Materials Today Communications	2023	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161314028&doi=10.1016%2fj.mtcomm.2023.106289&partnerID=40&md5=7cd7e54775c31d27896f126dabe97ee1
Pluronic Induced Interparticle Attraction and Re-entrant Liquid-Liquid Phase Separation in Charged Silica Nanoparticle Suspensions	Kumar S., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Ganguly R., Chemis	Chemical Sciences; Physi	Langmuir	2023	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163260916&doi=10.1021%2facs.langmuir.3c00491&partnerID=40&md5=8c2bbac349779a31b613a6cfa86ec41a
Selective detection of Cd (II) and Cr (VI) ions using rGO functionalized metal doped SnO2 nanocomposites	Choudhari U., Department of Electronic and Instrumentation Science, Savitribai Phule Pune University, Pune, 41100	Physical Sciences	Microchemical Journal	2023	0026-265X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152098071&doi=10.1016%2fj.microc.2023.108728&partnerID=40&md5=7ee309c2c8a6cbf654906b5e4ce05e65
Gamma Phase Stability in U–Mo Alloys	Rakesh R., Metallic Fuels Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National	Engineering Sciences	Transactions of the Indian Institute of Metal	2023	0972-2815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150522178&doi=10.1007%2fs12666-023-02911-7&partnerID=40&md5=02d18ad0e6503153637ff15f2613913a
A dual responsive ionic liquid-based polymeric hydrogel: a promising drug delivery vehicle for the treatment of breast cancer	Pansuriya R., Ionic Liquids Research laboratory, Department of Chemistry, Sardar Vallabhbhai National Institute of T	Physical Sciences	New Journal of Chemistry	2023	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166101742&doi=10.1039%2fd3nj01914d&partnerID=40&md5=7ed292abe67b5c1ad9a82d6d1842f728
Experimentation, modeling and optimisation studies of an integrated-packed bed reactor (PBR) for the decomposition of sulphuric acid	Sujeesh S., Chemical Technology Division, Bhabha Atomic Research Centre (BARC), Mumbai, 400085, India, Homi Bh	Engineering Sciences	International Journal of Hydrogen Energy	2023	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152673904&doi=10.1016%2fj.ijhydene.2023.02.085&partnerID=40&md5=ef2aae11be6c4e2ea084762f93b6d486
Polyacrylonitrile support impregnated with amine-functionalized graphitic carbon nitride/magnetite composite nanofibers towards enhanced arsenic re	Tripathy M., Department of Chemistry, NIT Rourkela, Odisha, 769008, India; Padhiari S., Department of Chemistry, N	Chemical Sciences	Journal of Colloid and Interface Science	2023	0021-9797	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149738325&doi=10.1016%2fj.jcis.2023.02.104&partnerID=40&md5=91628df947de83e99d6f3c36da789be4
Glutathione-Capped Hollow Silver Nanoparticles: Optimization of Surface Plasmon Resonance, Photothermal Effect, and In Vitro and In Vivo Biocompati	Bhavsar C., Department of Pharmaceutics, SVKM's Dr Bhanuben Nanavati College of Pharmacy, Vile Parle West, Mu	Chemical Sciences	ACS Applied Nano Materials	2023	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162902393&doi=10.1021%2facsanm.3c00921&partnerID=40&md5=773afe81c9477a3f0b30686c02997890
Efficient Charge Transfer in the Perovskite Quantum Dot-Hemin Biocomposite: Is This Effective for Optoelectronic Applications?	Sayyad U.S., Institute of Chemical Technology Mumbai, Maharashtra, Jalna, 431203, India; Burai S., Institute of Che	Chemical Sciences	Journal of Physical Chemistry Letters	2023	1948-7185	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162900492&doi=10.1021%2facs.jpclett.3c00894&partnerID=40&md5=f163ed4b86fd6bb9aa30bd6ea0971c8e
Experimental observation of spin glass state in the highly disordered quaternary Heusler alloy FeRuMnGa	Gupta S., Condensed Matter Physics Division, Saha Institute of Nuclear Physics, 1/AF, Bidhannagar, Kolkata, 700064	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158875146&doi=10.1103%2fPhysRevB.107.184408&partnerID=40&md5=33be01623e50aeaca3349bb6150c2119
A combined powder x-ray and neutron diffraction studies on (1-x) NaNbO3-x Na0.50Bi0.50TiO3 solid solution	Jayakrishnan V.B., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhab	Physical Sciences	Journal of Solid State Chemistry	2023	0022-4596	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151029503&doi=10.1016%2fj.jssc.2023.123996&partnerID=40&md5=8bbcdb26e3a056d6e223a9702758eafa
Acid-Resistant Luminescent Si/UiO-66-Amidoxime (AO) Nanostructures for Rapid and Efficient Recovery of U(VI): Experimental and Theoretical Studies	Vaddanam V.S., Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai, 400094, India,	Chemical Sciences	ACS Applied Nano Materials	2023	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161018172&doi=10.1021%2facsanm.3c00477&partnerID=40&md5=973bb6110081dbc57047e42679fd42cb
Structure, rheology, and 3D printing of salt-induced κ-carrageenan gels	Patel P., Department of Chemical engineering, Dr. Kiran C. Patel Centre for Sustainable Development, Indian Institut	Physical Sciences	Materials Today Communications	2023	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150418713&doi=10.1016%2fj.mtcomm.2023.105807&partnerID=40&md5=1aa6c0c9d63798fa605cbf8b46063ca4
Amphiphilic interaction-mediated ordering of nanoparticles in Pickering emulsion droplets	Sen D., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha Nationa	Chemical Sciences; Physi	Soft Matter	2023	1744-683X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160423737&doi=10.1039%2fd2sm01544g&partnerID=40&md5=86c5c0f3cb790599433c3d2e4d4bf102
Influence of ion irradiation on the surface electronic structure of epitaxial lanthanum nickelate films	Sharma V., Centre for Nanoscience and Nanotechnology, Block-II, South Campus, Panjab University, Sector-25, Chan	Physical Sciences	Surfaces and Interfaces	2023	2468-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150467045&doi=10.1016%2fj.surfin.2023.102776&partnerID=40&md5=ca14199959f0da6c2336e015b2fa62b3
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Determination of Curcumin on Functionalized Carbon Nano Tube Modified Electrode and Probing its Interaction with DNA and Copper Ion	Sahoo S., Analytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai, Trombay, 400085, India; Satpati	Chemical Sciences	Journal of Analysis and Testing	2023	2096-241X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144967041&doi=10.1007%2fs41664-022-00242-y&partnerID=40&md5=eeca0e7d8d0d723a26fae589e9af096d
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Coupling Single-Ni-Atom with Ni-Co Alloy Nanoparticle for Synergistically Enhanced Oxygen Reduction Reaction	Saifi S., Department of Sciences & Humanities, Rajiv Gandhi Institute of Petroleum Technology (RGIPT), Jais, Uttar P	Physical Sciences	Inorganic Chemistry	2023	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160856286&doi=10.1021%2facs.inorgchem.3c00584&partnerID=40&md5=214215c4cfa1f32922a3d164f808fcbb
Malabaricone C, a constituent of spice Myristica malabarica, exhibits anti-inflammatory effects via modulation of cellular redox	Patwardhan R.S., Radiation Biology and Health Sciences Division, Bhabha Atomic Research Centre, Trombay, Mumb	Life Sciences	Journal of Biosciences	2023	0250-5991	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151043784&doi=10.1007%2fs12038-023-00329-3&partnerID=40&md5=c5ba5635ec9901025a398b90008d8d4c
Cation–Oxygen Bond Covalency: A Common Thread and a Major Influence toward Air/Water-Stability and Electrochemical Behavior of “Layered” Na–Tra	Kumar B.S., Advanced Batteries and Ceramics Laboratory, Department of Metallurgical Engineering and Materials S	Physical Sciences	Advanced Energy Materials	2023	1614-6832	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152065785&doi=10.1002%2faenm.202204407&partnerID=40&md5=ffeb639221e8669a98a3862b02a378de
Compatible and energy conserving multi-material arbitrary Lagrangian Eulerian scheme for multi-group radiation hydrodynamics simulations	Sijoy C.D., Computational Analysis Division, Bhabha Atomic Research Centre (BARC), Visakhapatnam, India, Homi Bh	Physical Sciences	Computer Physics Communications	2023	0010-4655	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148684473&doi=10.1016%2fj.cpc.2023.108695&partnerID=40&md5=62498fa87eb0e2e79e2bd177a191f600
Ni3InSb: Synthesis, Crystal Structure, Electronic Structure, and Magnetic Properties	Kuila S.K., Department of Chemistry, IIT Kharagpur, Kharagpur, 721302, India; Harshit N., Department of Chemistry,	Physical Sciences	Inorganic Chemistry	2023	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159577340&doi=10.1021%2facs.inorgchem.3c00428&partnerID=40&md5=66642017ab6de4cba984c5a8040f3a23
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Theoretical studies on the mechanism, kinetics, and degradation pathways of auxin mimic herbicides by •OH radical in aqueous media	Upadhyaya H.P., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, HBNI, Mumbai, Trombay, 4	Chemical Sciences	Structural Chemistry	2023	1040-0400	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138163350&doi=10.1007%2fs11224-022-02055-2&partnerID=40&md5=a9d524b1bff0c7d149a9ad04457ce771
Experimental investigation of the structural features of polycarbonate (PC) filled with bismuth nitrate pentahydrate (BNP) composite films in terms of fr	Mirji R., Department of Physics, Karnatak University's Karnatak Science College, Karnataka, Dharwad, 580 001, India	Chemical Sciences	Applied Radiation and Isotopes	2023	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149860387&doi=10.1016%2fj.apradiso.2023.110773&partnerID=40&md5=2cdcce3ca6b2102ab44b8343e7822b7a
Pressure-induced antiferromagnetic-tetragonal to nonmagnetic-collapse-tetragonal insulator-metal transition in ThMnAsN	Sen S., Univ. Lille, CNRS, Centrale Lille, ENSCL, Univ. Artois, UMR 8181 - UCCS - Unité de Catalyse et Chimie du Solide	Physical Sciences	Journal of Materials Science	2023	0022-2461	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159449815&doi=10.1007%2fs10853-023-08556-7&partnerID=40&md5=0c88bf49ac6a0d390da662ddb9be2f24
FOIL ACTIVATION TECHNIQUE-A TOOL FOR THE EVALUATION OF PHOTO-NEUTRON DOSE IN RADIOTHERAPY	Sathian D., Radiological Physics and Advisory Division, Bhabha Atomic Research Centre, Mumbai, 400071, India, Ho	Physical Sciences	Radiation protection dosimetry	2023	1742-3406	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159553841&doi=10.1093%2frpd%2fncad054&partnerID=40&md5=7fa5f3cfd3f65b5613bc7418828ed412
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Self-assembly generation triggered in highly hydrophilic Pluronics® by sugars/ polyols	Patel D., Department of Chemistry, Sardar Vallabhbhai National Institute of Technology (SVNIT), Ichchhanath, Gujar	Physical Sciences	Journal of Molecular Liquids	2023	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150050197&doi=10.1016%2fj.molliq.2023.121614&partnerID=40&md5=f772ce34a7d120416b0203fac5bbb575
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Gamma-irradiation of inulin improves its biological functionality and feasibility as a functional ingredient in synbiotic food	Sudesh, Food Technology Division, Bhabha Atomic Research Centre, Mumbai, India; Maurya D.K., Radiation Biology	Life Sciences	Food Chemistry	2023	0308-8146	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145652359&doi=10.1016%2fj.foodchem.2022.135217&partnerID=40&md5=55a11d9582f71c600e2b94cb0ac55dfc
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Effect of Co doping on structural and magnetic properties of kagome like La based cuprate francisite Cu3La(SeO3)2O2Cl	Manna P., Department of Physics, University of Calcutta, 92 A.P.C. Road, Kolkata, 700009, India; Kanthal S., Departn	Physical Sciences	Journal of Applied Physics	2023	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159853978&doi=10.1063%2f5.0143157&partnerID=40&md5=9ea7e05e411734fde615c2ef38a1eec2
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Upconverted Nanophosphors for Increasing Efficiency in a Dye-Sensitized Solar Cell	Chouryal Y.N., School of Chemical Science and Technology, Department of Chemistry, Dr. Harisingh Gour University	Chemical Sciences	ACS Applied Energy Materials	2023	2574-0962	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154611400&doi=10.1021%2facsaem.3c00424&partnerID=40&md5=51d81566d528138f8d3fa713ce800bf3

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2D BN-biphenylene: structure stability and properties tenability from a DFT perspective	Singh M., Department of Physics, Indian Institute of Technology Bombay, Powai, Mumbai, 400076, India; Chakrabor	Physical Sciences	Physical Chemistry Chemical Physics	2023	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161698734&doi=10.1039%2fd3cp00776f&partnerID=40&md5=0f90ac57a5733cd5d6c2f199a278ad4a
Pore anisotropy in shale and its dependence on thermal maturity and organic carbon content: A scanning SAXS study	Bahadur J., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nat	Physical Sciences	International Journal of Coal Geology	2023	0166-5162	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159854146&doi=10.1016%2fj.coal.2023.104268&partnerID=40&md5=c8c43e4c33a3aac6b850a4ddf3a49b94
Alginate Encapsulation of Shoot Tips and Their Regeneration for Enhanced Mass Propagation and Germplasm Exchange of Genetically Stable Stevia reba	Subrahmanyeswari T., Crop Research Unit (Genetics and Plant Breeding), Bidhan Chandra Krishi Viswavidyalaya, We	Life Sciences	Sugar Tech	2023	0972-1525	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134518677&doi=10.1007%2fs12355-022-01194-4&partnerID=40&md5=3e4b65492a2e475764b87ae364db86e7
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Selenite reduction and biogenesis of selenium-nanoparticles by different size groups of aerobic granular sludge under aerobic conditions	Sudharsan G., Biofouling and Biofilm Processes Section, WSCD, Chemistry Group, Bhabha Atomic Research Centre, T	Life Sciences	Journal of Environmental Management	2023	0301-4797	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149999217&doi=10.1016%2fj.jenvman.2023.117482&partnerID=40&md5=752dc4ce87aeedbb4cd4b2e5952ec676
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Output feedback Model Reference Adaptive Control of nuclear reactor	Reddy P.M.S., Homi Bhabha National Institute, Mumbai, 400094, India; Shimjith S.R., Homi Bhabha National Institut	Engineering Sciences	Nuclear Engineering and Design	2023	0029-5493	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151054909&doi=10.1016%2fj.nucengdes.2023.112276&partnerID=40&md5=16dd345aa40a5a10cafe0bf800049706
Time and magnetic field dependent magnetic order in Ca3Co2 O6 revealed by resonant x-ray scattering	Yusuf S.M., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha Nat	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158816807&doi=10.1103%2fPhysRevB.107.184406&partnerID=40&md5=7f547a5606fe9514a518816e53369801
A New Series of D1-A-D2-type ESIPT-TICT-AIE Active Orange-to-red Emissive Unsymmetrical Azines: Their All-throughout Mechanochemical Synthesis an	Bhosle A.A., Department of Chemistry, BITS-Pilani, K. K. Birla Goa Campus NH 17B, Bypass Road, Zuarinagar, Goa, Sa	Chemical Sciences	Chemistry - An Asian Journal	2023	1861-4728	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159781665&doi=10.1002%2fasia.202300048&partnerID=40&md5=b9c6e605248aff0c4590096080e841c7
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Efficient Removal of Uranyl Ions Using PAMAM Dendrimer: Simulation and Experiment	Maity T., Center for Condensed Matter Theory, Department of Physics, Indian Institute of Science, Bangalore, 56001	Chemical Sciences	Langmuir	2023	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159620548&doi=10.1021%2facs.langmuir.3c00332&partnerID=40&md5=b0b2ee87ae3ff8ff578750791ebcd797
An Isothiazolanthrone-Based Self-Assembling Anticancer Color-Changing Dye for Concurrent Imaging and Monitoring of Cell Viability	Gour N., Department of Chemistry, Indrashil University, Mehsana, Gujarat, Kadi, 382740, India; Kshtriya V., Departn	Chemical Sciences	Chemistry - An Asian Journal	2023	1861-4728	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151455872&doi=10.1002%2fasia.202300044&partnerID=40&md5=d82c9296a0a8534ce2c01e42b6b155aa
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Two-temperature model for ultrafast melting of Au-based bimetallic films interacting with single-pulse femtosecond laser: Theoretical study of damage	Aeaby C., Theoretical Physics Section, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Natio	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158814910&doi=10.1103%2fPhysRevB.107.195402&partnerID=40&md5=b09ff154ca9e988619c663bfbac14286
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Properties of alginate-like exopolymers recovered from flocculent and granular microbial sludges of different biological treatment systems treating real	Sarvajith M., Biofouling and Biofilm Processes Section, WSCD, Bhabha Atomic Research Centre, Tamil Nadu, Kalpakk	Life Sciences	Separation and Purification Technology	2023	1383-5866	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149334006&doi=10.1016%2fj.seppur.2023.123460&partnerID=40&md5=9cd2ce003847d70567ff102af9cd3614
Integrative Metatranscriptomic Analysis Reveals Disease-specific Microbiome–host Interactions in Oral Squamous Cell Carcinoma	Jain V., Oral Microbiome Research Laboratory, Department of Oral Health Sciences, Maurice H. Kornberg School of	Life Sciences	Cancer Research Communications	2023	2767-9764	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185193995&doi=10.1158%2f2767-9764.CRC-22-0349&partnerID=40&md5=2e53ad13c236fe7c3facd768a165fcf3
Experimental and Numerical Analysis of Pressure Gradient and Flow Characteristics of Cemented Paste Backfill Based on Carbonate-Rich Tailings	Panchal S., Department of Mining Engineering, National Institute of Technology, Nagpur, 440010, India; Deb D., Dep	Chemical Sciences	Journal of The Institution of Engineers (India	2023	2250-2122	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137080110&doi=10.1007%2fs40033-022-00378-2&partnerID=40&md5=f1ff625c9ff4a8da9839e31771999f02
Cooper Basin REM gas shales after CO2 storage or acid reactions: Metal mobilisation and methane accessible pore changes	Pearce J.K., Centre for Natural Gas, University of Queensland, QLD, Australia, School of Earth and Environmental Sci	Physical Sciences	International Journal of Coal Geology	2023	0166-5162	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159856072&doi=10.1016%2fj.coal.2023.104271&partnerID=40&md5=05c76dd6cda1de2f63103b19652087fb
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Modification of surface characteristics of functionalized multi-walled carbon nanotubes containing mixed matrix membrane using click chemistry	Mistry P., Macromolecular Materials Laboratory, Applied Chemistry Department, Faculty of Technology and Engine	Physical Sciences	Desalination and Water Treatment	2023	1944-3994	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166470522&doi=10.5004%2fdwt.2023.29589&partnerID=40&md5=e34445b80cb404ca8d7bf4d4ea61ba1c
Depth distribution analysis of alloying and impurity elements in Ni-Ti alloy thin films using secondary ion mass spectrometer	Karki V., Fuel Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National I	Physical Sciences	Thin Solid Films	2023	0040-6090	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151784362&doi=10.1016%2fj.tsf.2023.139836&partnerID=40&md5=e943c033bb2b3b3143fd21f167e988ce
Supramolecular association of a diguanidine derivative with a porphyrin-cyclodextrin conjugate and its binding to G-Quadruplex DNA	Alexander A., Centre for Nanoscience and Genomics, Karunya Deemed University, Tamil Nadu, Coimbatore, 641114	Chemical Sciences	Journal of Molecular Structure	2023	0022-2860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147545668&doi=10.1016%2fj.molstruc.2023.135026&partnerID=40&md5=1ec09de4e52aa32f4a70b021977aee20
Experimental assessment of hydrogen removal rate for passive auto catalytic recombiners	Sharma S.K., Homi Bhabha National Institute, Mumbai, India, Nuclear Power Corporation of India Limited, Mumbai,	Engineering Sciences	Nuclear Engineering and Design	2023	0029-5493	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150439566&doi=10.1016%2fj.nucengdes.2023.112274&partnerID=40&md5=941a52b34447678e7a3e5c4a47ac531a
Development of FPGA-based standalone, portable TDCR system	Sharma M.K., Homi Bhabha National Institute, Mumbai, India, Bhabha Atomic Research Centre, Mumbai, India; Aga	Chemical Sciences; Physi	Journal of Instrumentation	2023	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159765083&doi=10.1088%2f1748-0221%2f18%2f05%2fP05016&partnerID=40&md5=50cf76d0ce31b3075740ecaac893659f
Nocardiopsis lucentensis and thiourea co-application mitigates arsenic stress through enhanced antioxidant metabolism and lignin accumulation in rice	AbdElgawad H., Integrated Molecular Plant Physiology Research (IMPRES), Department of Biology, University of Ant	Life Sciences	Science of the Total Environment	2023	0048-9697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149168110&doi=10.1016%2fj.scitotenv.2023.162295&partnerID=40&md5=d8fa14d703803b51160e66dd95fc9694
A rationale for the rapid extraction of ultra-low-level uranyl ions in simulated bioassays regulated by Mn-dopants over magnetic nanoparticles	Mandal P., Radiation Safety Systems Division, Bhabha Atomic Research Centre, Mumbai, 40085, India, Homi Bhabha	Chemical Sciences	RSC Advances	2023	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161337012&doi=10.1039%2fd3ra01957h&partnerID=40&md5=089418834ba98d02fa2050834e8ca2f4
High power balanced TEM horn antenna for ultra wide band radiator	Singh S.K., Department of Atomic Energy, Homi Bhabha National Institute, Mumbai, India, Department of Atomic Er	Physical Sciences	Microwave and Optical Technology Letters	2023	0895-2477	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145282137&doi=10.1002%2fmop.33599&partnerID=40&md5=c272246ef16c578559e20ecfc6beb4ed
A robust lyophilized kit for convenient one-step formulation of [68Ga]Ga-DOTA-E–[c(RGDfK)]2 in hospital radiopharmacy for clinical PET imaging	Das S., Radiopharmaceuticals Program, Board of Radiation and Isotope Technology, Navi Mumbai, India, Homi Bhab	Chemical Sciences; Engin	Applied Radiation and Isotopes	2023	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149396156&doi=10.1016%2fj.apradiso.2023.110725&partnerID=40&md5=32919c0145bf23ee128ae1ad4d17237f
MnxWO4 Nanostructure-Based Catalysts for Single-Step Oxidation of Cyclohexane and Methane to Oxygenates	Prabu M., Catalysis and Inorganic Chemistry Division, CSIR-National Chemical Laboratory, Dr. Homi Bhabha Road, Pu	Physical Sciences	ACS Applied Nano Materials	2023	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156212492&doi=10.1021%2facsanm.3c00319&partnerID=40&md5=c140999daf7a6e19a95b84c3e2c2829e
Synthesis of dual state emissive β-carboline boron complexes	Dutta K., Bio-Organic Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Agrawal R., Bio-Organic Div	Chemical Sciences	New Journal of Chemistry	2023	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162203791&doi=10.1039%2fd3nj01607b&partnerID=40&md5=304a1a2a0b61fc4bb4ba959ef6626735
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Role of Crystal Structure on the Ionic Conduction and Electrical Properties of Germanate Compounds A2Cu3Ge4O12(A = Na, K)	Chikara K.S., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Bera A.K., Solid S	Physical Sciences	ACS Applied Electronic Materials	2023	2637-6113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154553357&doi=10.1021%2facsaelm.3c00176&partnerID=40&md5=89dc3a9072fda845c1599c18c2c88b67
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Influence of temperature and organic acid on self-assembly behavior of pluronic F127	Basu M., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Instit	Chemical Sciences	Journal of Molecular Liquids	2023	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150306590&doi=10.1016%2fj.molliq.2023.121630&partnerID=40&md5=33cf5b5e13a0cc60d7fff27c2bfcaedf
K+-doped P6 crystals of NIR-upconverting NaYF4:Yb3+/Ho3+ conform to the 'strain-intensity' relationship	Swain A., Department of Chemistry, National Institute of Technology, Rourkela, 769008, India; Verma P., Departme	Physical Sciences	CrystEngComm	2023	1466-8033	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162228946&doi=10.1039%2fd3ce00363a&partnerID=40&md5=e4282bdd7235de2e34456343338abba6
Experimental Study and 3-D PIC-MCC Simulation of DC Discharge in Various Concentrations of SF6Admixture	Gandi V.K., Homi Bhabha National Institute, Bhabha Atomic Research Centre, Mumbai, 400094, India; Verma R., Bh	Engineering Sciences; Ph	IEEE Transactions on Dielectrics and Electric	2023	1070-9878	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149381216&doi=10.1109%2fTDEI.2023.3248522&partnerID=40&md5=5e733e49adcca08338f7bf0ac8981bed
Fast ion conduction and stable [Na-Si-P] glass-ceramic solid electrolyte mixed with hafnium and scandium ions: Application to Na-ion full cel	Krishna Katta V., Department of Physics, School of Science, GITAM Deemed to be University, Telangana, Hyderabad	Chemical Sciences	Journal of Electroanalytical Chemistry	2023	1572-6657	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151530334&doi=10.1016%2fj.jelechem.2023.117392&partnerID=40&md5=0edbfb905e05bda7ff6f0c334fdd44fe
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Molecular precursor mediated selective synthesis of phase pure cubic InSe and hexagonal In2Se3 nanostructures: new anode materials for Li-ion batteri	Karmakar G., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400-085, India, Homi Bhabha National I	Chemical Sciences	Dalton Transactions	2023	1477-9226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158863312&doi=10.1039%2fd3dt00234a&partnerID=40&md5=cb5dbd07741a046cb50a5b8d8b96226f
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Process temperature-dependent interface quality and Maxwell-Wagner interfacial polarization in atomic layer deposited Al2O3/TiO2 nanolaminates for	Padhi P.S., Oxide Nano Electronics Lab., Laser Materials Processing Division, Raja Ramanna Centre for Advanced Tec	Physical Sciences	Nanoscale	2023	2040-3364	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153872781&doi=10.1039%2fd3nr00909b&partnerID=40&md5=d3c3566e9a6df312e0faf4c6fd724e67
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Environmental isotope constraints and hydrogeochemical evolution of groundwater in the semi-arid national capital environs of Delhi, India	Gupta S., School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, 110067, India, Central Ground	Chemical Sciences	Urban Climate	2023	2212-0955	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150165743&doi=10.1016%2fj.uclim.2023.101481&partnerID=40&md5=c473aa2a7a070acc5c556d0df687185e
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How is UVR8 relevant in plants? New evidence	Mishra V., Plant Physiology Laboratory, Department of Botany, C.M.P. Degree College, A Constituent Post Graduate	Life Sciences	Plant Growth Regulation	2023	0167-6903	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143732124&doi=10.1007%2fs10725-022-00939-1&partnerID=40&md5=0e655751b58c56e4c965fb20b0435df0
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Systematics and mechanisms of α production with weakly and strongly bound projectiles	Parkar V.V., Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Natior	Physical Sciences	European Physical Journal A	2023	1434-6001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156186273&doi=10.1140%2fepja%2fs10050-023-01011-w&partnerID=40&md5=42bf2b396d284286de658295698b4b28
Combined experimental and DFT investigation of temozolomide sensing properties of 2D– 2D interface of rich oxygen vacancies of WO3−x and sulfur-do	Rajkumar C., School of Materials Science and Engineering, Yeungnam University, Gyeongsan, 38541, South Korea; V	Physical Sciences	Journal of Environmental Chemical Engineer	2023	2213-3437	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148547796&doi=10.1016%2fj.jece.2023.109459&partnerID=40&md5=003ec10ada97259c5baff09d5590d7f9
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Influence of guide tubes on configuration and heat-up behaviour for PHWR specific suspended debris bed – An analytical assessment	Rajaganesh S., Homi Bhabha National Institute, Mumbai, 400094, India; Majumdar P., Reactor Safety Division, Bhab	Engineering Sciences	Nuclear Engineering and Design	2023	0029-5493	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148540768&doi=10.1016%2fj.nucengdes.2023.112219&partnerID=40&md5=2f98f79ba18b3d2fb74219489c2eb9c2
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Electronic spectroscopy of trans-2-hexenal and 3-hexanol: Experimental and computational studies	Das A.K., Atomic and Molecular Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bh	Physical Sciences	Journal of Quantitative Spectroscopy and Ra	2023	0022-4073	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147846707&doi=10.1016%2fj.jqsrt.2023.108509&partnerID=40&md5=091fe5de5fd06328f823b270a6d3e864
Phosphorous/Fluorine Co-doped Biomass-derived Carbon for Enhanced Sodium-ion and Lithium-ion Storage	Dutta D.P., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha National Ins	Chemical Sciences	ChemNanoMat	2023	2199-692X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152286109&doi=10.1002%2fcnma.202300077&partnerID=40&md5=8797b7404b675374012f1d0d37cc7191
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Deoxyglucose-conjugated persistent luminescent nanoparticles for theragnostic application in fibrosarcoma tumor model	Sharma K.S., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Melwani P.K., Radiation I	Chemical Sciences; Life S	RSC Advances	2023	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159093665&doi=10.1039%2fd3ra01169k&partnerID=40&md5=6fac218ba9ed38a92d4feda1e31b29cd
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Pd encapsulated core-shell ZIF-8/ZIF-67 for efficient oxygen evolution reaction	Varangane S., Academy of Scientific and Innovative Research (AcSIR), Ghaziabad, 201002, India, Department of Ene	Physical Sciences	Electrochimica Acta	2023	0013-4686	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149721030&doi=10.1016%2fj.electacta.2023.142100&partnerID=40&md5=e7326141462164840b553a3904abb2e4
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Thermodynamic investigation of ZnMoO4 (s) and Zn3Mo2O9 (s) compounds	Aiswarya P.M., Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabh	Chemical Sciences	Thermochimica Acta	2023	0040-6031	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150255156&doi=10.1016%2fj.tca.2023.179486&partnerID=40&md5=51bbbbcd59e4d8659e48fbca080f6236
Thidiazuron-mediated callogenesis and biosynthesis of anti-cancerous monoterpene indole alkaloid camptothecin in Nothapodytes nimmoniana (J.Grah	Kadam S.B., Department of Botany, Savitribai Phule Pune University, Pune, 411007, India; Godbole R.C., Departmen	Life Sciences	South African Journal of Botany	2023	0254-6299	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151708784&doi=10.1016%2fj.sajb.2023.03.022&partnerID=40&md5=7c745862600dbbd5b6946bf5b859ce27
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Single-Wall-Carbon-Nanotube- VSe2 Nanohybrid for Ultrafast Visible-To-Near-Infrared Third-Order Nonlinear Optical Limiters	Kumar V., Department of Physics, Indian Institute of Science Education and Research Bhopal, Bhopal, 462066, India	Physical Sciences	Physical Review Applied	2023	2331-7019	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158846065&doi=10.1103%2fPhysRevApplied.19.044081&partnerID=40&md5=221b4c5e98c204da6ceb407e32bc9318
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Defect assisted magneto-tunable photoresponse in ZnO-rGO/La0.7Sr0.3MnO3/ITO heterojunctions	Deb D., Department of ECE, Koneru Lakshmaiah Education Foundation, AP, Vaddeswaram, 522302, India, Departme	Physical Sciences	Materials Science and Engineering: B	2023	0921-5107	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147605105&doi=10.1016%2fj.mseb.2023.116353&partnerID=40&md5=ca86a02ea0f7818553a92207ac444929
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Solid solution of Cr3+ doped ZnGa2O4 and Zn2SnO4 to create cation inversion and its role on persistent deep red emission	Gupta S.K., Radiochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhab	Chemical Sciences	Journal of Luminescence	2023	0022-2313	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146439329&doi=10.1016%2fj.jlumin.2023.119697&partnerID=40&md5=9391f3381470accf0609b05bdef9073a
Comparison of effectiveness and efficiency of electron beam over gamma rays to induce novel mutations in mungbean (Vigna radiata L. Wilczek)	Dhole V.J., Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre, Mumbai, 400 085, Indi	Life Sciences	Applied Radiation and Isotopes	2023	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148069470&doi=10.1016%2fj.apradiso.2023.110719&partnerID=40&md5=95efc9636c6df6f5eaca093599698c3e
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Growth, structural, optical, and thermal behavior of bibenzyl organic single crystal for scintillator applications	Ramprasath R.H., Department of Materials Science, School of Technology, Central University of Tamil Nadu, Tamil N	Physical Sciences	Journal of Materials Science: Materials in Ele	2023	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148689487&doi=10.1007%2fs10854-023-10013-9&partnerID=40&md5=05508a237799a74d8e90fefb61a2ae8e
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Molecular dynamic simulations reveal anti-SARS-CoV-2 activity of mitocurcumin by potentially blocking innate immune evasion proteins NSP3 and NSP1	Pal D., Radiation Biology and Health Sciences Division, Bio-science Group, Bhabha Atomic Research Centre, Tromba	Life Sciences	Molecular Diversity	2023	1381-1991	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129768806&doi=10.1007%2fs11030-022-10443-3&partnerID=40&md5=0ec80cfa02f55c5a26b9964d061b17a5
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Arabinogalactan G1-4A isolated from Tinospora cordifolia induces PKC/mTOR mediated direct activation of natural killer cells and through dendritic cell	Amin P.J., Immunology Section, Radiation Biology & Health Sciences Division, Bio-Science Group, Bhabha Atomic Re	Life Sciences	Biochimica et Biophysica Acta - General Sub	2023	0304-4165	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146656383&doi=10.1016%2fj.bbagen.2023.130312&partnerID=40&md5=fc37fcacc4f0959f835ffe095ba1ea91
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On synthesis, stability and superconductivity of ThNb2H12under pressure: ab-inito calculations	Sahoo B.D., Applied Physics Division Bhabha Atomic Research Centre, Mumbai, India; Joshi K.D., Applied Physics Div	Physical Sciences	Journal of Physics and Chemistry of Solids	2023	0022-3697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145224770&doi=10.1016%2fj.jpcs.2022.111193&partnerID=40&md5=389ba0b316c9c2e3bf1dc7d5ba72a1b0
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Fatigue experiments and life predictions of notched C-Mn steel tubes	Kumar Jena S., Homi Bhabha National Institute (HBNI), Mumbai, 400094, India; Gupta S.K., Homi Bhabha National Ir	Engineering Sciences	International Journal of Fatigue	2023	0142-1123	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146496406&doi=10.1016%2fj.ijfatigue.2023.107502&partnerID=40&md5=d69cbe157d16678a4778ce3633b83862
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Loading of alpha-tocopherol in a nonionic microemulsion: Phase behavior and structural characteristics	Kanike S., Department of Pharmaceutics, National Institute of Pharmaceutical Education and Research (NIPER), Rae	Physical Sciences	Colloids and Surfaces A: Physicochemical an	2023	0927-7757	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146617465&doi=10.1016%2fj.colsurfa.2022.130785&partnerID=40&md5=ef064cfe15b2d58539c9cfe6d3975b47
Experimental investigations on magnetic pulse crimping of copper lug	Ali N., Homi Bhabha National Institute, Mumbai, India; Sharma S.K., Homi Bhabha National Institute, Mumbai, India	Engineering Sciences	Engineering Research Express	2023	2631-8695	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150483074&doi=10.1088%2f2631-8695%2facc0da&partnerID=40&md5=371c4d979ac35a08a9a68f359f93e7df
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Experimental and theoretical revelation of a unique band topology in Sb2Te3 topological insulator by substitution of Cu—A high pressure study	Pal D., Department of Physics, Indian Institute of Technology (BHU), Varanasi, 221005, India; Sharma B.B., High Pres	Physical Sciences	Materials Science and Engineering: B	2023	0921-5107	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147453125&doi=10.1016%2fj.mseb.2023.116347&partnerID=40&md5=447d635dde4fae7710b68c529d143f09
Enhancement in Photoelectrochemical Efficiency and Modulation of Surface States in BiVO4 through the TiO2 Outer Layer Using the Atomic Layer Depo	Sharma A., Analytical Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi	Chemical Sciences	Journal of Physical Chemistry C	2023	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149127113&doi=10.1021%2facs.jpcc.2c08039&partnerID=40&md5=d1c358865762b483449626cef683628e
Harvesting Plasmonic Near-Infrared Photons by Hot Hole Transfer in Nonstoichiometric-Semiconductor Plasmonic Heterojunctions	Ghorai N., Institute of Nano Science and Technology, Knowledge City, Sector 81, SAS Nagar, Punjab, Mohali, 140306	Chemical Sciences	ACS Photonics	2023	2330-4022	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149871922&doi=10.1021%2facsphotonics.2c01897&partnerID=40&md5=2c437bd326b9181b6e74b42f23e83049
Comparative Phenotypic, Genomic, and Transcriptomic Analyses of Two Contrasting Strains of the Plant Beneficial Fungus Trichoderma virens	Pachauri S., Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre, Trombay, Mumbai, In	Life Sciences	Microbiology Spectrum	2023	2165-0497	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153349973&doi=10.1128%2fspectrum.03024-22&partnerID=40&md5=063c603657d3edd557a8f934781af95e
Improved Power Factor in Highly Textured n-Type Ag2Se Flexible Films	Sarkar P., Homi Bhabha National Institute, Anushaktinagar, Mumbai, 400085, India, Technical Physics Division, Bhab	Chemical Sciences; Physi	ACS Applied Electronic Materials	2023	2637-6113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148945374&doi=10.1021%2facsaelm.2c01709&partnerID=40&md5=83bdd782772839edc9acf7b9aec91101
Magnetoimpedance effect in electrodeposited NiFe/Cu wire using trisodium citrate additive in plating bath	Tandon P., Natural Sciences, Indian Institute of Information Technology, Design and Manufacturing, Madhya Prades	Engineering Sciences	Journal of Magnetism and Magnetic Materia	2023	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147603023&doi=10.1016%2fj.jmmm.2023.170490&partnerID=40&md5=d59557dd45575ef59c0813ba63a02a33
Pressure-induced electride phase formation in calcium: A key to its strange high-pressure behavior	Modak P., High Pressure & Synchrotron Radiation Physics Division, Bhabha Atomic Research Centre, Mumbai, 4000	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152110719&doi=10.1103%2fPhysRevB.107.125152&partnerID=40&md5=88d96ba1924be21c2b37eb84297f8ceb
Insights into the CO2 Capture Characteristics within the Hierarchical Pores of Carbon Nanospheres Using Small-Angle Neutron Scattering	Maity A., Department of Chemical Sciences, Tata Institute of Fundamental Research, Mumbai, 400005, India; Singh	Physical Sciences	Langmuir	2023	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150460604&doi=10.1021%2facs.langmuir.2c03474&partnerID=40&md5=87b6836969407c478b7900021bf65570
False-Positive 68Ga-DOTATATE PET/CT Findings in Hereditary Hypophosphatemia-Osteomalacia Mimicking Culprit Lesions of Tumor-Induced Osteomala	Parghane R.V., Radiation Medicine Centre, Bhabha Atomic Research Centre, Tata Memorial Hospital Annexe, Homi	Medical and Health Scien	Journal of Nuclear Medicine Technology	2023	0091-4916	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149999098&doi=10.2967%2fjnmt.121.263776&partnerID=40&md5=8b74f2c8288cdfb38c2eea1ae7430b24
Unassisted and Efficient Actinide/Lanthanide Separation with Pillar[5]arene-Based Picolinamide Ligands in Ionic Liquids	Cai Y., Key Laboratory of Radiation Physics and Technology of the Ministry of Education, Institute of Nuclear Science	Chemical Sciences	Industrial and Engineering Chemistry Resear	2023	0888-5885	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149924370&doi=10.1021%2facs.iecr.3c00382&partnerID=40&md5=7fe5539427be306ed8df8089032fecf1
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Sensitive turn-off detection of nitroaromatics using fluorescent tetraphenylethylene phosphonate derivative	Malegaonkar J.N., Polymers and Functional Materials Division, CSIR-Indian Institute of Chemical Technology, Telang	Chemical Sciences	Journal of Photochemistry and Photobiology	2023	1010-6030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146085542&doi=10.1016%2fj.jphotochem.2022.114530&partnerID=40&md5=c1cd15e301b70752622b0bc9c5357ae1
Estimation of Lacustrine Groundwater Discharge (LGD) to an urban Himalayan lake using environmental tracers (222Rn, δ18O, EC)	Pall I.A., Department of Earth Sciences, University of Kashmir, J & K, Srinagar, 190006, India; Jeelani G., Department	Engineering Sciences	Journal of Hydrology	2023	0022-1694	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148110297&doi=10.1016%2fj.jhydrol.2023.129145&partnerID=40&md5=ed724f7230ffe3fe28fb83acd442ad6f
Green emitting plastic scintillator with neutron/gamma pulse shape discrimination for fast neutron detection	Alex L., Centre for Crystal Growth, Department of Physics, Sri Sivasubramaniya Nadar College of Engineering, Tamiln	Physical Sciences	Journal of Materials Science: Materials in Ele	2023	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148694085&doi=10.1007%2fs10854-023-10018-4&partnerID=40&md5=0a5496ea9bd670d6a2409e0e6f9ec7c3
Electrochemical capacitance and cubic-rhombohedral phase transition of sodium intercalated ferrimagnetic manganese hexacyanoferrate based open fr	Bhatt P., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha Natio	Chemical Sciences; Physi	Sustainable Materials and Technologies	2023	2214-9937	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143866722&doi=10.1016%2fj.susmat.2022.e00532&partnerID=40&md5=a9b5f1ce78347317a8b88ee22f6fea6b
Tensile Behavior of Alloy 690 in the Dynamic Strain Aging Regime	Sourabh K., Homi Bhabha National Institute, Anushakti Nagar, Mumbai, 400094, India, Mechanical Metallurgy Divisi	Engineering Sciences	Journal of Materials Engineering and Perfor	2023	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139514899&doi=10.1007%2fs11665-022-07314-1&partnerID=40&md5=2fa0806fefacb438c75bb78d2f54bc88
Redox-labelled detection probe enabled immunoassay for simultaneous detection of multiple cancer biomarkers	Chellachamy Anbalagan A., Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India;	Chemical Sciences	Microchimica Acta	2023	0026-3672	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147834393&doi=10.1007%2fs00604-023-05663-9&partnerID=40&md5=557cb1f1a1ada6d7a68e315a87edd2dd
Room temperature d 0 ferromagnetism in carbon doped LaH3: insights from density functional theory simulations	Sharma P., Department of Physics, Indian Institute of Technology Bombay, Mumbai, 400076, India; Shukla A., Depar	Physical Sciences	Journal of Physics D: Applied Physics	2023	0022-3727	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148468470&doi=10.1088%2f1361-6463%2facb721&partnerID=40&md5=990adfaf22d4819d8284bc44c96395ae
Improving constraints on gluon spin-momentum correlations in transversely polarized protons via midrapidity open-heavy-flavor electrons in p ↑+p coll	Abdulameer N.J., Debrecen University, Egyetem tér 1, Debrecen, H-4010, Hungary; Acharya U., Georgia State Unive	Physical Sciences	Physical Review D	2023	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151320125&doi=10.1103%2fPhysRevD.107.052012&partnerID=40&md5=676ed58e08338990a54ba9c9b468f4dd
Effect on structure, stability, and H+ irradiation on Nd3+/Ru4+-loaded iron phosphate glass for nuclear applications	Joshi A.C., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, India, Chemical Science, Homi Bhabha Nat	Chemical Sciences; Physi	Journal of the American Ceramic Society	2023	0002-7820	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143829534&doi=10.1111%2fjace.18914&partnerID=40&md5=bbf030735154300597bdf101660d90ff
Battery-powered FPGA-based embedded system for ultrasonic pipe inspection and gauging systems	Kumar N.P., Homi Bhabha National Institute (HBNI), Mumbai, 400094, India, Bhabha Atomic Research Centre (BARC	Engineering Sciences	Review of Scientific Instruments	2023	0034-6748	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151049325&doi=10.1063%2f5.0142236&partnerID=40&md5=f7f1563b4c4ced778379b3607da9cb17
A combined study on structural, magnetic and specific heat on double perovskite iridates Ln2CoIrO6 [Ln = Pr, Nd]	Datta R., School of Physical Sciences, Indian Association for the Cultivation of Science, Jadavpur, Kolkata, 700032, In	Physical Sciences	Journal of Physics Condensed Matter	2023	0953-8984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147234855&doi=10.1088%2f1361-648X%2facafc8&partnerID=40&md5=045bfed6ac60fb3b03a9f68ba63ff869
Transparency of the γ(n,p)π- reaction in nuclei	Das S., Nuclear Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha N	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151336430&doi=10.1103%2fPhysRevC.107.035201&partnerID=40&md5=62c9e23cd0be178421f561e1e2c9a5f4
Kinetic study of graphene oxide synthesis by electrochemical exfoliation of graphite	Biranje P.M., Department of Chemical Engineering, Institute of Chemical Technology, Mumbai, 400019, India; Patwa	Chemical Sciences; Engin	Journal of Industrial and Engineering Chemis	2023	1226-086X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143884056&doi=10.1016%2fj.jiec.2022.11.053&partnerID=40&md5=a60dbc766e7843ca4026f9a2a9770108
Porosity control of CNT aerogel and its conversion to CNT fiber in floating catalyst chemical vapour deposition	Alexander R., Materials Group, Bhabha Atomic Research Centre, Mumbai, 400085, India; Kaushal A., Materials Grou	Chemical Sciences; Engin	Journal of Porous Materials	2023	1380-2224	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139559185&doi=10.1007%2fs10934-022-01358-3&partnerID=40&md5=c9f1426a2e71b5ab215492fbb2d8acf6
Fenton reaction by H2O2 produced on a magnetically recyclable Ag/CuWO4/NiFe2O4 photocatalyst	Kumar U., Department of Chemistry, Indian Institute of Technology (Banaras Hindu University), Varanasi, 221005, In	Chemical Sciences	Catalysis Science and Technology	2023	2044-4753	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151009312&doi=10.1039%2fd3cy00102d&partnerID=40&md5=e94146468f30b52e50be7b7f349c08c7
Origin of the long-range ferrimagnetic ordering in cubic Mn(Co)Cr2 O4 spinels	Das A., Department of Physics, Indian Institute of Technology Kharagpur, West Bengal, 721302, India; Pal P., Depart	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151308184&doi=10.1103%2fPhysRevB.107.L100414&partnerID=40&md5=5646c74745a2dc8d2f4373e588ea862b
Phase matching in quantum search algorithm	Chowdhury S.R., Beam Technology Development Group, Bhabha Atomic Research Centre, Mumbai, 400085, India; E	Engineering Sciences	EPL	2023	0295-5075	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148911004&doi=10.1209%2f0295-5075%2facba41&partnerID=40&md5=93290a37e4c2c46f65409876f34ea0ae
Molecular mapping of two recessive genes controlling resistance to bacterial leaf pustule disease in soybean (Glycine max)	Totade S.P., Homi Bhabha National Institute, Mumbai, India, Nuclear Agriculture and Biotechnology Division, Bhabh	Life Sciences	Plant Breeding	2023	0179-9541	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147453975&doi=10.1111%2fpbr.13079&partnerID=40&md5=4e450f6364db386e8e5e11c3e118dfb3
Electric-Field Emission Mechanism in Q-Carbon Field Emitters	Haque A., Electrical Engineering, Ingram School of Engineering, Texas State University, San Marcos, 78666, TX, Unite	Physical Sciences	ACS Omega	2023	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149124212&doi=10.1021%2facsomega.2c07576&partnerID=40&md5=3ebb4a4ff68b071121ea76909cf0bebb
Internal nitridation of Alloy 690 during creep deformation at 1100 °C	Sourabh K., Homi Bhabha National Institute, Anushakti Nagar, Mumbai, 400 094, India, Mechanical Metallurgy Divis	Engineering Sciences	Materials Science and Engineering: A	2023	0921-5093	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148043793&doi=10.1016%2fj.msea.2023.144719&partnerID=40&md5=d066e65e5a146e79bcdd5aea84f99641
Development of DNA Bio-chip for Detection of Mutations of rpoB, embB and inhA Genes in Drug-Resistant Mycobacterium Tuberculosis	Jain B., Radiation Medicine Centre, Bhabha Atomic Research Centre, Parel, Mumbai, India, Homi Bhabha National Ir	Life Sciences	Indian Journal of Clinical Biochemistry	2023	0970-1915	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129281617&doi=10.1007%2fs12291-022-01044-w&partnerID=40&md5=21220a2d07cb0b8d7352a9432099ea56
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Comparing fatigue life prediction capability of critical plane models using multiaxial test database on 17 materials	Arora P., Reactor Safety Division, Bhabha Atomic Research Centre, Mumbai, India; Gupta S.K., Reactor Safety Divisio	Engineering Sciences	Fatigue and Fracture of Engineering Materia	2023	8756-758X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146355373&doi=10.1111%2fffe.13928&partnerID=40&md5=06a62afaf847d2035e3e0a3351c26549
Biochemical characterization of clinically relevant mutations of human Translin	Pillai V., Applied Genomics Section, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabh	Life Sciences	Molecular and Cellular Biochemistry	2023	0300-8177	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138083458&doi=10.1007%2fs11010-022-04556-4&partnerID=40&md5=503e2318aaa841d957792fee3bdcf1aa
Electron beam assisted recycling of polyurethane (PU) sponge: Turning it into a superabsorbent for wastewater treatment	Jha A., Homi Bhabha National Institute, Mumbai, India, Isotope and Radiation Application Division, Bhabha Atomic F	Chemical Sciences	Journal of Applied Polymer Science	2023	0021-8995	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145311390&doi=10.1002%2fapp.53545&partnerID=40&md5=54f9956e12b8147bc54efc6e63f5547b
Shell effect driven fission modes in fragment mass and total kinetic energy distribution of Hg ∗ 192	Kumar R., Department of Physics, Indian Institute of Technology Roorkee, Uttarakhand, Roorkee, 247667, India; M	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151360987&doi=10.1103%2fPhysRevC.107.034614&partnerID=40&md5=2f70ded182223828e02c7a04ecfd2324
Purification of hetero-oligomeric protein variants using a modified tandem affinity purification approach	Parui A.L., Integrated Biophysics and Structural Biology Lab, ACTREC – Tata Memorial Centre, Navi Mumbai, 410210	Life Sciences	STAR Protocols	2023	2666-1667	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146298258&doi=10.1016%2fj.xpro.2022.102036&partnerID=40&md5=0630a24511fe9e1364203bdf298b79ee
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Applications of Energy Dispersive X-Ray Fluorescence Spectrometry and Direct Current Arc Atomic Emission Spectroscopy Methods for Grouping Study c	Sharma V., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Department of Nucle	Chemical Sciences	ChemistrySelect	2023	2365-6549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151562395&doi=10.1002%2fslct.202204901&partnerID=40&md5=ab9458350cccc5a585099a97657ded69
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Remarkable enhancement in durability of ZrCo alloy against hydrogen induced disproportionation by Ti and Nb co-substitution	Jat R.A., Product Development Division, Bhabha Atomic Research Centre, Trombay, Mumbai-400 085, India; Rawat	Chemical Sciences	International Journal of Hydrogen Energy	2023	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143965934&doi=10.1016%2fj.ijhydene.2022.11.086&partnerID=40&md5=b773f4ac8eee62e8e6419ee51690d80f
Temperature Dependent Crystal Structure of Nd2CuTiO6: An In Situ Low Temperature Powder Neutron Diffraction Study	Kumar N., UGC-DAE Consortium for Scientific Research Mumbai Centre, Bhabha Atomic Research Centre, Mumbai,	Chemical Sciences	Crystals	2023	2073-4352	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152384500&doi=10.3390%2fcryst13030503&partnerID=40&md5=63b5c0dd5d67fcac4744c7d74205f358
Studies on synthesis and densification of niobium diboride using carbothermic reduction and hot pressing	Arati D.S., Materials Processing & Corrosion Engineering Division, Materials Group, Bhabha Atomic Research Centre	Chemical Sciences; Engin	International Journal of Refractory Metals a	2023	0263-4368	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146592042&doi=10.1016%2fj.ijrmhm.2023.106119&partnerID=40&md5=9217d09de9f89ee680b00f9786315b89
Structural investigation of Ayurveda Lauha (Iron) Bhasma	Tiwari M.K., Accelerator Physics and Synchrotrons Utilization Division, Raja Ramanna Centre for Advanced Technolo	Physical Sciences	Journal of Ayurveda and Integrative Medicin	2023	0975-9476	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148578525&doi=10.1016%2fj.jaim.2023.100690&partnerID=40&md5=33ae928767184ca236e30c7e8a1b3939
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Two-dimensional short-range spin-spin correlations in the layered spin- 32 maple leaf lattice antiferromagnet Na2Mn3 O7 with crystal stacking disorder	Saha B., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nation	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149630831&doi=10.1103%2fPhysRevB.107.064419&partnerID=40&md5=13909468255112cfb22fdc3546bca763
Reactor physics calculation and measurement during first approach to criticality of Apsara-U research reactor	Singh T., Reactor Physics and Nuclear Enginnering Section, Research Reactor Services Division, Reactor Group, Bhab	Physical Sciences	Annals of Nuclear Energy	2023	0306-4549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145261611&doi=10.1016%2fj.anucene.2022.109636&partnerID=40&md5=a85f851317287acdf1b32ececcb26f0b
Chemical characterization of automobile windshield glass samples for major, minor, and trace elemental concentration determination by INAA and its co	Sharma V., Department of Nuclear and Radiochemistry, Kishinchand Chellaram College, Mumbai, 400020, India, Rad	Chemical Sciences	RSC Advances	2023	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148657813&doi=10.1039%2fd3ra00069a&partnerID=40&md5=6ef2ba580bb12a6a16cb294767156bcd
Insight into the negative magnetization and anomalous exchange-bias in DyFe5Al7 through neutron depolarization and neutron diffraction studies	Deepak, Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nation	Physical Sciences	Journal of Physics Condensed Matter	2023	0953-8984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144365851&doi=10.1088%2f1361-648X%2faca24d&partnerID=40&md5=373d8aaad8537c012a2593675cca83ec
Multiple Magnetic Phases and Anomalous Hall Effect in Sb1.9Fe0.1Te2.85S0.15 Topological Insulators	Pal D., Department of Physics, Indian Institute of Technology (Banaras Hindu University), Varanasi, 221005, India; V	Physical Sciences	Journal of Physical Chemistry C	2023	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147214819&doi=10.1021%2facs.jpcc.2c06655&partnerID=40&md5=d037b1cbcce358c81d47de9c8e90411c
Defect-Induced Adsorption Switching (p- to n- Type) in Conducting Bare Carbon Nanotube Film for the Development of Highly Sensitive and Flexible Che	Prakash J., Materials Group, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Institu	Chemical Sciences; Engin	ACS Omega	2023	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148060597&doi=10.1021%2facsomega.2c07314&partnerID=40&md5=fa71bd9bb5edea4df458d2797f206f8a
NtcA, LexA and heptamer repeats involved in the multifaceted regulation of DNA repair genes recF, recO and recR in the cyanobacterium Nostoc PCC71	Pradhan M., Cyanobacterial Stress Biology and Biotechnology Section, Molecular Biology Division, Bhabha Atomic R	Life Sciences	Biochimica et Biophysica Acta - Gene Regula	2023	1874-9399	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146277733&doi=10.1016%2fj.bbagrm.2023.194907&partnerID=40&md5=1436fd624a90af25847dfd5f43f8a623
Pressure-Induced Monoclinic to Tetragonal Phase Transition in RTaO4 (R = Nd, Sm): DFT-Based First Principles Studies	Banerjee S., High Pressure and Synchrotron Radiation Physics Division, Bhabha Atomic Research Centre, Mumbai, 4	Physical Sciences	Crystals	2023	2073-4352	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149207875&doi=10.3390%2fcryst13020254&partnerID=40&md5=ea82284d71265d64a2d4de637d0bf98e
Probable maximum tropical cyclone parameters for east and west coast of India	Kumar D.S., Homi Bhabha National Institute (HBNI), Mumbai, India; Behera M.R., Department of Civil Engineering, I	Engineering Sciences; Ph	Natural Hazards	2023	0921-030X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144867321&doi=10.1007%2fs11069-022-05773-2&partnerID=40&md5=3d167fd1219d36061130782cafbba069
Structure and stability of Au, Au2 and Au8 cluster on Ni(111) supported h-BN sheet: Role of size and support towards oxygen bond activation	Banerjee S., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National In	Chemical Sciences	Physica E: Low-Dimensional Systems and Na	2023	1386-9477	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142176143&doi=10.1016%2fj.physe.2022.115561&partnerID=40&md5=f3cb49f6378e21d47a074ce49d8a5d90
Metal-decorated γ-graphyne as a drug transporting agent for the mercaptopurine chemotherapy drug: a DFT study	Pallikkara Chandrasekharan S., International and Inter University Centre for Nanoscience and Nanotechnology, Mah	Physical Sciences	Physical Chemistry Chemical Physics	2023	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151003800&doi=10.1039%2fd2cp05379a&partnerID=40&md5=da466265cf26e83fb07ff5c6fcf0dbfc
Crystallization kinetics and structural studies of Li1.25Al0.5Ge1.5P2.75Mo0.25O12 (LAGPM) glass/glass-ceramics based solid state electrolyte	Das A., Glass & Advanced Materials Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabh	Chemical Sciences; Physi	Materials Chemistry and Physics	2023	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145668294&doi=10.1016%2fj.matchemphys.2022.127291&partnerID=40&md5=7287e059dfe71e1dc5e165c867c66439
Silver nanoparticles-immobilized-radiation grafted polypropylene fabric as breathable, antibacterial wound dressing	Mehta K., University School of Basic and Applied Sciences, Guru Gobind Singh Indraprastha University, Dwarka, New	Chemical Sciences	Radiation Physics and Chemistry	2023	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143334849&doi=10.1016%2fj.radphyschem.2022.110683&partnerID=40&md5=be85c2becd8e5263f90cea2a939a6f22
Inverse ‘intra-lattice’ charge transfer in nickel-molybdenum dual electrocatalysts regulated by under-coordinating the molybdenum center	Parvin S., Department of Chemical Sciences and Centre for Advanced Functional Materials, Indian Institute of Scienc	Physical Sciences	Chemical Science	2023	2041-6520	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149245686&doi=10.1039%2fd2sc04617b&partnerID=40&md5=99c61b18bb6793f9d4f0423db2e62b6e
Expansion of a finite-size photoplasma in an electrostatic field with M-type electrode configuration using a novel adaptive mesh 2D-PIC code	Singh P., Homi Bhabha National Institute, Trombay, Mumbai, 400094, India; Sridhar G., Homi Bhabha National Instit	Engineering Sciences; Ph	Current Applied Physics	2023	1567-1739	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145654176&doi=10.1016%2fj.cap.2022.12.007&partnerID=40&md5=3e6f528dc6a34c0c140208be273c48d7
Defect-Engineering of 2D Dichalcogenide VSe2 to Enhance Ammonia Sensing: Acumens from DFT Calculations	Sanyal G., Mechanical Metallurgy Division, Bhabha Atomic Research Centre, Mumbai, Trombay, 400085, India; Kaur	Physical Sciences	Biosensors	2023	2079-6374	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148965065&doi=10.3390%2fbios13020257&partnerID=40&md5=e1f351a0e7ce699759db73855869e0c1
Bulk and monolayer thermoelectric and optical properties of anisotropic NbS2Cl2	Natarajan A.R., Department of Physics, Indian Institute of Technology Hyderabad, Kandi, Telangana, Sangareddy, 50	Physical Sciences	Materials Today Communications	2023	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146055912&doi=10.1016%2fj.mtcomm.2022.105309&partnerID=40&md5=465eeda6d8d7792fcfe819cf086b6160
Experimental Investigation and Crystal Plasticity Simulation with Damage for Single Crystal Copper Subjected to Tensile Load	Paik S., Homi Bhabha National Institute, Mumbai, 400094, India; Naveen Kumar N., Materials Science Division, Bhab	Engineering Sciences	Metals and Materials International	2023	1598-9623	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139152522&doi=10.1007%2fs12540-022-01256-y&partnerID=40&md5=353988fe2b773721d25174b47c3dae95

High-Pressure X-ray Diffraction Study of Orthorhombic Ca2Zr5Ti2O16	Garcia-Sanchez T., Departamento de Ingeniería Eléctrica, MALTA Consolider Team, Universitat Politècnica de Valènc	Chemical Sciences	Journal of Physical Chemistry C	2023	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146672294&doi=10.1021%2facs.jpcc.2c08011&partnerID=40&md5=258d9417728187b094966ffacf4302b9
Structure of water in poly(vinyl alcohol)-based ferrogels: effect of carbonyl iron concentration	Lawrence M.B., Department of Physics, St. Xavier's College, Goa, Mapusa, 403508, India; Rao R., Solid State Physics	Physical Sciences	Journal of Polymer Research	2023	1022-9760	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147325937&doi=10.1007%2fs10965-023-03477-0&partnerID=40&md5=2d5f61ad6b674a072e545c7e996800e1
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Evolution of the valence state of Ru metal ions in correlation with the structural and electronic properties of double perovskite ruthenates; A2SmRuO6 (	Dani S., Department of Physics, Indian Institute of Technology, Punjab, Roopnagar, 140001, India; Pandit R., Departı	Chemical Sciences	Journal of Materials Chemistry C	2023	2050-7534	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150191100&doi=10.1039%2fd2tc05072b&partnerID=40&md5=e88f20487dc3eefda35acf66a06ede42
Magnetic studies of Mn2+substituted Zn-ferrite nanoparticles: Role of secondary phases, bond angles and magnetocrystalline anisotropy	Deepty M., Nanomaterials and Nanomagnetism Research Laboratory, Department of Physics, Sasi Institute of Techn	Physical Sciences	Solid State Communications	2023	0038-1098	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147250245&doi=10.1016%2fj.ssc.2023.115077&partnerID=40&md5=336cce5671bda76d2103c66a623e1e99
Measurements of second-harmonic Fourier coefficients from azimuthal anisotropies in p+p, p+Au, d+Au, and He 3 +Au collisions at sNN =200 GeV	Abdulameer N.J., Debrecen University, Egyetem tér 1, Debrecen, H-4010, Hungary; Acharya U., Georgia State Unive	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149675672&doi=10.1103%2fPhysRevC.107.024907&partnerID=40&md5=2a2a457942fcc431502f23940448676d
Assessment of ionic site distributions in magnetic high entropy oxide of (Mn0·2Fe0·2Co0·2Ni0·2Zr0.2)3O4 and its catalytic behaviour	Shaw S.K., Department of Metallurgical Engineering, Indian Institute of Technology (Banaras Hindu University), Vara	Physical Sciences	Physica B: Condensed Matter	2023	0921-4526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146052633&doi=10.1016%2fj.physb.2023.414653&partnerID=40&md5=3b027fe5a45ea75f274af54acb621d2b
Ferrimagnetic (α-Mn3O4/MnO)@rGO nanocomposite as potential adsorbent for organic pollutant dye	Gangwar A., Department of Metallurgical Engineering, Indian Institute of Technology (BHU), Uttar Pradesh, Varanas	Chemical Sciences	Applied Surface Science	2023	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142727895&doi=10.1016%2fj.apsusc.2022.155778&partnerID=40&md5=cfc2994f9d09e0524d60badeb20990e3
Anomalous Viscosity, Aggregation, and Non-Ergodic Phase of Laponite® RD in a Water–Methanol Binary Solvent	Tiwari P., Soft Condensed Matter Laboratory, Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Isl	Physical Sciences	Clays and Clay Minerals	2023	0009-8604	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158010983&doi=10.1007%2fs42860-023-00229-5&partnerID=40&md5=0b783565a86696f158de5954497b5d37
Fluorination-Induced Asymmetry in Vacancy-Ordered Brownmillerite: Route to Multiferroic Behavior	Aich P., School of Materials Sciences, Indian Association for the Cultivation of Science, Jadavpur, Kolkata, 700032, In	Life Sciences	Chemistry of Materials	2023	0897-4756	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147505110&doi=10.1021%2facs.chemmater.2c02776&partnerID=40&md5=58cef9975940ea3a3c1854f47a762b71
A review of the synthesis, properties, and applications of 2D transition metal dichalcogenides and their heterostructures	Joseph S., International and Inter University Centre for Nanoscience and Nanotechnology, Mahatma Gandhi Univers	Physical Sciences	Materials Chemistry and Physics	2023	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146632486&doi=10.1016%2fj.matchemphys.2023.127332&partnerID=40&md5=daf433244d52e3d96fb1705a77522098
Pristine and transition metal decorated holey graphyne monolayer as an ammonia sensor: insights from DFT simulations	Lakshmy S., International and Inter University Centre for Nanoscience and Nanotechnology, Mahatma Gandhi Unive	Physical Sciences	Journal of Physics D: Applied Physics	2023	0022-3727	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146496478&doi=10.1088%2f1361-6463%2facae2e&partnerID=40&md5=68e4a5e5c33eae67449f9d7bf3f43233
Mechanistic and evolutionary insights into alkaline phosphatase superfamily through structure-function studies on Sphingomonas alkaline phosphatase	Bihani S.C., Protein Crystallography Section, Radiation Biology & Health Sciences Division, Bhabha Atomic Research	Life Sciences	Archives of Biochemistry and Biophysics	2023	0003-9861	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147112730&doi=10.1016%2fj.abb.2023.109524&partnerID=40&md5=57a3289178e045dad13e936a8c751135
Dynamics of hydrogen bond reorganization in the S1(ππ*) state of 9-Anthracenecarboxaldehyde	Ghosh R., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bha	Chemical Sciences	Journal of Photochemistry and Photobiology	2023	1010-6030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141980509&doi=10.1016%2fj.jphotochem.2022.114379&partnerID=40&md5=a875128bf3c27d21c50915c534f299d5
Experimental study of different innovative measurement methodologies applied to a canned pulsed eddy current testing probe suitable for dilation mea	Shyam T.V., Reactor Engineering Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi	Engineering Sciences	Insight: Non-Destructive Testing and Conditi	2023	1354-2575	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149285124&doi=10.1784%2finsi.2023.65.2.80&partnerID=40&md5=83dca4fa414da250211f9cca647681f1
Effect of magnetic phase coexistence on spin-phonon coupling and magnetoelectric effect in polycrystalline Sm0.5Y0.5Fe0.58Mn0.42O3	Raut S., Department of Physics and Astronomy, NIT Rourkela, Sundargarh, Odisha, Rourkela, 769008, India; Chakrav	Physical Sciences	Physica B: Condensed Matter	2023	0921-4526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146217296&doi=10.1016%2fj.physb.2022.414593&partnerID=40&md5=1d83162ca3b10227793a2c26fc3439c2
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Functionalized Fluorescent Nanostructures Generated from Self-Assembly of a Cationic Tripeptide Direct Cell-Selective Chemotherapeutic Drug Delivery	Sivagnanam S., Department of Chemistry, SRM Institute of Science and Technology, SRM Nagar, Potheri, Tamil Nadu	Chemical Sciences	ACS Applied Bio Materials	2023	2576-6422	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148069368&doi=10.1021%2facsabm.2c00996&partnerID=40&md5=1c5c23bc56f0fba0dada35f8b4d34852
68Ga-Labeled Trastuzumab Fragments for ImmunoPET Imaging of Human Epidermal Growth Factor Receptor 2 Expression in Solid Cancers	Suman S.K., Radiopharmaceuticals Division, Bhabha Atomic Research Centre (BARC), Mumbai, India, Homi Bhabha N	Life Sciences	Cancer Biotherapy and Radiopharmaceutica	2023	1084-9785	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147389742&doi=10.1089%2fcbr.2022.0042&partnerID=40&md5=0cc8118d47abe7bb87abf4554dd33c53
Gate Opening Induced High Pore Volume Expansion in Flexible Zeolitic Imidazole Frameworks during CO2 Adsorption: A Direct Observation Using Positro	Mor J., Radiochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400 085, India, Homi Bhabha	Chemical Sciences	Journal of Physical Chemistry C	2023	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147266212&doi=10.1021%2facs.jpcc.2c07284&partnerID=40&md5=642562deb5948a984dc4227cfb2bcfc3
Investigation of flow dynamics of molten glass in different solar glass production units using radiotracer method	Goswami S., Isotope and Radiation Application Division, Bhabha Atomic Research Research Centre, Mumbai, 40008	Chemical Sciences	Applied Radiation and Isotopes	2023	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146435914&doi=10.1016%2fj.apradiso.2023.110662&partnerID=40&md5=29e2032fbbc2312232c91a77368ac251
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Modulation of Surface Ti-O Species in 2D-Ti3C2TX MXene for Developing a Highly Efficient Electrocatalyst for Hydrogen Evolution and Methanol Oxidati	Navjyoti N., Department of Physics, Guru Nanak Dev University, Amritsar, 143005, India; Sharma V., Department of	Physical Sciences	Langmuir	2023	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148416612&doi=10.1021%2facs.langmuir.2c02845&partnerID=40&md5=3e7ecf9cf3ed6a67788480474c5e12f3
Low- pT direct-photon production in Au+Au collisions at sNN =39 and 62.4 GeV	Abdulameer N.J., Debrecen University, Egyetem tér 1, Debrecen, H-4010, Hungary; Acharya U., Georgia State Unive	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149624348&doi=10.1103%2fPhysRevC.107.024914&partnerID=40&md5=047077f04340f37eb7d07491351ccc15
Pressure tuning of structure, magnetic frustration, and carrier conduction in the Kitaev spin liquid candidate Cu2IrO3	Pal S., Department of Physics, Indian Institute of Science, Bengaluru, 560012, India; Malavi P., Department of Physic	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148328833&doi=10.1103%2fPhysRevB.107.085105&partnerID=40&md5=f518029deeb6e5308e6d9ec997730f80
Diglycolamides as highly efficient carrier ligands for actinide transport in supported liquid membranes	Ansari S.A., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Mohapatra P.K., Rad	Chemical Sciences	Desalination and Water Treatment	2023	1944-3994	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151476612&doi=10.5004%2fdwt.2023.29277&partnerID=40&md5=0d03c9069cbc0a2b3852c3a350da5b0b
Machine learning approach for label-free rapid detection and identification of virus using Raman spectra	Alexander R., Glass & Advanced Materials Division, Materials Group, Bhabha Atomic Research Centre, Mumbai, 400	Chemical Sciences; Engin	Intelligent Medicine	2023	2096-9376	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147124485&doi=10.1016%2fj.imed.2022.10.001&partnerID=40&md5=023547fa293223565f648652ae0d48e5
Defects and doping engineered two-dimensional o-B2N2 for hydrogen evolution reaction catalyst: Insights from DFT simulation	Chodvadiya D., Department of Physics, Faculty of Science, The Maharaja Sayajirao University of Baroda, Gujarat, Va	Physical Sciences	International Journal of Hydrogen Energy	2023	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142742498&doi=10.1016%2fj.ijhydene.2022.10.211&partnerID=40&md5=326f2d14502fbf5d1bd286da25937e35
Boron carbide thin film surface characterization after graphitic carbon removal using low-pressure oxygen gas RF plasma	Yadav P.K., Soft X-ray Applications Lab, Raja Ramanna Centre for Advanced Technology, Indore, 452 013, India; Gup	Physical Sciences	Applied Optics	2023	1559-128X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147842831&doi=10.1364%2fAO.482981&partnerID=40&md5=160e4afc5a3a04d77295ce580f4c9f04
A DFT study on the reaction pathway involved in the metal-ion-templated synthesis of benzo-21-crown-7(B21C7) from catechol and hexaethylene glyco	Sisodiya D.S., Department of Chemistry, Birla Institute of Technology and Science (BITS), Goa, Pilani, India; Ali S.M.,	Chemical Sciences	Journal of Physical Organic Chemistry	2023	0894-3230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144025207&doi=10.1002%2fpoc.4471&partnerID=40&md5=ae5bbb07c718357710d752268df0ceb7
A highly sensitive method for uranium quantification in water samples at ultra-trace level by total reflection X-ray fluorescence, after its direct pre-conc	Sanyal K., Fuel Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabha	Chemical Sciences	Talanta	2023	0039-9140	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145425443&doi=10.1016%2fj.talanta.2022.124129&partnerID=40&md5=72119d028584be58380dab12437ac1ec
Thermal neutron as a potential mutagen for induced plant mutation breeding: radiosensitivity response on wheat and rice	Kadam S.T., Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre, Maharashtra, Mumba	Physical Sciences	Genetic Resources and Crop Evolution	2023	0925-9864	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137042625&doi=10.1007%2fs10722-022-01461-z&partnerID=40&md5=250fa2407d66c7e058ea3e26049a8f08
Solvation Structure and Dynamics of Aqueous Solutions of Au+ Ions: A Molecular Dynamics Simulation Study	Saha S., Analytical Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400 085, India, Homi Bh	Chemical Sciences	Journal of Solution Chemistry	2023	0095-9782	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146608822&doi=10.1007%2fs10953-022-01234-3&partnerID=40&md5=9af194d58ccb432e521f775043f9f721
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Exudation of microplastics from commonly used face masks in COVID-19 pandemic	Bhangare R.C., Environmental Monitoring and Assessment Division, Health Safety and Environment Group, Bhabha	Chemical Sciences; Physi	Environmental Science and Pollution Resear	2023	0944-1344	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144218829&doi=10.1007%2fs11356-022-24702-1&partnerID=40&md5=8b7fa0bc24cc1b63f60f2770cb322f53
Investigating Cr dealloying and Li ingress in Ni-Mo-Cr alloys with different Mo/Cr ratio exposed to FLiNaK salt	Banerjee R.H., Materials Science Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400 085, India; Singh	Engineering Sciences	Corrosion Science	2023	0010-938X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145296549&doi=10.1016%2fj.corsci.2022.110929&partnerID=40&md5=4e4493c12a8bf39e6cd06b6b13b42ec7
Withaferin A, a steroidal lactone, selectively protects normal lymphocytes against ionizing radiation induced apoptosis and genotoxicity via activation of	Checker R., Radiation Biology & Health Sciences Division, Bio-science Group, Bhabha Atomic Research Centre, Mum	Life Sciences	Toxicology and Applied Pharmacology	2023	0041-008X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147565006&doi=10.1016%2fj.taap.2023.116389&partnerID=40&md5=68a576c0ca07637ac0868d4199cf870d
Interstitial Zinc Boosted Light Tunability, Afterglow, and Ultrabright White Emission in Zinc Germanate (Zn2GeO4)	Gupta S.K., Radiochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhab	Chemical Sciences	ACS Applied Electronic Materials	2023	2637-6113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147556928&doi=10.1021%2facsaelm.2c01759&partnerID=40&md5=f8f0af93b9133b2ad05f7092fff541ab
Highly Stable Electrochemical Supercapacitor Performance of Self-Assembled Ferromagnetic Q-Carbon	Karmakar S., Electrical Engineering, Ingram School of Engineering, Texas State University, San Marcos, 78666, TX, Ur	Physical Sciences	ACS Applied Materials and Interfaces	2023	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147595812&doi=10.1021%2facsami.2c20202&partnerID=40&md5=59c785e962ea7c1dcfffa9653dbad013
High thermoelectric performance of layered LaAgX O (X=Se,Te) from electrical and thermal transport calculations	Natarajan A.R., Department of Physics, Indian Institute of Technology Hyderabad, Kandi, Telangana, Sangareddy, 50	Physical Sciences	Physical Review Materials	2023	2475-9953	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149673571&doi=10.1103%2fPhysRevMaterials.7.025405&partnerID=40&md5=f6ae8a210d0908991ec674b131c44ac0
Pressure-Induced Structural Phase Transitions in the Chromium Spinel LiInCr4O8 with Breathing Pyrochlore Lattice	Varma M., Experimentalphysik II, Augsburg University, Augsburg, 86159, Germany; Krottenmüller M., Experimental	Physical Sciences	Crystals	2023	2073-4352	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149198127&doi=10.3390%2fcryst13020170&partnerID=40&md5=b0e1ddfe8fe18cf28cd9ba1a948823ae
Studies of Transient Photoplasma Evolution in an Electrostatic Field: Single Particle Motion to Its Collective Behavior	Jana B., Bhabha Atomic Research Centre, Advanced Tunable Laser Application Facility, Beam Technology Developme	Engineering Sciences	IEEE Transactions on Plasma Science	2023	0093-3813	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148452224&doi=10.1109%2fTPS.2022.3233808&partnerID=40&md5=2584f7a47f61b9eb0f20a15ffa21142b
Ultrafast isomerization vs bond twisting process – role of a proton	Santra S., UM-DAE Centre for Excellence in Basic Sciences, Kalina Campus, Mumbai University, Mumbai, 400 098, In	Chemical Sciences	Journal of Photochemistry and Photobiology	2023	1010-6030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143873194&doi=10.1016%2fj.jphotochem.2022.114474&partnerID=40&md5=7a6098c7b17d35c0fe97b265f7889cb9
Simulation of coupled flow and contaminant transport in an unconfined aquifer using the local radial point interpolation meshless method; [使用局部径	Swetha K., Homi Bhabha National Institute (HBNI), Mumbai, India; Eldho T.I., Department of Civil Engineering, India	Engineering Sciences	Hydrogeology Journal	2023	1431-2174	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142297152&doi=10.1007%2fs10040-022-02558-6&partnerID=40&md5=9518a03f171058e538792b1a2b4a1fcc
Probing reaction mechanisms through residual cross section measurement for 7Li+Zn system	Singh A., Department of Physics, Indian Institute of Technology Roorkee, Uttarakhand, Roorkee, 247667, India; Mai	Chemical Sciences	Physica Scripta	2023	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147330934&doi=10.1088%2f1402-4896%2facb299&partnerID=40&md5=de5e547eee90f31921b04822a0f40ba8
Mitochondriotropic Derivative of Ethyl Ferulate, a Dietary Phenylpropanoid, Exhibits Enhanced Cytotoxicity in Cancer Cells via Mitochondrial Superoxide	Patil A.S., Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Nathalal Parel	Life Sciences	Applied Biochemistry and Biotechnology	2023	0273-2289	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142365302&doi=10.1007%2fs12010-022-04252-5&partnerID=40&md5=725db6861921b943890ef9627c042167
Excitation Frequency Effect on Breast Cancer Cell Death by Atmospheric Pressure Cold Plasma	Chaturvedi Misra V., Laser & Plasma Technology Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 4000	Life Sciences; Physical Sci	Plasma Chemistry and Plasma Processing	2023	0272-4324	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146953922&doi=10.1007%2fs11090-023-10312-3&partnerID=40&md5=a35344672f25ac810c190b2c3e246ae0
Accurate Determination of the Bandgap Energy of the Rare-Earth Niobate Series	Garg A.B., High Pressure and Synchrotron Radiation Physics Division, Bhabha Atomic Research Centre, Mumbai, 400	Physical Sciences	Journal of Physical Chemistry Letters	2023	1948-7185	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148030523&doi=10.1021%2facs.jpclett.3c00020&partnerID=40&md5=59e67cae9980001aad9a255f135c9549
Guest Binding with Sulfated Cyclodextrins: Does the Size of Cavity Matter?	Singh G., Radiation & Photochemistry Division, Bhabha Atomic Research Centre Trombay, Mumbai, 400 085, India;	Chemical Sciences	ChemPhysChem	2023	1439-4235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142932387&doi=10.1002%2fcphc.202200421&partnerID=40&md5=94eabcb72a717af102d483ff25e86c37
Deciphering the Role of Gamma Ray Induced Radicals in the Thermoluminescence Process of a Neutral to Cool Daylight Emitting Sr1-xB4O7-Dyx Phosph	Mohapatra M., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Na	Chemical Sciences	ACS Applied Optical Materials	2023	2771-9855	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85186240490&doi=10.1021%2facsaom.2c00126&partnerID=40&md5=4e7323979fb794636e3f9ec9633ef4b0
Dynamic Response of Single Crystal Al, Cu & Ni Upon Impact : MD and Ab-Initio Calculations	Madhavan S., CAD, Bhabha Atomic Research Centre, Andhrapradesh, Visakhapatnam, 531011, India; Mishra V., CAD	Physical Sciences	Journal of Dynamic Behavior of Materials	2023	2199-7446	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141980300&doi=10.1007%2fs40870-022-00356-5&partnerID=40&md5=abae45708eb7c73ab6b75052fd80b357
Miniaturized double transit magnetic field measurement probe using the Faraday rotation principle	Kanchi S., Homi Bhabha National Institute, Mumbai, 400094, India, Pulsed Power & Electro-Magnetics Division, Bha	Engineering Sciences; Ph	Applied Optics	2023	1559-128X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147245764&doi=10.1364%2fAO.479671&partnerID=40&md5=92b91fe2feb47a0d0b0ac824f6a8217a
G-quadruplex binding affinity variation on molecular encapsulation of ligands by porphyrin-tethered cyclodextrin	Alexander A., Centre for Nanoscience and Genomics, Karunya Deemed University, Tamil Nadu, Coimbatore, 641114	Chemical Sciences	Journal of Molecular Liquids	2023	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146147748&doi=10.1016%2fj.molliq.2023.121233&partnerID=40&md5=43411429468cb4331306fe72ca08ed4f
N-graphene synthesized in astrochemical ices	Sivaraman B., Physical Research Laboratory, Ahmedabad, Navrangpura, 380009, India; Rahul K.K., Physical Research	Physical Sciences	European Physical Journal D	2023	1434-6060	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148205410&doi=10.1140%2fepjd%2fs10053-023-00590-z&partnerID=40&md5=4cf8bec0a2c07c3be21104a6472e49a5
In View of "On-Site" Nuclear Forensics and Assay of Fissile Materials in Sealed Packages by High-Resolution γ-Ray Spectrometry	Kumar S., Radiochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Patra S., Rad	Chemical Sciences	Analytical Chemistry	2023	0003-2700	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147426376&doi=10.1021%2facs.analchem.2c04110&partnerID=40&md5=473c67ba13ec74fdc44491d7d7592956
Oligothiophene-Ring-Strapped Perylene Bisimides: Functionalizable Coaxial Donor–Acceptor Macrocycles	Dnyaneshwar Veer S., Organic Chemistry Division, National Chemical Laboratory (CSIR-NCL), Dr. Homi Bhabha Road	Chemical Sciences	Angewandte Chemie - International Edition	2023	1433-7851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143765270&doi=10.1002%2fanie.202212934&partnerID=40&md5=86fd1a65f6b1857abce219b537972b4e
Understanding natural radiation induced cationic and anionic defects in natural fluorite single crystals through spectroscopic investigations	Banerjee R.H., Materials Science Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Pathak N., Radi	Engineering Sciences; Ph	Journal of Luminescence	2023	0022-2313	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142714799&doi=10.1016%2fj.jlumin.2022.119540&partnerID=40&md5=332f547faa44ce5825967f873824d65e
Transcription coupled DNA repair protein UVSSA binds to DNA and RNA: Mapping of nucleic acid interaction sites on human UVSSA	Mistry H., Radiation Biology & Health Science Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhab	Life Sciences	Archives of Biochemistry and Biophysics	2023	0003-9861	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146086036&doi=10.1016%2fj.abb.2023.109515&partnerID=40&md5=1a5011a37cdc1b38892b23b08f669576
Understanding the Effects of Tetrahedral Site Occupancy by the Zn Dopant in Li-NMCs toward High-Voltage Compositional-Structural-Mechanical Stabili	Sharma A., Advanced Batteries & Ceramics Laboratory (formerly, High Temperature and Energy Materials Laborato	Physical Sciences	ACS Applied Materials and Interfaces	2023	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145987535&doi=10.1021%2facsami.2c15054&partnerID=40&md5=f152dfb0de68dc1b08ded24673d9d7ce
Atomic site preference, electronic structures, and magnetic properties of γ-brass type pseudo-binary Mn2Zn11–Ni2Zn11 at high Mn-contents	Ghanta S., Department of Chemistry, Indian Institute of Technology, Kharagpur, 721302, India; Mondal A., Departm	Physical Sciences	Journal of Alloys and Compounds	2023	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140481907&doi=10.1016%2fj.jallcom.2022.167599&partnerID=40&md5=ada18420594205e7db83713d40f09702
Estimation of radon in groundwater and analysis of radon and thoron exhalation rates of the soil in Mokokchung district, Nagaland, India	Jamir S., Department of Chemistry, Nagaland University, Lumami, 798627, India; Sahoo B.K., Radiological Physics an	Physical Sciences	Groundwater for Sustainable Development	2023	2352-801X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141927831&doi=10.1016%2fj.gsd.2022.100874&partnerID=40&md5=8922c3c5999fafb28a879e97aea9aa79
Structural and vibrational properties of GdTaO4under compression: An insight from experiment and first principles simulations	Banerjee S., High Pressure and Synchrotron Radiation Physics Division, Bhabha Atomic Research Centre, Mumbai, 4	Physical Sciences	Journal of Applied Physics	2023	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146400286&doi=10.1063%2f5.0132944&partnerID=40&md5=bd19469edc95b11e56bfd50c82b6e5fc
Continuous–discrete filtering techniques for estimating states of nonlinear differential–algebraic equations (DAEs) systems	Bhase S., Homi Bhabha National Institute, Mumbai, 400094, India; Bhushan M., Department of Chemical Engineerin	Engineering Sciences	International Journal of Dynamics and Contr	2023	2195-268X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130219117&doi=10.1007%2fs40435-022-00955-z&partnerID=40&md5=c4f3bd6c7ea225d497582874b61c5fd3
Sequestration of Np4+ and NpO22+ ions by using diglycolamide-functionalized azacrown ethers in C8mim·NTf2 ionic liquid: Extraction, spectroscopic, el	Gujar R.B., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Verma P.K., Radioche	Chemical Sciences	Journal of Molecular Liquids	2023	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143735192&doi=10.1016%2fj.molliq.2022.120872&partnerID=40&md5=e7cf61ec5c29984071348b03aab66b9c
New approach for efficient separation of U and Mo using a task-specific ionic liquid from hydrochloric acid medium: extraction and electrochemical inve	Pathak S., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Srivastava A., Radioch	Chemical Sciences	New Journal of Chemistry	2023	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149031051&doi=10.1039%2fd2nj06324g&partnerID=40&md5=146819bb491bcf536faf8bdd84e3c7aa
A shear modified enhanced Gurson constitutive relation and implications for localization	Khan I.A., Reactor Safety Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Benzerga A.A	Engineering Sciences	Journal of the Mechanics and Physics of Soli	2023	0022-5096	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143875811&doi=10.1016%2fj.jmps.2022.105153&partnerID=40&md5=bd40f9f76833ae9d078ed8e19725724c
LET spectrometry for p+nat(Li+C) system at different proton energies using CR-39: Development of autoLET code for automated generation of LET spect	Sahoo G.S., Health Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Paul S., Health Physic	Physical Sciences	Nuclear Instruments and Methods in Physics	2023	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144078644&doi=10.1016%2fj.nima.2022.167896&partnerID=40&md5=0804e898f5d12cd2864ca7715fb0ea1a
Interaction of lanthanide and actinide with BaHfO3 perovskite: A case study with cerium and uranium	Gupta S.K., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Institu	Chemical Sciences; Physi	Journal of the American Ceramic Society	2023	0002-7820	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139875920&doi=10.1111%2fjace.18813&partnerID=40&md5=264ebec5841869c7e777031f4d5c7765
Reversible hydrogen adsorption in Ti-functionalized porous holey graphyne: Insights from first-principles calculation	Dewangan J., Indian Institute of Technology Bombay, Mumbai, India; Mahamiya V., Indian Institute of Technology B	Physical Sciences	Energy Storage	2023	2578-4862	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135261107&doi=10.1002%2fest2.391&partnerID=40&md5=f33dab9b8994e4407c1382affa804169
Experimental and theoretical insight into biphasic extractive mass transfer of thorium into ionic liquid phase using chloroamide ligands	Deshmukh S., Department of Chemistry, K.J.Somaiya College of Science and Commerce, India; Bhatt A.M., Departm	Chemical Sciences	Journal of Molecular Liquids	2023	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144604929&doi=10.1016%2fj.molliq.2022.121074&partnerID=40&md5=d19fd83c8c073889a7c496b9bead3089
Porosimetry of zeolitic imidazolate frameworks using positron annihilation lifetime spectroscopy	Mor J., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Utpalla P., Radiochemist	Chemical Sciences; Physi	Microporous and Mesoporous Materials	2023	1387-1811	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143373373&doi=10.1016%2fj.micromeso.2022.112389&partnerID=40&md5=72f218f15ad5bb1a4ef5366c486cd99a
Fluidization-based chemical vapour deposition for alumina coating on tubular carbon steel substrates—Modelling and validation	Dabhade P.A., Alkali Material & Metal Division, Bhabha Atomic Research Centre, Mumbai, India; Mandal D., Alkali M	Engineering Sciences	Canadian Journal of Chemical Engineering	2023	0008-4034	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129272797&doi=10.1002%2fcjce.24394&partnerID=40&md5=afecd705b2988699d2fe3a999ade95a8
Reaction-Diffusion-Driven Stoichiometric Gradient in Coevaporated Superconducting NiBi3 Thin Films	Das B., School of Physical Sciences, National Institute of Science Education and Research, An OCC of Homi Bhabha N	Physical Sciences	Crystal Growth and Design	2023	1528-7483	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146555557&doi=10.1021%2facs.cgd.2c01150&partnerID=40&md5=36098025963988ee7be83f5c086be7cf
Sugar moiety driven adsorption of nucleic acid on graphene quantum dots: Photophysical, thermodynamic and theoretical evidence	Maiti S., UGC-DAE Consortium for Scientific Research, Kolkata Centre, III/LB-8 Bidhannagar, Kolkata, 700106, India;	Physical Sciences	Journal of Molecular Liquids	2023	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145265284&doi=10.1016%2fj.molliq.2022.121148&partnerID=40&md5=4e4290ed83f7b54ad3b464bf95174797
Transient heat transfer characteristics of submerged heat source under seismic excitation	Chauhan S.P., Homi Bhabha National Institute, Mumbai, India, Mumbai, 400085, India; Chandraker D.K., Reactor En	Engineering Sciences	International Journal of Thermal Sciences	2023	1290-0729	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139283279&doi=10.1016%2fj.ijthermalsci.2022.107964&partnerID=40&md5=621d999d81686b83fcf6b74e3e0229fb
Band gap and defect engineering of bismuth vanadate using La, Ce, Zr dopants to obtain a photoelectrochemical system for ultra-sensitive detection of	Prakash J., Materials Group, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha National Institute, Anus	Chemical Sciences; Engin	Dalton Transactions	2023	1477-9226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147162987&doi=10.1039%2fd2dt03304f&partnerID=40&md5=b056b6a737c6aff5b6fa172b99081cec
Determination of thallium in vegetative plant leaves near industrial areas by high-resolution continuum source electrothermal atomic absorption spectr	Meeravali N.N., National Center for Compositional Characterization of Materials (NCCCM), Bhabha Atomic Research	Chemical Sciences	Spectrochimica Acta - Part B Atomic Spectro	2023	0584-8547	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146224151&doi=10.1016%2fj.sab.2022.106613&partnerID=40&md5=6c8b055cff084a41233bc633e163b0b6
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Bonding of isovalent homologous actinide and lanthanide pairs with chalcogenide donors: effect of metal f-orbital participation and donor softness	Chattaraj S., Health Physics Division, Health, Safety and Environment Group, Bhabha Atomic Research Centre, Mum	Chemical Sciences	Structural Chemistry	2023	1040-0400	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143369399&doi=10.1007%2fs11224-022-02094-9&partnerID=40&md5=0178779a99c861b285f1f184b4a33be5
Assessing the prospect of XAFS experiments of metalloproteins under in vivo conditions at Indus-2 synchrotron facility, India	Lahiri D., High Pressure and Synchrotron Radiation Physics, Bhabha Atomic Research Centre, Mumbai, 400085, India	Life Sciences; Physical Sci	Journal of Synchrotron Radiation	2023	0909-0495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149699728&doi=10.1107%2fS1600577522011791&partnerID=40&md5=4e0c4616c7e6e609d251e0021b487970
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Simple, Fast, and Selective Dissolution of Eu2O3 in an Ionic Liquid as a Sustainable Paradigm for Lanthanide-Actinide Separations in Radioactive Waste R	Verma P.K., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Mahanty B., Radioch	Chemical Sciences; Physi	Inorganic Chemistry	2023	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144430349&doi=10.1021%2facs.inorgchem.2c02965&partnerID=40&md5=038487ea46c3eb977cce1c08a94114f7
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Biodegradable Methane Sulfonic Acid-Based Nonaqueous Dissolution, Estimation, and Recovery: Toward Development of a Simplified Scheme for Pluto	Kumar S.S., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha Natior	Chemical Sciences	Industrial and Engineering Chemistry Resear	2023	0888-5885	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145454405&doi=10.1021%2facs.iecr.2c03473&partnerID=40&md5=517ba12e276d19067050ca3ae4a1ecd0
Study on the integrity of prolonged steam oxidized clad column quenched at various reflood rates	Singh A.R., Mechanical Engineering Department, Indian Institute of Technology Bombay, Maharashtra, Mumbai, 40	Engineering Sciences	Nuclear Engineering and Design	2023	0029-5493	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145258812&doi=10.1016%2fj.nucengdes.2022.112109&partnerID=40&md5=84f34414b03c42fa2c5c3b3bb93bbcc6
An improved strain path dependent model under multiaxial cyclic loading for simulating material response of low C-Mn steel	Pandey V., Mechanical Engineering Department, IIEST Shibpur, Howrah, India; Arora P., Reactor Safety Division, Bha	Engineering Sciences	International Journal of Fatigue	2023	0142-1123	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140653924&doi=10.1016%2fj.ijfatigue.2022.107322&partnerID=40&md5=6e3f992aa7c21c222ff127e3c32e5007
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CO2 hydrogenation to formic acid on Pd-Cu nanoclusters: a DFT study	Chattaraj D., Product Development Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Ma	Chemical Sciences	Physical Chemistry Chemical Physics	2023	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146304688&doi=10.1039%2fd2cp03805f&partnerID=40&md5=7ea1ebaa94d0d63ab018fa14c1a40d8c
Experimental Investigations on Heat Transfer Deterioration for Vertical Flow of Supercritical Carbon-Dioxide Under Natural Circulation	Bodkha K., Engineering Sciences Discipline, Homi Bhabha National Institute, Mumbai, 400094, India, Reactor Design	Engineering Sciences	ASME Journal of Heat and Mass Transfer	2023	2832-8450	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143974121&doi=10.1115%2f1.4056230&partnerID=40&md5=56c9bd8a549753c5566470a6a6ae3fab
Thermoresponsive phase behavior and nanoscale self-assembly generation in normal and reverse Pluronics®	Patel D., Department of Chemistry, Sardar Vallabhbhai National Institute of Technology (SVNIT), Ichchhanath, Gujar	Chemical Sciences; Physi	Colloid and Polymer Science	2023	0303-402X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143542462&doi=10.1007%2fs00396-022-05039-0&partnerID=40&md5=dc2131e86a61d5aa4d741f982f4956c9
Remarkable enhancement in CNT fiber synthesis by reducing convection vortex in floating catalyst chemical vapour deposition	Kaushal A., Materials Group, Bhabha Atomic Research Center, Mumbai, 400085, India, Homi Bhabha National Instit	Engineering Sciences	Chemical Engineering Journal	2023	1385-8947	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144392518&doi=10.1016%2fj.cej.2022.139142&partnerID=40&md5=5cc11534c2b74655f253631982ceac4b
Influence of defect dynamics on the nanoindentation hardness in NiCoCrFePd high entropy alloy under high dose Xe+3 irradiation	Hussain A., Materials Science Group, Inter-University Accelerator Centre, New Delhi, 110067, India; Khan S.A., Mate	Chemical Sciences	Materials Science and Engineering: A	2023	0921-5093	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145251299&doi=10.1016%2fj.msea.2022.144523&partnerID=40&md5=ba62c2d69945ee6b4eceb808ae200d93
Toward Developing Techniques–Agnostic Machine Learning Classification Models for Forensically Relevant Glass Fragments	Kaspi O., Department of Chemistry, Bar-Ilan University, Ramat-Gan, 5290002, Israel; Israelsohn-Azulay O., Toolmark	Chemical Sciences	Journal of Chemical Information and Modeli	2023	1549-9596	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144117830&doi=10.1021%2facs.jcim.2c01362&partnerID=40&md5=ca213c0c047c2852df9f8feba3509ac8
On enhancing the Li-ion conductivity of quasi-solid-state electrolytes by suppressing the flexibility of zeolitic imidazolate framework-8 via a mixed ligand	Utpalla P., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400, India, Homi Bhabha National Ins	Chemical Sciences	Physical Chemistry Chemical Physics	2023	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147318370&doi=10.1039%2fd2cp05811a&partnerID=40&md5=c37f76647842cc40dabed680cbdb6911
Relativistic coupled-cluster study of SrF for low-energy precision tests of fundamental physics	Talukdar K., Department of Chemical Sciences, Tezpur University, Assam, Napaam, Sonitpur, 784028, India; Buragoh	Chemical Sciences	Theoretical Chemistry Accounts	2023	1432-881X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146306873&doi=10.1007%2fs00214-023-02953-6&partnerID=40&md5=eee8d74b6f62141a814ce30f76cafa57
Understanding the influence of eccentric pressure tube on the thermal behavior of 37-element based PHWR channel under accident condition	Ajay K., Department of Mechanical and Industrial Engineering, Indian Institute of Technology Roorkee, Roorkee, 247	Engineering Sciences	Annals of Nuclear Energy	2023	0306-4549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142325985&doi=10.1016%2fj.anucene.2022.109533&partnerID=40&md5=34be88a1d31c9cc0b23958569caf0a44
Phase Evolution and Microstructural Behavior in Plasma-sprayed YPO4 Coating upon Thermal Cycling	Bhandari S., HomiBhabha National Institute, Anushaktinagar, Mumbai, 400094, India, Laser and Plasma Technology	Chemical Sciences; Engin	Journal of Thermal Spray Technology	2023	1059-9630	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140242719&doi=10.1007%2fs11666-022-01482-1&partnerID=40&md5=4affac5c800aea16da63ca1de5f17f97
High temperature structure and vibrational properties of GdVO4	Anitha M., Materials Processing and Corrosion Engineering Division, Bhabha Atomic Research Centre, Mumbai, 400	Chemical Sciences; Physi	Materials Chemistry and Physics	2023	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143320761&doi=10.1016%2fj.matchemphys.2022.127120&partnerID=40&md5=e8380a2c6600509f6958357079374eb4
Steady state performance of molten salt natural circulation loop with different orientations of heater and cooler	Srivastava A.K., Homi Bhabha National Institute, Mumbai, India, Reactor Design and Development Group, BARC, Mu	Engineering Sciences; Life	Applied Thermal Engineering	2023	1359-4311	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138069199&doi=10.1016%2fj.applthermaleng.2022.119318&partnerID=40&md5=8841568cf138c1870dfca4df199d7805
Study of an interesting interplay between thiourea and 4,6-dimethylpyrimidine-2-thiol with palladium(II) phosphine substrate	Lokhande S.V., Department of Chemistry, K. J. Somaiya College of Science and Commerce, Mumbai, Vidyavihar, 400	Chemical Sciences	Polyhedron	2023	0277-5387	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144080921&doi=10.1016%2fj.poly.2022.116221&partnerID=40&md5=8b723694ce3481fe9f521e8c7c6047aa
Compositional variation in Gd2Zr2-xHfxO7:Eu3+ pyrochlore by modulating Zr/Hf ratio and their immediate impact on luminescence properties	Jafar M., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National Instit	Chemical Sciences	Journal of Molecular Structure	2023	0022-2860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139315690&doi=10.1016%2fj.molstruc.2022.134198&partnerID=40&md5=bb980f242284b122b873c12a4498bc8c
An ultrasensitive and selective method for visual detection of heparin in 100 % human plasma	Pandey S.P., Amity Institute of Biotechnology, Amity University, Mumbai-Pune Expressway, Bhatan Panvel, Mumbai	Chemical Sciences	Talanta	2023	0039-9140	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141323565&doi=10.1016%2fj.talanta.2022.124040&partnerID=40&md5=26b0f4f6be047b6cbba3779854225d9f
Uranium-Sensitized Luminescence Enhancement in Li2B4O7:U6+,Eu3+and Potential Application towards Color-Tunable Phosphors and Actinide Sensor	Reshmi T.P., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Natio	Chemical Sciences; Physi	ACS Applied Optical Materials	2023	2771-9855	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163194530&doi=10.1021%2facsaom.2c00025&partnerID=40&md5=ac77fdd3b2f3499b37da3791dcb9754f
Pressure-Induced Phase Transition in MultilayeredVanadium Diselenide Nanosheets	Mishra K.K., Department of Physics, Institute for Functional Nanomaterials, University of Puerto Rico, San Juan, 009	Physical Sciences	Journal of Physical Chemistry C	2023	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145445169&doi=10.1021%2facs.jpcc.2c06694&partnerID=40&md5=eecba025d332ba0682e4c8b358100816
Linear and non-linear optical properties of boron carbide thin films	Bute A., Laser and Plasma Technology Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Jena S., A	Engineering Sciences; Ph	Applied Surface Science	2023	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139997562&doi=10.1016%2fj.apsusc.2022.155101&partnerID=40&md5=7675fd23b37a6281f49532451cdd170f
Effect of dopant oxidation states on enhanced low ppm CO sensing by copper doped zinc oxide	Rudra P., CSIR-Central Glass and Ceramic Research Institute, Jadavpur, Kolkata, India; Chakraborty N., CSIR-Central (	Physical Sciences	Materials Chemistry and Physics	2023	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143527639&doi=10.1016%2fj.matchemphys.2022.127047&partnerID=40&md5=c99d1692bed81749f135191bd79f6793
Supramolecular interaction of ofloxacin drug with p-sulfonatocalix[6]arene: Metal-ion responsive fluorescence behavior and enhanced antibacterial acti	Siddharthan A., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Ho	Chemical Sciences	Journal of Molecular Liquids	2023	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144431980&doi=10.1016%2fj.molliq.2022.121047&partnerID=40&md5=40c78932998682b668868033794165d2
Study of bias-induced degradation mechanism in perovskite CH3NH3PbI3-xClx solar cells by electroluminescence spectroscopy	Gupta D., Technical Physics Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhab	Physical Sciences	Applied Physics A: Materials Science and Pro	2023	0947-8396	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146497774&doi=10.1007%2fs00339-023-06407-5&partnerID=40&md5=f320772f176f0cce2ec1412acc5ab184
Swarm Intelligence-based Modeling and Multi-objective Optimization of Welding Defect in Electron Beam Welding	Jaypuria S., Indian Institute of Technology Kharagpur, Kharagpur, India; Das A.K., Indian Institute of Technology Kha	Engineering Sciences	Arabian Journal for Science and Engineering	2023	2193-567X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134529125&doi=10.1007%2fs13369-022-07017-8&partnerID=40&md5=d3644a62ab6f94831161fb7ef08cd446
Influence of synthesis atmosphere on the solid solubility of uranium at B-site of Nd2Zr2O7 pyrochlore	Nandi C., Radiometallurgy Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Phatak R., Fuel Chem	Physical Sciences	Journal of Nuclear Materials	2023	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143512313&doi=10.1016%2fj.jnucmat.2022.154175&partnerID=40&md5=10a57407d741c7dc32a17ad518506ac5
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Evaluation of Conducted Electromagnetic Interference Behavior of Copper Vapor Laser	Singh D.K., Homi Bhabha National Institute, Mumbai, 400094, India, Bhabha Atomic Research Centre, Beam Techno	Engineering Sciences; Ph	IEEE Transactions on Electromagnetic Comp	2023	0018-9375	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144784924&doi=10.1109%2fTEMC.2022.3221865&partnerID=40&md5=c8ceb1ac14d403a3f5e544ad45605083
Pressure–temperature phase diagram of calcium up to 50 GPa pressure	Nayak B., High Pressure and Synchrotron Radiation Physics Division, Bhabha Atomic Research Centre, Mumbai, 400	Physical Sciences	Solid State Communications	2023	0038-1098	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144040240&doi=10.1016%2fj.ssc.2022.114993&partnerID=40&md5=e5db3ef839f7911de94fc84ddf02912a

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Effect of Laser Energy Density on Phase Evolution in Laser Surface Melted As-Cast Zr–Cu Alloy	Singh V., Homi Bhabha National Institute, Mumbai, 400094, India, Materials Science Division, BARC, Mumbai, 40008	Engineering Sciences	Transactions of the Indian Institute of Metal	2023	0972-2815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180831835&doi=10.1007%2fs12666-023-03191-x&partnerID=40&md5=d4699c14d8ffb2879f0a04fba965cbee
Sensitivityofseedlinggrowth,fertilityandyieldcontributing traits in rice (Oryza sativa L.) to electron beam and Ethyl Methane Sulphonate	Prasannakumari M., Department of Plant Breeding and Genetics, Agricultural College and Research Institute, Tamil	Life Sciences	Electronic Journal of Plant Breeding	2023	0975-928X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85185181340&doi=10.37992%2f2023.1404.180&partnerID=40&md5=0c30415c69ce536d6c2c153f47860030
Nonlocal Probing of Amplitude Mode Dynamics in Charge-Density-Wave Phase of EuTe4	Rathore R., Laser Plasma Division, Raja Ramanna Centre for Advanced Technology, MP, Indore, 452013, India, Homi	Physical Sciences	Ultrafast Science	2023	2097-0331	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171554062&doi=10.34133%2fultrafastscience.0041&partnerID=40&md5=34fec514d8878eaaeebdd595f847a52e
Highly efficient and selective 99TcO4– uptake from reprocessing low-level liquid waste using a zirconium-based metal–organic framework	Patra K., Nuclear Recycle Board, Bhabha Atomic Research Centre, Tarapur, India; Mittal V.K., Nuclear Recycle Board	Chemical Sciences	Separation Science and Technology (Philade	2023	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172025479&doi=10.1080%2f01496395.2023.2260949&partnerID=40&md5=e6c2ca926f2c5c115ee132e48745263d
Synthesis and Characterization of Cobalt doped Zinc Ferrite for its Structural and Magnetic Properties	Yadav A.C., Department of Physics, Faculty of Engineering & Technology, V.B.S. Purvanchal University, Jaunpur, 222	Physical Sciences	Asian Journal of Chemistry	2023	0970-7077	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173963433&doi=10.14233%2fajchem.2023.28210&partnerID=40&md5=aed10f60b6dd2d1b3bbfa89fef017c2e
Interrogating a Mixed Actinide Basket Using High-Resolution γ-Ray Spectrometry: A Nuclear Forensic Perspective on Possible Smuggling Scenarios	Patra S., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Mani A.M., Radiochem	Chemical Sciences	Analytical Chemistry	2023	0003-2700	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85187300535&doi=10.1021%2facs.analchem.3c03779&partnerID=40&md5=f50a34d4acd087f5896a19bb36cdd440
X-ray absorption near-edge, terahertz and Raman spectroscopies evidence growth-orientation dependent cation order, phase transitions and spin-phon	Yadav E., Department of Physics, Indian Institute of Technology (IIT) Indore, Simrol, Khandwa Road M.P., Indore, 45	Physical Sciences	New Journal of Physics	2023	1367-2630	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181169088&doi=10.1088%2f1367-2630%2fad121c&partnerID=40&md5=bc32c740bfae9743b2b7d1282889c0a5
Radiation crosslinking and grafting of chitosan: Conversion of biowaste to an efficient adsorbent for removal of cationic dyes	Kumar S., GovernmentV.Y.T. PG Autonomous College Durg, Chhattishgarh, India; Tiwari A., GovernmentV.Y.T. PG Au	Chemical Sciences	Analytical Chemistry Letters	2023	2229-7928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181952766&doi=10.1080%2f22297928.2024.2301989&partnerID=40&md5=fe87f177ea57bc9dad146e06c9a1473e
Cleavable Amphiphilic Biocides with Ester-Bearing Moieties: Aggregation Properties and Antibacterial Activity	De K., Antimicrobial Research Laboratory, New Chemistry Unit, Jawaharlal Nehru Centre for Advanced Scientific Res	Physical Sciences	Langmuir	2023	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85187273115&doi=10.1021%2facs.langmuir.3c02771&partnerID=40&md5=17516f78ca990f395767d08b1311e84a
Study of plutonium recovery from acidic feed using polyethersulfone encapsulating TBP, DEHPA, and mixture of TBP and DEHPA beads	Guchhait S.R., Nuclear Recycle Board, Bhabha Atomic Research Centre, Tarapur, India, Homi Bhabha National Institu	Chemical Sciences	Separation Science and Technology (Philade	2023	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173955149&doi=10.1080%2f01496395.2023.2266562&partnerID=40&md5=03b65e7349c852f629c8260808ee388c
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Effect of pulverisation on sulfide and tin antimonide anodes for sodium-ion batteries	Priyanka P., Department of Physics, Avinashilingam Institute for Home Science and Higher Education for Women, C	Chemical Sciences	Frontiers in Energy Research	2023	2296-598X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175566007&doi=10.3389%2ffenrg.2023.1266653&partnerID=40&md5=a9dbcc0d1c673cf24b493a8367ce4d58
Diagnostics of Inductively Coupled Plasma Under the Influence of Immersed RF Self-Biased Substrate Electrode	Karar P., Department of Metallurgical Engineering and Materials Science, Semiconductor Thin Film and Plasma Proc	Physical Sciences	IEEE Transactions on Plasma Science	2023	0093-3813	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178018026&doi=10.1109%2fTPS.2023.3332813&partnerID=40&md5=3dd752665cf7f35506cf22549165bf2b
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Cold atmospheric plasma: Its time-dependent effects on the elimination of bacterial colony on periodontal manual scalers	Viswanadh V., Department of Periodontology, Government Dental College and Hospital, Maharashtra, Mumbai, Ind	Engineering Sciences; Life	Journal of Indian Society of Periodontology	2023	0972-124X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171574665&doi=10.4103%2fjisp.jisp_309_22&partnerID=40&md5=92e1fc23df693acd48afec81e07f0e30
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Simulations and experimentation of ultrasonic wave propagation and flaw characterisation for underwater concrete structures	Jain H., Homi Bhabha National Institute, Maharashtra, Mumbai, India, Electronics Division, Bhabha Atomic Research	Engineering Sciences	Nondestructive Testing and Evaluation	2023	1058-9759	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175093237&doi=10.1080%2f10589759.2023.2274006&partnerID=40&md5=4e4be1592ff6ecb5600a5a914995433c
Damage-Coupled Cyclic Plasticity Model for Prediction of Ratcheting–Fatigue Behavior under Strain and Stress Controlled Ratcheting for Two Different N	Das P., Mechanical Engineering Department, Coochbehar Government Engineering College, Coochbehar, 736170, In	Engineering Sciences	Journal of Materials Engineering and Perfor	2023	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173741718&doi=10.1007%2fs11665-023-08754-z&partnerID=40&md5=9814b5a39b5e6cea0428109189d29ee6
A Better Understanding of Solidification of Alloys Through Study of Glass/Crystal Composites	Vishwanadh B., Materials Science Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Ghosh C., Phys	Engineering Sciences; Ph	Transactions of the Indian Institute of Metal	2023	0972-2815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175336611&doi=10.1007%2fs12666-023-03143-5&partnerID=40&md5=abf995bb1a14053750b48bf5f4d239b0
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Performance evaluation of an indigenously-designed high performance dynamic feeding robotic structure using advanced additive manufacturing techn	Parikh P., Institute of Design, Nirma University, Gujarat, Ahmedabad, India; Sharma A., Chitkara University Institute	Engineering Sciences	International Journal on Interactive Design a	2023	1955-2513	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173110445&doi=10.1007%2fs12008-023-01513-3&partnerID=40&md5=0c821df47161bdc857b7042f8b0aa430
Comparative Investigations on Detuning Estimator for Experimental RF Cavity	Keshwani R.T., Homi Bhabha National Institute, Mumbai, 400094, India, Bhabha Atomic Research Centre (BARC), M	Engineering Sciences; Ph	IEEE Transactions on Instrumentation and M	2023	0018-9456	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171584973&doi=10.1109%2fTIM.2023.3311075&partnerID=40&md5=d68718e8d00ad89620968a558e52571c
Understanding the sorption behavior of tri, tetra and hexavalent f cations on metal–organic framework (MOF), ZIF-67: experimental and theoretical inve	Mor J., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, India; Boda A., Chemical Engineering Div	Chemical Sciences	Separation Science and Technology (Philade	2023	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173102754&doi=10.1080%2f01496395.2023.2255740&partnerID=40&md5=225748dfc90124ff32723cd80566a7ee
Efficient Plutonium Extraction and Electrochemical Insights in a Hydrophobic Deep Eutectic Solvent for Radioactive Waste Management	Patil S.M., Fuel Chemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India, Homi Bhabh	Chemical Sciences	Journal of the Electrochemical Society	2023	0013-4651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177993677&doi=10.1149%2f1945-7111%2fad0adc&partnerID=40&md5=de14d6b0ec189930b5dd910a707786e4
Association of Cutibacterium acnes with human thyroid cancer	Trivedi V., Department of Medical Oncology, Tata Memorial Hospital, Maharashtra, Mumbai, India, Homi Bhabha N	Life Sciences; Medical an	Frontiers in Endocrinology	2023	1664-2392	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177680490&doi=10.3389%2ffendo.2023.1152514&partnerID=40&md5=76409c1abe4d44d1a96f4e1a21dba55f
Macrophage targeted polymeric curcumin nanoparticles limit intracellular survival of Mycobacterium tuberculosis through induction of autophagy and a	Gupta P.K., Tuberculosis Immunology and Immunoassay Development Section, Radiation Medicine Centre, Bhabha	Life Sciences	Frontiers in Immunology	2023	1664-3224	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168059762&doi=10.3389%2ffimmu.2023.1233630&partnerID=40&md5=65ac7bdf2c03017ce427e3f1314fb745
Parametric optimization of Sm(III) extraction from nitrate media by employing hollow fiber membrane using Taguchi analysis	Yadav K.K., Rare Earths Development Section, Material's Processing & Corrosion Engineering Division, Materials Gro	Chemical Sciences	Separation Science and Technology (Philade	2023	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161930161&doi=10.1080%2f01496395.2023.2224933&partnerID=40&md5=e03fa5cac782861a717506d5164ffbda
Nucleation kinetics of reactive crystallization of ammonium di-uranate	Paik S., Uranium Extraction Division, Bhabha Atomic Research Centre, Mumbai, Trombay, India, Homi Bhabhba Nati	Chemical Sciences; Engin	Indian Chemical Engineer	2023	0019-4506	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165288308&doi=10.1080%2f00194506.2023.2223605&partnerID=40&md5=ae7dabbcf50f6bf59cd7aad85ead0e18
Development of a New Ground Motion Model for a Peninsular Indian Rock Site	Akella R.K., Reactor Safety Division, Bhabha Atomic Research Centre, Mumbai, India; Agrawal M.K., Reactor Safety D	Engineering Sciences	Proceedings of Engineering and Technology	2023	2413-7146	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163928827&doi=10.46604%2fpeti.2023.10526&partnerID=40&md5=2be17174aad565202bb94952146a6295
Functionalized graphene-based material as a nanofiller for high-performance thin film composite seawater reverse osmosis membrane	Bhoje R.S., Department of Chemical Engineering, Institute of Chemical Technology Matunga, Mumbai, India; Ghosh	Chemical Sciences	Separation Science and Technology (Philade	2023	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168861773&doi=10.1080%2f01496395.2023.2248650&partnerID=40&md5=3e199b0073c0f3d55fa5c9864ed2307f
Developing N,N,N′,N′-tetra (2-ethylhexyl) diglycolamide encapsulated polymeric beads as promising rare earth extracting agents	Choudhury D., Rare Earths Development Section, Material's Processing & Corrosion Engineering Division, Materials	Chemical Sciences	Separation Science and Technology (Philade	2023	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161905371&doi=10.1080%2f01496395.2023.2224934&partnerID=40&md5=5749de522196fcc9a6d7c0126197a274
Release of an encrypted, highly potent ACE-inhibitory peptide by enzymatic hydrolysis of moth bean (Vigna aconitifolia) protein	Goyal N., Food Technology Division, Bhabha Atomic Research Centre, Mumbai, India; Hajare S.N., Food Technology	Life Sciences	Frontiers in Nutrition	2023	2296-861X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163216614&doi=10.3389%2ffnut.2023.1167259&partnerID=40&md5=b9d2751ef369590452ba4f2c329135b3
Room-Temperature Absorption of Carbon Dioxide on an Improved Soda Lime-Based Absorber	Ghuge N.S., Alkali Material & Metal Division, Bhabha Atomic Research Centre, Maharashtra, Mumbai, 85, India, Ho	Engineering Sciences	Industrial and Engineering Chemistry Resear	2023	0888-5885	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160791392&doi=10.1021%2facs.iecr.3c00121&partnerID=40&md5=110fe11ee57134e0efe6379548d624bf
Palladium-based membranes for potential application in bio-jet fuel production unit	Parashar R., Homi Bhabha National Institute, Bhabha Atomic Research Centre, Mumbai, India, Desalination & Meml	Chemical Sciences; Engin	Indian Chemical Engineer	2023	0019-4506	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165505722&doi=10.1080%2f00194506.2023.2232386&partnerID=40&md5=5079806ea18c5f78fd525ed929417bda
Sorption of ruthenium on aniline-siloxane composites	Ajith N., Analytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai, India; Dalvi A.A., Analytical Chemi	Chemical Sciences	Separation Science and Technology (Philade	2023	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164501394&doi=10.1080%2f01496395.2023.2232105&partnerID=40&md5=b109de942b2cc1c83233e9bf64efd294
Effect of Oxygen Ion Irradiation on Nb-1Zr-0.1C Alloy Characterized Using X-Ray Diffraction Line Profile Analysis	Dutta A., Variable Energy Cyclotron Centre, 1/AF Bidhannagar, Kolkata, 700064, India, Homi Bhabha National Institu	Engineering Sciences; Ph	Nuclear Science and Engineering	2023	0029-5639	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161486182&doi=10.1080%2f00295639.2023.2191580&partnerID=40&md5=cbf65abb92acd130ccbde87a113d094a
Decoding transport selectivity of ions in polymer membranes by In-situ impedance spectroscopy	Mani A.M., Chemical Sciences Department, Homi Bhabha National Institute, Mumbai, India, Radiochemistry Divisio	Chemical Sciences	Separation Science and Technology (Philade	2023	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161952027&doi=10.1080%2f01496395.2023.2219377&partnerID=40&md5=69a9ca574bd2be411cefced6db2eb5ee
Studies on hydrometallurgical recovery of rare earth elements as mixed fluoride compound from coal fly ash using environmentally friendly organic acid	Karan R., Homi Bhabha National Institute, Mumbai, India, Mineral Processing Division, Bhabha Atomic Research Cer	Chemical Sciences	Separation Science and Technology (Philade	2023	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162965679&doi=10.1080%2f01496395.2023.2227758&partnerID=40&md5=5e7f49b768ec3258bcfa12547282b794
Investigation of tribological and corrosion performance of electroplated hard chromium coating on 17-4 PH steel	Ghosh S.K., Materials Processing and Corrosion Engineering Division, Bhabha Atomic Research Centre, Maharashtra	Chemical Sciences	Surface Engineering	2023	0267-0844	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169313956&doi=10.1080%2f02670844.2023.2247862&partnerID=40&md5=9039c329f7b307bf2c7422023d3ba5c1
Extraction of Group Velocity Dispersion Curves of Surface Waves Using Continuous Wavelet Transform	Gupta P., Homi Bhabha National Institute, Mumbai, 400094, India; Mukhopadhyay S., Homi Bhabha National Institu	Engineering Sciences	IEEE Geoscience and Remote Sensing Letter	2023	1545-598X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163505318&doi=10.1109%2fLGRS.2023.3287470&partnerID=40&md5=47bf9118a0165b0f60338c2a3b8cdba6
COMPARATIVE ANALYSIS OF MORPHOLOGICAL AND STRUCTURAL CHANGES IN GAMMA AND ELECTRON BEAM IRRADIATED SUGARCANE BAGASSE	Kapoor K., Analytical Science Division, Shriram Institute for Industrial Research, 19 University Road, Delhi, 110007, I	Chemical Sciences	Cellulose Chemistry and Technology	2023	0576-9787	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160403930&doi=10.35812%2fCelluloseChemTechnol.2023.57.06&partnerID=40&md5=7150d6a345685110a9de84665ed56986
Concurrent influence of geological parameters on the integrated nano-pore structure and discretized pore families of the petroliferous Cambay shale as	Bal A., Experimental Rock Deformation Laboratory, Department of Earth Sciences, Indian Institute of Technology Ka	Physical Sciences	Frontiers in Earth Science	2023	2296-6463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166557785&doi=10.3389%2ffeart.2023.1157122&partnerID=40&md5=4cc2d165c93d81549d89d21af51b17a7
In-situ study of rules of nanostructure evolution, severe plastic deformations, and friction under high pressure	Lin F., Department of Aerospace Engineering, Iowa State University, Ames, IA, United States; Levitas V.I., Departme	Physical Sciences	Materials Research Letters	2023	2166-3831	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164769137&doi=10.1080%2f21663831.2023.2231983&partnerID=40&md5=c64c338aed74d3ce4f2f8a84d26b788a
Numerical Study of the Hydride Embrittlement in Zirconium Alloy using XFEM	Jha A., Department of Mechanical and Industrial Engineering, Indian Institute of Technology Roorkee, Roorkee, Indi	Engineering Sciences	International Journal of Structural Stability a	2023	0219-4554	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170691915&doi=10.1142%2fS0219455424400029&partnerID=40&md5=934db4e3468519b490f6d2a3d792f796
Composite Vanadium-Iron Metal Membrane for Hydrogen Recovery in Ammonia Production Unit	Parashar R., Homi Bhabha National Institute, Anushaktinagar, Mumbai, 400094, India, Desalination & Membrane Te	Chemical Sciences; Engin	Journal of Membrane Science and Research	2023	2476-5406	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161650699&doi=10.22079%2fJMSR.2022.549300.1534&partnerID=40&md5=d4211cd66a2f2e5550d30b2274c827e9
Separation of fluoride in the presence of large amounts of organic acids by ion chromatography	Arul Suganthi C., Department of Chemistry, Rani Anna Government College for Women, Tamil Nadu, Tirunelveli, Ind	Chemical Sciences	Separation Science and Technology (Philade	2023	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165633531&doi=10.1080%2f01496395.2023.2240494&partnerID=40&md5=1d9ef282fa321b0049fac75e2d8cc26d
Simultaneous determination of flouride, iodate and iodide by ion chromatography in caustic off-gas scrubber of nuclear recycle facilities by employing d	Das M.K., Radioanalytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai, India; Mishra V.G., Radioar	Chemical Sciences	Separation Science and Technology (Philade	2023	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161936201&doi=10.1080%2f01496395.2023.2222226&partnerID=40&md5=2456d770878b0b24bf2c2f2cadb72b78
Separation and determination of trace level terbium in gadolinium matrix by ion interaction chromatography	Mishra V.G., Radioanalytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai, India; Das M.K., Radioar	Chemical Sciences	Separation Science and Technology (Philade	2023	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162250435&doi=10.1080%2f01496395.2023.2227338&partnerID=40&md5=a248f29e8be0f3feafa6695bb2fa0efb
Selective extraction of zirconium from zirconium nitrate solution in a pulsed stirred column	Pandey G., Homi Bhabha National Institute, Mumbai, India, Chemical Engineering Division, Bhabha Atomic Research	Engineering Sciences	Separation Science and Technology (Philade	2023	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164480993&doi=10.1080%2f01496395.2023.2232102&partnerID=40&md5=651147fd64078d6e39046a006b61a692
Chemical and functional characteristics to detect sugar syrup adulteration in honey from different botanical origins	Brar D.S., Department of Food Engineering and Technology, Sant Longowal Institute of Engineering and Technology	Life Sciences	International Journal of Food Properties	2023	1094-2912	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162019370&doi=10.1080%2f10942912.2023.2218066&partnerID=40&md5=6f815c595645e468d69ea54c9b0be1b6
Label-free optical bio-sensing of non-cancerous and cancerous tissues from mice: Distinct spectroscopic features of thiazole orange	Gala R., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Gandhi V.V	Chemical Sciences	Sensors and Diagnostics	2023	2635-0998	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170685949&doi=10.1039%2fd2sd00154c&partnerID=40&md5=1de376918533a9847d3e56b60b2bac10
Magnetic properties and coupled spin-phonon behavior in quasi-one-dimensional screw-chain compound BaMn2 V2 O8	Pal A., Department of Physics, National Sun Yat-sen University, Kaohsiung, 804, Taiwan, Department of Physics, Indi	Physical Sciences	Physical Review Materials	2023	2475-9953	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146309819&doi=10.1103%2fPhysRevMaterials.7.014402&partnerID=40&md5=8a1dd0757963e4c85bd1ea00a69ac249
Effect of fluorescent dyes on the scintillation efficiency, improved light yield and radiation hardness of polystyrene-based plastic scintillator: a comparat	Alex L., Centre for Crystal Growth, Department of Physics, Sri Sivasubramaniya Nadar College of Engineering, Kalava	Physical Sciences	Radiation Effects and Defects in Solids	2023	1042-0150	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146246958&doi=10.1080%2f10420150.2022.2163488&partnerID=40&md5=a6f77e976e4c37c65d6d9a40e2550035
Highly Efficient Pertraction of Tetravalent Neptunium Ions Across a Flat Sheet Supported Liquid Membrane Containing Two Different Aza-Crown Ether-B	Mahanty B., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, India; Mohapatra P.K., Radiochemi	Chemical Sciences	Solvent Extraction and Ion Exchange	2023	0736-6299	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147281890&doi=10.1080%2f07366299.2022.2156798&partnerID=40&md5=2eb0a46db126113fb6ff4d2d5adb9d23
Exploring the effects of organic loading rate and domestic wastewater treatment by algal-bacterial granules under natural daylight conditions	Vincent F., Biofouling and Biofilm Processes Section, WSCD, Chemistry Group, Bhabha Atomic Research Centre, Kalp	Life Sciences	Water Environment Research	2023	1061-4303	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145964780&doi=10.1002%2fwer.10831&partnerID=40&md5=687472b0deff333c0b90b5dfa1ab81b7
Development of a single sphere neutron spectrometer using α-Al2O3:C based optically stimulated luminescence detectors	Tripathy S.P., Health Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Natio	Physical Sciences	Radiation Measurements	2023	1350-4487	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143727048&doi=10.1016%2fj.radmeas.2022.106892&partnerID=40&md5=7cd28dbbb31ab7d3ada86a9df8bd6546
Antioxidant and Anti-inflammatory Activities Mediate the Radioprotective Effect of Trianthema portulacastrum L. Extracts	Das U., Department of Biochemistry, College of Medicine and JNM Hospital, WBUHS, West Bengal, Kalyani, 741235,	Life Sciences	Natural Products Journal	2023	2210-3155	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153339624&doi=10.2174%2f2210315512666220627154721&partnerID=40&md5=07957d84ee25880a6426824ffd2bb781
Measurement of ϕ -meson production in Cu+Au collisions at sNN =200 GeV and U+ U collisions at sNN =193 GeV	Abdulameer N.J., Debrecen University, Egyetem tér 1, Debrecen, H-4010, Hungary; Acharya U., Georgia State Unive	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146354911&doi=10.1103%2fPhysRevC.107.014907&partnerID=40&md5=71d796f31f19e75ee4665783890429e3
Thiourea Mitigates Potassium Deficiency in Soybean Varieties Through Redox or ABA Dependent Mechanisms	Sahoo S.A., Department of Plant Molecular Biology and Biotechnology, Indira Gandhi Krishi Vishwavidyalaya, Raipur	Life Sciences	Journal of Plant Growth Regulation	2023	0721-7595	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153097586&doi=10.1007%2fs00344-023-10963-8&partnerID=40&md5=c4066ad57608729a81e5a95b7ed6062b
In-plane magnetic anisotropy and magnetization reversal in phase-separated (La0.5Pr0.5)0.625Ca0.375Mn O3 thin films	Singh S., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha Nation	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147194857&doi=10.1103%2fPhysRevB.107.024420&partnerID=40&md5=51cb336b9cadad5945f8e4d408a4323a
Evolution of static charge density wave order, amplitude mode dynamics, and suppression of Kohn anomalies at the hysteretic transition in EuTe4	Rathore R., Laser Plasma Division, Raja Ramanna Centre for Advanced Technology, MP, Indore, 452013, India, Homi	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146313124&doi=10.1103%2fPhysRevB.107.024101&partnerID=40&md5=8067d12262d2f5c911240ef50aa7026d
Thermal-Hydraulic Transient Analyses for Primary Coolant System of HFRR Using RELAP5	Veluri V.K., Bhabha Atomic Research Centre, Research Reactor Design & Projects Division, Trombay, Mumbai, India;	Engineering Sciences	Nuclear Technology	2023	0029-5450	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148246340&doi=10.1080%2f00295450.2022.2156245&partnerID=40&md5=4387a906b3921a294e0c81da4eda9243
Analysis of Ductile-to-Brittle Transition Characteristics of Reactor Pressure Vessel Steels	Gupta C., Bhabha Atomic Research Centre, Mechanical Metallurgy Division, Materials Group, Trombay, Mumbai, 40	Engineering Sciences	Nuclear Technology	2023	0029-5450	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147303948&doi=10.1080%2f00295450.2022.2143730&partnerID=40&md5=213b9c7108630fe0f2bf249bdcb25373
Composite of α-FeOOH and Mesoporous Carbon Derived from Indian Blackberry Seeds as Low-Cost and Recyclable Photocatalyst for Degradation of Cip	Dutta D.P., Chemistry Division, Bhabha Atomic Research Centre (BARC), Trombay, Maharashtra, Mumbai, 400085, I	Chemical Sciences	Catalysts	2023	2073-4344	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146639392&doi=10.3390%2fcatal13010191&partnerID=40&md5=9bf9cad97540e1a87e7fc63502dc18c4
Effect of hybrid immunity, school reopening, and the Omicron variant on the trajectory of the COVID-19 epidemic in India: a modelling study	Mozaffer F., The Institute of Mathematical Sciences, Chennai, India, Homi Bhabha National Institute, BARC Training	Life Sciences	The Lancet Regional Health - Southeast Asia	2023	2772-3682	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143603881&doi=10.1016%2fj.lansea.2022.100095&partnerID=40&md5=19e4ceaef0d4895cb6e869c45227ffb1
Isotope selective three-step photoionization of 174Yb	Suryanarayana M.V., Bhabha Atomic Research Centre, Andhra Pradesh, Visakhapatnam, India; Sankari M., Bhabha A	Physical Sciences	Journal of the Optical Society of America B:	2023	0740-3224	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145260109&doi=10.1364%2fJOSAB.476224&partnerID=40&md5=e89ab0019019db245c51c10cab4fd322
Curvature modulated structural and magnetic properties of CoO/Co thin films deposited onto 2-D nanosphere array	Tripathi J., Dept. of Physics, ISLE, IPS Academy, Indore, India; Kumar Y., Department of Physics, Manipal University J	Physical Sciences	Journal of Magnetism and Magnetic Materia	2023	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145563836&doi=10.1016%2fj.jmmm.2022.170179&partnerID=40&md5=93f133b92b3106a33bb548f957c21931
Extraction of Np(IV/VI) from nitric acid medium using three different tripodal diglycolamide ligands in ionic liquid: Batch extraction, spectroscopic and el	Gujar R.B., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Verma P.K., Radioche	Chemical Sciences	Journal of Molecular Liquids	2023	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145614960&doi=10.1016%2fj.molliq.2022.120922&partnerID=40&md5=b32f0406b3a2c2965304e90579dc66fa
Development of large size fast timing and radiation resistant PVT-based plastic scintillator detector	Alex L., Centre for Crystal Growth, Department of Physics, Sri Sivasubramaniya Nadar College of Engineering, Kalava	Physical Sciences	Journal of Materials Science: Materials in Ele	2023	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146274203&doi=10.1007%2fs10854-022-09577-9&partnerID=40&md5=c02ec4e179f4b80cee04a2bdaff4bfa5
A method for in situ visualization of Protein-Nascent RNA interactions in single cell using Proximity Ligation Assay (IPNR-PLA) in mammalian cells	Das R., Molecular Biology Division, Bhabha Atomic Research Centre, Mumbai, Trombay, India, Life Sciences, Homi B	Life Sciences	Transcription	2023	2154-1264	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150808083&doi=10.1080%2f21541264.2023.2190296&partnerID=40&md5=d62ce80c836b0b954c0c82838de6e14b
Impedance stabilization by trigger modulation in copper vapor laser	Singh D.K., Homi Bhabha National Institute, Anushaktinagar, Mumbai, India, Beam Technology Development Group	Engineering Sciences; Ph	Optical and Quantum Electronics	2023	0306-8919	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143653251&doi=10.1007%2fs11082-022-04369-1&partnerID=40&md5=bfc3d3976e736cd290ac51a84d8c7593
Corrosion behaviour of oxide film formed on carbon steel in high temperature alkaline water in the presence of zinc and magnesium ions	Suresh S., Water and Steam Chemistry Division, BARCF, Kalpakkam, India; Bera S., Water and Steam Chemistry Divis	Physical Sciences	Corrosion Engineering Science and Technolo	2023	1478-422X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159351528&doi=10.1080%2f1478422X.2023.2212456&partnerID=40&md5=1c36de23b3d4d324d8c708280afb5fd7
Characterization of horse gram mutants for yield, nutrient, and anti-nutrient factors	Sudhagar R., Sugarcane Research Station, Vellore, 635 806, India; Pushpayazhini V., Department of Genetics and Pla	Life Sciences	Journal of Environmental Biology	2023	0254-8704	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147163322&doi=10.22438%2fjeb%2f44%2f1%2fMRN-4045&partnerID=40&md5=769bd3eba50ede6ad841ee1466b92bde
Assessment of Biogrowth at Two Different Environments of Nuclear Power Plant Cooling Water System Located at Southern Coast of India	Ganesh S., Department of Chemistry, Scott Christian College, Manonmaniam Sundaranar University, Tirunelveli, Na	Life Sciences	Asian Journal of Chemistry	2023	0970-7077	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146441325&doi=10.14233%2fajchem.2023.23971&partnerID=40&md5=f29c3274a11c6468446b1cf5f4a00cea
Engineering ZnO with Cu doping to lower the transition pressure: Experimental and theoretical investigations	Sharma B.B., High Pressure and Synchrotron Radiation Physics Division, Bhabha Atomic Research Centre, Mumbai, 4	Physical Sciences	AIP Advances	2023	2158-3226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146640268&doi=10.1063%2f5.0132933&partnerID=40&md5=d9e4589535901f1d9657e5474c16b09d
Estimation of effective thermal conductivity and heat transfer coefficient of lithium orthosilicate pebble bed in carbon dioxide–air medium	Ghuge N.S., Alkali Material & Metal Division, Bhabha Atomic Research Centre, Trombay, India, Homi Bhabha Nation	Engineering Sciences	Experimental Heat Transfer	2023	0891-6152	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147590296&doi=10.1080%2f08916152.2023.2172090&partnerID=40&md5=361e9bad62472b0542e408f764264704
Interaction between oxidised state of quercetin and bovine serum albumin in presence of surfactant aggregates with different charges	Vigneshwari R., Department of Chemistry, Annamalai University, Tamil Nadu, Chidambaram, India; Anjali S., Depart	Chemical Sciences	Journal of Biomolecular Structure and Dynar	2023	0739-1102	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151068113&doi=10.1080%2f07391102.2023.2192792&partnerID=40&md5=91fda4a6a7d9d7b143149d19f2edbe8e
Hypoxia induces dichotomous and reversible attenuation of T cell responses through reactive oxygen species-dependent phenotype redistribution and d	Maurya D.K., Radiation Biology & Health Sciences Division, Bio-Science Group, Bhabha Atomic Research Centre, Mu	Life Sciences	Free Radical Research	2023	1071-5762	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150900298&doi=10.1080%2f10715762.2023.2178918&partnerID=40&md5=b68b8dd16c66c7a2acf75cb109bbbe3d
Induction of stable, room-temperature ferromagnetism in WO3 by doping with K, Li, and Na: Theoretical investigations	Chakraborty B., High Pressure and Synchrotron Radiation Physics Division, Bhabha Atomic Research Centre, Tromba	Physical Sciences	Journal of Magnetism and Magnetic Materia	2023	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144017314&doi=10.1016%2fj.jmmm.2022.170244&partnerID=40&md5=a94f7769ae9e47f3f5ec09876be0b2ba
Modifying interprotein interactions for controlling heat-induced protein gelation	Kumar S., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India, Homi Bhabha Natio	Physical Sciences	Physical Review Materials	2023	2475-9953	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147541451&doi=10.1103%2fPhysRevMaterials.7.015601&partnerID=40&md5=88d5b6b75cda7a6f2a23f32821685828
Experimental Evaluation of Two-Phase Heat Transfer Coefficient Under Oscillatory Flow Conditions and Correlation Development	Kumar R., Homi Bhabha National Institute, Anushakti Nagar, Maharashtra, Mumbai, 400094, India, Reactor Enginee	Engineering Sciences	Journal of Nuclear Engineering and Radiatio	2023	2332-8983	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144631548&doi=10.1115%2f1.4055090&partnerID=40&md5=82dd4356f4daeabd19d2c06aecbcc5f1
Optimisation of solids concentration in wet rod mill grinding of limestone ore through modelling and simulation	Serajuddin M., Mineral Processing Division, Materials Group, Bhabha Atomic Research Centre (BARC), AMD Comple	Engineering Sciences	International Journal of Mining and Mineral	2023	1754-890X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153673129&doi=10.1504%2fIJMME.2022.129521&partnerID=40&md5=ec9bc3334ff23e92b99bc867524307c3
Diffusion of Cs+ in compacted Na+/K+–saturated smectite-rich natural clay: role of clay microstructure	Kumar S., Radioanalytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabh	Chemical Sciences; Physi	Journal of Radioanalytical and Nuclear Chem	2023	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145176984&doi=10.1007%2fs10967-022-08709-z&partnerID=40&md5=fdd0d43eb4641efe57b65c8dcfa2c622
Carbon dioxide absorption in packed bed of lithium orthosilicate pebbles	Ghuge N.S., Alkali Material & Metal Division, Bhabha Atomic Research Centre, Mumbai, India, Homi Bhabha Nation	Engineering Sciences	Separation Science and Technology (Philade	2023	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145418410&doi=10.1080%2f01496395.2022.2161397&partnerID=40&md5=a905b7dd6ed93c9c0eed13e170c81a13
Use of modified Madou–Leblond model to predict crack initiation in low alloy steel specimens with different stress states	Kumar S., Homi Bhabha National Institute, Mumbai, 400 094, India, Reactor Safety Division, Bhabha Atomic Researc	Engineering Sciences	Engineering Fracture Mechanics	2023	0013-7944	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143850273&doi=10.1016%2fj.engfracmech.2022.108946&partnerID=40&md5=5bbe747258a574cddf73785949ccfd74
An ultrathin 2D NiCo-LDH nanosheet decorated NH2-UiO-66 MOF-nanocomposite with exceptional chemical stability for electrocatalytic water splitting	Sk S., Department of Energy & Environmental Engineering, CSIR-Indian Institute of Chemical Technology, Hyderabad	Physical Sciences	Journal of Materials Chemistry A	2023	2050-7488	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158049807&doi=10.1039%2fd3ta00836c&partnerID=40&md5=1a8b3ce8925c2d38090c6e2da60246d1
Separation and determination of boron, chlorine, fluorine and molybdenum in uranium silicide using pyrohydrolysis and ion chromatography	Mishra V.G., Radioanalytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Thakur U	Chemical Sciences	Journal of Radioanalytical and Nuclear Chem	2023	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144903087&doi=10.1007%2fs10967-022-08638-x&partnerID=40&md5=0f1fbc7fda15323dfe887588fd1b822b
A near infra-red emitting supramolecular dye-polymer assembly as promising platform for protamine sensing	Chakraborty G., Laser and Plasma Technology Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Ka	Chemical Sciences; Life S	Journal of Molecular Liquids	2023	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145558712&doi=10.1016%2fj.molliq.2022.120928&partnerID=40&md5=fab354bec15a436d6720b401682fd991
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Genome-wide analysis of bromodomain gene family in Arabidopsis and rice	Abiraami T.V., Molecular Biology Division, Bhabha Atomic Research Centre, Maharashtra, Mumbai, India; Sanyal R.P	Life Sciences	Frontiers in Plant Science	2023	1664-462X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150703850&doi=10.3389%2ffpls.2023.1120012&partnerID=40&md5=3cecd596f69a4a0067537a957f7f013f
Microstructural and mechanical property evolution of Ar9+ ion irradiated Zr-based alloys–effect of initial microstructure and alloying addition	Devi A., Homi Bhabha National Institute, Mumbai, India; Menon R., Variable Energy Cyclotron Centre, Kolkata, India	Chemical Sciences; Engin	Radiation Effects and Defects in Solids	2023	1042-0150	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146673105&doi=10.1080%2f10420150.2022.2163486&partnerID=40&md5=0c0d6ed33463606fc1e2406b9ce285e6
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Chemical characterization of automobile windshield glass samples by nuclear and radio-analytical techniques namely SEM-EDX, ED-XRF, PIXE, PIGE, and	Sharma V., Department of Nuclear and Radiochemistry, Kishinchand Chellaram College, Mumbai, 400020, India, Rad	Chemical Sciences	Journal of Analytical Atomic Spectrometry	2023	0267-9477	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159352142&doi=10.1039%2fd3ja00006k&partnerID=40&md5=72f2788d439b69ee26e602073c154e9e
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Recovery of Rare Earth Values from Micro-granite Type Hard Rocks Using Deep Eutectic Solvents	Karan R., Mineral Processing Division, Bhabha Atomic Research Centre, Begumpet, Hyderabad, 500016, India, Homi	Chemical Sciences	Transactions of the Indian Institute of Metal	2023	0972-2815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156088879&doi=10.1007%2fs12666-023-02946-w&partnerID=40&md5=f0364e4c5468c50782983faab1074c80
Thermodynamic stability and leaching behaviour of Ba and Th charge-coupled substituted monazite solid solution (La1-xBax/2Thx/2)PO4 (x = 0.1, 0.2 an	Rawat D., Product Development Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400085, India; Mishr	Chemical Sciences	Thermochimica Acta	2023	0040-6031	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143879951&doi=10.1016%2fj.tca.2022.179412&partnerID=40&md5=b9d622c51bf30d25b62f52236e0f8031
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Genome-wide identification of BONZAI (BON) genes in Glycine max L. and their regulated expression patterns under saline environment	Joshi S., Department of Biotechnology, Modern College of Arts, Science and Commerce (Savitribai Phule Pune Unive	Life Sciences	Current Plant Biology	2023	2214-6628	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147682055&doi=10.1016%2fj.cpb.2023.100273&partnerID=40&md5=d17ec236e3baea2214c12b4689f4652d
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FtsZ phosphorylation brings about growth arrest upon DNA damage in Deinococcus radiodurans	Chaudhary R., Molecular Biology Division, Bhabha Atomic Research Centre, Mumbai, India, Life Sciences, Homi Bhal	Life Sciences	FASEB BioAdvances	2023	2573-9832	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141352949&doi=10.1096%2ffba.2022-00082&partnerID=40&md5=4305a115bfb2f3786a318d5cf9422ed1
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Effect of Thermal Cycling on Fracture Toughness of Hydrided Zr–2.5Nb PT Material	Narayana Murty T., Mechanical Metallurgy Division, Bhabha Atomic Research Center, Trombay, Mumbai, 400085, I	Engineering Sciences	Transactions of the Indian Institute of Metal	2023	0972-2815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137844396&doi=10.1007%2fs12666-022-02752-w&partnerID=40&md5=29faf561e72dc7ace832d596af1806bb
Eutectoid phase transformation in U-Mo-X alloys	Rakesh R., Metallic Fuels Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bhabha National	Engineering Sciences	Journal of Nuclear Materials	2023	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141525663&doi=10.1016%2fj.jnucmat.2022.154113&partnerID=40&md5=aded681a780d4cb9bf27b8e2f52df24d
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DFT and MD investigations of the biomolecules of phenothiazine derivatives: interactions with gold and water molecules and investigations in search of	Al-Otaibi J.S., Department of Chemistry, College of Science, Princess Nourah bint Abdulrahman University, Riyadh, S	Physical Sciences	Journal of Biomolecular Structure and Dynar	2023	0739-1102	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85131805350&doi=10.1080%2f07391102.2022.2068649&partnerID=40&md5=bdb239cc2172813848d6d33b386e09ec
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Effects of elevated temperature steam oxidation and subsequent quenching on light water reactor clad	Singh A.R., Mechanical Engineering Department, Indian Institute of Technology Bombay, Mumbai, 400076, India; Pu	Engineering Sciences	Progress in Nuclear Energy	2023	0149-1970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143599065&doi=10.1016%2fj.pnucene.2022.104510&partnerID=40&md5=392adbf446eba5efd0e9219caba722bd
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Recovery and enrichment of acid from metallurgical wastewater model by electrodialysis integrated diffusion dialysis system using poly(ethylene) based	Upadhyay P., Council of Scientific and Industrial Research-Central Salt & Marine Chemicals Research Institute (CSIR-	Chemical Sciences	Separation and Purification Technology	2023	1383-5866	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140757640&doi=10.1016%2fj.seppur.2022.122353&partnerID=40&md5=6f11bbcf987a33ce6c9f4dcf5656b25b
pH tolerant metal ion controlled luminescence behaviour of supramolecular assembly and its application in bioimaging and supramolecular logic gate	Prasad N., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India, Homi Bha	Chemical Sciences	Journal of Molecular Liquids	2023	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143531716&doi=10.1016%2fj.molliq.2022.120834&partnerID=40&md5=973b435844e901ccc5c66167fe6d96e0
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Alpha-cadinol as a potential ACE-inhibitory volatile compound identified from Phaseolus vulgaris L. through in vitro and in silico analysis	Tripathi J., Food Technology Division, Bhabha Atomic Research Centre, Mumbai, India; Gupta S., Food Technology D	Life Sciences	Journal of Biomolecular Structure and Dynar	2023	0739-1102	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85128187442&doi=10.1080%2f07391102.2022.2057359&partnerID=40&md5=03dda0b7a5031ccfff8590438cf5ae68
Unified correlations for the prediction of the slip velocity, characteristic velocity, flooding throughput and flooding slip velocity in a pulsed disc and doug	Sinha V., Homi Bhabha National Institute, Bhabha Atomic Research Centre, Maharashtra, Trombay, Mumbai, India,	Engineering Sciences	Chemical Engineering Communications	2023	0098-6445	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121757382&doi=10.1080%2f00986445.2021.2009811&partnerID=40&md5=74f9e44e643eb779cd8515a88c370a61
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Crystal structure analysis of phycoerythrin from marine cyanobacterium Halomicronema	Patel S.N., P. D. Patel Institute of Applied Sciences, Charotar University of Science and Technology, Anand, India; So	Life Sciences	Journal of Biomolecular Structure and Dynar	2023	0739-1102	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129204053&doi=10.1080%2f07391102.2022.2055647&partnerID=40&md5=f41fb5694e8cea0a09337bc79c951522
Unbinding of hACE2 and inhibitors from the receptor binding domain of SARS-CoV-2 spike protein	Mishra L., Radiation Safety Systems Division, Bhabha Atomic Research Centre, Mumbai, India; Bandyopadhyay T., T	Chemical Sciences	Journal of Biomolecular Structure and Dynar	2023	0739-1102	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85126699334&doi=10.1080%2f07391102.2022.2046641&partnerID=40&md5=08779a5a762e8e85bbd00ef4bc5eeecf
Prediction of electron beam weld quality from weld bead surface using clustering and support vector regression	Jaypuria S., Indian Institute of Technology Kharagpur, India; Bondada V., Indian Institute of Technology Kharagpur, I	Engineering Sciences	Expert Systems with Applications	2023	0957-4174	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136617085&doi=10.1016%2fj.eswa.2022.118677&partnerID=40&md5=3509dc7ecc875e5653ae876d29afd8bd
Surfactant Assisted In Situ Synthesis of Nanofibrillated Cellulose/Polymethylsilsesquioxane Aerogel for Tuning Its Thermal Performance	Gupta P., Department of Polymer and Process Engineering, Indian Institute of Technology Roorkee, Saharanpur Can	Physical Sciences	Macromolecular Rapid Communications	2023	1022-1336	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140393268&doi=10.1002%2fmarc.202200628&partnerID=40&md5=4b27611db89a1f28e38b5cd03a3d79c8
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A comparative photophysical study on the structurally related coumarin 102 and coumarin 153 dyes	Sayed M., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Trombay, Mumbai, 400 085, India	Chemical Sciences	Journal of Photochemistry and Photobiology	2023	1010-6030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138549889&doi=10.1016%2fj.jphotochem.2022.114265&partnerID=40&md5=1ea18ce40591677ad19fb64c39a04a27
Development and validation of operational reactor physics code “ORPAC” for research reactors at Trombay	Kumar J., Reactor Physics and Nuclear Engineering Section, Research Reactor Services Division, Bhabha Atomic Rese	Physical Sciences	Radiation Physics and Chemistry	2023	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138481491&doi=10.1016%2fj.radphyschem.2022.110552&partnerID=40&md5=445bb51df4274b244ff8a5de712ec34b
A case study on seasonal and annual average indoor radon, thoron, and their progeny level in Kohima district, Nagaland, India	Jamir S., Department of Chemistry, Nagaland University, Lumami, India; Sahoo B.K., Radiological Physics and Adviso	Physical Sciences	Isotopes in Environmental and Health Studie	2023	1025-6016	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141438998&doi=10.1080%2f10256016.2022.2140147&partnerID=40&md5=8f67a430cdafdb25f3a7027f49426250
Discovery of high-pressure post-perovskite phase in HoCrO3	Mall A.K., Materials Science Programme, Indian Institute of Technology Kanpur, Kanpur, 208016, India, Department	Physical Sciences	Journal of Physics and Chemistry of Solids	2023	0022-3697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141298157&doi=10.1016%2fj.jpcs.2022.111078&partnerID=40&md5=bfa0419260ec35dafb87e14a0dc400f3
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Novel detection method to rapidly quantify toxic cucurbitacin in Lagenaria siceraria (bottle gourd)	Saurabh C.K., Food Technology Division, Bhabha Atomic Research Centre, Mumbai, 400 085, India; Ghosh S.K., Food	Life Sciences	Journal of Food Science and Technology	2023	0022-1155	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139191897&doi=10.1007%2fs13197-022-05600-3&partnerID=40&md5=57412ece78df72c23eb3df91adc63f1a
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pH assisted modulation in the binding affinity for BODIPY-benzimidazole conjugate with anionic cyclodextrin	Chakraborty G., Laser and Plasma Technology Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Ch	Chemical Sciences	Journal of Photochemistry and Photobiology	2023	1010-6030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138364721&doi=10.1016%2fj.jphotochem.2022.114266&partnerID=40&md5=9227625f35aa7107ad766c4c1e249ead
Detection of gamma radiation processed onion during storage using propidium iodide based fluorescence microscopy	Sharma T., Food Technology Division, Bhabha Atomic Research Centre, Homi Bhabha National Institute, Mumbai, 40	Life Sciences	Food Chemistry	2023	0308-8146	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136614930&doi=10.1016%2fj.foodchem.2022.133928&partnerID=40&md5=a4f2504bb1cb0703fde7c53f01a0b234
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Highly selective carrier mediated transport of plutonium(IV) across a supported liquid membrane using two substituted tripodal amides	Karak A., INRPO, FF, Nuclear Recycle Board, Bhabha Atomic Research Centre, Tarapur, India, Homi Bhabha National	Chemical Sciences	Separation Science and Technology (Philade	2023	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141102973&doi=10.1080%2f01496395.2022.2119411&partnerID=40&md5=42b5d9190bfd7c4f24561edc9e54f9c1
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Dirac-Born-Infeld counter-term and black hole thermodynamics	Jatkar D.P., Harish-Chandra Research Institute, Chhatnag Road, Jhunsi, Allahabad, 211019, India, Homi Bhabha Nati	Physical Sciences	Progress of Theoretical and Experimental Ph	2023	2050-3911	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168705702&doi=10.1093%2fptep%2fptad094&partnerID=40&md5=f66d751ba4f6caba9293e60331bc6cd7
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Pressure-Driven Band Gap Narrowing in Rb2AgPdCl5: Toward the Shockley-Queisser Limit of Lead-free Double Perovskites	Mir S.H., Materials Theory for Energy Scavenging (MATES) Lab, A CI of Homi Bhabha National Institute (HBNI), Haris	Physical Sciences	Journal of Physical Chemistry C	2023	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174732578&doi=10.1021%2facs.jpcc.3c03515&partnerID=40&md5=e32a46f8a5beef1f4ec6ef247a39af61
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Reconstruction of interactions in the ProtoDUNE-SP detector with Pandora	Abud A.A., CERN, The European Organization for Nuclear Research, Meyrin, 1211, Switzerland, University of Liverpo	Physical Sciences	European Physical Journal C	2023	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165264169&doi=10.1140%2fepjc%2fs10052-023-11733-2&partnerID=40&md5=b22642784335e4c7a1e46187f7a022a7
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A Universal Strategy of Perovskite Ink - Substrate Interaction to Overcome the Poor Wettability of a Self-Assembled Monolayer for Reproducible Perovsl	Kulkarni A., Helmholtz Young Investigator Group FRONTRUNNER, IEK5-Photovoltaik, Forschungszentrum Jülich, Wil	Physical Sciences	Advanced Functional Materials	2023	1616-301X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169622173&doi=10.1002%2fadfm.202305812&partnerID=40&md5=e9d30d3033d07b6b2f9efa3329cef06c
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Extraction of product and higher moment weak values: Applications in quantum state reconstruction and entanglement detection	Sahil, Optics and Quantum Information Group, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chen	Physical Sciences	Physics Letters, Section A: General, Atomic a	2023	0375-9601	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165638832&doi=10.1016%2fj.physleta.2023.128977&partnerID=40&md5=8c3e40beeda84f69dc545d99fa67bbac
Distinguishing nonstandard scalar and fermionic charged particles at a future e+e- collider	Barik A.K., Regional Centre for Accelerator-based Particle Physics, Harish-Chandra Research Institute, A CI of Homi B	Physical Sciences	Physical Review D	2023	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148417308&doi=10.1103%2fPhysRevD.107.035002&partnerID=40&md5=c8725bf57563848ac15de40caa707990
Unveiling and understanding the remarkable enhancement in the catalytic activity by the defect creation in UIO-66 during the catalytic transfer hydrode	Kar A.K., Catalysis Research Laboratory, Department of Chemistry, Indian Institute of Technology, Ropar, Rupnagar,	Physical Sciences	Applied Catalysis B: Environmental	2023	0926-3373	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146480396&doi=10.1016%2fj.apcatb.2023.122385&partnerID=40&md5=b02d78c85b8aff25f7408a5c33787c23
Combining π-Conjugation and Cation−π Interaction for Water-Stable and Photoconductive One-Dimensional Hybrid Lead Bromide	Sheikh T., Department of Chemistry, Indian Institute of Science Education and Research (IISER), Pune, 411008, India	Physical Sciences	Journal of Physical Chemistry Letters	2023	1948-7185	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148366427&doi=10.1021%2facs.jpclett.2c03861&partnerID=40&md5=f395cbaf8fde42332b5357c86dbdfdde
Hunting ewinos and a light scalar of Z 3-NMSSM with a bino-like dark matter in top squark decays at the LHC	Datta A.K., Harish-Chandra Research Institute, A CI of Homi Bhabha National Institute, Chhatnag Road, Jhunsi, Praya	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176931004&doi=10.1007%2fJHEP11%282023%29081&partnerID=40&md5=fe8a7139ad3de5d14a0b3a1177b579cb
CsPbCl3 → CsPbI3 Exchange in Perovskite Nanocrystals Proceeds through a Jump-the-Gap Reaction Mechanism	Livakas N., Nanochemistry, Istituto Italiano di Tecnologia, Via Morego 30, Genova, 16163, Italy, Dipartimento di Chi	Physical Sciences	Journal of the American Chemical Society	2023	0002-7863	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171901596&doi=10.1021%2fjacs.3c06214&partnerID=40&md5=c021d9688dc383b92e2e37a76af22bda
Impact of cross-section uncertainties on supernova neutrino spectral parameter fitting in the Deep Underground Neutrino Experiment	Abed Abud A., CERN, The European Organization for Nuclear Research, Meyrin, 1211, Switzerland; Abi B., University	Physical Sciences	Physical Review D	2023	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164022337&doi=10.1103%2fPhysRevD.107.112012&partnerID=40&md5=7e3a4423b3b5b5e4fada2bd51c2559db
Correlation between resource-generating powers of quantum gates	Bhattacharyya A., Harish-Chandra Research Institute, A CI of Homi Bhabha National Institute, Chhatnag Road, Jhuns	Physical Sciences	Physical Review A	2023	2469-9926	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149643675&doi=10.1103%2fPhysRevA.107.032406&partnerID=40&md5=93304aec98e622b62354d68fe65b29c0
Separability and entanglement in superpositions of quantum states	Halder S., Harish-Chandra Research Institute, A CI of Homi Bhabha National Institute, Chhatnag Road, Jhunsi, Allaha	Physical Sciences	Physical Review A	2023	2469-9926	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148334388&doi=10.1103%2fPhysRevA.107.022413&partnerID=40&md5=e705afcbf2838dff0617a259aa6ab34a
Zinc-Substituted Cobalt Phosphate [ZnCo2(PO4)2] as a Bifunctional Electrocatalyst	Singh D., Faraday Materials Laboratory (FaMaL), Materials Research Centre, Indian Institute of Science, Bangalore, 5	Physical Sciences	Inorganic Chemistry	2023	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166407587&doi=10.1021%2facs.inorgchem.3c01367&partnerID=40&md5=aa0ccdeb45a5f29a57a1031d6371fb03
A class of irreducible modules for loop-Virasoro algebras	Chakraborty P., Harish-Chandra Research Institute, A CI of Homi Bhabha National Institute, Chhatnag Road, Jhunsi, I	Mathematical Sciences	Journal of Algebra and its Applications	2023	0219-4988	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129402806&doi=10.1142%2fS0219498823501566&partnerID=40&md5=291a5ec94304b04e397c320a89ff7d46
From the single-atom limit to the mixed-metal phase: finding the optimum condition for activating the basal plane of a FePSe3 monolayer towards HER	Megha N., Harish-Chandra Research Institute, HBNI, Chhatnag Road, Jhunsi, Prayagraj, 211019, India; Sen P., Harish	Physical Sciences	Physical Chemistry Chemical Physics	2023	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163817267&doi=10.1039%2fd3cp01317k&partnerID=40&md5=d4d018d7c08df3e49e4f0cf56a59ac9c
Exclusion principle for nonlocal advantage of quantum coherence	Ghosh P., Harish-Chandra Research Institute, A Ci of Homi Bhabha National Institute, Chhatnag Road, Jhunsi, Prayag	Physical Sciences	Physical Review A	2023	2469-9926	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167870058&doi=10.1103%2fPhysRevA.108.022410&partnerID=40&md5=54322a0a043e2ff6d749786959a125f2
Young’s Inequality for the Twisted Convolution	Ratnakumar P.K., Harish-Chandra Research Institute, A CI of Homi Bhabha National Institute, Prayagraj, 211019, Ind	Mathematical Sciences	Journal of Fourier Analysis and Applications	2023	1069-5869	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175729098&doi=10.1007%2fs00041-023-10051-1&partnerID=40&md5=d4823e3a2978a1b72dca22bba794434d
α -attractor inflation: Models and predictions	Bhattacharya S., Dipartimento di Fisica e Astronomia G. Galilei, Università Degli Studi di Padova, Via Marzolo 8, Pad	Physical Sciences	Physical Review D	2023	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161127660&doi=10.1103%2fPhysRevD.107.103530&partnerID=40&md5=cb7ef4aca027c163ac2680592e60fb19
Uncertainty relations in pre- and postselected systems	Sahil, Optics and Quantum Information Group, The Institute of Mathematical Sciences, CIT Campus, Taramani, Chen	Physical Sciences	Physical Review A	2023	2469-9926	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172999005&doi=10.1103%2fPhysRevA.108.032206&partnerID=40&md5=fc822ef16dd7cacb1f4b5270aa22b26e
Measurement-device-independent nonlinear entanglement witnesses	Sen K., Harish-Chandra Research Institute, A CI of Homi Bhabha National Institute, Chhatnag Road, Jhunsi, Allahaba	Physical Sciences	Journal of Physics A: Mathematical and Theo	2023	1751-8113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165720534&doi=10.1088%2f1751-8121%2face4a5&partnerID=40&md5=dd187bff8d55596440824b2b7d71db72
Moduli of parabolic sheaves and filtered Kronecker modules	Amrutiya S., Department of Mathematics, IIT Gandhinagar, Gandhinagar, India; Dubey U.V., Harish-Chandra Resear	Mathematical Sciences	Kyoto Journal of Mathematics	2023	2156-2261	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160932763&doi=10.1215%2f21562261-10428418&partnerID=40&md5=255417b4436d9de9fbb00fbea92d703f
Spread and asymmetry of typical quantum coherence and their inhibition in response to glassy disorder	Biswas G., Department of Physics, National Institute of Technology Sikkim, South Sikkim, Ravangla, 737 139, India; S	Physical Sciences	New Journal of Physics	2023	1367-2630	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169298390&doi=10.1088%2f1367-2630%2faced1e&partnerID=40&md5=18639ef0e98e6e592865294abf09fcac
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A formal model of Coleman families and applications to Iwasawa invariants	Nuccio Mortarino Majno di Capriglio F.A.E., Université Jean Monnet Saint-Étienne, CNRS, Institut Camille Jordan UM	Mathematical Sciences	Annales Mathematiques du Quebec	2023	2195-4755	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164138585&doi=10.1007%2fs40316-023-00217-0&partnerID=40&md5=76a6a1d6bb3afa9953ded783f440bc4f
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Structure and dynamics of 38-atom Ag-Pt nanoalloys using ANN based-interatomic potential	Ojha A., Department of Chemistry, Indian Institute of Technology Indore, Simrol, Indore, 453552, India; Megha, Har	Physical Sciences	Computational and Theoretical Chemistry	2023	2210-271X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144465541&doi=10.1016%2fj.comptc.2022.113985&partnerID=40&md5=57fb13f5bdd5ae68d2dcc3bc8a8e1167
Joint statistics of cosmological constant and SUSY breaking in flux vacua with nilpotent Goldstino	Cicoli M., Dipartimento di Fisica e Astronomia, Università di Bologna, via Irnerio 46, Bologna, 40126, Italy, INFN, Sez	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145741843&doi=10.1007%2fJHEP01%282023%29013&partnerID=40&md5=495307a4b22436efa2786f9155b78042
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Tensor weight structures and t-structures on the derived categories of schemes; [Structures de poids tensorielles et t-structures sur les catégories dérive	Dubey U.V., Harish-Chandra Research Institute, A CI of Homi Bhabha National Institute, Chhatnag Road, Jhunsi, Pray	Mathematical Sciences	Comptes Rendus Mathematique	2023	1631-073X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167996960&doi=10.5802%2fcrmath.450&partnerID=40&md5=491e7a79edc756c06f3afa78d02c1778
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Effect of cyclic waveforms on cavitation propensity of P91 steel weld joint at 873 K	Vaishali P., Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, A Cl of Homi Bhabha Natio	Engineering Sciences	Journal of Materials Science	2023	0022-2461	https://www.scopus.com/inward/record.url?eid=2-s2.0-85174583320&doi=10.1007%2fs10853-023-09002-4&partnerID=40&md5=f02f722c0db2b2c7c62383af2f73cc93
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Studies on the acidification of carbonate waste stream for separation of di-butyl phosphate and recovery of metal	Mishra S., Reprocessing Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India; Pankaj, Repro	Chemical Sciences	Radiochimica Acta	2023	0033-8230	https://www.scopus.com/inward/record.url?eid=2-s2.0-85178286053&doi=10.1515%2fract-2023-0196&partnerID=40&md5=88128712f9ae7135a9bf73535983eafd
Thermoluminescence properties of quartz a natural dosimeter from beach sand	Kumar A.A., Department of Physics, Manonmaniam Sundaranar University, Tamilnadu, Abishekapatti, Tirunelveli, G	Physical Sciences	Journal of Radioanalytical and Nuclear Chem	2023	0236-5731	https://www.scopus.com/inward/record.url?eid=2-s2.0-85168590012&doi=10.1007%2fs10967-023-09107-9&partnerID=40&md5=86be66b741531936fa86c7abba4171bd
Weldability study of 304HCu stainless steel using varestraint and "Gleeble" based hot ductility tests	Divya M., Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India; Prasanthi T.N., Indira Gandhi Centre	Engineering Sciences	Materials Today Communications	2023	2352-4928	https://www.scopus.com/inward/record.url?eid=2-s2.0-85168809468&doi=10.1016%2fj.mtcomm.2023.106938&partnerID=40&md5=876bc353b268b4a49c6359ab73f37f90
Vertical graphene nanosheets as interface current-collector for enhanced charge-storage kinetics of bimetallic MOF nano-rods and asymmetric solid-sta	Sahoo G., Department of Chemical Engineering, Chungbuk National University, Chungbuk, Cheongju, 28644, South	Physical Sciences	Journal of Energy Storage	2023	2352-152X	https://www.scopus.com/inward/record.url?eid=2-s2.0-85160418013&doi=10.1016%2fj.est.2023.107824&partnerID=40&md5=ae5c2cf7bebc657b0061a1c676a344eae3
Planktonic and early-stage biofilm microbiota respond contrastingly to thermal discharge-created seawater warming	Sushmitha T.J., Department of Biotechnology, Alagappa University, Tamil Nadu, Karaikudi, India; Rajeev M., Depart	Life Sciences	Ecotoxicology and Environmental Safety	2023	0147-6513	https://www.scopus.com/inward/record.url?eid=2-s2.0-85171801087&doi=10.1016%2fj.ecoenv.2023.115433&partnerID=40&md5=e3eda475b4031c5f0d8799a6549756
Influence of thermomechanical processing and tempering temperature on tensile flow and work hardening behaviour of India specific reduced activatio	Kumar P.A., Department of Metallurgical and Materials Engineering, National Institute of Technology Warangal, Tel	Engineering Sciences	Materials Science and Engineering: A	2023	0921-5093	https://www.scopus.com/inward/record.url?eid=2-s2.0-85171441894&doi=10.1016%2fj.msea.2023.145701&partnerID=40&md5=f1be00871a21f2523ddf5e4a2a1b014d
Pyrohydrolytic separation of fluoride and chloride in U–Zr and U–Pu–Zr metallic fuel alloys through oxidation accompanied by estimation using ion chro	Bootharajan M., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamil	Chemical Sciences	Journal of Radioanalytical and Nuclear Chem	2023	0236-5731	https://www.scopus.com/inward/record.url?eid=2-s2.0-85171780896&doi=10.1007%2fs10967-023-09156-0&partnerID=40&md5=70ad83b8e859c3989648c1aed8de41f3
Investigation of dilute ferromagnetism induced at room temperature in undoped crystalline AlN thin film after isothermal annealing in a controlled oxyg	Nath D., UGC-DAE Consortium for Scientific Research, Kalpakkam Node, Kokilamedu, 603104, India, University of M	Physical Sciences	Journal of Alloys and Compounds	2023	0925-8388	https://www.scopus.com/inward/record.url?eid=2-s2.0-85168831912&doi=10.1016%2fj.jallcom.2023.171727&partnerID=40&md5=72c9d0a3091f430f8d763b52014522c1
Interfacial interaction driven enhancement in the colossal magnetoresistance property of ultra-thin heterostructure of Pr0.65r0.4MnO3 in proximity wit	Gayathri V., Materials Science Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India, Homi B	Physical Sciences	Scientific Reports	2023	2045-2322	https://www.scopus.com/inward/record.url?eid=2-s2.0-85147786150&doi=10.1038%2fs41598-023-28314-8&partnerID=40&md5=5117d817487d5330707d728ffe777c55
A simulation study on the dependence of the recirculation effect of land–sea breeze flows on atmospheric dispersion of airborne releases in Southeast coast of India	Reddy B.R., Homi Bhabha National Institute, Mumbai, 400094, India; Srinivas C.V., Homi Bhabha National Institute	Physical Sciences	Meteorology and Atmospheric Physics	2023	0177-7971	https://www.scopus.com/inward/record.url?eid=2-s2.0-85160923824&doi=10.1007%2s00703-023-00983-0&partnerID=40&md5=a37defe67ad28862dcd67c3610fc81ee
Microstructures and Creep Properties of Type 316LN Stainless Steel Weld Joints	Pavan A.R., Materials Development and Technology Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu,	Engineering Sciences	Metallurgical and Materials Transactions A:	2023	1073-5623	https://www.scopus.com/inward/record.url?eid=2-s2.0-85173010372&doi=10.1007%2fs11661-023-07208-4&partnerID=40&md5=35dcd71cb8060a52af8d20d8ba83ba84
Effect of reverse voltage on alpha spectra of pre-conditioned Si PIN diodes deployed in vacuum/ambient environment	Karrevula V.R., Materials Science Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 60310	Physical Sciences	Nuclear Instruments and Methods in Physic	2023	0168-9002	https://www.scopus.com/inward/record.url?eid=2-s2.0-85171617920&doi=10.1016%2fj.nima.2023.168668&partnerID=40&md5=3df88acf615ee8289ce1321f947225c8
Effect of 10B enrichment on the thermal expansion of boron carbide	Tripathy H., Physical Metallurgy Division, Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Resear	Engineering Sciences; Ph	Materials Today Communications	2023	2352-4928	https://www.scopus.com/inward/record.url?eid=2-s2.0-85174677825&doi=10.1016%2fj.mtcomm.2023.107347&partnerID=40&md5=f52f6ff0ad172ee1647988326af79f70e
Experimental Study and Numerical Simulation of Y2O3 Coatings Deposited by Plasma Spraying at Different Torch Powers	Madhura B., Corrosion Science and Technology Division, Metallurgy and Materials Group, Indira Gandhi Centre for	Chemical Sciences	Journal of Thermal Spray Technology	2023	1059-9630	https://www.scopus.com/inward/record.url?eid=2-s2.0-85171574397&doi=10.1007%2fs11666-023-01653-8&partnerID=40&md5=fbccce7e79a354a2a3cf4bf128439cba
Effect of additive (Zr) and dopants (Pd & Sb) on the depth of migration of lighter lanthanides (Nd & Ce) from U-bearing metal alloys into T91 steel	Janardhanan N., Indira Gandhi Centre for Atomic Research (IGCAR), Homi Bhabha National Institute, Kalpakkam, 60	Chemical Sciences	Journal of Nuclear Materials	2023	0022-3115	https://www.scopus.com/inward/record.url?eid=2-s2.0-85161552245&doi=10.1016%2fj.jnucmat.2023.154562&partnerID=40&md5=6ca86058eb9c604a4d188e9bb4fb820b
Resolving isobaric interference in the determination of Nd isotopes using laser ionisation mass spectrometry towards atom percent fission measurement	Janardhanan N., Homi Bhabha National Institute, Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam, 60	Chemical Sciences	Journal of Analytical Atomic Spectrometry	2023	0267-9477	https://www.scopus.com/inward/record.url?eid=2-s2.0-85174296073&doi=10.1039%2fd3ja00102h&partnerID=40&md5=fcf599d9b15aae491b9186b739b569f56
Response of Photonic Hydrogels of Homogeneous Particles to Uranyl Ions in Aqueous Solutions	Joshi R.G., Materials Science Group, Indira Gandhi Centre for Atomic Research, A Cl of Homi Bhabha National Insti	Physical Sciences	Photonic Sensors	2023	1674-9251	https://www.scopus.com/inward/record.url?eid=2-s2.0-85172379848&doi=10.1007%2fs13320-023-0695-8&partnerID=40&md5=2e48ace33d21455affa3a0040ebad2dc
Treatment of laboratory generated radioactive organic liquid waste using a novel ionic liquid based resin: A feasibility study	Rout A., Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603	Chemical Sciences	Journal of Molecular Liquids	2023	0167-7322	https://www.scopus.com/inward/record.url?eid=2-s2.0-85171626369&doi=10.1016%2fj.molliq.2023.123079&partnerID=40&md5=367f15cd61e08727437779a9c5a29e7
Studies on Preparation of Thorium-Based Intermetallics in CaCl2 Melt by Electrochemical De-Oxidation Process	Mukherjee A., Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 603102, India, Homi Bhabha Nati	Chemical Sciences	Journal of the Electrochemical Society	2023	0013-4651	https://www.scopus.com/inward/record.url?eid=2-s2.0-85173697020&doi=10.1149%2f1945-7111%2fad02c2&partnerID=40&md5=a00d8ca12209d984fc92218abb7bf8d3
Elucidating Phase Transitions and the Genesis of Broadband Emission in MA1-xFAxPbBr3 Perovskites	Kalita D., Materials Chemistry Department, CSIR-Institute of Minerals and Materials Technology, Bhubaneswar, 751	Physical Sciences	Journal of Physical Chemistry C	2023	1932-7447	https://www.scopus.com/inward/record.url?eid=2-s2.0-85179604330&doi=10.1021%2facs.jpcc.3c05705&partnerID=40&md5=14b3bf0faf00dc23a06232c4834be483
Characterizing MRO in atomistic models of vitreous SiO2 generated using ab-initio molecular dynamics	Jena S.S., Materials Science Group, Homi Bhabha National Institute, Indira Gandhi Centre for Atomic Research, Kalp	Physical Sciences	Applied Physics A: Materials Science and Pro	2023	0947-8396	https://www.scopus.com/inward/record.url?eid=2-s2.0-85173613859&doi=10.1007%2fs00339-023-07020-2&partnerID=40&md5=a17446a94b9f1fa4c85292718d7cb4b1
Generation of allowable stress for indigenously developed 304HCu Stainless steel	Ganesh Kumar J., Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102,	Engineering Sciences	International Journal of Pressure Vessels an	2023	0308-0161	https://www.scopus.com/inward/record.url?eid=2-s2.0-85164225158&doi=10.1016%2fj.ijpvp.2023.105015&partnerID=40&md5=64a0d5537cb25a17ae10da1317ddb7bb
Oxidation behavior of Ni-base superalloy 617 in simulated Advanced Ultra Supercritical (AUSC) steam	Gitule B., Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology Bombay, N	Chemical Sciences	Corrosion Science	2023	0010-938X	https://www.scopus.com/inward/record.url?eid=2-s2.0-85170538095&doi=10.1016%2fj.corsci.2023.111503&partnerID=40&md5=d42726fa47201819fa22a71899214022
A study on the competition and synergy between irradiation and temperature on the texture and recrystallization of nanocrystalline nickel	Julie S., Indira Gandhi Centre for Atomic Research, A Cl of Homi Bhabha National Institute (HBNI), Tamil Nadu, Kalpa	Engineering Sciences; Ph	Applied Surface Science	2023	0169-4332	https://www.scopus.com/inward/record.url?eid=2-s2.0-85165899551&doi=10.1016%2fj.apsusc.2023.158085&partnerID=40&md5=e3b959a24365c01fd1cace2d270d8c8b
Solubility of di-cyclohexyl hydrogen phosphonate in supercritical carbon dioxide medium: Application towards the recovery of uranium from aqueous so	Rajani P., Homi Bhabha National Institute (HBNI), Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, In	Chemical Sciences	Journal of Molecular Liquids	2023	0167-7322	https://www.scopus.com/inward/record.url?eid=2-s2.0-85171435194&doi=10.1016%2fj.molliq.2023.123054&partnerID=40&md5=758e0c5aa7220e177471ffb4b7509850
A finite volume method based multi-group neutron diffusion model for space-time nuclear reactor kinetics problems in RZ geometry	Rao R.K., Indira Gandhi Centre for Atomic Research, A Cl of Homi Bhabha National Institute, Tamilnadu, Kalpakkam,	Engineering Sciences	Nuclear and Particle Physics Proceedings	2023	2405-6014	https://www.scopus.com/inward/record.url?eid=2-s2.0-85172792363&doi=10.1016%2fj.nuclphysbps.2023.09.012&partnerID=40&md5=b2debd60b7e796613d2ffcb8e4f59a259e
Hydrogen Adsorption Behavior of Highly Stable Assorted Functionalized UiO-66-MOFs at Low Pressures: A Combined Experimental and DFT Study	Vaddanam V.S., Training School Complex, Homi Bhabha National Institute, Anushaktinagar, Mumbai, 400094, India,	Chemical Sciences	Journal of Physical Chemistry C	2023	1932-7447	https://www.scopus.com/inward/record.url?eid=2-s2.0-85171770088&doi=10.1021%2facs.jpcc.3c03151&partnerID=40&md5=8e1b9dd61c0a3a70a9d06fb0089512c2
Analysis of coupled two-phase natural circulation loops by developing HEM and DFM based numerical models	Adinarayana K.N.V., Homi Bhabha National Institute (HBNI), Training School Complex, Anushaktinagar, Mumbai, 40	Engineering Sciences	International Journal of Thermal Sciences	2023	1290-0729	https://www.scopus.com/inward/record.url?eid=2-s2.0-85171530315&doi=10.1016%2fj.ijthermalsci.2023.108584&partnerID=40&md5=afca654e65c5a12b7e020a88af4f59b4
Piezoelectric response of InN nanostructures grown on c-Al2O3 and Si substrates: Role of oxygen incorporation in improved piezoresponse	Madapu K.K., Surface and Sensors Studies Division, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102,	Physical Sciences	Materials Research Bulletin	2023	0025-5408	https://www.scopus.com/inward/record.url?eid=2-s2.0-85160212576&doi=10.1016%2fj.materresbull.2023.112367&partnerID=40&md5=a35981b81a36382b06b28d01144d9e3a
Dissociation behavior of ruthenium in tri-n-butyl phosphate functionalized multi walled carbon nanotubes	Mohanty B.N., Health Biodosimetry Section, Radiation Safety Systems Division, Indira Gandhi Centre for Atomic Re	Chemical Sciences	Diamond and Related Materials	2023	0925-9635	https://www.scopus.com/inward/record.url?eid=2-s2.0-85165001236&doi=10.1016%2fj.diamond.2023.110338&partnerID=40&md5=a2f70b5320e34a7b0b5329463131
Integrity Assessment of 10Cr Ferritic Steel/Alloy 617M Dissimilar Metal Weld Joint under Creep Condition	Sakthivel T., Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 6	Engineering Sciences	Journal of Materials Engineering and Perfor	2023	1059-9495	https://www.scopus.com/inward/record.url?eid=2-s2.0-85146567815&doi=10.1007%2fs11665-023-07802-y&partnerID=40&md5=c4ba83130b7df66b91e06259497e317b
Microstructural Characterization of Novel ZrO2 Dispersion-Strengthened 9Cr Steel by Spark Plasma Sintering	Raghavendra K.G., Department of Physics, Manipal Institute of Technology, Manipal Academy of Higher Education,	Physical Sciences	Journal of Materials Engineering and Perfor	2023	1059-9495	https://www.scopus.com/inward/record.url?eid=2-s2.0-85158093454&doi=10.1007%2fs11665-023-08244-2&partnerID=40&md5=699ddda10a5568daefe7a035dbd2c0f5
Thermo-physical properties and microstructural characteristics of U-x2r (x = 40.5, 52 & 75 wt%) alloys	Mollah M.M.R., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamil	Chemical Sciences	Journal of Alloys and Compounds	2023	0925-8388	https://www.scopus.com/inward/record.url?eid=2-s2.0-85165996301&doi=10.1016%2fj.jallcom.2023.171443&partnerID=40&md5=0173714a5876d89e66d9d7125ce289ff
Understanding the correlation between extraction and luminescence behavior of Eu(iii) in a biphasic system in the presence of Co-extracting metal ions	Rout A., Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalp	Chemical Sciences	New Journal of Chemistry	2023	1144-0546	https://www.scopus.com/inward/record.url?eid=2-s2.0-85175524729&doi=10.1039%2fd3nj03528j&partnerID=40&md5=dc0621a5ace70724ebb7218e06165372
Electrochemical Preparation of ZrFe2 and ZrFe1.8Ni0.2 Intermetallic Compounds by FFC Cambridge Process	Khan M.S., Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 603102, India, Homi Bhabha Natio	Chemical Sciences	Journal of the Electrochemical Society	2023	0013-4651	https://www.scopus.com/inward/record.url?eid=2-s2.0-85173576825&doi=10.1149%2f1945-7111%2facf8fc&partnerID=40&md5=c073c975c3871332fd1198422ee95d8960e
Influence of Oxygen on PdCoO2: Structure, Thermoporosity, Photoemission, Magnetic and μ-Raman Spectroscopic Studies	John L., Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalp	Chemical Sciences; Physi	ChemistrySelect	2023	2365-6549	https://www.scopus.com/inward/record.url?eid=2-s2.0-85159729106&doi=10.1002%2fslct.202300528&partnerID=40&md5=22d98de55fe0bfd4eee632b4b81eaa0a7
Thermal conductivity-based hydrogen in argon detector (HAD): Design, development of instrumentation, and performance evaluation	Lakshmigandhan I., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tal	Chemical Sciences	Review of Scientific Instruments	2023	0034-6748	https://www.scopus.com/inward/record.url?eid=2-s2.0-85180376862&doi=10.1063%2f5.0169764&partnerID=40&md5=301457e9ff73a5f85bb2420dcec276e4
Synergistically performing graphene oxide-crown ether composite membrane structures for efficient strontium separation from aqueous solutions	Vishwakarma R.K., Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai, 400094, Ind	Chemical Sciences	Journal of Environmental Chemical Engineer	2023	2213-3437	https://www.scopus.com/inward/record.url?eid=2-s2.0-85175491015&doi=10.1016%2fj.jece.2023.111337&partnerID=40&md5=21ea24d24144e5de6b50496bcfc0f1a
Numerical Simulation of Horizontal Convective Rolls Over a Tropical Coastal Site Using WRF: Sensitivity to Land Surface Physics	Reddy B.R., Environmental Assessment Division, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, Ind	Physical Sciences	Pure and Applied Geophysics	2023	0033-4553	https://www.scopus.com/inward/record.url?eid=2-s2.0-85176108795&doi=10.1007%2fs00024-023-03361-4&partnerID=40&md5=b5381b1bf7af7bc1ba4dd3afc4e18fca
New insights into defects and magnetic interactions inducing lattice disordering in Co2FeO.5Cr0.5Al	Yadav R.K., Materials Science Group, Indira Gandhi Centre for Atomic Research, Tamilnadu, Kalpakkam, 603102, Ind	Engineering Sciences; Ph	RSC Advances	2023	2046-2069	https://www.scopus.com/inward/record.url?eid=2-s2.0-85164247349&doi=10.1039%2fd2ra08318c&partnerID=40&md5=bac8cf23595b0dfb083dc17a42bf6974b
Modeling and Validation Studies on Solidification of Sodium Nitrate and LiCl-KCl	Sujith D., Indira Gandhi Centre for Atomic Research, Tamilnadu, Kalpakkam, 603102, India, Homi Bhabha National I	Chemical Sciences	Chemical Engineering and Technology	2023	0930-7516	https://www.scopus.com/inward/record.url?eid=2-s2.0-85148998275&doi=10.1002%2fceat.202200483&partnerID=40&md5=bb4fb09325e112fc9ec3e0bb8c148a94
The relative effect of boron and nitrogen concentrations on microstructure and creep resistance of weld simulated heat-affected zones of modified 9Cr-	Rejeesh R., Indian Institute of Technology (I.I.T.) Kharagpur, West Bengal, Kharagpur, 721302, India; Biswal S., India	Engineering Sciences	Materials Science and Engineering: A	2023	0921-5093	https://www.scopus.com/inward/record.url?eid=2-s2.0-85164227380&doi=10.1016%2fj.msea.2023.145417&partnerID=40&md5=d7ec7829d9f5a9ccc82342e8a21aad83
Interaction of argon plasma-jet spray and yttria coatings with ultra-high temperature ceramic-metal hot-melt	Varghese P., Metallurgy & Materials Group, Homi Bhabha National Institute, Training School Complex, Anushaktin	Chemical Sciences	Ceramics International	2023	0272-8842	https://www.scopus.com/inward/record.url?eid=2-s2.0-85167261924&doi=10.1016%2fj.ceramint.2023.03.114&partnerID=40&md5=ed7792434e3b267411636a37
Investigating algebraic topological method for solving 3D Laplace equation in electrostatic boundary value problems	Arun A.D., Homi Bhabha National Institute, Training School Complex, Anushakti Nagar, Mumbai, 400094, India, Ele	Physical Sciences	Computer Physics Communications	2023	0010-4655	https://www.scopus.com/inward/record.url?eid=2-s2.0-85156236189&doi=10.1016%2fj.cpc.2023.108759&partnerID=40&md5=43f6649fe988793f4fd01ad06b6579a
Coolant leak rate through fatigue cracked pipe bend: An experimental and design standard based investigation	Kumar R.S., Reactor Design & Technology Group, Indira Gandhi Centre For Atomic Research, Kalpakkam, India; Rao	Engineering Sciences	International Journal of Pressure Vessels an	2023	0308-0161	https://www.scopus.com/inward/record.url?eid=2-s2.0-85152095739&doi=10.1016%2fj.ijpvp.2023.104953&partnerID=40&md5=d2135e5ab64df0e56154d08ddea4d1c8
Numerical studies on liquid sodium flow boiling in a 7-pin hexagonal subassembly towards flow rundown scenario in SFR	Tom S., Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai, 400094, India; Mangar	Engineering Sciences	Applied Thermal Engineering	2023	1359-4311	https://www.scopus.com/inward/record.url?eid=2-s2.0-85158909515&doi=10.1016%2fj.applthermaleng.2023.120637&partnerID=40&md5=b6df89a728e99032780be99407cbcc7
Structural, Raman, four probe conductivity, Hall and magnetoresistance studies on phase pure tetragonal PtO stabilized as thin films	Ravindranath N.A., Materials Chemistry Division, Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Ce	Chemical Sciences; Phys	Applied Physics A: Materials Science and Pro	2023	0947-8396	https://www.scopus.com/inward/record.url?eid=2-s2.0-85167458637&doi=10.1007%2fs00339-023-06884-8&partnerID=40&md5=4a16f7baf399a407dfcec65cab7f4fca
Accurate Evaluation of Dispersion Energies at Coupled Cluster Level to Understand the Substituent Effects in Am(III) and Eu(III) Complexes	Sachin A.R., Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 603102, India, Homi Bhabha Natio	Chemical Sciences	Journal of Physical Chemistry A	2023	1089-5639	https://www.scopus.com/inward/record.url?eid=2-s2.0-85182656410&doi=10.1021%2facs.jpca.3c02027&partnerID=40&md5=2fe43196ef8d27808d1d6478d13fd300b
The Tribocorrosion Behaviour and its Mechanisms of Type 304L Stainless Steel in Nitric Acid Media	Priya R., Corrosion Science and Technology Division, Metallurgy and Materials Group, Indira Gandhi Centre for Atom	Chemical Sciences	Journal of Materials Engineering and Perfor	2023	1059-9495	https://www.scopus.com/inward/record.url?eid=2-s2.0-85140013002&doi=10.1007%2fs11665-022-07511-y&partnerID=40&md5=e07ae6d17213c288f9f80e8816d34c81
Contact angle measurement system with liquid sodium in inert atmosphere	Faizal V.A., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Kalpakkam,	Chemical Sciences	Review of Scientific Instruments	2023	0034-6748	https://www.scopus.com/inward/record.url?eid=2-s2.0-85162902856&doi=10.1063%2f5.0151599&partnerID=40&md5=69206b05978d680f5449a138c842638d2
Diglycolamic acid coated cation exchange adsorbent for uranium removal by extraction chromatography	Selvan B.R., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamil Nad	Chemical Sciences	Journal of Radioanalytical and Nuclear Chem	2023	0236-5731	https://www.scopus.com/inward/record.url?eid=2-s2.0-85151383975&doi=10.1007%2fs10967-023-08869-6&partnerID=40&md5=8d023af54092e69f66942015 9ed9d42ef
Highly Porous Polypyrrole (PPy) Hydrogel Support for the Design of a Co-N-C Electrocatalyst for Oxygen Reduction Reaction	Parida S.K., Materials Chemistry Division, Materials Chemistry and Metal Fuel Cycle Group, IGCAR, A Cl of Homi Bha	Chemical Sciences; Physi	ACS Applied Materials and Interfaces	2023	1944-8244	https://www.scopus.com/inward/record.url?eid=2-s2.0-85167482001&doi=10.1021%2facsami.3c08022&partnerID=40&md5=bcc0e8f5e9333d4ada2aefce531c8f9d
Insights into the surface chemistry induced photoreactivity of Fe-doped SnO2 in dye degradation	Pan S., Surface and Sensors Studies Division, Materials Science Group, Indira Gandhi Centre for Atomic Research, A	Chemical Sciences; Physi	Inorganic Chemistry Communications	2023	1387-7003	https://www.scopus.com/inward/record.url?eid=2-s2.0-85151633313&doi=10.1016%2fj.inoche.2023.110672&partnerID=40&md5=670548ad95b59a0bfd2330e46419b62f9
Competition between full slip and twinning in BCC-Fe: Effect of preloaded stress and temperature	Veerababu J., Homi Bhabha National Institute, Maharashtra, Mumbai, 400 094, India, Mechanical Metallurgy Divisi	Engineering Sciences	Journal of Applied Physics	2023	0021-8979	https://www.scopus.com/inward/record.url?eid=2-s2.0-85166912911&doi=10.1063%2f5.0154055&partnerID=40&md5=b0333babb404be82b51deb50bc70850a
Study of atmospheric dispersion of radioactive effluents under inversion condition at coastal station Kalpakkam for radiological impact	Kundu D., Environmental Assessment Section, Environmental Assessment Division, Safety Quality and Resource Ma	Physical Sciences	Meteorology and Atmospheric Physics	2023	0177-7971	https://www.scopus.com/inward/record.url?eid=2-s2.0-85152654700&doi=10.1007%2s00703-023-00962-5&partnerID=40&md5=32e41a523c4eff45c5a1bf88e2dabca8
Development of a chelating-type dye-ligand based radionuclides removal method for the treatment of routine laboratory organic liquid waste	Suneesh A.S., Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu	Chemical Sciences	Journal of Radioanalytical and Nuclear Chem	2023	0236-5731	https://www.scopus.com/inward/record.url?eid=2-s2.0-85167339328&doi=10.1007%2fs10967-023-09155-1&partnerID=40&md5=ac5c7f0f0f0931cbba5e6c6a
Silicon carbide capped magnetite nanoparticles: Role of capping on high-temperature stability, magnetic properties, and water dispersibility	Muthukumaran T., Indira Gandhi Centre for Atomic Research, HBNI, Tamil Nadu, Kalpakkam, India; Philip J., India	Physical Sciences	Ceramics International	2023	0272-8842	https://www.scopus.com/inward/record.url?eid=2-s2.0-85163278571&doi=10.1016%2fj.ceramint.2023.06.093&partnerID=40&md5=b9689ed66865ce719ab1b0218462a3b8
A gelation facility for the preparation of ceramic microspheres	Maji D., Indira Gandhi Centre for Atomic Research, Tamilnadu, Kalpakkam, 603102, India, Homi Bhabha National Ins	Chemical Sciences	Progress in Nuclear Energy	2023	0149-1970	https://www.scopus.com/inward/record.url?eid=2-s2.0-85161718653&doi=10.1016%2fj.pnucene.2023.104769&partnerID=40&md5=298d6a214e4f8fb99025244e49f4b913
Correlating CSL Evolution and Strain Energy in Single Step Grain Boundary Engineered Austenitic Stainless Steel	Palaparti D.P.R., Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai, 400094, India	Engineering Sciences	Metallurgical and Materials Transactions A:	2023	1073-5623	https://www.scopus.com/inward/record.url?eid=2-s2.0-85149251758&doi=10.1007%2fs11661-023-07003-1&partnerID=40&md5=fd70607d04b5faa310066fd3ecf5a693
Gibbs Energy of Formation of U2Mo and U2Ti Determined by EMF Measurements in LiCl...KCl...UCl3 Melt	Vijay S.K., Metal Fuel and Pyroprocessing Division, Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Cen	Chemical Sciences	Thermochimica Acta	2023	0040-6031	https://www.scopus.com/inward/record.url?eid=2-s2.0-85150368134&doi=10.1016%2fj.tca.2023.179483&partnerID=40&md5=4b701836034eb115b104825955ec32f8
Ion conduction property and electrochemical characteristics of Ag-ion gel polymer electrolyte	Parthiban V., Department of Engineering Physics, College of Engineering, Koneru Lakshmaiah Education Foundation	Chemical Sciences	Synthetic Metals	2023	1389-5679	https://www.scopus.com/inward/record.url?eid=2-s2.0-85165214608&doi=10.1016%2fj.synthmet.2023.117416&partnerID=40&md5=c76dbc5aa41405fa44b0a0d4d0d45c7516c
Anisotropic magnetic and magnetocaloric properties in morphologically distinct Nd0.65r0.4MnO3thin films	Mrinalen R.S., Material Science Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India, Homi	Physical Sciences	Physica Scripta	2023	0031-8949	https://www.scopus.com/inward/record.url?eid=2-s2.0-85163582204&doi=10.1088%2f1402-4896%2facd733&partnerID=40&md5=0688e44dbec9ed9b82036a7c42da005
Creep deformation behaviour of thermomechanically treated India specific reduced activation ferritic martensitic steel	Kumar P.A., Department of Metallurgical and Materials Engineering, National Institute of Technology Warangal, Tel	Engineering Sciences	Journal of Nuclear Materials	2023	0022-3115	https://www.scopus.com/inward/record.url?eid=2-s2.0-85152144531&doi=10.1016%2fj.jnucmat.2023.154441&partnerID=40&md5=0b9f39b03b0755eb104a50c28e76b797
Physicochemical properties and AC magnetic field induced heating properties of solvothermally prepared thiospinel: Fe3S4 (greigite) nanoparticles	Aarathy A.R., Department of Physics, University of Kerala, Kerala, Thiruvananthapuram, 695581, India; Lahiri B.B.,	Physical Sciences	Physica Scripta	2023	0031-8949	https://www.scopus.com/inward/record.url?eid=2-s2.0-85149167820&doi=10.1088%2f1402-4896%2facd0e0&partnerID=40&md5=12b51ee785344e00bce63252ff93f320
Current redistribution model of anomalous resistance beha

Unique magnetic graphene oxide with enhanced carboxylate functional groups for uranium separation by solid phase extraction	Suneesh A.S., Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu	Chemical Sciences; Engin	Materials Science and Engineering: B	2023	0921-5107	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160734634&doi=10.1016%2fj.mseb.2023.116609&partnerID=40&md5=da37b001ccf60ed207b71f437d84a29e
Non-isothermal crystallization kinetics study of sodium niobium phosphate glasses	Senapati A., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamil Nad	Chemical Sciences	Journal of Non-Crystalline Solids	2023	0022-3093	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147538803&doi=10.1016%2fj.jnoncrysol.2023.122154&partnerID=40&md5=d49afc2d69b6f0448e319f0af56b213d
Preparation, physicochemical characterization, and AC induction heating properties of colloidal aggregates of ferrimagnetic cobalt ferrite nanoparticles	Anila I., Mössbauer Research Group, Department of Physics, S.B. College, Kerala, Changanassery, 686101, India, Ma	Physical Sciences	Ceramics International	2023	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147233572&doi=10.1016%2fj.ceramint.2023.01.101&partnerID=40&md5=c05c6b33811911acc904131dd165857b8
A Comparative Study on the Microstructural Evolution and Mechanical Behavior of 316LN Stainless Steel Welds Made Using Hot-Wire Tungsten Inert Ga	Pavan A.R., Materials Development and Technology Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Ind	Chemical Sciences; Engin	Journal of Materials Engineering and Perfor	2023	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175637936&doi=10.1007%2fs11665-023-08881-7&partnerID=40&md5=3facb3f0d0ad8b9b0c1037fc1d6d09
Computational fluid dynamics simulation of hybrid laser-MIG welding of 316 LN stainless steel using hybrid heat source	Unni A.K., Homi Bhabha National Institute, Mumbai, India; Vasudevan M., Homi Bhabha National Institute, Mumba	Engineering Sciences	International Journal of Thermal Sciences	2023	1290-0729	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143365369&doi=10.1016%2fj.ijthermalsci.2022.108042&partnerID=40&md5=e62da94dbd8f92800ad2a095fc9783189
Effect of thermomechanical treatment and tempering temperature on microstructure and tensile properties of India specific reduced activation ferritic	Anil Kumar P., Department of Metallurgical and Materials Engineering, National Institute of Technology Warangal, T	Engineering Sciences	Journal of Nuclear Materials	2023	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145581401&doi=10.1016%2fj.jnucmat.2022.154186&partnerID=40&md5=90fb61071398758596zbebabcdf111fc
Performance of cooling system of a fast reactor sub-assembly storage facility during station blackout	Mishra V.K., Indira Gandhi Centre for Atomic Research, Kalpakkam, Tamil Nadu, 603102, India, Homi Bhabha Natior	Engineering Sciences	Progress in Nuclear Energy	2023	0149-1970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147539462&doi=10.1016%2fj.pnucene.2023.104592&partnerID=40&md5=e1c25a2ad3dbbd404aecea1012a9ee8
Failure analysis of a reducer section in the creep loop of INSOT facility	Prasanthi T.N., Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research Kalpakkam, 603102 Tam	Engineering Sciences	Engineering Failure Analysis	2023	1350-6307	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144020767&doi=10.1016%2fj.engfailanal.2022.106991&partnerID=40&md5=6f77b98d6bbaff4172b7a4dbcfe0934b
Synthesis of large 2D oxide nanosheets by virtual substrate method and growth-kinetics studies using prototype CuO/MgO	Chandra S., UGC-DAE CSR, Kalpakkam Node, Kokilamedu, Tamil Nadu, 603104, India, University of Madras, TN, Che	Physical Sciences	Thin Solid Films	2023	0040-6090	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147540217&doi=10.1016%2fj.tsf.2023.139726&partnerID=40&md5=3585446d7315d637bea3e840eb227c139
Microstructure and Tensile Properties of Dissimilar Weld Joint Between Alloy 800 and Buttered Grade 91	Panneer Selvi S., Materials Development Division, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkar	Engineering Sciences	Metallurgical and Materials Transactions A:	2023	1073-5623	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146647167&doi=10.1007%2fs11661-022-06941-6&partnerID=40&md5=e9b80e626b203599da47dd228f565148
Investigating the Magnetocaloric Properties of Magnetically Frustrated Delafossite: AgCrO2	Murugan K., Department of Physics and Nanotechnology, SRM Institute of Science and Technology, Chennai, 603203	Physical Sciences	Journal of Electronic Materials	2023	0361-5235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159588896&doi=10.1007%2fs11664-023-10061-6&partnerID=40&md5=53e93f7f9d00ad8b9b0c1037fc1d6d09
Amino-functionalized graphene oxide membranes for efficient separation of Sr2+ ions	Vishwakarma R.K., Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai, 400094, Ind	Physical Sciences; Engin	Journal of Water Process Engineering	2023	2214-7144	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142810800&doi=10.1016%2fj.jwpe.2022.103239&partnerID=40&md5=c3e89ccb99e947fdff647a9da6263a44
Binder-free vertical graphene nanosheets templated NiO petals for high-performance supercapacitor applications	Kumar V.M., Surface and Nanoscience Division, Materials Science Group, Indira Gandhi Centre for Atomic Research	Chemical Sciences; Physi	Journal of Alloys and Compounds	2023	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140730860&doi=10.1016%2fj.jallcom.2022.167420&partnerID=40&md5=35523d6630b4326c3391f2cfe71dd4fe
Effect of Microstructure Evolution on the Mechanical Properties of P92 Steel during Long-Term Thermal Aging	Sakthivel T., Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 60	Engineering Sciences	Materials Performance and Characterization	2023	2165-3992	https://www.scopus.com/inward/record.uri?eid=2-s2.0-8514684264&doi=10.1520%2fMPC20220071&partnerID=40&md5=9c5c55c0a7a96e1a49f37fb2d284d150
Effect of Thermal Aging on Deformation and Fracture Properties of SS 304HCu	Shanthi G., Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, Ind	Engineering Sciences	Journal of Materials Engineering and Perfor	2023	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139679424&doi=10.1007%2fs11665-022-07408-w&partnerID=40&md5=b73ef144eb9b4909ef4326d8bbf6fca5a
Tensile Deformation Study on Heat Affected Zone of Mod. 9Cr-1Mo Steel Weld	Nikhil R., Materials Joining and Material Mechanics Division, Materials Development and Technology Group, Indira	Engineering Sciences	Journal of Materials Engineering and Perfor	2023	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85137536200&doi=10.1007%2fs11665-022-07279-1&partnerID=40&md5=7f54533df36e74266e8f41857ca0261a8
Effect of pre-adsorbed moisture and humidity on I–V characteristics of Si PIN diode	Karreyula V.R., Surface and Nanoscience Division, Materials Science Group, Indira Gandhi Centre for Atomic Resear	Physical Sciences	Nuclear Instruments and Methods in Physic	2023	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140454440&doi=10.1016%2fj.nima.2022.167832&partnerID=40&md5=a6d6effd152433b0b72d61935e581f4
The complexation of lanthanides by glycolamide extractants: Evidences from electronic spectroscopy and DFT calculations	Prathibha T., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Kalpakka	Chemical Sciences; Physi	Inorganica Chimica Acta	2023	0020-1693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149789579&doi=10.1016%2fj.ica.2023.121396&partnerID=40&md5=72787549e767b05f8b61df45d3d299c2c
Novel green emitting Tb3+ doped KCaF3 phosphor for WLEDs and TLD applications	Kameshwaran R., Department of Physics, Sri Sivasubramaniya Nadar College of Engineering, Tamil Nadu, Kalavakka	Physical Sciences	Ceramics International	2023	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141000385&doi=10.1016%2fj.ceramint.2022.10.316&partnerID=40&md5=fa1f06cf64600d5edc9bd8c9144210b8c
Morphological and optical investigations on Gd2O3 nanostructures	Jegadeesan P., Materials Science Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603 102, India; Sen	Chemical Sciences; Physi	Inorganic Chemistry Communications	2023	1387-7003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150426872&doi=10.1016%2fj.inoche.2023.110493&partnerID=40&md5=4d7f1a1830f59c6921c80b696896e38a
Heavy metal concentration in marine edible fishes and associated health risks: An assessment from Tamil Nadu coast, Bay of Bengal	Samantara M.K., Radiological & Environmental Safety Division, RESG, SQ&RMG, Indira Gandhi Centre for Atomic Re	Physical Sciences	Environmental Chemistry and Ecotoxicology	2023	2590-1826	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147466563&doi=10.1016%2fj.enceco.2023.09.002&partnerID=40&md5=f2639f44d0530c80c74a6a0c0cca3f49
Impact of sea-breeze circulation on the characteristics of convective thunderstorms over southeast India	Reddy B.R., Homi Bhabha National Institute, Mumbai, 400094, India; Srinivas C.V., Homi Bhabha National Institute,	Physical Sciences	Meteorology and Atmospheric Physics	2023	0177-7971	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142886749&doi=10.1007%2fs00703-022-00941-2&partnerID=40&md5=39b81ccb32bf76cbd71c0a4a305cc665
Failure Analysis of Large Stroke Welded Disk Bellows in Storage	Krovvidi S.C.S.P.K., Indira Gandhi Centre for Atomic Research, Kalpakkam, India; Das C.R., Indira Gandhi Centre for A	Engineering Sciences	Journal of Failure Analysis and Prevention	2023	1547-7029	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144254596&doi=10.1007%2fs11668-022-01570-y&partnerID=40&md5=50c6a034fef25c6ae125570f9547d5ec
Ionization-induced annealing of defects in 3C–SiC: Ion channeling and positron annihilation spectroscopy investigations	Sreelakshmi N., Indira Gandhi Centre for Atomic Research, A CI of Homi Bhabha National Institute (HBNI), Tamil Na	Physical Sciences	Journal of Materials Research	2023	0884-2914	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146192388&doi=10.1557%2fs43578-022-00894-1&partnerID=40&md5=acf8fa801bcee6feb39c2aa0cc2de5129d
Presence of a Molecular Ligand alters the Solvent Behavior of an Ionic Liquid: A Combined Physicochemical Properties, FTIR Spectroscopy and Dynamic	Rout A., Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603	Chemical Sciences	ChemistrySelect	2023	2365-6549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147279940&doi=10.1002%2fslct.202204389&partnerID=40&md5=0e7d9c7e4a4598b45ce66161e9cdf124
Magnetic and Isothermal Magnetic Entropy Change Behavior of EuS	Sathyanarayana A.T., Condensed Matter Physics Division, Material Science Group, Indira Gandhi Centre for Atomic	Physical Sciences	Journal of Superconductivity and Novel Mag	2023	1557-1939	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151656544&doi=10.1007%2fs10948-023-06561-0&partnerID=40&md5=8a62d5e3b085ed81a9e60a1b3bbda77b
Effect of temperature and pressure on the reduction of U(VI) to U(IV) by hydrogen over Pt/SiO2: Reaction kinetics and modeling	Reddy S.R., Homi Bhabha National Institute, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 603	Chemical Sciences	Chemical Engineering Research and Design	2023	0263-8762	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152125997&doi=10.1016%2fj.cherd.2023.03.053&partnerID=40&md5=f0ff5f490483ed8874c87be68e58ff57
The fate of reverse micellar aggregation in irradiated diglycolamide in n-dodecane solution	Parvathy N., Reprocessing Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India, Homi Bhab	Chemical Sciences	New Journal of Chemistry	2023	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152640887&doi=10.1039%2fd3nj00239j&partnerID=40&md5=d75924d15f801fa5b6721de0fc958df94
Liquid-sodium compatibility of plasma-sprayed Titania-Stabilized Zirconia, Lanthanum Zirconate, and Yttrium Aluminum Monoclinic coatings	Varghese P., Metallurgy & Materials Group, Indira Gandhi Centre for Atomic Research, Tamilnadu, Kalpakkam, 603	Chemical Sciences	Surface and Coatings Technology	2023	0257-8972	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148959906&doi=10.1016%2fj.surfcoat.2023.129353&partnerID=40&md5=fc7ef7bdf4d7845459cd3433f875560f5
Highly Selective Room Temperature Detection of NH3and NOx Using Oxygen-Deficient W18O49-Supported WS2Heterojunctions	Manoharan M., Advanced Materials and Devices Laboratory, Department of Nanoscience and Technology, Bharath	Physical Sciences	ACS Applied Materials and Interfaces	2023	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146387823&doi=10.1021%2facsami.2c18722&partnerID=40&md5=b9485abeed15de2729c621db75d0d83b
Antimicrobial property of polyvinyl alcohol films containing extracts of Lawsonia inermis and Tamarindus indica	Jayakumar S., SMART Materials Section, Materials Characterization Group, MMG, Indira Gandhi Centre for Atomic	Physical Sciences	Journal of Polymer Research	2023	1022-9760	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148488318&doi=10.1007%2fs10965-023-03485-0&partnerID=40&md5=03fe7e617c700f1d9cb4fc892b04d1f7
Effect of addition of Nb on phase stability of equiatomic CrFeMoV alloy	Saikumaran A., Homi Bhabha National Institute, India Gandhi Centre for Atomic Research, Kalpakkam, India; Myth	Engineering Sciences	Materials Chemistry and Physics	2023	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141922670&doi=10.1016%2fj.matchemphys.2022.127013&partnerID=40&md5=d870fa09a51d444fb1ee60d576563393
Characterization of the microstructure and mechanical properties of activated tungsten inert gas welded and hot-wire tungsten inert gas welded super	Sunny K.T., Department of Mechanical Engineering, National Institute of Technology Tiruchirappalli, TN, India; Korra	Engineering Sciences	Proceedings of the Institution of Mechanical	2023	1464-4207	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135498087&doi=10.1177%2f14644207221118438&partnerID=40&md5=ed7aa87d92688606df1338ce66861a24
Anisotropy Corrected FMC/TFM Based Phased Array Ultrasonic Imaging in an Austenitic Buttering Layer	Ponseenivasan S., Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, A CI of Homi Bhabha	Engineering Sciences	Applied Sciences (Switzerland)	2023	2076-3417	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156123191&doi=10.3390%2fapp13085195&partnerID=40&md5=3d085cd05297031a5c781b2ca982c3e
The influence of N···H pincogen bonding in π-stacked parallel displaced geometry of nitrobenzene dimers: Evidence using matrix isolation infrared spect	Chandra S., Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Center for Atomic Research, Tamil Nadu,	Chemical Sciences; Physi	Journal of Molecular Structure	2023	0022-2860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147197357&doi=10.1016%2fj.molstruc.2023.135022&partnerID=40&md5=891dc213d23c486f0b90417d7202ef3b
Improvements in the Metallography of Ferritic–Martensitic Steels Through a Color Etching Procedure	Mandal M., Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603012, India;	Engineering Sciences	Metallography, Microstructure, and Analysis	2023	2192-9262	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145182995&doi=10.1007%2fs13632-022-00916-0&partnerID=40&md5=e9c0bb638ae8b127ba02a4da286c4988
Track detector based discriminative Neutron measurement – An optimized Neutron study through experiments and modelling	Chitra N., Environmental Assessment Division, Indira Gandhi Center for Atomic Research, Tamil Nadu, India; Sen	Physical Sciences	Radiation Physics and Chemistry	2023	0969-8051	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140738884&doi=10.1016%2fj.radphyschem.2022.110407&partnerID=40&md5=b7d7d1a581dcc6788
Studies on in-situ regeneration of cold trap of a Bench-Top sodium loop	Murugesan N., Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Tamil N	Chemical Sciences	Nuclear Engineering and Design	2023	0029-5493	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146300498&doi=10.1016%2fj.nucengdes.2023.112156&partnerID=40&md5=d92e129cc22c010f1097ef07a58877ab7
Laser intensity mapping across a spatial light modulator to generate uniform and aberration-free focal spots	Gupta D.K., Materials Science Group, Indira Gandhi Centre for Atomic Research, A CI of Homi Bhabha National Insti	Physical Sciences	Optics Communications	2023	0030-4018	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143857844&doi=10.1016%2fj.optcom.2022.129187&partnerID=40&md5=741600f56e68986e41cdd5e8abc00dfb
Corrosion behaviour of P-91 steel and type 316 LN stainless steel with and without a ceramic coating in the lead with oxygen at 550°C	Priya R., Corrosion Science and Technology Division, Metallurgy and Materials Group, Indira Gandhi Centre for Atom	Chemical Sciences	Journal of Nuclear Materials	2023	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143550774&doi=10.1016%2fj.jnucmat.2022.154181&partnerID=40&md5=a67323468815694c9db0205c957b7e183
Creep-fatigue interaction behavior of simulated microstructures and the actual weldment of P91 steel	Mariappan K., Mechanical Metallurgy Division, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam,	Engineering Sciences	Materials Science and Engineering: A	2023	0921-5093	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146862756&doi=10.1016%2fj.msea.2023.144695&partnerID=40&md5=a09abd642a5d979cd001ee68717f4fd94
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Insitu electrochemical impedance spectroscopy of PT-7 M and Fe-Ni-Cr alloys in chloride containing ammonia medium at high temperatures	Subramanian V., Water and Steam Chemistry Section, Bhabha Atomic Research Centre Facilities, Tamilnadu, Kalpak	Physical Sciences	Corrosion Science	2023	0010-938X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149898868&doi=10.1016%2fj.corsci.2022.110943&partnerID=40&md5=abc2716b2e6b67a52d122ba0fde7ec6cb
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An experimental investigation on the combined effect of plastic deformation and grain size variation on the acoustic nonlinearity parameter	Abraham S.T., Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam, 603102, India, Homi Bhabha Natio	Physical Sciences	Review of Scientific Instruments	2023	0034-6748	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148772322&doi=10.1063%2f5.0136642&partnerID=40&md5=9c44ce5b2c825ed867c76750594479c2
Design and Performance Enhancement of Cobalt-Encapsulated Nitrogen-Doped Carbon Nanofiber Electrocatalyst through Ionic Liquid Modification for	Parida S.K., Materials Chemistry Division, Materials Chemistry and Metal Fuel Cycle Group, IGCAR, Kalpakkam, 603	Chemical Sciences; Physi	ACS Applied Nano Materials	2023	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147107332&doi=10.1021%2facsanm.2c04945&partnerID=40&md5=891ab66c2ee2626131a7e83f7c3fa7f0
Highly sensitive and wide range hydrogen sensor based on thin films of AgInO2 by pulsed laser deposition	Beatriceveena T.V., Materials Chemistry & Metal Fuel Cycle Group, Indira Gandhi Centre for Atomic Research, Kalpa	Chemical Sciences	Sensors and Actuators B: Chemical	2023	0925-4005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149631784&doi=10.1016%2fj.snb.2023.133599&partnerID=40&md5=f1a20249d2998b2351b4c06f906fc3e6
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Performance evaluation of plasma nitrided 316L stainless steel during long term high temperature sodium exposure	Singh A., Metallurgy & Materials Group, Indira Gandhi Centre for Atomic Research, Kalpakkam, 603102, India; Thir	Engineering Sciences	Nuclear Engineering and Technology	2023	1738-5733	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141515206&doi=10.1016%2fj.net.2022.11.012&partnerID=40&md5=7b880f0b65a6f6c4fd9d580e029c0d73b
Lead-Free Stable Wide-Band Gap Double Perovskite with Absorption in the Visible Region	Saha P., Materials Science Group, Indira Gandhi Centre for Atomic Research, A CI of Homi Bhabha National Institute	Physical Sciences	Journal of Electronic Materials	2023	0361-5235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85157284&doi=10.1007%2fs11664-023-10263-8&partnerID=40&md5=d7b0d4b12b0b19
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Fast and selective reversed-phase high performance liquid chromatographic separation of UO22+ and Th4+ ions using surface modified C18 silica mono	Kongasseri A., Department of Chemistry, School of Advanced Sciences, Vellore Institute of Technology (VIT), Tamil N	Chemical Sciences	RSC Advances	2023	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148204&doi=10.1039%2fd2ra07495h&partnerID=40&md5=5b829335c43117a77c0fcbf8740f89af
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Wiped film evaporator with a roller wiper and an internally mounted condenser for the recovery of TBP and n-DD from degraded PUREX solvent	Vishnu Anand P., Process, Radiochemistry and Reprocessing Research & Development Division, Indira Gandhi Centr	Chemical Sciences	Chemical Engineering Research and Design	2023	0263-8762	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149423997&doi=10.1016%2fj.cherd.2023.02.027&partnerID=40&md5=0b9bdb8ccc181931bda06336facfec90
X-ray diffraction line profile analysis of defects in neutron-irradiated austenitic stainless steels at low displacement damage levels	M. S., Post Irradiation Examination Division, Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Re	Physical Sciences	Journal of Nuclear Materials	2023	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145384&doi=10.1016%2fj.jnucmat.2023.154338&partnerID=40&md5=cafa5a0da11bbbd24c3afefbecd3b1d11b
Polarization resistance of Pt/YSZ and ITO/YSZ interfaces in multilayered Pt|YSZ|Pt and ITO|YSZ|ITO thin films	Ravindranath V., Materials Chemistry Division, Materials Chemistry and Metal Fuel Cycle Group, Indira Gandhi Ce	Chemical Sciences; Physi	Surfaces and Interfaces	2023	2468-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148942334&doi=10.1016%2fj.surfin.2023.102706&partnerID=40&md5=b61d5d1828ce99b281bfd4ec952408ec
Interdependency between Electron Backscatter Diffraction-Based Misorientation Parameters and Coincidence Site Lattice Boundaries in 316LN Stainless	Palaparti D.P.R., Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai, 400094, India	Engineering Sciences	Journal of Materials Engineering and Perfor	2023	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175167570&doi=10.1007%2fs11665-023-08862-w&partnerID=40&md5=cc66d04beb080e72afa454fa7af62ab3
Improvement of sensitization and intergranular corrosion of AISI type 304L stainless steel through thermo-mechanical treatment	Shit G., CSTD, Metallurgy and Materials Group, Indira Gandhi Centre for Atomic Research, Tamil Nadu, Kalpakkam,	Chemical Sciences	Corrosion Science	2023	0010-938X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146897575&doi=10.1016%2fj.corsci.2023.110975&partnerID=40&md5=9468955969bc87fd3bfd8f0cOee91f3b5
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Design of experiments for the optimization of U(VI) reduction kinetics in a Pd/C catalyst bed reactor with hydrogen over Pt/SiO2	Ramakrishna Reddy S., Homi Bhabha National Institute, India Gandhi Centre for Atomic Research, Tamil Nadu, Kalpa	Chemical Sciences	Radiochimica Acta	2023	0033-8230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148185758&doi=10.1515%2ract-2022-0298&partnerID=40&md5=1e2a7ccf5fa091e2d0b	
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Even More Effort Towards Improved Bounds and Fixed-Parameter Tractability for Multiwinner Rules	Gupta S., The Institute of Mathematical Sciences, HBNI, Chennai, India; Jain P., Indian Institute of Technology Jodhp	Mathematical Sciences	Algorithmica	2023	0178-4617	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167347932&doi=10.1007%2fs00453-023-01155-7&partnerID=40&md5=48be1f3c80bd669ca850133275f8ba75a
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Precision of morphogen-driven tissue patterning during development is enhanced through contact-mediated cellular interactions	Kuyyamudi C., Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai, 600113, India, Homi Bhabha Na	Physical Sciences	Physical Review E	2023	2470-0045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148330229&doi=10.1103%2fPhysRevE.107.024407&partnerID=40&md5=12eb36d996095c286c4f78176f1bedc	
Machine Learning Models for Prediction of Xenobiotic Chemicals with High Propensity to Transfer into Human Milk	Vijayaraghavan S., The Institute of Mathematical Sciences (IMSc), Chennai, 600113, India; Lakshminarayanan A., De	Life Sciences	ACS Omega	2023	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148739978&doi=10.1021%2facsomega.3c09392&partnerID=40&md5=8f68cb28689 4db42ad1e8a392c35536e
Universal Framework for Record Ages under Restart	Kumar A., Department of Physics, Indian Institute of Science Education and Research, Dr. Homi Bhabha Road, Pune,	Physical Sciences	Physical Review Letters	2023	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152964460&doi=10.1103%2fPhysRevLett.130.157101&partnerID=40&md5=d1d3bfd21fbefd7ff0c64c661759b26cd
Changes in the European Union definition for endocrine disruptors: how many molecules remain a cause for concern? The example of crop protection p	Roger C., University Lyon, Umrestte UMR T 9405 (University Claude Bernard Lyon 1 and Gustave Eiffel), Lyon, Franc	Life Sciences	Frontiers in Public Health	2023	2296-2565	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148635905&doi=10.3389%2fpubh.2023.1343047&partnerID=40&md5=b278b4f88412c963fe6817f7062dbd78
Microscopic theory of adsorption kinetics	Scher Y., School of Chemistry, Center for the Physics and Chemistry of Living Systems, Rattner Institute for Single Mo	Physical Sciences	Journal of Chemical Physics	2023	0021-9606	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149704843&doi=10.1063%2f5.0121359&partnerID=40&md5=3cb243e222fd3198a16e9cb8805782ed
Bioenso-integrated retrotransposon mutagenesis reveals rv0158 as a coordinator of redox homeostasis in Mycobacterium tuberculosis	Sher S., Department of Microbiology and Cell Biology, Indian Institute of Science Bangalore, Bangalore, India, Centr	Life Sciences	eLife	2023	2050-084X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173309947&doi=10.7554%2eLife.82418&partnerID=40&md5=b0866ceb4ee9ff5c	
In-silico identification of Ser/Thr-ser/Thr-ser in the protein tyrosine phosphatase PTP-PEST	Manikandan A., Department of Biotechnology, Bharath and Jyoti Mehta School of Biosciences, Indian Institute of Te	Physical Sciences	Proteins: Structure, Function and Bioinformatics	2023	0887-3585	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147513050&doi=10.1002%2prot.26470&partnerID=40&md5=3e17f82942aa16e5474fc9d4e627e834
Euclidean algorithm in Galois quartic fields	Srinivas K., Institute of Mathematical Sciences, HBNI, CIT Campus, Taramani, Chennai, 600 113, India; Subramani M	Mathematical Sciences	Rendiconti del Circolo Matematico di Palerm	2023	0009-725X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113364341&doi=10.1007%2fs12215-021-00662-2&partnerID=40&md5=5bf81c4a624e82087fd50edc1fce0569
Optical realization of one-dimensional generalized split-step quantum walks	Yasir P.A.A., Quantum Optics & Quantum Information, Department of Instrumentation and Applied Physics, Indian In	Physical Sciences	Optics Continuum	2023	2770-0208	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167991636&doi=10.1364%

Measurement of the non-prompt D-meson fraction as a function of multiplicity in proton-proton collisions at √s = 13 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175832394&doi=10.1007%2fJHEP10%282023%29092&partnerID=40&md5=c6d96926e28f960be25de2d2432f0a5d
High entropy alloying strategy for accomplishing quintuple-nanoparticles grafted carbon towards exceptional high-performance overall seawater splittin	Raj G., Materials Research Centre, Indian Institute of Science, Karnataka, Bangalore, 560012, India; Nandan R., Mate	Physical Sciences	Materials Horizons	2023	2051-6347	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171184057&doi=10.1039%2fd3mh00453h&partnerID=40&md5=f3c7e3671956948db1820921b22f7231
f0(980) production in inelastic pp collisions at s = 5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	Physics Letters, Section B: Nuclear, Element	2023	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173068301&doi=10.1016%2fj.physletb.2022.137644&partnerID=40&md5=22b477db618586e470dc84688ddb0a9d
Type-II see-saw at μ+ μ− collider	Maharathy S.P., Institute of Physics, Bhubaneswar, Sachivalaya Marg, Sainik School, Bhubaneswar, 751005, India, H	Physical Sciences	Physics Letters, Section B: Nuclear, Element	2023	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169882338&doi=10.1016%2fj.physletb.2023.138105&partnerID=40&md5=d5611ce5e87b10921c2fb2cd6d5826ff
Engineering anomalous Floquet Majorana modes and their time evolution in a helical Shiba chain	Mondal D., Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Tra	Chemical Sciences; Physi	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168004659&doi=10.1103%2fPhysRevB.108.L081403&partnerID=40&md5=50e4b7f3943b240956c542dcc43599f9
Closing in on critical net-baryon fluctuations at LHC energies: Cumulants up to third order in Pb–Pb collisions	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron (	Physical Sciences	Physics Letters, Section B: Nuclear, Element	2023	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167424594&doi=10.1016%2fj.physletb.2022.137545&partnerID=40&md5=d60dafb69d11e10c59a8ffe80ebb02da
Tuning of magnetic frustration and emergence of a magnetostructural transition in Mn1-xCdxCr2 O4	Das A., Department of Physics, Indian Institute of Technology, West Bengal, Kharagpur, 721302, India; Ranaut D., Sc	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169299445&doi=10.1103%2fPhysRevB.108.064426&partnerID=40&md5=31bb26062725307cf0133107a4f4a4ff
Dual-Polarity Switching in Self-Powered Ag/MoS2/Ag Photodetectors	Augustine P., Materials Research Centre, Indian Institute of Science, Bangalore, 560012, India, Materials Research L	Physical Sciences	ACS Applied Optical Materials	2023	2771-9855	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85186072358&doi=10.1021%2facsaom.3c00181&partnerID=40&md5=f3edceaf0559b7ec24ea1aff6e03e73a
Surface and decay properties of newly synthesized 207,208Th isotopes for various α-decay chains	Pattnaik J.A., Department of Physics, Siksha 'O' Anusandhan, Deemed to be University, Bhubaneswar, 751030, India	Physical Sciences	Nuclear Physics A	2023	0375-9474	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165971039&doi=10.1016%2fj.nuclphysa.2023.122722&partnerID=40&md5=805e929127cff95360b1474b8d4ab3c5
Evaluation of planar silicon pixel sensors with the RD53A readout chip for the Phase-2 Upgrade of the CMS Inner Tracker	Adam W., Institut für Hochenergiephysik, Wien, Austria; Bergauer T., Institut für Hochenergiephysik, Wien, Austria;	Applied Systems Analysis	Journal of Instrumentation	2023	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181741125&doi=10.1088%2f1748-0221%2f18%2f11%2fP11015&partnerID=40&md5=c1759ed3346b11e6615cac85a8706423
Enhancing sensitivity to leptonic CP violation using complementarity among DUNE, T2HK, and T2HKK	Agarwalla S.K., Institute of Physics, Sachivalaya Marg, Sainik School Post, Bhubaneswar, 751005, India, Homi Bhabh	Physical Sciences	European Physical Journal C	2023	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167510558&doi=10.1140%2fepjc%2fs10052-023-11863-7&partnerID=40&md5=ba15d45fab417b10abb41c99e2fa17b6
Measurement of inclusive J/ψ pair production cross section in pp collisions at s =13 TeV	Acharya S., Université Clermont Auvergne, CNRS, IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175445348&doi=10.1103%2fPhysRevC.108.045203&partnerID=40&md5=55399051a853a244155945e9a01907f2
Data-driven precision determination of the material budget in ALICE	Acharya S., Université Clermont Auvergne, CNRS, IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	Journal of Instrumentation	2023	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85182511079&doi=10.1088%2f1748-0221%2f18%2f11%2fP11032&partnerID=40&md5=62d93f9e0c7d6fccd8156a851ccdf275
Pseudorapidity densities of charged particles with transverse momentum thresholds in pp collisions at s =5.02 and 13 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, Lpc, Clermont-Ferrand, France; Adamová D., Nuclear Physic	Physical Sciences	Physical Review D	2023	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178219318&doi=10.1103%2fPhysRevD.108.072008&partnerID=40&md5=944dc9549b46f5695171c9fe99910aaa
Higher-order correlations between different moments of two flow amplitudes in Pb-Pb collisions at sNN =5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, Lpc, Clermont-Ferrand, France; Adamová D., Nuclear Physic	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179108622&doi=10.1103%2fPhysRevC.108.055203&partnerID=40&md5=3cd2b4923b624cf5afaa880c7521d573
Structure and reaction studies of Z= 120 isotopes using non-relativistic and relativistic mean-field formalisms	Pattnaik J.A., Department of Physics, Siksha 'O' Anusandhan Deemed to be University, Bhubaneswar, 751 030, India	Physical Sciences	Pramana - Journal of Physics	2023	0304-4289	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168995516&doi=10.1007%2fs12043-023-02619-9&partnerID=40&md5=145f99e6f0fa085617d9867d2058847a
Measurement of electrons from beauty-hadron decays in pp and Pb-Pb collisions at sNN =5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS, IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172763913&doi=10.1103%2fPhysRevC.108.034906&partnerID=40&md5=ed19904f8804d15b47151ef9b176b129
Probing the chiral magnetic wave with charge-dependent flow measurements in Pb-Pb collisions at the LHC	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85192838180&doi=10.1007%2fJHEP12%282023%29067&partnerID=40&md5=4fed5664dc062ad067bdd3791402398d
Search for neutrino lines from dark matter annihilation and decay with IceCube	Abbasi R., Department of Physics, Loyola University Chicago, Chicago, 60660, IL, United States; Ackermann M., Deut	Physical Sciences	Physical Review D	2023	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180234159&doi=10.1103%2fPhysRevD.108.102004&partnerID=40&md5=71e2db86f87bbd7baf11949e6c1b6b9c
Crystal structure and magnetic properties of the spin- 12 frustrated two-leg ladder compounds (C4 H14 N2) Cu2X6 (X=Cl and Br)	Biswal P., Institute of Physics, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Anushaktinagar, Mumb	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177616531&doi=10.1103%2fPhysRevB.108.134420&partnerID=40&md5=dd45e727b93cfd9c3ed92cd5d8f682cc
Measurement of the Λ hyperon lifetime	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	Physical Review D	2023	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168848895&doi=10.1103%2fPhysRevD.108.032009&partnerID=40&md5=4ab15171f166ac1d50eea939d728580e
Influence of dark matter on magnetized neutron stars	Parmar V., School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, 147004	Physical Sciences	Physical Review D	2023	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174148731&doi=10.1103%2fPhysRevD.108.083003&partnerID=40&md5=eb80d68b19c785b4646b9b2a626673d1
MHV gluon scattering in the massive scalar background and celestial OPE	Banerjee S., National Institute of Science Education and Research (NISER), Odisha, Bhubaneswar, 752050, India, Hor	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173735135&doi=10.1007%2fJHEP10%282023%29007&partnerID=40&md5=6c35395b0ebf08e408f2467563f1c195
First measurement of the Λ–Ξ interaction in proton–proton collisions at the LHC	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron (	Physical Sciences	Physics Letters, Section B: Nuclear, Element	2023	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162181771&doi=10.1016%2fj.physletb.2022.137223&partnerID=40&md5=e5569dc10e45fe847e5ba5a72c59b119
Measurements of Groomed-Jet Substructure of Charm Jets Tagged by D0 Mesons in Proton-Proton Collisions at s =13 TeV	Acharya S., Université Clermont Auvergne, CNRS, IN2P3, LPCc, Clermont-Ferrand, France; Adamová D., Nuclear Phy	Physical Sciences	Physical Review Letters	2023	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177792817&doi=10.1103%2fPhysRevLett.131.192301&partnerID=40&md5=9d9aca77620b080a086454e441a4a966
Elliptic flow of charged particles at midrapidity relative to the spectator plane in Pb–Pb and Xe–Xe collisions	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron (	Physical Sciences	Physics Letters, Section B: Nuclear, Element	2023	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172706565&doi=10.1016%2fj.physletb.2022.137453&partnerID=40&md5=07656deeb299d42d8dd58288d7a8fc20
Study of flavor dependence of the baryon-to-meson ratio in proton-proton collisions at √s=13 TeV	Acharya S., Université Clermont Auvergne, CNRS, IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	Physical Review D	2023	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85181679313&doi=10.1103%2fPhysRevD.108.112003&partnerID=40&md5=2ec8c2e7b8b0e7e5f2ab88631c5928c4
Charm production and fragmentation fractions at midrapidity in pp collisions at s = 13 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85189921089&doi=10.1007%2fJHEP12%282023%29086&partnerID=40&md5=2ffcfd1a89cce470a2fd1af118af0141
Graded oxide layer for high-performing nanosized synaptic emulator	Sudheer, FCIPT, Institute for Plasma Research, Bhat, Gujarat, Gandhinagar, 382 428, India; Mandal R., Homi Bhabha	Physical Sciences	Applied Surface Science	2023	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167999530&doi=10.1016%2fj.apsusc.2023.158115&partnerID=40&md5=56075388a2a658c3d4ab9d8c586ff037
Evidence of weak itinerant ferromagnetism and Griffiths like phase in MnFeGe	Dara H.K., Institute of Physics Bhubaneswar, Bhubaneswar, 751005, India; Patra D., Department of Physics, Indian I	Physical Sciences	Journal of Physics Condensed Matter	2023	0953-8984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164181440&doi=10.1088%2f1361-648X%2face0ac&partnerID=40&md5=e61c18584d97307f101bd40a6254bb96
First measurement of Ωc0 production in pp collisions at s=13 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron (	Physical Sciences	Physics Letters, Section B: Nuclear, Element	2023	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172692168&doi=10.1016%2fj.physletb.2022.137625&partnerID=40&md5=f626038ad3695827b711a90303448483
Study of charged particle production at high pT using event topology in pp, p–Pb and Pb–Pb collisions at sNN=5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron (	Physical Sciences	Physics Letters, Section B: Nuclear, Element	2023	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162990010&doi=10.1016%2fj.physletb.2022.137649&partnerID=40&md5=5bf0579588d51773986546a74e0b335f
Study of the p–p–K + and p–p–K - dynamics using the femtoscopy technique	Acharya S., CNRS/IN2P3, LPC, Université Clermont Auvergne, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	European Physical Journal A	2023	1434-6001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180267787&doi=10.1140%2fepja%2fs10050-023-01139-9&partnerID=40&md5=755b584a01369168a59055ce7c72bd2c
Digital and analog resistive switching in Lu-doped piezoelectric BiFeO3 film	Mohanty H.N., Nanomagnetism and Microscopy Laboratory, Department of Physics, Indian Institute of Technology	Physical Sciences	Materials Science and Engineering: B	2023	0921-5107	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153868274&doi=10.1016%2fj.mseb.2023.116535&partnerID=40&md5=305757b9ecad6047060956b1f297466c
Production of pions, kaons, and protons as a function of the relative transverse activity classifier in pp collisions at √s = 13 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161804309&doi=10.1007%2fJHEP06%282023%29027&partnerID=40&md5=fa3aa5596d4de2e1a5af0cafa78314cf
Jet-like correlations with respect to KS0 and Λ (Λ ¯) in pp and central Pb–Pb collisions at √sNN=5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	European Physical Journal C	2023	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161820231&doi=10.1140%2fepjc%2fs10052-023-11614-8&partnerID=40&md5=217488658a6a0f43d9442412027b8924
Towards the understanding of the genuine three-body interaction for p–p–p and p–p– Λ	Acharya S., CNRS/IN2P3, LPC, Université Clermont Auvergne, Clermont-Ferrand, France, Variable Energy Cyclotron (	Physical Sciences	European Physical Journal A	2023	1434-6001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165704330&doi=10.1140%2fepja%2fs10050-023-00998-6&partnerID=40&md5=9900448e835352518389b2864f92d175
Unusual structural rearrangement and superconductivity in infinite layer cuprate superlattices	Samal D., Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Anus	Physical Sciences	Physical Review Materials	2023	2475-9953	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161339043&doi=10.1103%2fPhysRevMaterials.7.054803&partnerID=40&md5=58db4f86593b50c3d3869524bc876726
Light (anti)nuclei production in Pb-Pb collisions at sNN =5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163714237&doi=10.1103%2fPhysRevC.107.064904&partnerID=40&md5=b874c0d4a05000d8e4ade779920aebf7
J/ψ production at midrapidity in p-Pb collisions at √sNN = 8.16 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165611838&doi=10.1007%2fJHEP07%282023%29137&partnerID=40&md5=308908fa4d74c9c185f3f4dab1490611
Measurement of inclusive and leading subjet fragmentation in pp and Pb–Pb collisions at √sNN = 5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron (	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161037786&doi=10.1007%2fJHEP05%282023%29245&partnerID=40&md5=752811896eec4a445aaa7ac372d62b3b
Neutron emission in ultraperipheral Pb-Pb collisions at sNN =5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163755100&doi=10.1103%2fPhysRevC.107.064902&partnerID=40&md5=1dcab58d1afa2782f277ad6e657e497d
Discriminating between Lorentz violation and non-standard interactions using core-passing atmospheric neutrinos at INO-ICAL	Sahoo S., Institute of Physics, Sachivalaya Marg, Sainik School Post, Bhubaneswar, 751005, India, Homi Bhabha Nati	Physical Sciences	Physics Letters, Section B: Nuclear, Element	2023	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159655748&doi=10.1016%2fj.physletb.2023.137949&partnerID=40&md5=f7e9e46ecdd59096b10dc8d10cec616a
K∗(892)0 and ϕ(1020) production in p-Pb collisions at sNN =8.16 TeV	Acharya S., Variable Energy Cyclotron Centre, Homi Bhabha National Institute, Kolkata, India; Adamová D., Nuclear	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162214378&doi=10.1103%2fPhysRevC.107.055201&partnerID=40&md5=9278f95e8064f3eb3ddee53949f3a352
Constraining Lorentz invariance violation with next-generation long-baseline experiments	Agarwalla S.K., Institute of Physics, Sachivalaya Marg, Sainik School Post, Bhubaneswar, 751005, India, Homi Bhabh	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168530557&doi=10.1007%2fJHEP07%282023%29216&partnerID=40&md5=3b3e3bb2a1324baebbc52b077711e491
Measurement of ψ (2S) production as a function of charged-particle pseudorapidity density in pp collisions at √s = 13 TeV and p–Pb collisions at √sNN =	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron (	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163024333&doi=10.1007%2fJHEP06%282023%29147&partnerID=40&md5=d94870cfb4dc6f468ccc0e56af86410c
Inclusive photon production at forward rapidities in pp and p–Pb collisions at √sNN=5.02 TeV	Acharya S., CNRS/IN2P3, LPC, Université Clermont Auvergne, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	European Physical Journal C	2023	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165904345&doi=10.1140%2fepjc%2fs10052-023-11729-y&partnerID=40&md5=c5bd1a4bc2ebc187a89e0c7f3259ca93
Multiplicity and rapidity dependence of K ∗(892) and φ(1020) production in p–Pb collisions at √sNN= 5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron (	Physical Sciences	European Physical Journal C	2023	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168263609&doi=10.1140%2fepjc%2fs10052-023-11449-3&partnerID=40&md5=0030f62a224e34e8c00660135c992cf1
Symmetry plane correlations in Pb–Pb collisions at √sNN=2.76 TeV	Acharya S., CNRS/IN2P3, LPC, Université Clermont Auvergne, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	European Physical Journal C	2023	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164118706&doi=10.1140%2fepjc%2fs10052-023-11658-w&partnerID=40&md5=12863f39bcc39e76aa941bcdb226b73f
W±-boson production in p–Pb collisions at √sNN = 8.16 TeV and Pb–Pb collisions at √sNN = 5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron (	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159143281&doi=10.1007%2fJHEP05%282023%29036&partnerID=40&md5=43680d1e427326167c7acde8dff6309f
Anisotropic flow and flow fluctuations of identified hadrons in Pb–Pb collisions at √sNN = 5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron (	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160948065&doi=10.1007%2fJHEP05%282023%29243&partnerID=40&md5=6d41257cdc03a8e8676a1b49efe33a86
Valleytronics: A New Way to Communicate With Electrons	Khatei J., Department of Physics, Odisha University of Technology and Research (Formerly College of Engineering ar	Physical Sciences	Resonance	2023	0971-8044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153281570&doi=10.1007%2fs12045-023-1581-9&partnerID=40&md5=7f453f6e590d8ac1e942d31ddb484f7c
Production of singlet dominated scalar(s) at the LHC	Bisal S., Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751 005, India, Homi Bhabha National Institute, Traini	Physical Sciences	Physics Letters, Section B: Nuclear, Element	2023	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149411868&doi=10.1016%2fj.physletb.2023.137806&partnerID=40&md5=045699e93cf05cd60fae1acf8bf7479e
Emergent quantum transport due to quenched magnetic impurity scattering by antiferromagnetic proximity in SrCuO2/ SrIrO3	Jana S., Institute of Physics, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Anushakti Nagar, Mumba	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158844125&doi=10.1103%2fPhysRevB.107.134415&partnerID=40&md5=4548a1fefdd3a99cedbe072004773df8
Reconfigurable Low-Power TiO2 Memristor for Integration of Artificial Synapse and Nociceptor	Sahu M.C., Laboratory for Low Dimensional Materials, Institute of Physics, Bhubaneswar, 751005, India, Homi Bhab	Physical Sciences	ACS Applied Materials and Interfaces	2023	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160586162&doi=10.1021%2facsami.3c02727&partnerID=40&md5=5944cfc07ab68fa3b8733ec2afe32f64
Solid-state synthesis of Pt/C cathode catalysts for direct methanol fuel cells	Roul B., Materials Research Centre, Indian Institute of Science, Bangalore, 560012, India, Central Research Laborato	Physical Sciences	Journal of Materials Chemistry C	2023	2050-7526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167431763&doi=10.1039%2fd3tc00889d&partnerID=40&md5=3e53f9248d47c9dfaad368563e3be71d
Investigation of K+K- interactions via femtoscopy in Pb-Pb collisions at sNN =2.76 TeV at the CERN Large Hadron Collider	Acharya S., Université Clermont Auvergne, CNRS, IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162242592&doi=10.1103%2fPhysRevC.107.054904&partnerID=40&md5=df3cfb5a8e5c6aa3655a547c1cda3a15
Projective symmetry group classification of Abrikosov fermion mean-field ansätze on the square-octagon lattice	Maity A., Department of Physics, Quantum Center for Diamond and Emergent Materials (QuCenDiEM), Indian Instit	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158851417&doi=10.1103%2fPhysRevB.107.134438&partnerID=40&md5=556e88e8a87ee96e5420aab72705d653
Locating the core-mantle boundary using oscillations of atmospheric neutrinos	Upadhyay A.K., Department of Physics, Aligarh Muslim University, Aligarh, 202002, India, Institute of Physics, Sachiv	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153295936&doi=10.1007%2fJHEP04%282023%29068&partnerID=40&md5=f7e092568d0cd11dd1b43aa2c2849e8f
Probing dark matter inside Earth using atmospheric neutrino oscillations at INO-ICAL	Upadhyay A.K., Department of Physics, Aligarh Muslim University, Aligarh, 202002, India, Institute of Physics, Sachiv	Physical Sciences	Physical Review D	2023	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163867659&doi=10.1103%2fPhysRevD.107.115030&partnerID=40&md5=f53eb3d5625d5ac2cc1e889a246556cf
Measurements of the groomed jet radius and momentum splitting fraction with the soft drop and dynamical grooming algorithms in pp collisions at √s =	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron (	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160931127&doi=10.1007%2fJHEP05%282023%29244&partnerID=40&md5=b7b0f54667c98c2b2f3bf000f804c956
Multiple higher-order topological phases with even and odd pairs of zero-energy corner modes in a C3symmetry broken model	Saha S., Institute of Physics, Odhisa, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Maharashtra, M	Physical Sciences	EPL	2023	0295-5075	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162100317&doi=10.1209%2f0295-5075%2facd71a&partnerID=40&md5=7e9528f0807ace04b40e2e4a6f83143d
Underlying-event properties in pp and p–Pb collisions at √sNN = 5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron (	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161403453&doi=10.1007%2fJHEP06%282023%29023&partnerID=40&md5=d98c9a58d3d3e9f74cb3d4596ce50ac1
First measurement of Λc+ production down to pT=0 in pp and p -Pb collisions at sNN =5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163743165&doi=10.1103%2fPhysRevC.107.064901&partnerID=40&md5=ce67eebd46434a5033f89e65098b006e
Production of KS0 , Λ (Λ ¯), Ξ±, and Ω± in jets and in the underlying event in pp and p–Pb collisions	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165564550&doi=10.1007%2fJHEP07%282023%29136&partnerID=40&md5=1ccc1574238b0b7ae9fb2d3b187d53d6
Theoretical studies on structural properties and decay modes of 284 - 375 119 isotopes	Rather A.A., Department of Physics, Aligarh Muslim University, Aligarh, 202002, India, Department of School Educat	Physical Sciences	European Physical Journal Plus	2023	2190-5444	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160266153&doi=10.1140%2fepjp%2fs13360-023-03959-6&partnerID=40&md5=076fe04528cb149fb30bc043d35a5199
Evaluation of HPK n+-p planar pixel sensors for the CMS Phase-2 upgrade	Adam W., Institut für Hochenergiephysik, Wien, Austria; Bergauer T., Institut für Hochenergiephysik, Wien, Austria;	Applied Systems Analysis	Nuclear Instruments and Methods in Physics	2023	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160023935&doi=10.1016%2fj.nima.2023.168326&partnerID=40&md5=d45d5fc13d00d5daf3eca880caf4dcb4
Measurement of atmospheric neutrino mixing with improved IceCube DeepCore calibration and data processing	Abbasi R., Department of Physics, Loyola University Chicago, Chicago, 60660, IL, United States; Ackermann M., Deut	Physical Sciences	Physical Review D	2023	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166768123&doi=10.1103%2fPhysRevD.108.012014&partnerID=40&md5=1efbb59fddeedf4af971c519584f4b78
Constraining hadronization mechanisms with Λc+/D0 production ratios in Pb–Pb collisions at sNN=5.02 TeV	Acharya S., Variable Energy Cyclotron Centre, Homi Bhabha National Institute, Kolkata, India; Adamová D., Nuclear	Physical Sciences	Physics Letters, Section B: Nuclear, Element	2023	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150826666&doi=10.1016%2fj.physletb.2023.137796&partnerID=40&md5=f762da01f86dfc1311a5d49172f6c153
Constraining the K ¯ N coupled channel dynamics using femtoscopic correlations at the LHC	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron (	Physical Sciences	European Physical Journal C	2023	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158052545&doi=10.1140%2fepjc%2fs10052-023-11476-0&partnerID=40&md5=1f6fe021ce282f8c324643596f2f6fb6
Two-particle transverse momentum correlations in pp and p -Pb collisions at energies available at the CERN Large Hadron Collider	Acharya S., Université Clermont Auvergne, CNRS, IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162267825&doi=10.1103%2fPhysRevC.107.054617&partnerID=40&md5=d245e466a33423a5ff9b978c07dd3adc
Enhanced Deuteron Coalescence Probability in Jets	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Max-Planck-Institut fur Phy	Physical Sciences	Physical Review Letters	2023	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167750370&doi=10.1103%2fPhysRevLett.131.042301&partnerID=40&md5=87a5e789f9c83721e8c4d6bc3f0225f8
Σ (1385) ± resonance production in Pb–Pb collisions at √sNN=5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron (	Physical Sciences	European Physical Journal C	2023	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159950234&doi=10.1140%2fepjc%2fs10052-023-11475-1&partnerID=40&md5=1f2e023ac67f4e14b36eb0db56ae93fd
Measurement of the angle between jet axes in pp collisions at √s = 5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France; Adamová D., Nuclear Physi	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166272786&doi=10.1007%2fJHEP07%282023%29201&partnerID=40&md5=85e879340f3343603f8e502129645a7b
Observation of flow angle and flow magnitude fluctuations in Pb-Pb collisions at sNN =5.02 TeV at the CERN Large Hadron Collider	Acharya S., Université Clermont Auvergne, CNRS, IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron (	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162274234&doi=10.1103%2fPhysRevC.107.L051901&partnerID=40&md5=916ba2738f2b98e3d878e9e563928bbb
Measurement of the J/ψ Polarization with Respect to the Event Plane in Pb-Pb Collisions at the LHC	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron (	Physical Sciences	Physical Review Letters	2023	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167745487&doi=10.1103%2fPhysRevLett.131.042303&partnerID=40&md5=8f99494c53e691836a4fcb0ff03f48bf
First Measurement of Antideuteron Number Fluctuations at Energies Available at the Large Hadron Collider	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron (	Physical Sciences	Physical Review Letters	2023	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173459062&doi=10.1103%2fPhysRevLett.131.041901&partnerID=40&md5=c7cd1a048ac9b10e6d2356e321cd7c1c
Dielectron production at midrapidity at low transverse momentum in peripheral and semi-peripheral Pb–Pb collisions at √sNN = 5.02 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron (	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163101135&doi=10.1007%2fJHEP06%282023%29024&partnerID=40&md5=011eba0d84ae2218fce1f69849256bf3
A Search for Coincident Neutrino Emission from Fast Radio Bursts with Seven Years of IceCube Cascade Events	Abbasi R., Department of Physics, Loyola University Chicago, Chicago, 60660, IL, United States; Ackermann M., Deut	Physical Sciences	Astrophysical Journal	2023	0004-637X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154068653&doi=10.3847%2f1538-4357%2facbea0&partnerID=40&md5=848610cac73dee426314123ba34abbd4
Measurement of the production of charm jets tagged with D0 mesons in pp collisions at √s = 5.02 and 13 TeV	Acharya S., Université Clermont Auvergne, CNRS/IN2P3, LPC, Clermont-Ferrand, France, Variable Energy Cyclotron (	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163026323&doi=10.1007%2fJHEP06%282023%29133&partnerID=40&md5=902daa80e493b94aa639f53712a0cc7a
Constraining the surface curvature of an anisotropic neutron star	Das H.C., Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Train	Physical Sciences	Physical Review D	2023	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152787437&doi=10.1103%2fPhysRevD.107.083007&partnerID=40&md5=02c85d3384c604b72fd29ce049666fa1
Combining experimental and modelling approaches to understand the expansion of lattice parameter of epitaxial SrTi1-xTaxO3 (x = 0–0.1) films	Arya M., Department of Physics, School of Natural Sciences, Shiv Nadar University, Uttar Pradesh, 201314, India; Ku	Physical Sciences	Computational Materials Science	2023	0927-0256	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142154008&doi=10.1016%2fj.commatsci.2022.111917&partnerID=40&md5=59ca2968f5090689d51665d377a71cbe
Inclusive quarkonium production in pp collisions at √s = 5.02 TeV	Acharya S., Variable Energy Cyclotron Centre, Homi Bhabha National Institute, Kolkata, India; Adamová D., Nuclear	Physical Sciences	European Physical Journal C	2023	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146764717&doi=10.1140%2fepjc%2fs10052-022-10896-8&partnerID=40&md5=378ce13b33b9eebd88ca8552908dee9d
Photocurrent Polarity Switching and Enhanced Photoresponse in Silver Nanoparticles Decorated a-GaN-Based Photodetector	Singh D.K., CSIR-National Physical Laboratory, Dr. K. S. Krishnan Marg, New Delhi, 110012, India, Materials Research	Physical Sciences	ACS Applied Electronic Materials	2023	2637-6113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148941934&doi=10.1021%2facsaelm.2c01549&partnerID=40&md5=da38ced60c13a754db3ce428d09d7eaf
Role of Cu-doping in CdTe thin films: Experiments and simulations	Singh R., SUNAG Laboratory, Institute of Physics, Bhubaneswar, India, Homi Bhabha National Institute, Training Sch	Physical Sciences	Surface and Interface Analysis	2023	0142-2421	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142354080&doi=10.1002%2fsia.7172&partnerID=40&md5=b485ea29049b4ee7254a2a4e924d3ebb
Effect of an inner-transition metal (Dy) intercalation on the structure and magnetic properties of 1T–TiSe2	Naik S., Department of Chemistry, NIT Rourkela, Odisha, Rourkela, 769008, India; Sarangi S.N., Institute of Physics, E	Physical Sciences	Journal of Solid State Chemistry	2023	0022-4596	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143700678&doi=10.1016%2fj.jssc.2022.123782&partnerID=40&md5=1bb66075cd61b0a08d737ba66697450e
Polymerized stimuli-responsive microgels for the removal of organic dye from water	Pany B., School of Chemical Technology, Kalinga Institute of Industrial Technology (KIIT), Deemed to be University, E	Physical Sciences	Journal of Molecular Liquids	2023	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147845913&doi=10.1016%2fj.molliq.2023.121267&partnerID=40&md5=0ea3a1bfeeb356f737e42a64aaa8a0e2
Minimal scenario facet Bell inequalities for multi-qubit states	Das A., Institute of Physics, Sainik School, Sachivalaya Marg Odisha, Bhubaneswar, 751005, India, Homi Bhabha Nat	Physical Sciences	International Journal of Quantum Informatic	2023	0219-7499	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149543917&doi=10.1142%2fS0219749923500053&partnerID=40&md5=b8e9562d6b876bfa4f12e515612ceae4
Time evolution of Majorana corner modes in a Floquet second-order topological superconductor	Ghosh A.K., Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Tr	Chemical Sciences; Physi	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146891980&doi=10.1103%2fPhysRevB.107.035419&partnerID=40&md5=ff6cdfd9ac01b535f83aee8d51a658cd
Interference Effect of Beam Splitter Current in Iron-Pnictide Superconductors	Bag A., Institute of Physics, Odisha, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Maharashtra, Mu	Physical Sciences	Journal of Superconductivity and Novel Mag	2023	1557-1939	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146192840&doi=10.1007%2fs10948-022-06478-0&partnerID=40&md5=ff42d04436db29576ca64c97a1047e16
Linearly potentiated synaptic weight modulation at nanoscale in a highly stable two-terminal memristor	Sudheer, SUNAG Laboratory, Institute of Physics, Odisha, Bhubaneswar, 751 005, India; Mandal R., SUNAG Laborato	Physical Sciences	Applied Surface Science	2023	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141308978&doi=10.1016%2fj.apsusc.2022.155411&partnerID=40&md5=700f7b174187f2f67cfe027f552eedc6
Variation of structural and magnetic properties of mixed-valent manganites through A-site cationic ordering	Khatun A., Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Tra	Life Sciences; Physical Sci	Journal of Magnetism and Magnetic Materia	2023	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146921713&doi=10.1016%2fj.jmmm.2023.170367&partnerID=40&md5=54ae7a942687d01f58a3666ef3a1ed9c
Magnetic-field Induced Deformation in Hybrid Stars	Rather I.A., Centro de Astrofísica e Gravitação (CENTRA), Instituto Superior Técnico-IST, Universidade de Lisboa-UL,	Physical Sciences	Astrophysical Journal	2023	0004-637X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147148897&doi=10.3847%2f1538-4357%2faca85c&partnerID=40&md5=5e50b5ec2b75a1880d81b227a1e02ac0
High Responsivity in Monolayer MoS2 Photodetector via Controlled Interfacial Carrier Trapping	Sahoo S., Laboratory for Low Dimensional Materials, Institute of Physics, Bhubaneswar, 751005, India, Homi Bhabha	Physical Sciences	ACS Applied Electronic Materials	2023	2637-6113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147590169&doi=10.1021%2facsaelm.2c01567&partnerID=40&md5=d20eca39b2a73730cc7ca161944dd59e
Topological characterization and stability of Floquet Majorana modes in Rashba nanowires	Mondal D., Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Tra	Chemical Sciences; Physi	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147248229&doi=10.1103%2fPhysRevB.107.035427&partnerID=40&md5=46bbb1c104c023d79bdd92df2b21cc8a
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Cooperation and competition in the collective drive by motor proteins: mean active force, fluctuations, and self-load	Karan C., Institute of Physics, Sachivalaya Marg, Sainik School, Bhubaneswar, 751005, India, Homi Bhaba National In	Physical Sciences	Soft Matter	2023	1744-683X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148764031&doi=10.1039%2fd2sm01183b&partnerID=40&md5=ac88f10e68802f4262613ec9f87c350b
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Tailoring the phase transition from topological superconductor to trivial superconductor induced by magnetic textures of a spin chain on a p -wave supe	Chatterjee P., Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751005, India, Homi Bhabha National Institute,	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149637112&doi=10.1103%2fPhysRevB.107.085423&partnerID=40&md5=2216e921c40de2de9a580f24ac9dc1cb
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Fusion enhancement within a collective clusterization approach applied to the isotopic chain of neutron-rich light-mass compound nuclei	Kaur S., Department of Physics, Sri Guru Granth Sahib World University, Fatehgarh Sahib, 140406, India, Departmer	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147455461&doi=10.1103%2fPhysRevC.107.014613&partnerID=40&md5=4726995a3de6f409fbbb9613447baf0d
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Multifunctional 2D MoS2 Optoelectronic Artificial Synapse with Integrated Arithmetic and Reconfigurable Logic Operations for In-Memory Neuromorph	Sahu M.C., Laboratory for Low Dimensional Materials, Institute of Physics, Bhubaneswar, 751005, India, Homi Bhab	Physical Sciences	Advanced Materials Technologies	2023	2365-709X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139440979&doi=10.1002%2fadmt.202201125&partnerID=40&md5=905e96b0140e52d51b084fba6cd5f204
Role of cationic size mismatch and effect of disorder in mixed valent manganites	Khatun A., Institute of Physics, Sachivalaya Marg, Bhubaneswar, 751005, India, Homi Bhabha National Institute, Tra	Life Sciences; Physical Sci	AIP Advances	2023	2158-3226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147794503&doi=10.1063%2f9.0000526&partnerID=40&md5=3f385b306ea863b050c658ec067e47e1
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Magnetized neutron star crust within effective relativistic mean-field model	Parmar V., School of Physics and Materials Science, Thapar Institute of Engineering and Technology, Patiala, 147004	Physical Sciences	Physical Review D	2023	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149555918&doi=10.1103%2fPhysRevD.107.043022&partnerID=40&md5=e97f5f4e95a41bdd37efba2d0e4301e0
Bipolar Resistive Switching in TiO2 Artificial Synapse Mimicking Pavlov's Associative Learning	Jena A.K., Laboratory for Low-dimensional Materials, Institute of Physics, Bhubaneswar, 751005, India, Homi Bhabh	Physical Sciences	ACS Applied Materials and Interfaces	2023	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146037832&doi=10.1021%2fACSAMI.2C17228&partnerID=40&md5=4a2bdb28a9efa633dfa492137cd7974d
SERS sensing of Metanil yellow in turmeric solution using self-organized nanoparticle arrays grown on Ion beam patterned soda-lime glass	Augustine S., Institute for Plasma Research, Gandhinagar, 382428, India, Homi Bhabha National Institute, 2nd floor,	Physical Sciences	Photonics and Nanostructures - Fundament	2023	1569-4410	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162851581&doi=10.1016%2fj.photonics.2023.101166&partnerID=40&md5=8f6ab9cfa625e7a489495dc90195e590
Spatio-temporal dynamics of anisotropic emission from nano-second laser produced aluminium plasma	Geethika B.R., Institute for Plasma Research, Bhat, Gujarat, Gandhinagar, 382428, India, Homi Bhabha National Inst	Physical Sciences	Journal of Analytical Atomic Spectrometry	2023	0267-9477	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174272784&doi=10.1039%2fd3ja00228d&partnerID=40&md5=a5454b2d3c64174b7802d1bbba4dec83
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Study on structural properties of swift heavy ion induced damage in Al2O3	Patra P., ITER-India, Institute for Plasma Research, Ahmedabad, 380005, India; Shah S., ITER-India, Institute for Plas	Physical Sciences	Radiation Physics and Chemistry	2023	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163435680&doi=10.1016%2fj.radphyschem.2023.111128&partnerID=40&md5=b2f01a2b9eb2fbc9bafe5ef31776f3fc
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Manifestation of improvement in regenerator performance of a low and high-frequency pulse tube cryocooler using layered pattern	Desai A.B., Institute for Plasma Research, Gujarat, Gandhinagar, 382428, India; Dutta R., Anant School of Climate A	Physical Sciences	Thermal Science and Engineering Progress	2023	2451-9049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171611076&doi=10.1016%2fj.tsep.2023.102112&partnerID=40&md5=7eb8a4f096b134a938d626a50d7c2a96
Kinetic simulation of a 50 mTorr capacitively driven argon discharge over a range of frequencies and comparison to experiments	Simha S., School of Aeronautics and Astronautics, Purdue University, West Lafayette, 47906, IN, United States; Shar	Physical Sciences	Physics of Plasmas	2023	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168795018&doi=10.1063%2fJS.0157347&partnerID=40&md5=60abe3bcc8f10eb3fbc736a395c5e5a4
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Effect of ambient gas on grain growth of CZTS layer: study on device efficiency	Agrawal S., Institute for Plasma Research, Near Indira Bridge, Bhat, Gujarat, Gandhinagar, 382428, India, Homi Bhat	Physical Sciences	Journal of Materials Science: Materials in Ele	2023	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162122229&doi=10.1007%2fs10854-023-10776-1&partnerID=40&md5=2d6f0bef8fbf231c41bb306c37a7baa0
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High-Temperature Wear and Frictional Performance of Plasma-Nitrided AISI H13 Die Steel	Kumar A., Mechanical Engineering Department, Chandigarh Group of Colleges, Landran, Sahibzada Ajit Singh Nagar,	Engineering Sciences	Lubricants	2023	2075-4442	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175033386&doi=10.3390%2flubricants11100448&partnerID=40&md5=e1887d11c1698e1308d0f1a788b7dab5
Search for Gravitational Waves Associated with Fast Radio Bursts Detected by CHIME/FRB during the LIGO-Virgo Observing Run O3a	Abbott R., LIGO Laboratory, California Institute of Technology, Pasadena, 91125, CA, United States; Abbott T.D., Lou	Physical Sciences	Astrophysical Journal	2023	0004-637X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176949235&doi=10.3847%2F1538-4357%2facd770&partnerID=40&md5=d15047cce6d0fac4cce10e7aa7ee92d2
Investigation of EDF evolution and charged particle transport in E × B plasma based negative ion sources using kinetic simulations	Shah M., Institute for Plasma Research, Gandhinagar, 382428, India; Chaudhury B., Group in Computational Science	Physical Sciences	Scientific Reports	2023	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176908521&doi=10.1038%2fs41598-023-45656-5&partnerID=40&md5=fc7fb80e4ec69f5c9da5d9ce45dd9bqf
Role of micro- and nano-CeO2 reinforcements on characteristics and tribological performance of HVOF sprayed Cr3C2-NiCr coatings	Chauhan H.R., Sardar Vallabhbhai Patel Institute of Technology (SVIT), Gujarat, Vasad, India; Saladi S., Sardar Vallab	Physical Sciences	Surface and Coatings Technology	2023	0257-8972	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162121861&doi=10.1016%2fj.surfcoat.2023.129644&partnerID=40&md5=d556e656e2ec3924dd9731ae094cd28f
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Direct implicit and explicit energy-conserving particle-in-cell methods for modeling of capacitively coupled plasma devices	Sun H., Swiss Plasma Center (SPC), École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, CH-1015, Switzerla	Physical Sciences	Physics of Plasmas	2023	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175533510&doi=10.1063%2f5.0160853&partnerID=40&md5=ebdfe6a58869f1b8bdc5822e8358db6d5
Comparative wettability study of bulk and thin film of polytetrafluoroethylene after low energy ion irradiation	Pachchigar V., Institute for Plasma Research, Near Indira Bridge, Bhat, Gujarat, Gandhinagar, 382428, India, Homi B	Physical Sciences	Thin Solid Films	2023	0040-6090	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159200697&doi=10.1016%2fj.tsf.2023.139888&partnerID=40&md5=73eec212dd29ce63e7082d2d49dc939b
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Spatial flux and energy asymmetry in a low pressure capacitively coupled plasma discharge excited by sawtooth waveform: A harmonic study	Sharma S., Institute for Plasma Research, Gandhinagar, 382428, India, Homi Bhabha National Institute, Anushakti N	Physical Sciences	Physics of Plasmas	2023	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165373938&doi=10.1063%2f5.0151866&partnerID=40&md5=42f153f0af4f0e4953f8aefaf9bff3364
Preliminary engineering design of vacuum thermal shielded Pb-Li loop section for potential nuclear fusion application	Rayjada P.A., Institute for Plasma Research, Gandhinagar, 382428, India; Mehta V., Institute for Plasma Research,	Engineering Sciences	Fusion Engineering and Design	2023	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166282817&doi=10.1016%2fj.fusengdes.2023.113932&partnerID=40&md5=3fa3ebd0fea5f87266bbf8832b43ea42e3
Argon, neon, and nitrogen impurity transport in the edge and SOL regions of a tokamak	Raj S., Institute for Plasma Research, A CI of Homi Bhabha National Institute, Gandhinagar Gujarat, Bhat, 382428, In	Physical Sciences	Physics of Plasmas	2023	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161023676&doi=10.1063%2f5.0142975&partnerID=40&md5=1328c826aeddd9f0ac373898f76e1d14
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Pinning of graphene for conformal wrinkling over a soft corrugated substrate through prestretch-release process	Pandey M., Department of Physics, Indian Institute of Technology Ropar, Punjab, Rupnagar, 140001, India; Parida B	Physical Sciences	Applied Surface Science Advances	2023	2666-5239	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163881754&doi=10.1016%2fj.apsadv.2023.100433&partnerID=40&md5=d7158ea62f79936cf93aff1141f75c19
Runaway electron mitigation with pulsed localized vertical magnetic field perturbation in ADITYA tokamak	Tanna R.L., Institute for Plasma Research, Nr. Indira Bridge Gandhinagar, Bhat, 382428, India, Institute of Science, N	Physical Sciences	Nuclear Fusion	2023	0029-5515	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163476116&doi=10.1088%2f1741-4326%2facdc3ab&partnerID=40&md5=7bee8b9408c83693b6543e9b215d98c2
Discharge characteristics of a low-pressure geometrically asymmetric cylindrical capacitively coupled plasma with an axisymmetric magnetic field	Dahiya S., Institute for Plasma Research, Bhat, Gujarat, Gandhinagar, 382428, India, Homi Bhabha National Institut	Physical Sciences	Physics of Plasmas	2023	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173429876&doi=10.1063%2f5.0160506&partnerID=40&md5=f83c74ea81b43dedf4a645d879a44ee15
Constraints on the Cosmic Expansion History from GWTC-3	Abbott R., LIGO Laboratory, California Institute of Technology, Pasadena, 91125, CA, United States; Abe H., Graduat	Physical Sciences	Astrophysical Journal	2023	0004-637X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163895637&doi=10.3847%2F1538-4357%2fac74bb&partnerID=40&md5=c2f1ae3af2131955304 3c8c8a791971a
Variation in defects and properties in composite of ZnO and α-Fe2O3for sustainable wastewater treatment	Warepgam B., Department of Physics, National Institute of Technology, Manipur, Langol, 795004, India; Priyanand	Physical Sciences	Journal of Applied Physics	2023	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162985702&doi=10.1063%2f5.0151016&partnerID=40&md5=b61870db279348924718c55b9afbecbda
Study of a collisionless magnetized plasma sheath with nonextensively distributed species	Paul R., Centre of Plasma Physics, Institute for Plasma Research, Assam, 782402, India; Deka K., Centre of Plasma Ph	Physical Sciences	Plasma Science and Technology	2023	1009-0630	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170282141&doi=10.1088%2f2058-6272%2face1d4&partnerID=40&md5=b522983fee0a7b781180b7a900c142be
Theory of plasma blob formation and its numerical and experimental validations	Bisai N., Institute for Plasma Research, Bhat, Gujarat, Gandhinagar, 382428, India, Homi Bhabha National Institute,	Physical Sciences	Reviews of Modern Plasma Physics	2023	2367-3192	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165917353&doi=10.1007%2fs41614-023-00124-5&partnerID=40&md5=274c958d2ff75839326f1c8088fe01fc
Study of physico-chemical and antibacterial properties of DBD plasma treated ahimsa silk coated with natural active agent	Singh M., Manipal University, Rajasthan, Jaipur, India; Vajpayee M., Manipal University, Rajasthan, Jaipur, India; Leo	Chemical Sciences	Physica Scripta	2023	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85157974322&doi=10.1088%2f1402-4896%2facceee2&partnerID=40&md5=37bbf21e0cb6a9ebb86c4f5e43d8291d
Gyrokinetic simulation of short wavelength ion temperature gradient instabilities in the ADITYA-U tokamak	Singh A.K., Institute for Plasma Research, Gandhinagar Gujarat, Bhat, 382428, India, Homi Bhabha National Institut	Physical Sciences	Nuclear Fusion	2023	0029-5515	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162272233&doi=10.1088%2f1741-4326%2facebb&partnerID=40&md5=aeb7e585af1a125446987 2bda0218aa5
Enhancing the physicochemical properties and reactive species concentration of plasma activated water using an air bubble diffuser	Rathore V., Institute for Plasma Research (IPR), Gandhinagar, Gujarat, 382428, India, Homi Bhabha National Institut	Chemical Sciences; Engin	Physics Letters, Section A: General, Atomic a	2023	0375-9601	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166489016&doi=10.1016%2fj.physleta.2023.129035&partnerID=40&md5=cfb3c186fdd426a214693b67d4da7017b
Spatial mapping of low pressure cluster jets using Rayleigh scattering	Patel M., Institute for Plasma Research, Near Bhat, Gujarat, Gandhinagar, 382428, India, Homi Bhabha National Ins	Physical Sciences	Scientific Reports	2023	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152863895&doi=10.1038%2fs41598-023-32372-2&partnerID=40&md5=66cc449430f0683b2c4f1799a1b65ed6a
Revisiting kinematic fast dynamo in three-dimensional magnetohydrodynamicplasmas: dynamo transition from non-helical to helical flows	Biswas S., Institute for Plasma Research, Gandhinagar Gujarat, Bhat, 382428, India, Homi Bhabha National Institute,	Physical Sciences	Physica Scripta	2023	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163346129&doi=10.1088%2f1402-4896%2facdccf&partnerID=40&md5=f382ab874c7556bbb9114cd8e5e6f6b
Laser-cluster interaction in an external magnetic field: Emergence of a nearly monoenergetic weakly relativistic electron beam	Swain K., Institute for Plasma Research, Bhat, Gandhinagar, 382428, India, Homi Bhabha National Institute, Training	Physical Sciences	Physical Review A	2023	2469-9926	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176117907&doi=10.1103%2fPhysRevA.108.053104&partnerID=40&md5=d8c502a260ef63275c5e0ba26b37791b
Open Data from the Third Observing Run of LIGO, Virgo, KAGRA, and GEO	Abbott R., LIGO Laboratory, California Institute of Technology, Pasadena, 91125, CA, United States; Abe H., Graduat	Physical Sciences	Astrophysical Journal, Supplement Series	2023	0067-0049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172245508&doi=10.3847%2F1538-4365%2facb9f9&partnerID=40&md5=597638331ec4395fd365ec0568be1558
Pressureless manufacturing of high purity Ti3AlC2 MAX phase material: Synthesis and characterisation	Desai V., Institute for Plasma Research, Bhat, Gandhinagar, 382428, India, Homi Bhabha National Institute, Training	Engineering Sciences	Vacuum	2023	0042-207X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160322951&doi=10.1016%2fj.vacuum.2023.112221&partnerID=40&md5=a8cb6aa9b3b2202cb25627efaf31bc7d
Role of translational noise on current reversals of active particles on ratchet	Chugh A., Institute for Plasma Research, Bhat, Gandhinagar, 382428, India, Homi Bhabha National Institute, Training	Physical Sciences	Scientific Reports	2023	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172226891&doi=10.1038%2fs41598-023-42066-5&partnerID=40&md5=6242fe3396d4421aab43857f17446d2b
O-mode reflectometry on Aditya-U	Buch J.J.U., Institute for Plasma Research, Bhat, Gandhinagar, 382428, India, Homi Bhabha National Institute, Anush	Engineering Sciences	Fusion Engineering and Design	2023	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150313231&doi=10.1016%2fj.fusengdes.2023.113746&partnerID=40&md5=449168d9a622b6e90ee8b9e5e33e0886
The development of a novel apparatus to measure the emissivity of high-roughness materials at 82 K	Desai A., Institute for Plasma Research, 382 428, India; Ganguly P., Institute for Plasma Research, 382 428, India;	Physical Sciences	Measurement Science and Technology	2023	0957-0233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164032168&doi=10.1088%2f1361-6501%2facf2b6&partnerID=40&md5=d2ef29115d6f5f9d7d4d2f291b5
Role of pinch in Argon impurity transport in ohmic discharges of Aditya-U Tokamak	Shah K., Department of Physics, Pandit Deendayal Energy University, Raisan, Gandhinagar, 382 007, India; Ghosh J.,	Physical Sciences	Scientific Reports	2023	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172283102&doi=10.1038%2fs41598-023-42746-2&partnerID=40&md5=5436cd1054459f9e025d5c787e3bfbe2
Enhancement of Shelf Life of Citrus Limon L. (Lemon) Using Plasma Activated Water	Rathore V., Institute for Plasma Research (IPR), Gujarat, Gandhinagar, 382428, India, Homi Bhabha National Institut	Chemical Sciences	Plasma Chemistry and Plasma Processing	2023	0272-4324	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164920164&doi=10.1007%2fs11090-023-10356-5&partnerID=40&md5=073f9a2bd1d428ed7a3dfc83d7f097a1
Trapping of agglomerated nanoparticles by the acoustic field: influence of particle diameter and density on the trap efficiency	Kandada S.P.R., Institute for Plasma Research, Gandhinagar, 382 428, India, Homi Bhabha National Institute, Anush	Physical Sciences	Pramana - Journal of Physics	2023	0304-4289	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173847223&doi=10.1007%2fs12043-023-02663-5&partnerID=40&md5=30b3efe5b8bbe1b6be6e0b3b11cc94bd
Impact of edge biasing on the cross-field transport and power spectra	Shankar V., Institute for Plasma Research, Gandhinagar, 382428, India, Homi Bhabha National Institute, Training	Physical Sciences	Physics of Plasmas	2023	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161077634&doi=10.1063%2f5.0140301&partnerID=40&md5=852ff24a85e17d5f5e0614495b88eaee
High temperature vacuum brazing of tungsten to tungsten alloy with structural material	Singh K.P., Institute for Plasma Research, Bhat, Gujarat, Gandhinagar, 382 428, India; Patel S., Institute for Plasma	Physical Sciences	Fusion Engineering and Design	2023	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175739383&doi=10.1016%2fj.fusengdes.2023.114058&partnerID=40&md5=ca9a5771605c881ba613476eda77a72
GWTC-3: Compact Binary Coalescences Observed by LIGO and Virgo during the Second Part of the Third Observing Run	Abbott R., LIGO Laboratory, California Institute of Technology, Pasadena, 91125, CA, United States; Abbott T.D., Lou	Physical Sciences	Physical Review X	2023	2160-3308	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168268026&doi=10.1103%2fPhysRevX.13.041048&partnerID=40&md5=8e4c4b52d1d6bf136de9e0288dcabd25
Experimental investigation of a triple point in a dusty plasma	Singh S., Institute for Plasma Research, A CI of Homi Bhabha National Institute, Gandhinagar, Bhat, 382428, India; B	Physical Sciences	Physics of Plasmas	2023	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179130565&doi=10.1063%2f5.0170437&partnerID=40&md5=dd146146d49a7603a4ca8e489ec140788
Development of isotopically labelled 65Cu embedded PMMA-65CuO nanocomposites for detection and quantification of PMMA bone cement degradat	Malvi B., Materials Engineering, Indian Institute of Technology, India; Chakraborty S., GEES, University of Birminghа	Physical Sciences	Materials Today Communications	2023	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167984018&doi=10.1016%2fj.mtcomm.2023.106849&partnerID=40&md5=eebce0cc78a8fdd83765696b67f16620
Effect of flow shear on the onset of dynamos	Biswas S., Institute for Plasma Research, Gandhinagar Gujarat, Bhat, 382428, India, Homi Bhabha National Institute,	Physical Sciences	Physics of Plasmas	2023	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176571721&doi=10.1063%2f5.0170796&partnerID=40&md5=05f2dd8caa42df75b4ce4d10e090cfb8
Effect of laser intensity redistribution on terahertz field generation via laser wakefield in a magnetized plasma	Singh A.P., Department of Physics and Electronics, Rajdhani College (University of Delhi), Delhi, 110015, India; Varyl	Physical Sciences	Indian Journal of Physics	2023	0973-1458	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151620357&doi=10.1007%2fs12648-023-02687-y&partnerID=40&md5=9203fbf9c16a7fb3235f8356dcde09c1
Effect of external magnetic field and dust grains on the properties of ion-acoustic waves	Deka K., Centre of Plasma Physics, Institute for Plasma Research, Assam, Sonapur, 782402, India; Paul R., Centre of	Physical Sciences	Journal of Plasma Physics	2023	0022-3778	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171750258&doi=10.1017%2FS0022377823000661&partnerID=40&md5=d5cd8a538676e1d9528574fabfd04963
Effect of cage bias and electron emission on the two-electron temperature plasma in a hot cathode discharge	Sangma J., Centre of Plasma Physics-Institute for Plasma Research (CPP-IPR), Tepesia, Kamrup (M), Assam, 782402,	Physical Sciences	Physica Scripta	2023	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163411056&doi=10.1088%2f1402-4896%2facdda&partnerID=40&md5=5b080f1&abbba4149a816babbfc91ac9
Heat transfer and fluid flow analysis of pebble bed and its verification with artificial neural network	Gedari C., Institute of Plasma Research, Bhat, Gujarat, Gandhinagar, 382428, India, Homi Bhabha National Institute	Engineering Sciences	Nuclear Materials and Energy	2023	2352-1791	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178013752&doi=10.1016%2fj.nme.2023.101498&partnerID=40&md5=dbb21a2b2f44ef0f93bd79755c6d2ed1
Automated plasma probing system for laboratory experiments in high vacuum using closed loop control	Roy R., Institute for Plasma Research, Gandhinagar, 382428, India, Homi Bhabha National Institute, Mumbai, 40009	Engineering Sciences; Ph	Fusion Engineering and Design	2023	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161284834&doi=10.1016%2fj.fusengdes.2023.113849&partnerID=40&md5=0bf275819ac2fc1cf343799201af7818
Manifold enhancement in the near-field and SERS efficiency of all-sputter grown Ag-nanoparticles on Al-film based mirror structures	Saini M., Facilitation Centre for Industrial Plasma Technologies, Institute for Plasma Research, Gujarat, Gandhinagar	Physical Sciences	Surfaces and Interfaces	2023	2468-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169782697&doi=10.1016%2fj.surfin.2023.103263&partnerID=40&md5=285bf5c2eef0972b64750b358d7c8184b
Effect of Pre-treatment and Duration of Pulse Plasma Nitriding on Duplex Plasma Treatment by Physical Vapor Deposition of TiN on AISI D2 Steel	Das K., Department of Metallurgy and Materials Engineering, Indian Institute of Engineering Science and Technolog	Engineering Sciences; Ph	Journal of Materials Engineering and Perfor	2023	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145844071&doi=10.1007%2fs11665-022-07776-3&partnerID=40&md5=77a56f2779c37d15df6d984f2b960000
Study of Ohmic breakdown and burnthrough phase of ADITYA tokamak	Patel S., Pandit Deendayal Energy University, Gandhinagar, 382 426, India; Tanna R.L., Institute for Plasma Research	Physical Sciences	Physics of Plasmas	2023	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179893291&doi=10.1063%2f5.0169732&partnerID=40&md5=2ff691e4bac38e08a43782795580b749d
Experimental Studies on the Roles of Space Charge Neutralization in a Ring Cusp Ion Source	Rawat B.S., Institute for Plasma Research, Gujarat, Gandhinagar, 382428, India, Training School Complex, Homi Bha	Physical Sciences	IEEE Transactions on Plasma Science	2023	0093-3813	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168756917&doi=10.1109%2TPS.2023.3302418&partnerID=40&md5=61848d6b422c316091ebe4ad72315c1c9
Simulation of silicon etching in NF3 plasma reactor	Swami H.L., Institute for Plasma Research, Gandhinagar, 382 428, India; Mehta V., Institute for Plasma Research, Ga	Engineering Sciences	Pramana - Journal of Physics	2023	0304-4289	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167393346&doi=10.1007%2fs12043-023-02579-0&partnerID=40&md5=4184c00ec29d686a07f61ea69633dc47
Applied Plasma Physics Experiments in Linear (APPEL) device for plasma surface interaction studies	Patil Y., Institute for Plasma Research, Bhat, Gujarat, Gandhinagar, 382428, India; Karkari S.K., Institute for Plasma	Physical Sciences	Fusion Engineering and Design	2023	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175302246&doi=10.1016%2fj.fusengdes.2023.114056&partnerID=40&md5=78d7e17f0ff4fc1e5d42d228bad8fa4f2
Overview of the Experimental Helium Cooling (EHCL) system	Yadav B.K., Institute for Plasma Research, Bhat, Gandhinagar, India; Gandhi A., Institute for Plasma Research, Bhat,	Engineering Sciences	Fusion Engineering and Design	2023	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173090813&doi=10.1016%2fj.fusengdes.2023.114006&partnerID=40&md5=c66c934d95a19c9cd539a410121a9dd1
Physics design of 14 MeV neutron generator facility at the Institute for Plasma Research	Swami H.L., Institute for Plasma Research, Gandhinagar, 382428, India; Vala S., Institute for Plasma Research, Gand	Engineering Sciences	Plasma Science and Technology	2023	1009-0630	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173115682&doi=10.1088%2f2058-6272%2facfee6da&partnerID=40&md5=d41417513c126d5d5cafcfe03299481c
A case study of thermal mixing behavior of hot and cold fluid in T-junction with/without mixing jets	Rimza S., Fusion Blanket Division, Blanket Cooling Section, Institute for Plasma Research (IPR), Bhat, Gandhinagar, 3	Engineering Sciences; Ph	Case Studies in Thermal Engineering	2023	2214-157X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171567631&doi=10.1016%2fj.csite.2023.103417&partnerID=40&md5=909a1b0b9cedb0988382352088dc379d
Interaction of a precursor soliton with wake structure in a flowing dusty plasma	Kumar K., Institute for Plasma Research, A CI of Homi Bhabha National Institute, Gandhinagar Gujarat, Bhat, 382428	Physical Sciences	Physics of Plasmas	2023	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164286070&doi=10.1063%2f5.0149355&partnerID=40&md5=87939a6939d57a6a69788dd4c364d3cb33
3D computational fluid dynamics analysis of PINI ion source back plate under high heat flux condition	Patel T., Institute for Plasma Research, Bhat, Gujarat, Gandhinagar, 382428, India; Jana M.R., Institute for Plasma R	Physical Sciences	Fusion Engineering and Design	2023	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160522112&doi=10.1016%2fj.fusengdes.2023.113841&partnerID=40&md5=81D3c7e9e06cecf6a12a636d28edf61d
Effect of Inlet/outlet height variations on P-Q characteristics of an electromagnetic pump for heavy liquid metals	Sahu S., Institute for Plasma Research, Gandhinagar, 382428, India; Tiwari S., Institute for Plasma Research, Gandh	Engineering Sciences	Fusion Engineering and Design	2023	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159119238&doi=10.1016%2fj.fusengdes.2023.113455&partnerID=40&md5=2b2b2b7114b11d87a2c9d2d7d7112ee67a4
Shielded ionisation discharge (SID) probe for spatiotemporal profiling of pulsed molecular beam	Patel M., Institute for Plasma Research, Gujarat, Near Bhat, Gandhinagar, 382428, India, Homi Bhabha National Insti	Physical Sciences	Review of Scientific Instruments	2023	0034-6748	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174904290&doi=10.1063%2f5.0157454&partnerID=40&md5=cd30031c89553642dcb8908de20d465b
Experience of pumping the vacuum vessel of SST-1 during the baking cycle with indigenously developed liquid nitrogen cooled sorption pump	Gupta V., Institute for Plasma Research, Bhat, Gandhinagar, 382428, India; Mukherjee S., Institute for Plasma Res	Engineering Sciences; Ph	Fusion Engineering and Design	2023	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167988143&doi=10.1016%2fj.fusengdes.2023.113950&partnerID=40&md5=4ad9ab1c9afcb73d3d06c807ae530d6a
Improving electrochemical sensitivity of screen-printed carbon electrodes by atmospheric pressure plasma jet treatment and electrochemical detection	Barman K., Department of Physics, Indian Institute of Technology, Kanpur, India; Luhar S., Analytical & Environmen	Chemical Sciences; Physi	Plasma Processes and Polymers	2023	1612-8850	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167164287&doi=10.1002%2fppap.202200161&partnerID=40&md5=c08751c42aa15569bf9021c6c2f60872
Thermostructural Analysis of Large Cryopumping Test Facility	Agravat H.S., Institute for Plasma Research, Bhat, Gujarat, Gandhinagar, 382 428, India; Mukherjee S.S., Institute for	Physical Sciences	Fusion Science and Technology	2023	1536-1055	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153237609&doi=10.1080%2f15361055.2023.2178252&partnerID=40&md5=efadf4734d096d157d2a9d60057825284
Confinement controlled dynamical structural rearrangement in a quasi-2D dusty plasma crystal	Singh S., Institute for Plasma Research, A CI of Homi Bhabha National Institute, Gandhinagar, Bhat, 382428, India; B	Physical Sciences	Physics of Plasmas	2023	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151856634&doi=10.1063%2f5.0147850&partnerID=40&md5=4c2ad03077467b3277d131c274d8c24c4
Phase switching phenomenon in a system of three coupled DC glow discharge plasmas	Chaubey N., Institute for Plasma Research, Gandhinagar, 382428, India; Kumar Shaw P., Raja Peary Mohan College,	Physical Sciences	Chaos	2023	1054-1500	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150182135&doi=10.1063%2f5.0130226&partnerID=40&md5=c7db222920c0a905577740687b81a6b3
Study of two-electron temperature plasma sheath using non-extensive electron distribution in presence of an external magnetic field	Sharma G., Centre of Plasma Physics, Institute for Plasma Research, Nazirakhat, Sonapur, Kamrup(M), Assam, 782402	Physical Sciences	AIP Advances	2023	2158-3226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164622632&doi=10.1063%2f5.0128420&partnerID=40&md5=cbfa1c4c066e13fa409ac37830f59685
Investigation of Temporal Evolution of Hard X-Ray Spectrum from Neon-Seeded Plasma of ADITYA-U Tokamak	Purohit S., Institute for Plasma Research, Bhat, Gujarat, Gandhinagar, 382428, India, Homi Bhabha National Institute,	Engineering Sciences; Ph	Plasma and Fusion Research	2023	1880-6821	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174898742&doi=10.1585%2FPFR.18.2402079&partnerID=40&md5=498085e6e9cc f9874b43e64fa25f0836
Study of plasma sheath in the presence of dust particles in a magnetic mirror-like field configuration	Deka K., Centre of Physics, Institute for Plasma Research, Assam, Sonapur, 782402, India; Sharma G., Centre	Physical Sciences	Physica Scripta	2023	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150453147&doi=10.1088%2f1402-4896%2facc0b4&partnerID=40&md5=9243099f783f7f6b23ed2cf2af900d0a
Power exhaust and core-divertor compatibility of the baffled snowflake divertor in TCV	Gorno S., Swiss Plasma Center (SPC), École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland; Cola	Physical Sciences	Plasma Physics and Controlled Fusion	2023	0741-3335	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147324636&doi=10.1088%2f1361-6587%2facad26&partnerID=40&md5=5590d740b707a49b89dac5f8a40e8960
Transition of a 2D crystal to a non-equilibrium two-phase coexistence state	Singh S., Institute for Plasma Research, A CI of Homi Bhabha National Institute, Gandhinagar, Bhat, 382428, India; B	Physical Sciences	Physics of Plasmas	2023	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153227011&doi=10.1063%2f5.0139228&partnerID=40&md5=bb641ac8c4dd4cb9e9cabab9b8e2ae18s
Lane formation in 3D driven pair-ion plasmas: II Non-Parallel External Forcing	Prajapati V.K., Department of Physics, School of Basic Sciences, Assam Kaziranga University, Assam, Jorhat, 785006,	Physical Sciences	Journal of Plasma Physics	2023	0022-3778	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147085558&doi=10.1017%2FS0022377823000878&partnerID=40&md5=c5109a3ae2c1d7b4	
Application of similarity theory to predict operational characteristics of

High-temperature solid-state synthesis and characterization of mixed-phase Sr2CeO4–SrCeO.85Y0.15O3-δ ceramic: a potential proton-conducting ceram	Shrivastava A., Institute for Plasma Research, Gujarat, Gandhinagar, 382428, India; Yadav D., Institute for Plasma Re	Engineering Sciences	Journal of Materials Science: Materials in Ele	2023	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147512587&doi=10.1007%2fs10854-023-09900-y&partnerID=40&md5=592771406ea5ab36ac1096a136555888a
Role of magnetohydrodynamic activity in sawtooth induced heat pulse propagation in ADITYA tokamak	Patel S., Pandit Deendayal Energy University, Raisan, Gandhinagar, 382 007, India; Ghosh J., Institute of Plasma Re	Physical Sciences	Nuclear Fusion	2023	0029-5515	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147732243&doi=10.1088%2f1741-4326%2facace&partnerID=40&md5=2388e7fb434ad419373bfa526942e156
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Experimental investigation of rarefied flows through supersonic nozzles	Patel M., Institute for Plasma Research, Near Bhat, Gujarat, Gandhinagar, 382428, India, Home Bhabha National Insti	Physical Sciences	Vacuum	2023	0042-207X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150341168&doi=10.1016%2fj.vacuum.2023.111909&partnerID=40&md5=26aa7e395a9c3723119b6254a06c5b9b
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Au/Ag SERS active substrate for broader wavelength excitation	Augustine S., Institute for Plasma Research, Gandhinagar, 382428, India, Homi Bhabha National Institute, Gujarat	Physical Sciences	Optical Materials	2023	0925-3467	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144089034&doi=10.1016%2fj.optmat.2022.113319&partnerID=40&md5=e543fd0f915cddc94f727b83a6a1ba88
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Correlation of interfacial and dielectric characteristics in atomic layer deposited Al2O3/TiO2 nanolaminates grown with different precursor purge times	Padhi P.S., Oxide Nano Electronics Lab., Laser Material Processing Division, Raja Ramanna Centre for Advanced Tec	Physical Sciences	Journal of Vacuum Science and Technology	2023	0734-2101	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171927745&doi=10.1116%2f6.0002849&partnerID=40&md5=ef6a68819fa7b117741e2acf1f0fba9a3
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Stereoselective Synthesis of 2-Styryl Sulfides from Nucleophilic Addition of Arylacetylenes and Benzyl Thiols	Dinda T.K., School of Chemical Sciences, National Institute of Science Education and Research (NISER) Bhubaneswar	Chemical Sciences	Journal of Organic Chemistry	2023	0022-3263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164685705&doi=10.1021%2facs.joc.3c00911&partnerID=40&md5=7605f09e6f81dc70cdc149869552780a0
Synthesis, Characterization, and Singlet Oxygen Sensitization by Antimony (III/V) Corrole Complexes	Mondal S., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Bhubaneswa	Chemical Sciences	European Journal of Inorganic Chemistry	2023	1434-1948	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164198147&doi=10.1002%2fejic.202300283&partnerID=40&md5=fc2d21aa0b019171f8f8348721f8bb77ec
Hydrosilylation of Terminal Alkynes Catalyzed by an Air-Stable Manganese-NHC Complex	Behera R.R., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC of	Chemical Sciences	Journal of Organic Chemistry	2023	0022-3263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163692028&doi=10.1021%2facs.joc.3c00127&partnerID=40&md5=d4eaaa2fdb42356bf13b2f43a32295d
Zinc Catalyzed Hydroelementation (HE; E = B, C, N, and O) of Carbodiimides: Intermediates Isolation and Mechanistic Insights	Sahoo R.K., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Homi Bhabh	Chemical Sciences	Organometallics	2023	0276-7333	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150477794&doi=10.1021%2facs.organomet.2c00610&partnerID=40&md5=19aff0c91d8cf24fa35efaf589ac0a62
A broadband thermal emission spectrum of the ultra-hot Jupiter WASP-18b	Coulombe L.-P., Department of Physics, Université de Montréal, Montréal, QC, Canada, Trottier Institute for Resear	Physical Sciences	Nature	2023	0028-0836	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166512433&doi=10.1038%2fs41586-023-06230-1&partnerID=40&md5=14a48f20f7e48aef3b58a38e887eab9f
Switching global correlations on and off in a many-body quantum state by tuning local entanglement	Benjamin C., School of Physical Sciences, National Institute of Science Education and Research, HBNI, Jatni, 752050,	Physical Sciences	Chaos	2023	1054-1500	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171696664&doi=10.1063%2f5.0171825&partnerID=40&md5=306fb892b05414ee895fd5a99bfcb246
Desolvation Induced Conformational Transition in a Cryptophane Host: Crystal To Crystal Transformation	Ghosh P., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Jatni, Odisha,	Chemical Sciences	Chemistry - An Asian Journal	2023	1861-4728	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162863240&doi=10.1002%2fasia.202300428&partnerID=40&md5=1989465b5a21a6f287dc17f6583ce353
Artificial neural networks and their utility in fitting potential energy curves and surfaces and related problems	Biswas R., School of Chemical Sciences, National Institute of Science Education and Research (NISER) Bhubaneswar,	Chemical Sciences	Journal of Chemical Sciences	2023	0974-3626	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150974170&doi=10.1007%2fs12039-023-02136-7&partnerID=40&md5=71f7876cabf1229c9fdfbf6c07660a54
A novel algorithm for mapping carbonates using CRISM hyperspectral data	Dhoundiyal S., Centre of Studies in Resources Engineering, Indian Institute of Technology Bombay, Maharashtra, M	Physical Sciences	Icarus	2023	0019-1035	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163651978&doi=10.1016%2fj.icarus.2023.115034&partnerID=40&md5=c8fd76ab64c13cd05c9070245d533c041
Braided Quantum Groups and Their Bicomodules in the C*-Algebraic Framework	Roy S., School of Mathematical Sciences, National Institute of Science Education and Research (NISER), Odisha, Bhub	Mathematical Sciences	International Mathematics Research Notices	2023	1073-7928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154800109&doi=10.1093%2fimrn%2frnac151&partnerID=40&md5=c78b04b5b2c5b5b00236c5fa5e
Photochemically produced SO2 in the atmosphere of WASP-39b	Tsai S.-M., Atmospheric, Oceanic and Planetary Physics, Department of Physics, University of Oxford, Oxford, Unite	Physical Sciences	Nature	2023	0028-0836	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153595106&doi=10.1038%2fs41586-023-05902-2&partnerID=40&md5=06078387dac7b715a1a908f03bc9c756
Rotational state-changes in CSN– by collisions with He and H2	Biswas R., School of Chemical Sciences, National Institute of Science Education and Research (NISER) Bhubaneswar,	Chemical Sciences	Monthly Notices of the Royal Astronomical S	2023	0035-8711	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161508931&doi=10.1093%2fmnras%2fstad1261&partnerID=40&md5=fbd1d9c8317c26617ce6ec621827362e
Beam Energy Dependence of Triton Production and Yield Ratio (Nt×Np/ Nd2) in Au+Au Collisions at RHIC	Abdulhamid M.I., American University of Cairo, New Cairo, 11835, Egypt; Aboona B.E., Texas A and M University, Co	Physical Sciences	Physical Review Letters	2023	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160894317&doi=10.1103%2fPhysRevLett.130.202301&partnerID=40&md5=e56d25d52a5d61e400725f10b8fcdb3d
Harnessing the hydrogen evolution reaction (HER) through the electrical mobility of an embossed Ag(I)-molecular cage and a Cu(II)-coordination polyme	Debnath A., Department of Chemistry, University of North Bengal, Darjeeling, 734013, India; Diyali S., Department	Chemical Sciences	Dalton Transactions	2023	1477-9226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163890800&doi=10.1039%2fd3dt01073b&partnerID=40&md5=6ac66399aa5ba5f7b830a34272cf4e65
Search for low-mass dark matter via bremsstrahlung radiation and the Migdal effect in SuperCDMS	Albakry M.F., Department of Physics and Astronomy, University of British Columbia, Vancouver, V6T 1Z1, BC, Canad	Physical Sciences	Physical Review D	2023	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164034759&doi=10.1103%2fPhysRevD.107.112013&partnerID=40&md5=2a730fbaa3958e8031fc91c20199f247
Global polarization of Λ and Λ¯ hyperons in Au+Au collisions at sNN =19.6 and 27 GeV	Abdulhamid M.I., American University in Cairo, New Cairo, 11835, Egypt; Aboona B.E., Texas A and M University, Co	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161287366&doi=10.1103%2fPhysRevC.108.014910&partnerID=40&md5=d5f211bd41d807cc0955f91c28594880f5
Halo mass function in scale invariant models	Gavas S., Iiser Mohali, Knowledge City, Sector 81, SAS Nagar, Punjab, PO, Manauli, 140306, India; Bagla J., Iiser Moh	Physical Sciences	Monthly Notices of the Royal Astronomical S	2023	0035-8711	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159703356&doi=10.1093%2fmnras%2fstad935&partnerID=40&md5=4acb561eaffa7b6551523581853304e	
Base metal iron catalyzed sustainable oxidation of vanillyl alcohol to vanillic acid in water and its deep eutectic solvents and implementation of vanillic acid for fine-ch	Ghosh R., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Jatni, Odisha,	Chemical Sciences; Physi	RSC Sustainability	2023	2753-8125	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171544893&doi=10.1039%2fd3su00114h&partnerID=40&md5=cf09a98eff8727cf04a56d0094fd2d63
Measurements of the Elliptic and Triangular Azimuthal Anisotropies in Central He 3 +Au, d+Au and p+Au Collisions at sNN =200 GeV	Abdulhamid M.I., American University of Cairo, New Cairo, New Cairo, 11835, Egypt; Aboona B.E., Texas A&M Univ	Physical Sciences	Physical Review Letters	2023	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164198220&doi=10.1103%2fPhysRevLett.130.242301&partnerID=40&md5=2781cdd63bb13c04b81dd840bf01c48c
Observation of Directed Flow of Hypernuclei H A3 and H A4 in sNN =3 GeV Au+Au Collisions at RHIC	Aboona B.E., Texas A and M University, College Station, 77843, TX, United States; Adam J., Czech Technical Univers	Physical Sciences	Physical Review Letters	2023	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161487338&doi=10.1103%2fPhysRevLett.130.212301&partnerID=40&md5=dad6061fa31666a9084ece2fa2d3cce5
Nash equilibrium mapping vs. Hamiltonian dynamics vs. Darwinian evolution for some social dilemma games in the thermodynamic limit	Benjamin C., School of Physical Sciences, National Institute of Science Education and Research, Jatni, 752050, India,	Physical Sciences	European Physical Journal B	2023	1434-6028	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167719161&doi=10.1140%2epjb%2fs10051-023-00573-4&partnerID=40&md5=2249925927c2aaae5ac250ff7b8a2c1d
The reaction of NOBF4 with antimony(III) corroles: Fluoride binding to antimony and regioselective nitration of the macrocycle	Mondal S., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Bhubaneswa	Chemical Sciences	Applied Organometallic Chemistry	2023	0268-2605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152446691&doi=10.1002%2faoc.7088&partnerID=40&md5=e3c06cafb8834a2a51f7e75e820fd4
Understanding the mechanism of the energy transfer process from non-plasmonic fluorescence bimetallic nanoparticles to plasmonic gold nanoparticle	Bhattacharyya A., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC of Ho	Physical Sciences	Physical Chemistry Chemical Physics	2023	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161447364&doi=10.1039%2fd3cp01447a&partnerID=40&md5=7ba7f8a0d8d8d8d8d8d8d8d8d8d8d8
Red-Emitting Tetraphenylethylene-Based Boron Thioketonates: Effect of Substitution and Study of Nonlinear Optical Properties	Murali A.C., School of Chemical Sciences, National Institute of Science Education and Research (NISER), OCC of Hom	Chemical Sciences	ACS Applied Optical Materials	2023	2771-9855	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174660895&doi=10.1021%2facsaom.3c00090&partnerID=40&md5=3540afcbe77fd04aca48a09517d22559
Highly stable multi-encapsulated red-emitting cesium lead halide nanocrystals for efficient copper ion detection and imaging in live cells	Mohapatra A., Department of Engineering and Materials Physics, Institute of Chemical Technology-IndianOil Odisha	Life Sciences	Journal of Alloys and Compounds	2023	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143937495&doi=10.1016%2fj.jallcom.2023.169453&partnerID=40&md5=f858e997ceb192f40393a053a37aaeb8
Optimizing spin pumping and spin mixing conductance via Cu spacer layer in Mn2Au/Py system	Bhusan Jena B., Laboratory for Nanomagnetism and Magnetic Materials (LNMM), School of Physical Sciences, National	Physical Sciences	Physica Scripta	2023	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163593217&doi=10.1088%2f1402-4896%2facdb9f6&partnerID=40&md5=7a8132797abd08250fcf4154e6641d741
MOF-Derived Co3S4 Nanoparticles Embedded in Nitrogen-Doped Carbon for Electrochemical Oxygen Production	Sahu N., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC of Hom	Chemical Sciences	ACS Applied Nano Materials	2023	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154600767&doi=10.1021%2facsanm.3c00845&partnerID=40&md5=2b513163ac3a7bc7aaa41486098de7d9
Revisit of multi-dimensional Bohr radius	Kumar S., School of Mathematical Sciences, National Institute of Science Education and Research, Bhubaneswar, Ar	Mathematical Sciences	Journal of Mathematical Analysis and Applic	2023	0022-247X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147269508&doi=10.1016%2fj.jmaa.2023.127023&partnerID=40&md5=2c6ba33c42eec49bce82bcebaee91d22
Carbomination and defluorination: ortho C-H functionalization of phenoxyacetamide	Nanda T., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Odisha, Bhub	Chemical Sciences	Chemical Communications	2023	1359-7345	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164312846&doi=10.1039%2fd3cc02028a&partnerID=40&md5=19fe3189f5119695d4f7295c51184727
In-situ monitoring of plasmon-induced nanoscale photocatalytic activity from Au-decorated TiO2 microflowers	Sahoo S., School of Physical Sciences, National Institute of Science Education and Research (NISER), Odisha, Bhub	Physical Sciences	Nano Futures	2023	2399-1984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160552305&doi=10.1088%2f2399-1984%2facc754&partnerID=40&md5=5a799b2176567cc7796f5627b14ad3be
Chemical Differentiation around Five Massive Protostars Revealed by ALMA: Carbon-chain Species and Oxygen/Nitrogen-bearing Complex Organic Mole	Taniguchi K., National Astronomical Observatory of Japan, National Institutes of Natural Sciences, 2-21-1 Osawa, M	Physical Sciences	Astrophysical Journal, Supplement Series	2023	0067-0049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163842754&doi=10.3847%2f1538-4365%2facd110&partnerID=40&md5=699e1e0aae51459d1842024ee9f4bd8db
Interaction of the tau fibrils with the neuronal membrane	Chowdhury U.D., School of Chemical Sciences, National Institute of Science Education & Research-Bhubaneswar, Ar	Chemical Sciences	Biophysical Chemistry	2023	0301-4622	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153399617&doi=10.1016%2fj.bpc.2023.107024&partnerID=40&md5=a1190d5d8c7e74f86e83812efab308fd
Event-by-event correlations between Λ (Λ¯) hyperon global polarization and handedness with charged hadron azimuthal separation in Au+Au collisions	Abdulhamid M.I., American University in Cairo, New Cairo, 11835, Egypt; Aboona B.E., Texas A and M University, Co	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169100279&doi=10.1103%2fPhysRevC.108.014909&partnerID=40&md5=dd3bcdc3d25ee45cf892292aadb6a5d0d
On the geometric priority set cover problem	Banik A., National Institute of Science Education and Research, HBNI, Bhubaneswar, India; Raman R., Université Clau	Mathematical Sciences	Computational Geometry: Theory and Applic	2023	0925-7721	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149009164&doi=10.1016%2fj.comgeo.2023.101984&partnerID=40&md5=98588042858c22209346d3ddd7792aec
CsPbBr3Perovskite Photocatalyst in Chemodivergent Functionalization of N-Methylalkanamides Using CBr4	Pal B., School of Chemical Sciences, National Institute of Science Education and Research, An OCC of Homi Bhabha N	Chemical Sciences	Organic Letters	2023	1523-7060	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167666438&doi=10.1021%2facs.orglett.3c01268&partnerID=40&md5=cce8e55dfdf9a6d07c3d003120dd5529
Synthesis of N-sonidoisoquinolinediones via Pd-catalyzed C(sp2)-H olefination-activation and their conformational studies	Gupta A.K., Department of Chemistry, National Institute of Science Education and Research (NISER) Bhubaneswar,	Chemical Sciences; Physi	Organic and Biomolecular Chemistry	2023	1477-0539	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159742&doi=10.1039%2d3ob00167c&partnerID=40&md5=b2d8e7f4b2e9e67f4b29e97
Uncovering the Reactivity of Cobalt-Catalyst Towards Regioselective Hydroarylation of 1,6-Diyne via Weak-Chelation Assisted C–H Bond Activation	Kumar Banjare S., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Odish	Chemical Sciences	Advanced Synthesis and Catalysis	2023	1615-4150	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161649194&doi=10.1002%2fadsc.202300515&partnerID=40&md5=d91e02443425689146e427f452738e9
Examination of thermalization of quarkonia at energies available at the CERN Large Hadron Collider	Kumar D., Homi Bhabha National Institute, Anushakti Nagar, Mumbai, 400094, India; Sarkar N., School of Physical S	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163850419&doi=10.1103%2fPhysRevC.107.064906&partnerID=40&md5=8fe69023f789958119saedd2478f5d7d8
Postnatal 14D is the Key Window for Mice Intestinal Development- An Insight from Age-Dependent Antibiotic-Mediated Gut Microbial Dysbiosis Study	Pandey U., School of Biological Sciences, National Institute of Science Education and Research (NISER), P.O. Jatni, O	Life Sciences	Advanced Biology	2023	2701-0198	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159038147&doi=10.1002%2adbi.202300089&partnerID=40&md5=a449a42dba042b348b8d3e3e656e6b32
Search for the chiral magnetic wave using anisotropic flow of identified particles at energies available at the BNL Relativistic Heavy Ion Collider	Abdulhamid M.I., American University in Cairo, New Cairo, 11835, Egypt; Aboona B.E., Texas A and M University, Co	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169108113&doi=10.1103%2fPhysRevC.108.014908&partnerID=40&md5=511d0e87f0f1e69393517ee8a202db36
Quantum phases of constrained bosons on a two-leg Bose-Hubbard ladder	Padhan A., Department of Physics, Indian Institute of Technology, Guwahati, 781039, India; Parida R., School of Phy	Physical Sciences	Physical Review A	2023	2469-9926	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166734463&doi=10.1103%2fPhysRevA.108.013116&partnerID=40&md5=50434cbb97b777cb6301180fb232d17b8d	
Measurement of electrons from open heavy-flavor hadron decays in Au+Au collisions at vsNN = 200 GeV with the STAR detector	Abdulhamid M.I., American University in Cairo, New Cairo, 11835, Egypt; Aboona B.E., Texas A&M University, Colle	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163809262&doi=10.1007%2fJHEP09%282023%2916&partnerID=40&md5=7206a3d6d21c56835f5e61717d9e011
Flow fluctuations and kinetic freeze-out of identified hadrons at energies available at the CERN Super Proton Synchrotron	Rode S.P., Veksler and Baldin Laboratory of High Energy Physics, Joint Institute for Nuclear Research, Moscow regio	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166760999&doi=10.1103%2fPhysRevC.108.014906&partnerID=40&md5=982a3e994d6689bcbd52c16312d96836
Investigating the role of electric fields on flow harmonics in heavy-ion collisions	Panda A.K., School of Physical Sciences, National Institute of Science Education and Research, An OCC of Homi Bhab	Physical Sciences	Journal of Physics G: Nuclear and Particle Ph	2023	0954-3899	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161606532&doi=10.1088%2f1361-6471%2facd39b&partnerID=40&md5=1b7b6ebfcaf28218a3eed4dacd72ccb7
JWST-TST Proper Motions. I. High-precision NIRISS Calibration and Large Magellanic Cloud Kinematics	Libralato M., AURA for the European Space Agency (ESA), Space Telescope Science Institute, 3700 San Martin Drive,	Physical Sciences	Astrophysical Journal	2023	0004-637X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164453778&doi=10.3847%2f1538-4357%2facd04f&partnerID=40&md5=218b2b6623660da78c35aa1760446aa1
Quaternary Pullulan-Functionalized 2D MoS2Glycosheets: A Potent Bactericidal Nanoplatform for Efficient Wound Disinfection and Healing	Roy S., School of Biosciences and Bioengineering, Indian Institute of Technology Mandi, Kamand, Himachal Pradesh	Chemical Sciences	ACS Applied Materials and Interfaces	2023	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160020747&doi=10.1021%2facsami.3c04390&partnerID=40&md5=0c9d4256e8ed2cc46abfb b240de0386
Measurements of dielectron production in Au+Au collisions at sNN =27, 39, and 62.4 GeV from the STAR experiment	Abdulhamid M.I., American University of Cairo, New Cairo, New Cairo, 11835, Egypt; Aboona B.E., Texas A&M Univ	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162228817&doi=10.1103%2fPhysRevC.107.L061901&partnerID=40&md5=39bf6ebca4bfbebb4015a13927a1949f30
An efficient 2-(2-Pyridyl)imidazole based copper catalyst for N-Arylation of N-heterocycles	Sarkar G., Department of Chemistry, University of North Bengal, Darjeeling,, 734013, India; Bagchi V., Department	Chemical Sciences	Molecular Catalysis	2023	2468-8231	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158037164&doi=10.1016%2fj.mcat.2023.113212&partnerID=40&md5=c7ed2f3fc0ec

A Remark on Large Time Asymtotics for Solutions of a Nonhomogeneous Viscous Burgers Equation	Sahoo M.R., School of Mathematical Sciences, National Institute of Science Education and Research, An OCC of Hom	Mathematical Sciences	Acta Mathematica Scientia	2023	0252-9602	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156224205&doi=10.1007%2fs10473-023-0318-x&partnerID=40&md5=2850b62ae07dafab02bb37a4dc402cb9
K+0 production in Au+Au collisions at sNN =7.7, 11.5, 14.5, 19.6, 27, and 39 GeV from the RHIC beam energy scan	Abdallah M.S., American University of Cairo, New Cairo, Cairo, 11835, Egypt; Aboona B.E., Texas A and M Univ	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151841127&doi=10.1103%2fPhysRevC.107.034907&partnerID=40&md5=4fe8b9eb3c8b579715d148ab1df19844
Ligand-Controlled Ruthenium-Catalyzed Borrowing-Hydrogen and Interrupted-Borrowing-Hydrogen Methodologies: Functionalization of Ketones Using	Biswal P., School of Chemical Sciences, National Institute of Science Education and Research, Bhubaneswar, an OCC	Chemical Sciences	Journal of Organic Chemistry	2023	0022-3263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85133822353&doi=10.1021%2facs.joc.2c00653&partnerID=40&md5=9c0baa92a4a01c93dc6d9d7b4df992674
NPV and NPV Interact to Regulate Dynamic Changes in Energy Balance in the Male Zebra Finch	Singh O., School of Biological Sciences, National Institute of Science Education and Research (NISER)-Bhubaneswar,	Life Sciences	Endocrinology (United States)	2023	0013-7227	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85156096281&doi=10.1210%2fendocr%2fbqac195&partnerID=40&md5=5e7a7d0d2b4366af1d9d3e93863475
Students' understanding of electrostatic force as a vector quantity at the undergraduate level	Chhabra M., Department of Education, University of Delhi, Delhi, 110007, India; Das R., School of Physical Sciences,	Physics Education	Physics Education	2023	0031-9120	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105251788&doi=10.1088%2f1361-6552%2facc0c28&partnerID=40&md5=9fe6897304e5d55145e104dd462ffd07e
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Measurement of Sequential ? Suppression in Au+Au Collisions at sNN =200 GeV with the STAR Experiment	Aboona B.E., Texas A&M University, College Station, 77843, TX, United States; Adam J., Czech Technical University	Physical Sciences	Physical Review Letters	2023	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151384741&doi=10.1103%2fPhysRevLett.130.112301&partnerID=40&md5=d096ad0ca422e912e2ffe151d42389d3
New distribution records of two uncommon microhylid frogs, Melanobatrachus indicus Beddome, 1878 and Mysticellus franki Garg & Biju, 2019 from N	Agashe M., School of Biological Sciences, National Institute of Science Education and Research (NISER), Odisha, Bhu	Chemical Sciences	Journal of Threatened Taxa	2023	0974-7893	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152148958&doi=10.11609%2fjott.8300.15.3.22900-22904&partnerID=40&md5=27dabbe293e135b094c11dda9c0c4222
Quench-induced chaotic dynamics of Anderson-localized interacting Bose-Einstein condensates in one dimension	Sarkar S.K., Department of Physics, Indian Institute of Technology Guwahati, Assam, Guwahati, 781039, India; Mish	Physical Sciences	Physical Review A	2023	2469-9926	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161110525&doi=10.1103%2fPhysRevA.107.053320&partnerID=40&md5=c07ca1440dbc7e8f3129cfb9c3b37b91
FtsE, the Nucleotide Binding Domain of the ABC Transporter Homolog FtsEX, Regulates Septal PG Synthesis in E. coli	Mallik S., Institute of Life Sciences, Nalco Square, Odisha, Bhubaneswar, India, Manipal Academy of Higher Educatio	Life Sciences	Microbiology Spectrum	2023	2165-0497	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163914292&doi=10.1128%2fspectrum.02863-22&partnerID=40&md5=ac4c7a945f3b1b1f57947f7098ade2
Undergraduate students' visualization of quantum mechanical eigenstates and the role of boundary conditions	Chhabra M., Department of Education, University of Delhi, Delhi, 110007, India; Das R., School of Physical Sciences,	Physical Sciences	European Journal of Physics	2023	0143-0807	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166468268&doi=10.1088%2f1361-6404%2facf925&partnerID=40&md5=57a7d8d7bc7a3686bf63e429b8d3c0c5
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Copper Nanoclusters as an Effective Enzyme Inhibitor on the Activity Modulation of α-Chymotrypsin	Akhuli A., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC of Hom	Chemical Sciences	ACS Applied Nano Materials	2023	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149888375&doi=10.1021%2facsanm.3c00631&partnerID=40&md5=e7d0088a4b659ab62d661293bb20bfc5
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Energy-Transfer-Induced Enhanced Valley Splitting of Excitonic Emission of Inorganic CdTe@ZnS QDs in the Presence of Organic J-Aggregates: A Spectro	Chakraborty D., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC	Chemical Sciences	Journal of Physical Chemistry C	2023	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149468058&doi=10.1021%2facs.jpcc.3c00769&partnerID=40&md5=f770fe64eda154720fc171cb3910b92
A characterization of the family of secant lines to a hyperbolic quadric in PG(3,q), q odd, Part II	De Bruyn B., Ghent University, Department of Mathematics: Algebra and Geometry, Krijgslaan 281 (S25), Gent, B-9	Mathematical Sciences	Discrete Mathematics	2023	0012-365X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141985851&doi=10.1016%2fj.disc.2022.113251&partnerID=40&md5=9f16ab5eb3f0831b6df1f2e3592c05f1
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Effective role of vibrational annealing in enhancing room temperature physical properties of Co doped ZnO nanoparticles by using novel TVA technique	Kar N., Semiconductor Research Laboratory, Faculty of Engineering and Technology (ITER), Siksha 'O' Anusandhan (I	Physical Sciences	Journal of Materials Research and Technolo	2023	2238-7854	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151500536&doi=10.1016%2fj.jmrt.2023.03.171&partnerID=40&md5=6f997690193ec484288e6a096680b893
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Coordination and Stabilization of a Lithium Ion with a Silylene	Nazish M., Institut für Anorganische Chemie, Universität Göttingen, Tammannstraße 4, Göttingen, 37077, Germany	Chemical Sciences	Chemistry - A European Journal	2023	0947-6539	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147493941&doi=10.1002%2fchem.202203528&partnerID=40&md5=dd45a7fcfd965d881dafc14e68cd27cd2
Enhancement of physical properties of Zn1-xNixO pellets synthesized by novel TVA technique for device applications	Kar N., Semiconductor Research Laboratory, Faculty of Engineering and Technology (ITER), Siksha 'O' Anusandhan (I	Physical Sciences	Journal of Magnetism and Magnetic Materi	2023	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151566068&doi=10.1016%2fj.jmmm.2023.170694&partnerID=40&md5=8480b35105d01f98b55c6b600fdc6fef
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Measurement of the ve -Nucleus Charged-Current Double-Differential Cross Section at ⟨ev ⟩=2.4 GeV Using NOvA	Acero M.A., Universidad Del Atlantico, Carrera 30 No. 8-49, Atlantico, Puerto Colombia, Colombia; Adamson P., Fer	Physical Sciences	Physical Review Letters	2023	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147710252&doi=10.1103%2fPhysRevLett.130.051802&partnerID=40&md5=c2320a6cf2c34b0329e4c7ca8bd1f5097
Intermediates, Isolation and Mechanistic Insights into Zinc Hydride-Catalyzed 1,2-Regioselective Hydrovinylation of N-Heteroarenes	Sahoo R.K., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Homi Bhabh	Chemical Sciences	Inorganic Chemistry	2023	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145338051&doi=10.1021%2facs.inorgchem.2c03389&partnerID=40&md5=15dcfca3b9ed6c69941cd56914079cd82
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AN EXTENSION PROBLEM, TRACE HARDY AND HARDY'S INEQUALITIES FOR THE ORNSTEIN–UHLENBECK OPERATOR	Ganguly P., Institut für Mathematik, Universität Paderborn, Paderborn, Germany, Department of Mathematics, Ind	Mathematical Sciences	Analysis and PDE	2023	2157-5045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170287205&doi=10.2140%2fapde.2023.16.1205&partnerID=40&md5=8c6e0f92d9e42864d1a81487288bf5d96
Early Release Science of the exoplanet WASP-39b with JWST NIRSS	Feinstein A.D., Department of Astronomy and Astrophysics, University of Chicago, Chicago, IL, United States; Radica	Physical Sciences	Nature	2023	0028-0836	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154686726&doi=10.1038%2fs41586-022-05674-1&partnerID=40&md5=cbc22208707722523d7216319f8a2b5b
Catalytic Transfer Hydrogenation of Lignocellulosic Biomass Model Compounds Furfural and Vanillin with Ethanol by an Air-stable Iron(II) Complex	Ghosh R., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC of Hom	Chemical Sciences; Physi	ChemCatChem	2023	1867-3899	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149697506&doi=10.1002%2fcctc.202300126&partnerID=40&md5=44a4d9f9b1b15fc3893e4ee4d4f70d1
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Azide–Alkyne Cycloaddition Catalyzed by Copper(I) Coordination Polymers in PPM Levels Using Deep Eutectic Solvents as Reusable Reaction Media: A We	Sethi S., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC of Hom	Chemical Sciences	ACS Omega	2023	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144844332&doi=10.1021%2facsomega.2c06231&partnerID=40&md5=4fc814257488dd15276170938111888608
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Early Release Science of the exoplanet WASP-39b with JWST NIRSpec G395H	Alderson L., Department of Physics, HH Wills Physics Laboratory, University of Bristol, Bristol, United Kingdom; Wakeford	Physical Sciences	Nature	2023	0028-0836	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154684966&doi=10.1038%2fs41586-022-05591-3&partnerID=40&md5=55a727b593c2f77e1c399ddb8ecd0997
LSTM based Modified Remora Optimization Algorithm for Lung Cancer Prediction	Pradhan M., P.G. Department of Computer Science, Fakir Mohan University, Odisha, Balasore, India; Coman I.L., De	Mathematical Sciences	International Journal of Intelligent Engineers	2023	2185-310X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177641328&doi=10.22266%2fijies2023.1231.05&partnerID=40&md5=9c32fcdb2a108e409d093791df83a754
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Rh(I) and Organo-Rh(III) Complexes of meso-Triarylbiphenylcorrole	Chitransshi S., National Institute of Science Education and Research (NISER), An OCC of Homi Bhabha National Institu	Chemical Sciences	Inorganic Chemistry	2023	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144345861&doi=10.1021%2facs.inorgchem.2c03401&partnerID=40&md5=74c695c46f0c39ad2cc397c0989b9dd7
Early Release Science of the exoplanet WASP-39b with JWST NIRSpec PRISM	Rustamkulov Z., Department of Earth and Planetary Sciences, Johns Hopkins University, Baltimore, MD, United Stat	Physical Sciences	Nature	2023	0028-0836	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147357177&doi=10.1038%2fs41586-022-05677-y&partnerID=40&md5=42d1e6d8f7f94315dc08c4ba56dda19e
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Pattern of global spin alignment of φ and K*0 mesons in heavy-ion collisions	Abdallah M.S., The American University in Cairo, New Cairo, Egypt; Aboona B.E., Texas A&M University, College Sta	Physical Sciences	Nature	2023	0028-0836	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146733868&doi=10.1038%2fs41586-022-05557-5&partnerID=40&md5=1ef85e6de1913311f52fd6fd6bd9bd0b
DISTRIBUTION OF MOMENTS OF HURWITZ CLASS NUMBERS IN ARITHMETIC PROGRESSIONS AND HOLOMORPHIC PROJECTION	Kane B., Department of Mathematics, University of Hong Kong, Pokfulam, Hong Kong; Schwari S., School of Mathe	Mathematical Sciences	Transactions of the American Mathematical	2023	0002-9947	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147188725&doi=10.1090%2ftran%2f8885&partnerID=40&md5=4136279c7fe7e9e88ba1e3c6b2c7ac7e	
Annulation of Indole-2-Carboxamides with Bicycloalkenes Catalyzed by Ru(II) at Room Temperature: An Easy Access to β-Carboline-1-one Derivatives un	Das Adhikari G.K., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Odish	Chemical Sciences	Journal of Organic Chemistry	2023	0022-3263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145995470&doi=10.1021%2facs.joc.2c02351&partnerID=40&md5=ff6c6707907e9318bcaf35e17e8704de
Beam Energy Dependence of Fifth- and Sixth-Order Net-Proton Number Fluctuations in Au+Au Collisions at RHIC	Aboona B.E., Texas A&M University, College Station, 77843, TX, United States; Adam J., Czech Technical University	Physical Sciences	Physical Review Letters	2023	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149659741&doi=10.1103%2fPhysRevLett.130.082301&partnerID=40&md5=4bcf06125b3584ae7c1d8792a3ac53fd
Pd-catalyzed site-selective C(sp2)-H chalcogenation of amino acids and peptides using a picolinamide auxiliary	Bag R., School of Chemical Sciences, National Institute of Science Education and Research (NISER) Bhubaneswar, Od	Chemical Sciences	Organic Chemistry Frontiers	2023	2052-4110	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147216467&doi=10.1039%2fd2qo01876d&partnerID=40&md5=af9abec7ff4449dee34417da05c7d5c57
Geometric similarity invariants of Cowen–Douglas operators	Jiang C., Department of Mathematics, Hebei Normal University, Hebei, Shijiazhuang, 050016, China; Ji L., Departme	Mathematical Sciences	Journal of Noncommutative Geometry	2023	1661-6952	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150171222&doi=10.4171%2fJNCG%2f503&partnerID=40&md5=7211ec4632380205ed3951e3dfeea63
Highly water-stable, luminescent, and monodisperse polymer-coated CsPbBr3 nanocrystals for imaging in living cells with better sensitivity	Kar M.R., Department of Engineering and Materials Physics, Institute of Chemical Technology-IndianOil Odisha Cam	Life Sciences	RSC Advances	2023	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149107364&doi=10.1039%2fd2ra02719g&partnerID=40&md5=c99dda7adf2a2aa3814efbb6dae6c2dee
Low-threshold sapphire detector for rare event searches	Phipps A., Department of Physics and Astronomy, Texas A&M University, 578 University Dr, College Station, 77840,	Physical Sciences	Nuclear Instruments and Methods in Physic	2023	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141462741&doi=10.1016%2fj.nima.2022.167634&partnerID=40&md5=9543c7489180729a0b2ed9d1bf8d4710
A new transient directing group diethoxyethyl-1-proline facilitates ortho-arylation of aryl-amines/-amino acids via Pd-catalyzed C(sp2)-H activation	Panda S.S., School of Chemical Sciences, National Institute of Science Education and Research (NISER)-Bhubaneswa	Chemical Sciences	Organic and Biomolecular Chemistry	2023	1477-0520	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146870232&doi=10.1039%2fd2ob02145e&partnerID=40&md5=0bae591d474af2a790bcb3eeb b116f3d
Probing the influence of alkyl chain length on the aggregation behaviour of some naphthalene sulphonamide derivatives through spectroscopic and mic	Banerjee S., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC of H	Chemical Sciences	Chemical Physics	2023	0301-0104	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141992441&doi=10.1016%2fj.chemphys.2022.111762&partnerID=40&md5=b6c1d9b48f4207d83d2807ab8e72fd33
Tailoring Spin-To-Charge Conversion Efficiency via Microwave Frequency in La0.67 Sr0.33MnO3/Pt Bilayer System	Gupta P., Laboratory for Nanomagnetism and Magnetic Materials, School of Physical Sciences, National Institute of	Physical Sciences	SPIN	2023	2010-3247	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172656021&doi=10.1142%2fS2010324723400192&partnerID=40&md5=c34c3c874d45f880b243e25b86f6c6941
Azulene tethered N-aryl nucleobases: synthesis, morphology and biochemical evaluations	Meher S., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Bhubaneswar,	Chemical Sciences	New Journal of Chemistry	2023	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149209568&doi=10.1039%2fd2nj06272k&partnerID=40&md5=71045993bc98077a907db49db239a0cb3
On signatures of elliptic curves and modular forms	Dąbrowski A., Institute of Mathematics, University of Szczecin, Wielkopolska 15, Szczecin, 70-451, Poland; Pomykał	Mathematical Sciences	Ramanujan Journal	2023	1382-4090	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145241530&doi=10.1007%2fs11139-022-00678-x&partnerID=40&md5=8ae94c252842d032b28d8f5b160eb7ba6
A Bombieri–Vinogradov-type theorem for moduli with small radical	Baier S., Ramakrishna Mission Vivekananda Educational Research Institute, Department of Mathematics, West Beng	Mathematical Sciences	Acta Arithmetica	2023	0065-1036	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129117866&doi=10.4064%2faa221211-1-9&partnerID=40&md5=b77775f437a76e65d96ab02aa9c11d8b
Weak-Promotion Assisted Cobalt(II)-Catalyzed C-H Bond Activation: An Approach Toward Regioselective Ethynylation of N-Aryl γ-Lactam	Banjare S.K., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Homi Bha	Chemical Sciences	Organic Letters	2023	1523-7060	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85154592718&doi=10.1021%2acs.orglett.3c00126&partnerID=40&md5=9c45fc26c7f0c77ca7ba0397bd05fc05ce
Mapping, temporal dynamics, and assessment of agricultural ecosystem services: evidence from eastern India	Rath S., Department of Agricultural Economics, College of Agriculture, Odisha University of Agriculture and Technol	Applied Sciences Analysis	Frontiers in Sustainable Food Systems	2023	2571-581X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166427725&doi=10.3389%2ffsufs.2023.1151205&partnerID=40&md5=c6759758c1ae2bb8bad2232887b123eb
Thermosensitive smart hydrogel of PEITC ameliorates the therapeutic efficacy in rheumatoid arthritis	Haloi P., School of Biological Sciences, National Institute of Science Education and Research, HBNI, Odisha, Jatni, 75	Life Sciences	European Journal of Pharmaceutical Science	2023	0928-0987	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144933753&doi=10.1016%2fj.ejps.2022.106367&partnerID=40&md5=cd801c344bca038d028ebf16ff5b9094
Cathodoluminescence and optical absorption spectroscopy of plasmonic modes in chromium micro-rods	Ghorai G., School of Physical Sciences, National Institute of Science Education and Research, Bhubaneswar, An OCC	Physical Sciences	Nanotechnology	2023	0957-4484	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143203141&doi=10.1088%2f1361-6528%2faca339&partnerID=40&md5=de72fff7c1c0d52a364d0e1b9ee182a9
Activation of C-Br Bond of CBr4 and CBrCl3 Using 9-Mesityl-10-methylacridinium Perchlorate Photocatalyst	Dinda T.K., School of Chemical Sciences, National Institute of Science Education and Research (NISER) Bhubaneswar	Chemical Sciences	Journal of Organic Chemistry	2023	0022-3263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146014580&doi=10.1021%2facs.joc.2c02595&partnerID=40&md5=3586e43b5ea1c5b72aa4b0fc05d11d4
Comparison of Two Zinc Hydride Precatalysts for Selective Dehydrogenative Borylation of Terminal Alkynes: A Detailed Mechanistic Study	Sahoo R.K., School of Chemical Sciences, National Institute of Science Education and Research (NISER), Homi Bhabh	Chemical Sciences	ACS Omega	2023	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140152259&doi=10.1021%2facsomega.2c07381&partnerID=40&md5=389c463d1c4b7343dc2a9a6017d41d61
Cobalt-catalyzed [1,2]-Wittig rearrangement of ethers to secondary alcohols	Pattanaik S., School of Chemical Sciences, National Institute of Science Education and Research (NISER), An OCC of	Chemical Sciences	Chemical Communications	2023	1359-7345	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147294070&doi=10.1039%2fd2cc06939g&partnerID=40&md5=51737a147cacc6649b8ff6cb3738693a
Azimuthal anisotropy measurement of (multi)strange hadrons in Au+Au collisions at sNN =54.4 GeV	Abdallah M.S., American University of Cairo, New Cairo, New Cairo, 11835, Egypt; Aboona B.E., Texas A&M Univers	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149645456&doi=10.1103%2fPhysRevC.107.024912&partnerID=40&md5=2e83f1ff010eab4881a69f4b442326ac
Cold Tolerance Mechanisms in Mungbean (Vigna radiata L.) Genotypes during Germination	Manasa L.S., National Institute of Science, Education and Research, Homi Bhabha National Institute (HBNI), Jatni, 75	Life Sciences	Agriculture (Switzerland)	2023	2077-0472	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149141985&doi=10.3390%2fagriculture13020315&partnerID=40&md5=d72569c64d25c6678bdd02ea64282b7b0
Pion, kaon, and (anti)proton production in U+U collisions at sNN =193 GeV measured with the STAR detector	Abdallah M.S., American University of Cairo, New Cairo, New Cairo, 11835, Egypt; Aboona B.E., Texas A&M Univers	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149654686&doi=10.1103%2fPhysRevC.107.024901&partnerID=40&md5=42c46ccf869af3980d6d71b48293a7056
B–N Coordinated Phenanthroimidazole-based Zinc-Salen as a Photocatalyst for the Synthesis of Oxazolidinones using Carbon Dioxide as a C1 Source under	Nayak P., School of Chemical Sciences, National Institute of Science Education and Research (NISER), OCC of Homi B	Chemical Sciences	Advanced Synthesis and Catalysis	2023	1615-4150	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146137811&doi=10.1002%2adsc.202201253&partnerID=40&md5=064b9da56dbe2e12e0c846f036500138
Formulas for moments of class numbers in arithmetic progressions	Bringmann K., Department of Mathematics and Computer Science, University of Cologne, Cologne, 50931, German	Mathematical Sciences	Acta Arithmetica	2023	0065-1036	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165227289&doi=10.4064%2faa210927-21-11&partnerID=40&md5=c88aef71d3bcf9e276433ff87aaddd0255
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Influence of the interlayer temperature on structure and properties of CMT wire arc additive manufactured NiTi structures	Singh S., Mechatronics and Instrumentation Lab, Department of Mechanical Engineering, Indian Institute of Techno	Engineering Sciences	Journal of Alloys and Compounds	2023	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165929514&doi=10.1016%2fj.jallcom.2023.171447&partnerID=40&md5=e9a7fdbe07a22f4c13524eb490f36718
Broad band optical absorption and thermoplasmonic response from bio-inspired hierarchical copper nanostructures fabricated by pulsed laser depositio	Chakravarty U., Photonics Nanomaterial Lab, Laser Materials Processing Division, Raja Ramanna Centre for Advance	Physical Sciences	Optics and Laser Technology	2023	0030-3992	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163161773&doi=10.1016%2fj.optlastec.2023.109772&partnerID=40&md5=35deec6798f96d1600e10d01f7f36a5e
Textile-integrated MoS2-PDMS single electrode triboelectric nanogenerator for vibrational energy harvesting and biomechanical motion sensing	Mahapatra A., Oxide and Nanoelectronics Lab., Laser Material Processing Division, Raja Ramanna Centre for Advanc	Physical Sciences	Nano Energy	2023	2211-2855	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169022902&doi=10.1016%2fj.nanoen.2023.108829&partnerID=40&md5=32fbc946994c1f89026cb69eacc75c00
A comparative assessment of the effects of laser shock peening and ultrasonic shot peening on surface integrity and ratcheting fatigue performance of H	Dwivedi P.K., Department of Metallurgical and Materials Engineering, National Institute of Technology, Rourkela, 76	Physical Sciences	International Journal of Fatigue	2023	0142-1123	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169793593&doi=10.1016%2fj.ijfatigue.2023.107902&partnerID=40&md5=cf4afd37f6a7f3abd8e8d1d4ea067048
A comparative evaluation of enrichment of trace elements in South African and Australian coals using SRXRF	Srikanth S., Department of Engineering Physics, S.R.K.R. Engineering College (A), Bhimavaram, 534204, India; Gowri	Physical Sciences	Nuclear and Particle Physics Proceedings	2023	2405-6014	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168815458&doi=10.1016%2fj.nuclphysbps.2023.07.003&partnerID=40&md5=76289b38543ad690bd3d7c763800a3a0
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Therapeutic influence of simvastatin on MCF-7 and MDA-MB-231 breast cancer cells via mitochondrial depletion and improvement in chemosensitivity c	Tripathi V., School of Biotechnology, Devi Ahilya University, M.P., Indore, 452001, India; Jaiswal P., School of Biotecl	Life Sciences; Physical Sci	Advances in Cancer Biology - Metastasis	2023	2667-3940	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175064338&doi=10.1016%2fj.adcanc.2023.100110&partnerID=40&md5=2609c1c4123d70ef6c16e1e488947534
Charge density wave and superconductivity in 6R-TaS2	Pal S., UGC DAE Consortium for Scientific Research, University Campus, Khandwa Road, Indore, 452001, India; Bahe	Physical Sciences	Physica B: Condensed Matter	2023	0921-4526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170418534&doi=10.1016%2fj.physb.2023.415266&partnerID=40&md5=bf705ed1ed5283d84903a5805f3167ba
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Nonmagnetic Sn doping effect on the electronic and magnetic properties of antiferromagnetic topological insulator MnBi2Te4	Changdar S., Department of Condensed Matter and Materials Physics, S. N. Bose National Centre for Basic Sciences,	Physical Sciences	Physica B: Condensed Matter	2023	0921-4526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150020174&doi=10.1016%2fj.physb.2023.414799&partnerID=40&md5=28d1cec14bc64e07c10998aa50dc9754
Sol-gel prepared amorphous Ta2O5 thin film for application in high LIDT antireflection coating and UV photodetection	Pal S., Optical Coating Laboratory, High Energy Laser & Optics Section, Raja Ramanna Centre for Advanced Technolo	Physical Sciences	Optical Materials	2023	0925-3467	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164218015&doi=10.1016%2fj.optmat.2023.114097&partnerID=40&md5=8f96065dd167275be4e22eee405c3180
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Enhanced magnetoelectric coupling in novel rare earth metal substituted Sr based Z-hexaferrites/P(VDF-HFP) composites	Singh S., Department of Physics, Maharshi Dayanand University, Rohtak, 124001, India, University Institute of Engin	Physical Sciences	Ceramics International	2023	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159232491&doi=10.1016%2fj.ceramint.2023.05.063&partnerID=40&md5=0da6445bdeed076af7c2e3b8e1c6f2cf
Enhancement of ferroelectric polarization in magnetoelectric coupled manganese ferrite (MnFe2O4)/P(VDF-TrFE) nanocomposite polymer films at room	Pradhan S., Laser Biomedical Applications Division, Raja Ramanna Centre for Advanced Technology, Madhya Prades	Physical Sciences	Journal of Materials Science: Materials in Ele	2023	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167409376&doi=10.1007%2fs10854-023-11032-2&partnerID=40&md5=a02c61c2f87e7791ed2bc17ab72dcc47
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Effect of the orientation of non-spherical metal nanoparticle with respect to light polarization on its transient optical response	Singh A., Nano Science Laboratory, Materials Science Section, Raja Ramanna Centre for Advanced Technology, Indo	Physical Sciences	Nanotechnology and Precision Engineering	2023	2589-5540	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158874414&doi=10.1063%2f10.0017948&partnerID=40&md5=34b1ec335b8e02fe1f07c904173e9586
Electronic structure studies of RbLn2Fe4As4O2 (Ln = Sm, Tb, Dy and Ho) compounds	Pokhriyal A., Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi Bhabha National Institute	Physical Sciences	Materials Today Communications	2023	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161475918&doi=10.1016%2fj.mtcomm.2023.106210&partnerID=40&md5=d5fe6a3a53553b5b091a4a6e3391bf50
Interplay of Magnetic Interaction and Electronic Structure in New Structure RE-12442 Type Hybrid Fe-Based Superconductors	Pokhriyal A., Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi Bhabha National Institute	Physical Sciences	Magnetochemistry	2023	2312-7481	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166440382&doi=10.3390%2fmagnetochemistry9070164&partnerID=40&md5=52d0594e008861e66e5bf602df071e27
A simulation of undiagnosed population and excess mortality during the COVID-19 pandemic	Dasgupta R., Laser Biomedical Applications Division, Raja Ramanna Centre of Advanced Technology, Indore, 452013	Physical Sciences	Results in Control and Optimization	2023	2666-7207	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163812274&doi=10.1016%2fj.rico.2023.100262&partnerID=40&md5=d57574429fee4abd998393fa60a168b8
Interfacial electronic structure modulated magnetic properties in Ta/CoFeB/Ta multilayers	S K S., Department of Physics and Nanotechnology, SRM Institute of Science and Technology, Tamil Nadu, Kattankul	Physical Sciences	Surfaces and Interfaces	2023	2468-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162034669&doi=10.1016%2fj.surfin.2023.103043&partnerID=40&md5=49b148eedd645761d700df58656a1d5b
Charge density wave induced nodal lines in LaTe3	Sarkar S., UGC-DAE Consortium for Scientific Research, Khandwa Road, Madhya Pradesh, Indore, 452001, India; Bha	Physical Sciences	Nature Communications	2023	2041-1723	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162726625&doi=10.1038%2fs41467-023-39271-1&partnerID=40&md5=74be777ba5023218380c6e4efc2f03ac
Significance of diffraction peak shapes in determining crystallite size distribution: a peak shape analysis procedure for pseudo-Voigt profiles and its appl	Bhakar A., Accelerator Physics and Synchrotrons Utilization Division, Raja Ramanna Centre for Advanced Technolog	Physical Sciences	Journal of Applied Crystallography	2023	0021-8898	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174527841&doi=10.1107%2fS1600576723007367&partnerID=40&md5=040ed4d8d9280024c9114cd45f1d04f3
Investigations on RF sputtered TiN thin films and Cu/TiO2/TiN devices for resistive switching memory applications	Sahu V.K., Laser Material Processing Division, Raja Ramanna Centre for Advanced Technology, Indore, 452 013, Indi	Physical Sciences	Journal of Materials Science: Materials in Ele	2023	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171344319&doi=10.1007%2fs10854-023-11235-7&partnerID=40&md5=063d23e1dbe996c925979198708d6e34
Low-Temperature Thermoelectric Power Behavior of Nd1 − xGdxCo2: Insights from Impurity and Spin Wave Scattering	Pandya S., UGC-DAE Consortium for Scientific Research, University Campus, Khandwa Road, MP, Indore, 452017, In	Physical Sciences	Journal of Low Temperature Physics	2023	0022-2291	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158096359&doi=10.1007%2fs10909-023-02965-3&partnerID=40&md5=e904f81f1a7c0ebc41c0e93e9065578b
Structural and magnetic interplay in multiferroic Ho0.5Nd0.5Fe3(BO3)4	Tripathy A., UGC-DAE Consortium for Scientific Research, Indore, 452001, India; Gautam K., UGC-DAE Consortium fo	Engineering Sciences; Ph	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163524761&doi=10.1103%2fPhysRevB.107.214106&partnerID=40&md5=97dc3098c11d6aa93b0ffb2609fca516
Evading the strength-ductility compromise in medium manganese steel by a novel low temperature warm rolling treatment	Chandan A.K., Academy of Scientific and Innovative Research (AcSIR), Ghaziabad, 201002, India, Materials Engineer	Physical Sciences	Materials Characterization	2023	1044-5803	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176311800&doi=10.1016%2fj.matchar.2023.113445&partnerID=40&md5=bb68609549dd01cd3e6454ba7819febe
Structural origin of room-temperature ferroelectricity in spark-plasma sintered DyCrO3 and LaCrO3	Mishra S., Department of Physics, Indian Institute of Technology Kharagpur, Kharagpur, 721302, India; Keerthana, C	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163565105&doi=10.1103%2fPhysRevB.107.214104&partnerID=40&md5=9f20f07878ede9904ef4e556c0e04c8b
Multiple exciton generation in VO2	Sahu S.R., UGC-DAE Consortium for Scientific Research, Indore, 452001, India; Khan S., Nano Science Laboratory, M	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172423286&doi=10.1103%2fPhysRevB.108.125133&partnerID=40&md5=28e7f9183702b7ea909a02319ae4a8a9
X-ray induced ultrafast charge transfer in thiophene-based conjugated polymers controlled by core-hole clock spectroscopy	Velasquez N., Sorbonne Université, CNRS, Laboratoire de Chimie Physique-Matière et Rayonnement, LCPMR, Paris,	Physical Sciences	Physical Chemistry Chemical Physics	2023	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180122318&doi=10.1039%2fd3cp04303g&partnerID=40&md5=bc0bbac653d575349acd894462bffca3
Optical response of Au films for reproducible Si nano-structuring and its application for efficient micro-drop SERS with portable Raman system	Verma S., Materials Engineering Section, Laser Materials Processing Division, Raja Ramanna Centre for Advanced Te	Physical Sciences	Materials Chemistry and Physics	2023	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161983959&doi=10.1016%2fj.matchemphys.2023.128058&partnerID=40&md5=e876d7673ad1fee4b7175bc4679391b6
Structural alterations in cell organelles induced by photodynamic treatment with chlorin p6-histamine conjugate in human oral carcinoma cells probed b	Parihar A., Industrial Waste Utilization, Nano and Biomaterials, CSIR – Advanced Materials and Processes Research I	Life Sciences	Luminescence	2023	1522-7235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85132884845&doi=10.1002%2fbio.4307&partnerID=40&md5=d51bdd32415af92e9aecdadd06774370
Large unsaturated magnetoresistance and electronic structure studies of single-crystal GdBi	Dwari G., Department of Condensed Matter Physics and Materials Science, Tata Institute of Fundamental Research,	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163342623&doi=10.1103%2fPhysRevB.107.235117&partnerID=40&md5=1ec23dc6db9f3b2d6798717222f92ead
Ultrafast self-powered visible blind UV photodetectors based on MgZnO vertical Schottky junction in crossbar geometry	Das A.K., Oxide Nano-Electronics Laboratory, Laser Material Processing Division, Raja Ramanna Centre for Advanced	Physical Sciences	Sensors and Actuators A: Physical	2023	0924-4247	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168805691&doi=10.1016%2fj.sna.2023.114612&partnerID=40&md5=822e8de8abf13a7c258696b14a0ae925
Preliminary Parametric Investigations into Macro-Laser Polishing of Laser-Directed Energy Deposition of SS 304L Bulk Structures	Saini V.K., Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Uttar Pradesh, Kanpur, 20	Engineering Sciences	Crystals	2023	2073-4352	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178165115&doi=10.3390%2fcryst13111604&partnerID=40&md5=2b80ae50906fa54e7b8247827fddff59
Al2O3 barrier layer for enhancing UV to visible rejection ratio in p-Si/n-MgZnO heterojunction visible blind UV photodetectors	Chetia S.K., Oxide Nano-Electronics Lab., Laser Materials Processing Division, Raja Ramanna Centre for Advanced Te	Physical Sciences	Physica B: Condensed Matter	2023	0921-4526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160427202&doi=10.1016%2fj.physb.2023.415021&partnerID=40&md5=3e21977b553dd2e9a78a503bbb7e6c65
Unpinned Dirac-Fermions in Carbon-Phosphorus-Arsenic-Based Ternary Monolayers	Kumar A., Theory and Simulations Laboratory, Theoretical and Computational Physics Section, Raja Ramanna Centre	Physical Sciences	Journal of Physical Chemistry C	2023	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179617000&doi=10.1021%2facs.jpcc.3c05260&partnerID=40&md5=d7ea85c63434e5352bf59171a6f22ea5
A simple intra-beam alignment setup for tiled grating assembly based laser pulse compressor of high energy ultrashort pulse laser systems	Sharma A.K., Laser Technology Division, Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Hon	Physical Sciences	Sadhana - Academy Proceedings in Engineer	2023	0256-2499	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162998022&doi=10.1007%2fs12046-023-02170-8&partnerID=40&md5=24bf8cb1115df42b1a94c35a83eef5ca
Study of PID controller gain for active vibration control using FEM based particle swarm optimization in COMSOL multiphysics	Sumit, Homi Bhabha National Institute, Mumbai, Maharashtra, Anushaktinagar, India, Synchrotron Utilization Sectio	Engineering Sciences	Journal of Micromanufacturing	2023	2516-5984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161271956&doi=10.1177%2f25165984221086439&partnerID=40&md5=a5b2cf61cc1a6cd3cb296b3e8e89f309
Investigation of the Structural, Dielectric, Magnetic, and Magnetoelectric Properties of Nd-Substituted Sr3Co2Fe24O41 Z-Hexaferrite	Singh S., Department of Physics, Maharshi Dayanand University, Rohtak, 124001, India, University Institute of Engin	Physical Sciences	ECS Journal of Solid State Science and Techn	2023	2162-8769	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173577514&doi=10.1149%2f2162-8777%2facf8f4&partnerID=40&md5=1185dc2e356643f00f68e1a0bdac16dd
Evolution of bulk magnetic structure in MnSi thin film: a soft x-ray magnetic circular dichroism study	Jena S., Department of Physics, Central University of South Bihar, Bihar, Gaya, 824236, India; Choi W.-Y., Departmen	Physical Sciences	Physica Scripta	2023	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163310667&doi=10.1088%2f1402-4896%2facdc5e&partnerID=40&md5=d6fdd0e8f8b7b21bae6122076aa03457
An Alternative Approach to Study Photo-catalytic Behavior of TiO2 Using Synchrotron-Based Advanced Spectroscopic Techniques	Kumari A., Department of Physics, Central University of South Bihar, Bihar, Gaya, 824236, India; Zaman M., Departn	Physical Sciences	Journal of Materials Engineering and Perforr	2023	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147180409&doi=10.1007%2fs11665-023-07876-8&partnerID=40&md5=edd23d3be212f31ea4c84e1271cca199
Soil assessment for heavy metal contamination and potential ecological risks	Kumar G.V., Chitkara University School of Engineering and Technology, Chitkara University, Himachal Pradesh, 1741	Physical Sciences	Research Journal of Chemistry and Environm	2023	0972-0626	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174610797&doi=10.25303%2f2710rjce038045&partnerID=40&md5=edd0c75a8fd061eb7ce89a1e3c8d524a
Flexible ZnO:PVDF based free standing piezoelectric nanogenerator for vibrational energy harvesting and wearable shoe insole pedometer sensor	Mahapatra A., Oxide Nano-Electronics Lab., Laser Material Processing Division, Raja Ramanna Centre for Advanced	Physical Sciences	Journal of Alloys and Compounds	2023	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163742050&doi=10.1016%2fj.jallcom.2023.170898&partnerID=40&md5=e85251d99f9141393ce5c4c699ec95be
Bulk electronic structure of Ni2MnGa studied by density functional theory and hard x-ray photoelectron spectroscopy	Bhattacharya J., Homi Bhabha National Institute, Training School Complex, Anushakti Nagar, Maharashtra, Mumbai	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174023620&doi=10.1103%2fPhysRevB.108.L121114&partnerID=40&md5=c0e3b37880e52436b79c88722a3e4964
Laser Directed Energy Deposition of High-Carbon High-Chromium D2 Tool Steel Structures: Processing, Heat Treatment and Material Behavior	Yadav S., Homi Bhabha National Institute, Anushaktinagar, Maharashtra, Mumbai, 400094, India, Raja Ramanna Cer	Engineering Sciences; Ph	Journal of Materials Engineering and Perforr	2023	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140844203&doi=10.1007%2fs11665-022-07470-4&partnerID=40&md5=e4ba2067abff79779d0cd3f05b078fa4
Structural correlation to enhanced magnetodielectric properties of Pr-doped polycrystalline Gd0.55Pr0.45MnO3 at low temperatures	Pant P., Department of Physics, Institute of Science, Banaras Hindu University, Varanasi, 221005, India; Agarwal H.,	Physical Sciences	Journal of Magnetism and Magnetic Materia	2023	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150785923&doi=10.1016%2fj.jmmm.2023.170621&partnerID=40&md5=9b5143d888e666a5ce4d70959624bf2d
Effect of nano-size on magnetostriction of BiFeO3 and exceptional magnetoelectric coupling properties of BiFeO3_P(VDF-TrFE) polymer composite films	Pradhan S., Laser Biomedical Applications Division, Raja Ramanna Centre for Advanced Technology, Madhya Prades	Physical Sciences	Smart Materials and Structures	2023	0964-1726	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150485349&doi=10.1088%2f1361-665X%2facc1b7&partnerID=40&md5=b0cdfcd612a4ea25ff01baaf99bca490
Electronic structure, magnetic order and Lifshitz transition in electron doped new structure 12442 type Fe-based superconductors	Pokhriyal A., Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi Bhabha National Institute	Physical Sciences	Journal of Physics and Chemistry of Solids	2023	0022-3697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141304706&doi=10.1016%2fj.jpcs.2022.111085&partnerID=40&md5=41aeaa0807c5db38aa1bd12bdf43c962
Iterative piezo response function-based optimization for static shape control of cantilever beam using nonlinear piezoactuators	Sumit, Homi Bhabha National Institute, Anushaktinagar, Mumbai, 400094, India, Accelerator Physics and Synchrotro	Engineering Sciences; Ph	Smart Materials and Structures	2023	0964-1726	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143866844&doi=10.1088%2f1361-665X%2faca4ae&partnerID=40&md5=d2051552f1043c10f37e7089b43fe11d
The effects of lithium on human red blood cells studied using optical spectroscopy and laser trap	Singh Y., Homi Bhabha National Institute, Training School Complex, Anushaktinagar, Mumbai, 400094, India; Chowd	Physical Sciences	European Biophysics Journal	2023	0175-7571	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150032594&doi=10.1007%2fs00249-023-01643-2&partnerID=40&md5=a9623c64b936bfe9d0665f8838dac241
Influence of indium and selenium co-doping on structural and thermoelectric properties of Bi2Te3 alloys	Hegde G.S., Department of Physics (Post Graduate Section), KLE's Society S. Nijalingappa College, Rajajinagar, Benga	Physical Sciences	Journal of Materials Science: Materials in Ele	2023	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160433195&doi=10.1007%2fs10854-023-10547-y&partnerID=40&md5=fa225a380e38ce37fe86cb048ea7b307
Estimation of barocaloric effect across the magnetostructural transition in Mn–Co–Ge alloy from magnetization measurements under pressure	Sharma V.K., FEL & Utilization Section, Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi	Physical Sciences	Journal of Magnetism and Magnetic Materia	2023	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143730723&doi=10.1016%2fj.jmmm.2022.170236&partnerID=40&md5=c2e7919a11134490b4d8b5137dc05d05
Design and performance of a double-solenoid magnetic bottle photoelectron spectrometer for attosecond metrology	Kumar M., Raja Ramanna Centre for Advanced Technology, Indore, 452 013, India; Singhal H., Raja Ramanna Centre	Physical Sciences	Review of Scientific Instruments	2023	0034-6748	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147909798&doi=10.1063%2f5.0105623&partnerID=40&md5=4299d290a98e5d2de3c02bc5ba5ecf55
On origin of resistive and capacitive contributions to impedance of memory states in Cu/TiO2/Pt RRAM devices by impedance spectroscopy	Sahu V.K., Laser Material Processing Division, Raja Ramanna Centre for Advanced Technology, Indore, 452 013, Indi	Physical Sciences	Ceramics International	2023	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139240486&doi=10.1016%2fj.ceramint.2022.09.188&partnerID=40&md5=8e20c9be4d8f4b3a1879405d1634681d
Electronic and transport properties of Heusler alloy based magnetic tunneling junctions: A first principles study	Bhattacharya J., Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi Bhabha National Insti	Physical Sciences	Computational Materials Science	2023	0927-0256	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140807804&doi=10.1016%2fj.commatsci.2022.111852&partnerID=40&md5=a1ef17537752fcfc80546ce7ac863c32
Online monitoring and active control of alignment errors in a tiled grating assembly using single wedge plate	Daiya D., Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi Bhabha National Institute, M	Physical Sciences	Optics and Lasers in Engineering	2023	0143-8166	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141258997&doi=10.1016%2fj.optlaseng.2022.107355&partnerID=40&md5=fded85563bfa0881046481fcf64dbda2
Study of metal-assisted chemical etching of silicon as an alternative to dry etching for the development of vertical comb-drives	Sharma V.P., Homi Bhabha National Institute, Anushaktinagar, Maharashtra, Mumbai, India, Synchrotrons Utilizatio	Engineering Sciences; Ph	Journal of Micromanufacturing	2023	2516-5984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145251416&doi=10.1177%2f25165984211033422&partnerID=40&md5=7a86815f07dc8444b748070b510b1785
Effect of electronic transitions on near edge optical properties of off-stoichiometric boron carbide thin films	Modi M.H., Soft X-ray Applications Lab, Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Hom	Physical Sciences	Journal of Applied Physics	2023	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158160603&doi=10.1063%2f5.0145828&partnerID=40&md5=e21abdefd43cada58eefa85d15efc108
Absence of presumed ferroelectricity in methylammonium lead chloride single crystals representing organic-inorganic hybrid perovskites	Dutt S., Accelerator Physics and Synchrotrons Utilization Division, Raja Ramanna Centre for Advanced Technology, I	Physical Sciences	Materials Chemistry and Physics	2023	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144087791&doi=10.1016%2fj.matchemphys.2022.127169&partnerID=40&md5=beba8742f33fd6a018c9c2ad2392405d
Effect of substitution of 3d, 4d and 5d elements on structural, electronic, magnetic properties and XMCD spectra of Co-based full Heusler alloys: A DFT s	Dutt R., Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi Bhabha National Institute, Tra	Physical Sciences	AIP Advances	2023	2158-3226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148456690&doi=10.1063%2f9.0000508&partnerID=40&md5=e9ad53d718fc33ab5eaa5ef132e771e5
Non-Destructive Assessment of the Nutrient Profile of Underutilized Seeds Using Spectroscopic Probes	Sharma S., Saha's Spectroscopy Laboratory, Department of Physics, University of Allahabad, Prayagraj, India; Sharm	Physical Sciences	Analytical Letters	2023	0003-2719	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85134166821&doi=10.1080%2f00032719.2022.2099414&partnerID=40&md5=273ab53a5b2e54d2328c3fb155b4ba29
Role of Different Solvents and Tailor-Made Additives in Asymmetry in Growth Rates along the Opposite Ends of the Polar Axis: The Riddle of α-Resorcino	Singh M.K., Theory & Simulation Laboratory, Theoretical and Computational Physics Section, Raja Ramanna Centre	Physical Sciences	Crystal Growth and Design	2023	1528-7483	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143620171&doi=10.1021%2facs.cgd.2c00882&partnerID=40&md5=ad11d09214613658d482d9d05fa0dff3
Measurements for static shape control optimization of silicon mirror using nonlinear piezoceramic actuators	Sumit, Homi Bhabha National Institute, Anushaktinagar, Mumbai, 400094, India, Accelerator Physics and Synchrotro	Engineering Sciences; Ph	Smart Materials and Structures	2023	0964-1726	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148666074&doi=10.1088%2f1361-665X%2facb86d&partnerID=40&md5=e24aebc5ce620ac778fcf7ca1054ee44
Improvement of Stress Corrosion Cracking Resistance of Shear Cut 304L Stainless Steel through Laser Shock Peening	Gupta R.K., Laser Materials Processing Division, Raja Ramanna Centre for Advanced Technology, Indore, 452 013, In	Physical Sciences	Journal of Materials Engineering and Perforr	2023	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167352206&doi=10.1007%2fs11665-023-08585-y&partnerID=40&md5=16e67ef2d153c11db427fdad80d51048
Effect of electrical poling on the structural, vibrational, and electrical properties of 0.94(Na0.5Bi0.5TiO3) -(0.06-x) CaTiO3-x (BaTiO3) lead-free ceramics	Samantaray K.S., Department of Physics, Indian Institute of Technology Indore, Indore, 453552, India; Amin R., Depa	Physical Sciences	Ceramics International	2023	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146124187&doi=10.1016%2fj.ceramint.2023.01.018&partnerID=40&md5=64930f994ee2fd875e55be3cd27f0123
High output power density owing to enhanced charge transfer in ZnO-based triboelectric nanogenerator	Ajimsha R.S., Oxide Nano Electronics Lab, Laser Material Processing Division, Raja Ramanna Centre for Advanced Te	Physical Sciences	Energy	2023	0360-5442	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140228030&doi=10.1016%2fj.energy.2022.125646&partnerID=40&md5=7b0bd715c1574a14473fb8e8ce44f2c0
Vector dark-bright pulses from a ytterbium doped fiber laser mode-locked by nonlinear multimode interference	Gupta P.K., Laser Technology Division, Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi	Engineering Sciences; Ph	Laser Physics	2023	1054-660X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150427684&doi=10.1088%2f1555-6611%2facc01f&partnerID=40&md5=b9a0b5dbe3b2dfecfaaa01e86ee012bb
Effect of Al2O3 layer thickness on leakage current and dielectric properties of atomic layer deposited Al2O3/TiO2/Al2O3 nano-stack	Padhi P.S., Oxide Nano Electronics Lab., Laser Materials Processing Division, Raja Ramanna Centre for Advanced Tec	Physical Sciences	Journal of Materials Science: Materials in Ele	2023	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159667814&doi=10.1007%2fs10854-023-10615-3&partnerID=40&md5=0f6f0430e06a54869e81d51a1ae95224
Electric field-induced nonlinear behavior of lead zirconate titanate piezoceramic actuators in bending mode	Sumit, Homi Bhabha National Institute, Mumbai, India, Synchrotrons Utilization Section, Raja Ramanna Centre for A	Engineering Sciences	Mechanics of Advanced Materials and Struc	2023	1537-6494	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85129152407&doi=10.1080%2f15376494.2022.2050966&partnerID=40&md5=51b699528f68ecf964b85babadb1fc91
Elucidating laser directed energy deposition based additive manufacturing of copper-stainless steel functionally graded material: Processing and materia	Yadav S., Homi Bhabha National Institute, Anushaktinagar, Maharashtra, Mumbai, 400094, India, Raja Ramanna Cer	Engineering Sciences; Ph	Journal of Manufacturing Processes	2023	1526-6125	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149324193&doi=10.1016%2fj.jmapro.2023.02.041&partnerID=40&md5=46158b9bca6fee617876716d7e977a1c
Artificial neural network-based modeling of flashlamp characteristics	Mairaj A., School of Sciences, Indiana University Kokomo, 2300 South Washington St, Kokomo, 46902, IN, United St	Physical Sciences	Electrical Engineering	2023	0948-7921	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142526346&doi=10.1007%2fs00202-022-01685-3&partnerID=40&md5=ac3769ec6d9c907e76b8c41bb4c9cdd1
Infrared-to-visible conversion in strontium sulphate through a defect-based infrared stimulated visible emission phenomenon	Sharma B., Functional BioMaterials Laboratory, Laser Biomedical Applications Division, Raja Ramanna Centre for Ad	Physical Sciences	Luminescence	2023	1522-7235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149389421&doi=10.1002%2fbio.4461&partnerID=40&md5=c15e54da9cd23daaeab17abda27719be
An additional simultaneous magnetic ordering and magneto-capacitive behavior with dielectric relaxation besides multiferroicity in Fe 1 − x TexVO4	Bera G., Department of Pure and Applied Physics, Guru Ghasidas Vishwavidyalaya, Bilaspur, 495009, India, UGC-DA	Physical Sciences	Journal of Physics Condensed Matter	2023	0953-8984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147046130&doi=10.1088%2f1361-648X%2facb0a4&partnerID=40&md5=dc0fec3557240d55a61fe843fb18a327
Development and characterization of atom chip for magnetic trapping of atoms	Singh V., Laser Physics Applications Division, Raja Ramanna Centre for Advanced Technology, Indore, 452013, India,	Engineering Sciences; Ph	Journal of Applied Physics	2023	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148909147&doi=10.1063%2f5.0130749&partnerID=40&md5=7d2d484a31ca3f4929633711408f66a1
First-principles study to probe the effect of substitution at X and Z sites on the electronic, magnetic and transport properties of Co2X(V, Nb, Ta)Z(Al, Ga,	Dutt R., Raja Ramanna Centre for Advanced Technology, Indore, 452013, India, Homi Bhabha National Institute, Tra	Physical Sciences	Solid State Communications	2023	0038-1098	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142699689&doi=10.1016%2fj.ssc.2022.115022&partnerID=40&md5=2c6358077369c06964bbab80a528be45
A Study on Effect of Multiple Laser Shock Peening on Microstructure, Residual Stress, and Mechanical Strength of 2.5 Ni-Cr-Mo (EN25) Low-Alloy Steel	Muthukumaran G., School of Mechanical Engineering, SASTRA Deemed University, Thanjavur, 613401, India; Rai A.K	Physical Sciences	Journal of Materials Engineering and Perforr	2023	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139485945&doi=10.1007%2fs11665-022-07402-2&partnerID=40&md5=7eff3f889827862b41302b2113988f68
Laser textured superhydrophilic silicon for uniform solidification and sensitive detection of water based samples using laser induced breakdown spectro	Ahlawat S., Laser Technology Division, Raja Ramanna Centre Advanced Technology, M. P. 452013, Indore, India; Mu	Physical Sciences	Journal of Analytical Atomic Spectrometry	2023	0267-9477	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150166663&doi=10.1039%2fd2ja00383j&partnerID=40&md5=814b89c0b3845e25462baf119422ba9e
Cs2KMnCl6: A possible half-metallic double perovskite for spintronics	Ramawat S., Department of Physics, Indian Institute of Technology, Jodhpur, 342030, India; Kukreti S., Department	Physical Sciences	Journal of Applied Physics	2023	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158113668&doi=10.1063%2f5.0145861&partnerID=40&md5=4ca7182eb816279385e84348cd9b7ee4
Optimization of Track Height of LDED Inconel Alloy-718	Maurya A.K., Department of Mechanical Engineering, National Institute of Technology, Bihar, Patna, India; Amit K.,	Engineering Sciences	NanoWorld Journal	2023	2379-1101	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168117304&doi=10.17756%2fnwj.2023-s1-038&partnerID=40&md5=86b79838bbea80742564f89030fd861d
Interface-resolved study of magnetism in MgO/FeCoB/MgO trilayers using x-ray standing wave techniques	Jamal M.S., UGC-DAE Consortium for Scientific Research, Indore, 452001, India; Gupta P., Raja Ramanna Centre for	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148327529&doi=10.1103%2fPhysRevB.107.075416&partnerID=40&md5=49800b62a472adb6ee0f67f6a860f9f5
Study of oxidation behaviour of Ruthenium thin film after thermal annealing in oxygen environment	Gupta S., Accelerator Physics and Synchrotrons Utilization Division, Raja Ramanna Centre for Advanced Technology	Physical Sciences	Thin Solid Films	2023	0040-6090	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142747567&doi=10.1016%2fj.tsf.2022.139606&partnerID=40&md5=0503c5b6180878bb4f0e26cc1a114305
Direction dependent crystalline perfection, Z-scan studies and fabrication of Type-I and Type-II SHG elements using imidazolium L-tartrate crystals for op	Sidden C., Department of Physics, V.S.B. Engineering College, Tamil Nadu, Karur, 639111, India, Centre for Crystal G	Physical Sciences	Journal of Physics and Chemistry of Solids	2023	0022-3697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140987472&doi=10.1016%2fj.jpcs.2022.111065&partnerID=40&md5=126b4afa4a053779c81053d32f694e5b
As K-edge absorption at high pressures in AFeAs (A=Na/Li): First principles results	Ghosh S., Chemical Sciences Division, Lawrence Berkeley National Laboratory, Berkeley, 94720, CA, United States; G	Physical Sciences	Journal of Electron Spectroscopy and Relate	2023	0368-2048	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149057408&doi=10.1016%2fj.elspec.2023.147286&partnerID=40&md5=265e5360046c855cdb98df323e9ac0f6
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Detection of Nontrivial Topology Driven by Charge Density Wave in a Semi-Dirac Metal	Alam R., Department of Condensed Matter and Materials Physics, S. N. Bose National Centre for Basic Sciences, Sec	Life Sciences	Advanced Functional Materials	2023	1616-301X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169164765&doi=10.1002%2fadfm.202306751&partnerID=40&md5=2540514b131894114e7c703a5c65bf0
Production and validation of industrially produced large-sized GEM foils for the Phase-2 upgrade of the CMS muon spectrometer	Abbas M., Karlsruhe Institute of Technology, Karlsruhe, Germany; Abbrescia M., Politecnico di Bari, Università di Ba	Physical Sciences	Nuclear Instruments and Methods in Physic	2023	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173049159&doi=10.1016%2fj.nima.2023.168723&partnerID=40&md5=5efe9672593f4bacfe5224dcd44f6e54
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Thermoelectric properties of Ru2TiGe Heusler phase	Mondal S., Maharaja Manindra Chandra College, 20 Ramkanto Bose Street, West Bengal, Kolkata, 700003, India, Co	Physical Sciences	Journal of Alloys and Compounds	2023	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164489644&doi=10.1016%2fj.jallcom.2023.171050&partnerID=40&md5=67a9aa05e7beafcd7d5131690a6896f
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Molecular Dipole Layer and Alkyl Side-Chain Induced Improvement in the Energy Level Alignment and Wetting of Dinaphthothienothiophene Thin Films	Mandal S., Saha Institute of Nuclear Physics, A CI of Homi Bhabha National Institute, Kolkata, 700	Life Sciences; Physical Sc	Journal of Physical Chemistry C	2023	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171772820&doi=10.1021%2facs.jpcc.3c04114&partnerID=40&md5=91e28dbe4bcee44485f3e5ebeccb686
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Critical behavior and phase diagram of skyrmion-hosting material Co3.6Fe4.42n8Mn4 probed by anomalous Hall effect	Bhattacharya A., CMP Division, Saha Institute of Nuclear Physics, A CI of Homi Bhabha National Institute, Kolkata, 7	Physical Sciences	Journal of Alloys and Compounds	2023	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160570381&doi=10.1016%2fj.jallcom.2023.170274&partnerID=40&md5=ff10784bda7c1796e2a463f50c361253
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Electrically Controlled Bimetallic Junctions for Atomic-Scale Electronics	Singh A.K., Department of Chemical and Biological Physics, Weizmann Institute of Science, Rehovot, 7610001, Israe	Physical Sciences	Nano Letters	2023	1530-6984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169936086&doi=10.1021%2facs.nanolett.3c00508&partnerID=40&md5=6090e211ecf27f660fe6bff6251064ab
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Star tracking for pointing determination of Imaging Atmospheric Cherenkov Telescopes: Application to the Large-Sized Telescope of the Cherenkov Tele	Abe K., Department of Physics, Tokai University, 4-1-1, Kita-Kaname, Hiratsuka, Kanagawa, 259-1292, Japan; Abe S.	Physical Sciences	Astronomy and Astrophysics	2023	0004-6361	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178403093&doi=10.1051%2f0004-6361%2f202347128&partnerID=40&md5=2020ac2036f15347b9155bb65c1a0dab
Statistical properties of superfluid turbulence in He 4 from the Hall-Vinen-Bekharevich-Khalatnikov model	Verma A.K., Centre for Condensed Matter Theory, Department of Physics, Indian Institute of Science, Bangalore, 56	Physical Sciences	Physical Review E	2023	2470-0045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175066433&doi=10.1103%2fPhysRevE.108.045103&partnerID=40&md5=69e6ffb19ed8726da1a087afd3560700
Defect analysis and microstructural characterization of zinc-substituted cadmium oxide nanocrystallites by positron annihilation and supplementary me	Ahmed M., Applied Nuclear Physics Division, Saha Institute of Nuclear Physics, Kolkata, 700064, India, Homi Bhaba	Physical Sciences	Physica Scripta	2023	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176730178&doi=10.1088%2f1402-4896%2fad03c0&partnerID=40&md5=3e0227a6c9a1d8bed2da86417762d6d5
The impact of oxygen deficiency on giant exchange bias in perovskite oxide: SrFe0.5Co0.5O3-δ (δ = 0.37)	Pal K., CMP Division, Saha Institute of Nuclear Physics, A CI of Homi Bhabha National Institute, Kolkata, 700064, Ind	Physical Sciences	Journal of Alloys and Compounds	2023	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161635866&doi=10.1016%2fj.jallcom.2023.170794&partnerID=40&md5=f5965cdbcfe03dd6ca7017905367ccd6
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Spin-gapless semiconducting characteristics and related band topology of quaternary Heusler alloy CoFeMnSn	Gupta S., Condensed Matter Physics Division, Saha Institute of Nuclear Physics, 1/AF Bidhannagar, Kolkata, 700064,	Physical Sciences	Journal of Materials Chemistry C	2023	2050-7526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180812088&doi=10.1039%2fd3tc01218c&partnerID=40&md5=ebbc9b7ff7e188462355b716f13
Temperature dependence of the static quark diffusion coefficient	Banerjee D., Saha Institute of Nuclear Physics, HBNI, Kolkata, 700064, India, Homi Bhabha National Institute, Train	Physical Sciences	Nuclear Physics A	2023	0375-9474	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165688414&doi=10.1016%2fj.nuclphysa.2023.122721&partnerID=40&md5=a9aeb90f9297c69aa666d9207a49c57e
Mobility-induced order in active XY spins on a substrate	Haldar A., Theory Division, Saha Institute of Nuclear Physics, A CI of Homi Bhabha National Institute, 1/AF Bidhanna	Physical Sciences	Physical Review E	2023	2470-0045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172878762&doi=10.1103%2fPhysRevE.108.L032101&partnerID=40&md5=2923ffb81beaa9393b3b95bd5b033681
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Nucleoside-Derived Metallohydrogel Induces Cell Death in Leishmania Parasites	Bhattacharya S., School of Chemical Sciences, Indian Association for the Cultivation of Science, Kolkata, 700032, Ind	Life Sciences	ACS Infectious Diseases	2023	2373-8227	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170034461&doi=10.1021%2facsinfecdis.2c00635&partnerID=40&md5=1e6555379763429726809a829c9d6bc42
Performance of the CMS High Granularity Calorimeter prototype to charged pion beams of 20-300 GeV/c	Acar B., Boğaziçi University, Bebek, Istanbul, 34342, Turkey; Adamov G., Gregorian Technical University, 77 Kostava	Physical Sciences	Journal of Instrumentation	2023	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172004579&doi=10.1088%2f1748-0221%2f18%2f08014&partnerID=40&md5=b2a831eb65aec3df2232ce11ee0ed535
Muon g - 2 and W-mass in a framework of colored scalars: an LHC perspective	Chakrabarty N., Department of Physics, Indian Institute of Technology Kanpur, Uttar Pradesh, Kanpur, 208016, Indi	Physical Sciences	European Physical Journal C	2023	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173094230&doi=10.1140%2epjc%2fs10052-023-11972-8&partnerID=40&md5=f1865efefd1f38e422
Multiwavelength study of TeV blazar 1ES 1218+304 using gamma-ray, X-ray and optical observations	Diwan R., Laboratory for Space Research, The University of Hong Kong, 405B Cyberport 4, 100 Cyberport Road Cybe	Physical Sciences	Monthly Notices of the Royal Astronomical S	2023	0035-8711	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168148931&doi=10.1093%2fmnras%2fstad2088&partnerID=40&md5=f5540b69228170565ac24af2bbb1d6d
Nature of polaronic hopping conduction mechanism in polycrystalline and nanocrystalline Gd0.5Sr0.5MnO3 compounds	Chatterjee S., CMP Division, Saha Institute of Nuclear Physics, A CI of Homi Bhabha National Institute, Kolkata, 700	Physical Sciences	Journal of Alloys and Compounds	2023	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152278000&doi=10.1016%2fj.jallcom.2023.170011&partnerID=40&md5=f0d10af9d06557be4a3d221d4111fe65
Salmonella typhimurium detection and ablation using OmpD specific aptamer with non-magnetic and magnetic graphene oxide	Gupta R., National Agri-Food Biotechnology Institute, Sector 81, Mohali, 140306, India, Department of Biotechnolo	Chemical Sciences	Biosensors and Bioelectronics	2023	0956-5663	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153673386&doi=10.1016%2fj.bios.2023.115354&partnerID=40&md5=7c5a42a3c471ddf1fdb9aa308576c74b
Sensitivity of the Cherenkov Telescope Array to TeV photon emission from the Large Magellanic Cloud	Acharyya A., University of Alabama, Tuscaloosa, Department of Physics and Astronomy, Gallalee Hall, Box 870324,	Physical Sciences	Monthly Notices of the Royal Astronomical S	2023	0035-8711	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167600749&doi=10.1093%2fmnras%2fstad1576&partnerID=40&md5=cfcbec470543dd4db118a0b46310007
Anomalous Collective Dynamics of Autochemotactic Populations	Van Der Kolk J., Arnold Sommerfeld Center for Theoretical Physics and Center for NanoScience, Department of Phy	Physical Sciences	Physical Review Letters	2023	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169295994&doi=10.1103%2fPhysRevLett.131.088201&partnerID=40&md5=b2045c9fa038125879392f5089dc2438
Defects characteristic investigation of bismuth ferrite nanocrystallites through positron annihilation and supportive methods	Mukherjee S., Applied Nuclear Physics Division, Saha Institute of Nuclear Physics, Kolkata, 700064, India, Homi Bhaba	Physical Sciences	Journal of Physics and Chemistry of Solids	2023	0022-3697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160207969&doi=10.1016%2fj.jpcs.2023.111462&partnerID=40&md5=011054a6e99a35240a5d6b7ec9807f83
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Multiple Gold Nanoparticle Cores within a Single SiO2 Shell for Preservable Solid-State Surface-Enhanced Raman Scattering and Catalytic Sensing	Dey S., Surface Physics and Material Science Division, Saha Institute of Nuclear Physics, A CI of Homi Bhaba Nationa	Chemical Sciences; Physi	ACS Applied Nano Materials	2023	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169004706&doi=10.1021%2facsanm.3c02455&partnerID=40&md5=b606997062449937b8c54a191a32c876
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Sensitivity of the Cherenkov Telescope Array to neutral signatures of hadronic PeVatrons with application to Galactic Supernova Remnants	Acero F., Université Paris Saclay, Université Paris Cité, CEA, CNRS, AIM, Gif-sur-Yvette Cedex, F-91191, France; Acha	Physical Sciences	Astroparticle Physics	2023	0927-6505	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151783384&doi=10.1016%2fj.astropartphys.2023.102850&partnerID=40&md5=46c1d326bf585fe5510da3b1a6d5856b
State dependence of Krylov complexity in 2d CFTs	Kundu A., Theory Division, Saha Institute of Nuclear Physics, Homi Bhaba National Institute (HBNI), 1/AF, Bidhanna	Physical Sciences	Journal of High Energy Physics	2023	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169915446&doi=10.1007%2fJHEP09%282023%29011&partnerID=40&md5=5ea0064bd90970b457636eb794f2176c
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The preparation of LiF targets for reactions involving 7Li target	Sahoo L.K., Saha Institute of Nuclear Physics, Bidhan nagar, Kolkata, 700064, India, Homi Bhaba National Institute, P	Physical Sciences	Vacuum	2023	0042-207X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151462288&doi=10.1016%2fj.vacuum.2023.112055&partnerID=40&md5=9741e4bfaf67e6a7213026536e4b62123
Elevated Levels of Lamin A Promote HR and NHEJ-Mediated Repair Mechanisms in High-Grade Ovarian Serous Carcinoma Cell Line	Sengupta D., Biophysics and Structural Genomics Division, Saha Institute of Nuclear Physics, Kolkata, 700064, India,	Life Sciences	Cells	2023	2073-4409	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164622122&doi=10.3390%2fcells12050757&partnerID=40&md5=114422aecaad9c3aea29d21a53390bf9
Observation of conventional and inverse magnetocaloric effects in (Dy 0.6 Gd 0.4) 5 Pd 2	Ghosh S., Department of Physics, School of Sciences, National Institute of Technology Andhra Pradesh, Andhra Prad	Physical Sciences	Indian Journal of Physics	2023	0973-1458	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142667485&doi=10.1007%2fs12648-022-02531-9&partnerID=40&md5=a16f87c859421888e00c88d8273c91a0
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2D WS2-Based Single-Electrode Triboelectric Nanogenerator for Power Generation and Motion Sensing	Chekke T., Department of Physics, Rajiv Gandhi University, Arunachal Pradesh, Doimukh, 791112, India; Narzary R.,	Physical Sciences	Journal of Electronic Materials	2023	0361-5235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146885455&doi=10.1007%2fs11664-023-10231-1&partnerID=40&md5=0497afa745a5d53442090157dd972485
Nuclear modification factor of average D mesons in an anisotropic quark–gluon plasma at the LHC energies	Shaikh W., Mugberia Gangadhar Mahavidyalaya, Mugberia Itaberia Road, West Bengal, Bhupati Nagar, 721425, Ind	Physical Sciences	European Physical Journal Plus	2023	2190-5444	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163439886&doi=10.1140%2fepjp%2fs13360-023-04208-6&partnerID=40&md5=39a23c8c5e702f3118b655fd069eb515
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Observational constraint from the Hubble pulsar PSR J0952-0607 on the equation of state of dense matter in relativistic mean field model	Kumar R., Department of Physics, Himachal Pradesh University, Shimla, 171005, India; Kumar S., Department of Ph	Physical Sciences	Physical Review D	2023	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165133341&doi=10.1103%2fPhysRevD.107.055801&partnerID=40&md5=512ba4ef2a268ba8fab0b55dc2f1
Multiwavelength study of the galactic PeVatron candidate LHAASO J2108+5157	Abe S., Institute for Cosmic Ray Research, University of Tokyo, 5-1-5, Kashiwa-no-ha, Kashiwa, Chiba, 277-8582, Jap	Physical Sciences	Astronomy and Astrophysics	2023	0004-6361	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160420613&doi=10.1051%2f0004-6361%2f202245086&partnerID=40&md5=d4eec6e4c6f9478d1382fe94224b334
CREX- and PREX-II-motivated relativistic interactions and their implications for the bulk properties of nuclear matter and neutron stars	Kumar M., Department of Physics, Himachal Pradesh University, Shimla, 171005, India; Kumar S., Department of Ph	Physical Sciences	Physical Review C	2023	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161272252&doi=10.1103%2fPhysRevC.107.055801&partnerID=40&md5=742b6a11c388dd39bb0d7ca9d0f8e138
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Transition-metal oxide assisted quaternary nanoarchitectonics based composite towards enhanced electrochemical energy storage performance	Ghosh S., Surface Physics and Materials Science Division, Saha Institute of Nuclear Physics, Kolkata, 700032, India,	Life Sciences	Applied Physics A: Materials Science and Pro	2023	0947-8396	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162245466&doi=10.1007%2fs00339-023-06661-7&partnerID=40&md5=5368d7f21c522088ca88ae8d5ea8fc9a	
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Opto-electronic properties of Zn(Al,Ga)2O4/Al2O3/ZnAlFl1-xO2 thin-films: The influence of substrate temperature	Sultana R., Saha Institute of Nuclear Physics, A CI of Homi Bhabha National Institute, Kolkata, 700064, India; Ghosh	Physical Sciences	Vacuum	2023	0042-207X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151705482&doi=10.1016%2fj.vacuum.2023.112048&partnerID=40&md5=0936f53619f1b8c6ac7f7c2ccc2ed9d8090f0319
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Magnetic properties and universal behaviour of magnetocaloric effect for polycrystalline (Nd0.5Sm0.5)0.5Sr0.5MnO3 compound	Chatterjee S., CMP Division, Saha Institute of Nuclear Physics, A CI of Homi Bhabha National Institute, 1/AF-Bidhann	Physical Sciences	Journal of Alloys and Compounds	2023	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142380388&doi=10.1016%2fj.jallcom.2022.167957&partnerID=40&md5=551d5e524639ba7fbd9705ebcf79dbb4e
Probing Molecular Chirality on the Self-Assembly and Gelation of Naphthalimide-Conjugated Dipeptides	Kuila S., Department of Chemistry, University of North Bengal, West Bengal, Siliguri, 734013, India; Singh A.K., IIT Kl	Physical Sciences	Journal of Physical Chemistry B	2023	1520-6106	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160762542&doi=10.1021%2facs.jpcb.3c01273&partnerID=40&md5=585eba1c8d528d87ff29495b9ace530c
Weak Universality Induced by Q=±2e Charges at the Deconfinement Transition of a (2+1)-Dimensional U(1) Lattice Gauge Theory	Sau I., School of Physical Sciences, Indian Association for the Cultivation of Science, Kolkata, 700032, India; Sen A., S	Physical Sciences	Physical Review Letters	2023	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148333298&doi=10.1103%2fPhysRevLett.130.071001&partnerID=40&md5=1642435746e094a9ef89aa77b8909a3
MAGIC observations provide compelling evidence of hadronic multi-TeV emission from the putative PeVatron SNR G106.3+2.7	Abe H., Japanese Magic Group. Institute for Cosmic Ray Research (ICRR), The University of Tokyo, Kashiwa, Chiba, 2	Physical Sciences	Astronomy and Astrophysics	2023	0004-6361	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85194355950&doi=10.1051%2f0004-6361%2f202244931&partnerID=40&md5=49fa4614abccd83e108114d211f2046c4
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Engineering Multifunctionality in MoSe2 Nanostructures Via Strategic Mn Doping for Electrochemical Energy Storage and Photosensing	Masanta S., Department of Physics, Bose Institute, 93/1 Acharya Prafulla Chandra Road, Kolkata, 700009, India; Na	Physical Sciences	ACS Applied Nano Materials	2023	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151816708&doi=10.1021%2facsanm.2c05592&partnerID=40&md5=30df6ac18e00ec53d8ea081491d0652a
Material surface characterization using low-energy electron microscopy and photoemission electron microscopy	Mohanty S.R., Surface Physics and Material Science Division, Saha Institute of Nuclear Physics, A CI of Homi Bhaba	Physical Sciences	Indian Journal of Physics	2023	0973-1458	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146300621&doi=10.1007%2fs12648-022-02577-9&partnerID=40&md5=25ac7f26ea9845628a5ea143e0ca3824
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NATURAL RADIOACTIVITY AND ASSESSMENT OF HAZARD INDICES OF THE SOIL FOUND AT SUNG VALLEY, MEGHALAYA	Ryngnga J.T., Department of Physics, North Eastern Hill University, Shillong 793200, India; Jyrwa B.M., Department	Physical Sciences	Radiation protection dosimetry	2023	1742-3406	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85195522708&doi=10.1093%2rpd%2fncad052&partnerID=40&md5=bb2343c02444bc602e2f2c6e2a27ddd41
Growth and reconstructions of Pb ultrathin films on Si(100) surfaces	Mohanty S.R., Surface Physics and Material Science Division, Saha Institute of Nuclear Physics, A CI of Homi Bhaba	Physical Sciences	Indian Journal of Physics	2023	0973-1458	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158125038&doi=10.1007%2fs12648-022-02439-9&partnerID=40&md5=sdd54f1693a0831750c7a833add45d5ea4
Resultant inward mass-flux-induced concave gold nanostar (CAuNS) for non-enzymatic electrocatalytic detection of serotonin an	Roy A., Chemical Sciences Division, Saha Institute of Nuclear Physics, HBNI, 1/AF Bidhannagar, Kolkata, 700064,	Physical Sciences; Physi	Analytica Chimica Acta	2023	0003-2670	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146417298&doi=10.1016%2fj.aca.2023.341033&partnerID=40&md5=d5da2c1d1d1331ec85e7c457f
Pulse shape simulation and discrimination using machine learning techniques	Dutta S., High Energy Nuclear and Particle Physics Division, Saha Institute of Nuclear Physics, Kolkata, 700064, India	Physical Sciences	Journal of Instrumentation	2023	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150929109&doi=10.1088%2f1748-0221%2f18%2f03%2fP03038&partnerID=40&md5=9e5490d8431dbf87ae697b1971c159a9
Prominent quantum many-body scars in a truncated Schwinger model	Desaules J.-Y., School of Physics and Astronomy, University of Leeds, Leeds, LS2 9JT, United Kingdom; Hudomal A., S	Physical Sciences	Physical Review B	2023	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158889674&doi=10.1103%2fPhysRevB.107.205113&partnerID=40&md5=c500cac56386b9a16f1c3e42cd33b3bc
Fragmentation dynamics of tetrachloromethane molecule induced by highly charged Ar7+ion impact	Das N., Department of Physics, Indian Institute of Engineering Science and Technology, Shibpur, West Bengal, How	Physical Sciences	Journal of Chemical Physics	2023	0021-9606	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143116094&doi=10.1063%2f5.0135440&partnerID=40&md5=b8773027ed1f19d1f4fb6ead92cfcf8c
Long-Term multi-wavelength study of 1ES 0647+250	Acciari V.A., Instituto de Astrofísica de Canarias and Dpto. de Astrofísica, Universidad de la Laguna, La Laguna, Tene	Physical Sciences	Astronomy and Astrophysics	2023	0004-6361	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147666222&doi=10.1051%2f0004-6361%2f202244477&partnerID=40&md5=6fcea8b42c4fb5f7222c7c7efd9c80fc
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Block co-polymer template-mediated synthesis of sub-micron-sized rice-grain/rod-shaped TiO2 nanoparticles and their conversion to TiO2–Ag composit	Maity J., Department of Chemistry, University of Calcutta, 92 A.P.C. Road, Kolkata, 700009, India; Roy D., Departme	Physical Sciences	Polymer Bulletin	2023	0170-0839	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127739244&doi=10.1007%2fs00289-022-04170-w&partnerID=40&md5=e67b7954e6dd747cb5d5fef8d41a13
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Genome-wide DNA methylation profiling of HPV-negative leukoplakia and gingivobuccal complex cancers	Inchanalkar M., Mahimkar Lab, Cancer Research Institute (CRI), Advanced Centre for Treatment, Research and Educ	Life Sciences	Clinical Epigenetics	2023	1868-7075	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160248767&doi=10.1186%2fs13148-023-01510-z&partnerID=40&md5=f07f7828fa81c992e1299651006ea0d3
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CT-Based Screening for Pulmonary Metastases in Head and Neck Squamous Cell Cancers: Diagnostic Accuracy and Cost Comparison with PET-CECT	Mahajan A., The Clatterbridge Cancer Centre NHS Foundation Trust, Pembroke Place, Liverpool, L7 8YA, United King	Medical and Health Scien	Indian Journal of Surgical Oncology	2023	0975-7651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164462329&doi=10.1007%2fs13193-023-01783-z&partnerID=40&md5=0684a8edce5ff686ad1d34934c582901
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A Sequential "Top-Down" and "Retro Mesenteric Caudo-cranial Superior Mesenteric Artery Approach" for Posteriorly Located Locally Advanced Pancrea	Parray A.M., BLK-Max Super Specialty Hospital, New Delhi, India; Chaudhari V., Gastrointestinal and Hepato-Pancre	Medical and Health Scien	Journal of Gastrointestinal Cancer	2023	1941-6628	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153094814&doi=10.1007%2fs12029-023-00938-z&partnerID=40&md5=022b13413c1e8cad051680f4359d64f7
Assessment of PD-L1, TROP2, and nectin-4 expression in penile squamous cell carcinoma	Tekin B., Department of Laboratory Medicine and Pathology, Mayo Clinic, Rochester, MN, United States; Cheville J.	Medical and Health Scien	Human Pathology	2023	0046-8177	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178209391&doi=10.1016%2fj.humpath.2023.10.003&partnerID=40&md5=69e08b7e9e14d0608203e39274636298
Enhanced recovery pathway in open and minimally invasive colorectal cancer surgery: a prospective study on feasibility, compliance, and outcomes in a	Thomas M., Department of Anaesthesia, Critical Care and Pain, Tata Memorial Centre, Homi Bhabha National Institu	Medical and Health Scien	Langenbeck's Archives of Surgery	2023	1435-2443	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148547895&doi=10.1007%2fs00423-023-02832-5&partnerID=40&md5=df0d97081e7f0fd54434d0571c8a031c
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International standardization and optimization group for intersphincteric resection (ISOG-ISR): modified Delphi consensus on anatomy, definition, indica	Piozzi G.N., Korea University Anam Hospital, Seoul, South Korea; Khobragade K., Alexis Multispecialty Hospital, Nag	Medical and Health Scien	Colorectal Disease	2023	1462-8910	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167693704&doi=10.1111%2fcodi.16704&partnerID=40&md5=68b68969f98637434758ce0fedd7bc7b
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Comparison of Functional Outcomes of Intestinal Flaps Vs Tubed Fasciocutaneous Flaps for Circumferential Pharyngoesophageal Defects—an Indian Pe	Kumar V., Department of Plastic and Reconstructive Surgery, Tata Memorial Hospital, Homi Bhabha National Institu	Medical and Health Scien	Indian Journal of Surgical Oncology	2023	0975-7651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150664857&doi=10.1007%2fs13193-023-01723-x&partnerID=40&md5=5affc08fde41b6413f8a275be38e9e9b
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Diagnostic Performance of Response Assessment FDG-PET/CECT in HNSCC Treated With Definitive Radio(chemo)therapy Using NI-RADS	Paul S., Department of Radiation Oncology, Tata Memorial Hospital (TMH)/Advanced Centre for Treatment Researc	Medical and Health Scien	Otolaryngology - Head and Neck Surgery (U	2023	0194-5998	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149341778&doi=10.1002%2fohn.305&partnerID=40&md5=89f1751db577ca9cbac3057bf134ab70
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A National Cancer Grid pooled procurement initiative, India; [Initiative d'achat groupé par le Réseau National de lutte contre le Cancer en Inde]; [Una in	Pramesh C.S., Tata Memorial Hospital, Tata Memorial Centre, affiliated with the Homi Bhabha National Institute, Dr	Life Sciences; Medical an	Bulletin of the World Health Organization	2023	0042-9686	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168849261&doi=10.2471%2fBLT.23.289714&partnerID=40&md5=b7382bbc7f8601ee53e5bca3457b9b01
Efficacy and adverse events profile of videolaryngoscopy in critically ill patients: subanalysis of the INTUBE study	Russotto V., Department of Anesthesia and Critical Care, University Hospital San Luigi Gonzaga, University of Turin,	Medical and Health Scien	British Journal of Anaesthesia	2023	0007-0912	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159559533&doi=10.1016%2fj.bja.2023.04.022&partnerID=40&md5=c415c83121ddff02eb17c26915ed3421
Risk factors for mortality over 18 years in 317 ICUs in 9 Asian countries: The impact of healthcare-associated infections	Rosenthal V.D., Department of Public Health Sciences, University of Miami Miller School of Medicine, Miami, Unite	Medical and Health Scien	Infection Control and Hospital Epidemiology	2023	0899-823X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158889773&doi=10.1017%2fice.2022.245&partnerID=40&md5=dded7a4ba243528988ec0b83d7547057
Impact of surgical site infection on unplanned hospital readmissions, initiation of adjuvant treatment following surgery, and disease-free survival on pat	Thiagarajan S., Department of Head & Neck Surgical Oncology, Tata Memorial Hospital, Homi Bhabha National Insti	Life Sciences; Medical an	Journal of Surgical Oncology	2023	0022-4790	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160639773&doi=10.1002%2fjso.27356&partnerID=40&md5=03ba6b9cfec1e1fa72ef60575d039f41
In-silico and structure-based assessment to evaluate pathogenicity of missense mutations associated with non-small cell lung cancer identified in the Ep	Chakraborty S., Advanced Centre for Treatment, Research and Education in Cancer, Kharghar, Maharashtra, Navi M	Life Sciences	Genomics and Informatics	2023	2234-0742	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173546443&doi=10.5808%2fgi.22069&partnerID=40&md5=3ea101d71629b14bf0b55fb344991a75
Targeting transcriptional kinase of CDK7 halts proliferation of multiple myeloma cells by modulating the function of canonical NF-kB pathway and cell cy	Dutta R.P., Hasan Lab, ACTREC-Tata Memorial Centre, Mumbai, India, Hematology and Medical Oncology, Mount Si	Life Sciences; Medical an	Translational Oncology	2023	1936-5233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163033611&doi=10.1016%2fj.tranon.2023.101729&partnerID=40&md5=2d4bf9676ade9c107265100725f0723f
Does granulocyte transfusion help pediatric cancer patients with sepsis?	Keerthivasagam S., Division of Pediatric oncology, Tata Memorial Centre, Homi Bhabha National Institute, Maharas	Medical and Health Scien	Pediatric Blood and Cancer	2023	1545-5009	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164511074&doi=10.1002%2fpbc.30547&partnerID=40&md5=9139ed259e1f4bf1564d3bfb019478f1
HRAS-mutated primary thyroid malignant melanoma or medullary thyroid carcinoma with melanocytic dedifferentiation? A singular case with an ontog	Subramanian P., Department of Pathology, Tata Memorial Center, Mumbai, 400012, India, Homi Bhabha National I	Medical and Health Scien	Virchows Archiv	2023	0945-6317	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166972951&doi=10.1007%2fs00428-023-03619-1&partnerID=40&md5=549e43f5f8d8e9c1873fdda8df740285
Survival of Trial-Like and Non-Trial-Like Patients With Immunotherapy in Advanced Hepatocellular Carcinoma in Real World: A Collaborative Multicenter	Ramaswamy A., Department of Medical Oncology, Tata Memorial Hospital, Homi Bhabha National Institute (HBNI),	Medical and Health Scien	JCO global oncology	2023	2687-8941	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178513455&doi=10.1200%2fGO.23.00215&partnerID=40&md5=391e8b0aa82df993100ec16ac3b7edea
Spectrum of Histopathological, Immunohistochemical, Molecular and Radiological Features in 12 Cases of BCOR::CCNB3-positive Sarcomas With Literatu	Rekhi B., Department of Surgical Pathology, Tata Memorial Centre, Homi Bhabha National Institue (HBNI) University	Medical and Health Scien	International Journal of Surgical Pathology	2023	1066-8969	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145423899&doi=10.1177%2f10668969221143467&partnerID=40&md5=5bfc9a602168db179e60c1fa99e01104
Adverse Events during Intrahospital Transport of Critically Ill Patients: A Multicenter, Prospective, Observational Study (I-TOUCH Study)	Zirpe K.G., Neuro-intensive Care Unit, Ruby Hall Clinic, Maharashtra, Pune, India; Tiwari A.M., Neuro-intensive Care	Medical and Health Scien	Indian Journal of Critical Care Medicine	2023	0972-5229	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170526240&doi=10.5005%2fjp-journals-10071-24530&partnerID=40&md5=536e553b8c22da64a4f7531e53ab62f8
Green nanotechnology approaches using Mesobacillus jeotgali ADCG SIST 4 strain synthesized gold nanoparticles for anticancer studies	Das C.G.A., Centre for Ocean Research & Earth Science and Technology Cell, Sathyabama Institute of Science and Te	Life Sciences	Journal of Drug Delivery Science and Techno	2023	1773-2247	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172878716&doi=10.1016%2fj.jddst.2023.104976&partnerID=40&md5=179acb9eb1fab253bd52c8cdad663a1d
Rectal cancer lexicon 2023 revised and updated consensus statement from the Society of Abdominal Radiology Colorectal and Anal Cancer Disease-Focu	Lee S., Radiological Sciences, University of California, Irvine, Irvine, CA, United States, University of California at Irvi	Medical and Health Scien	Abdominal Radiology	2023	2366-004X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158148742&doi=10.1007%2fs00261-023-03893-2&partnerID=40&md5=ad9d3dbf369715c405ef3fa71cb07f22
Ataxia-telangiectasia and combined hepatocellular-cholangiocarcinoma: A case report	Singh T.P., Department of Surgical Oncology, Tata Memorial Hospital, Maharashtra, Mumbai, India; Patkar S., Depa	Medical and Health Scien	Indian Journal of Pathology and Microbiolog	2023	0377-4929	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179649665&doi=10.4103%2fijpm.ijpm_940_22&partnerID=40&md5=f776acd78fc74321945c1aa9d4085c53
Transitioning India to advanced image based adaptive brachytherapy: a national impact analysis of upgrading National Cancer Grid cervix cancer guideli	Hande V., Advanced Centre for Treatment Research and Education in Cancer (ACTREC), Tata Memorial Centre, Hom	Medical and Health Scien	The Lancet Regional Health - Southeast Asia	2023	2772-3682	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161294293&doi=10.1016%2fj.lansea.2023.100218&partnerID=40&md5=a6e5adfdff7de6def9c60a16a02593bd
Analgesic efficacy of the inferior alveolar nerve block for maxillofacial cancer surgery under general anaesthesia - A randomised controlled study	Shetmahajan M., Department of Anaesthesiology, Critical Care and Pain, Tata Memorial Hospital and Homi Bhabha	Medical and Health Scien	Indian Journal of Anaesthesia	2023	0019-5049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176323518&doi=10.4103%2fija.ija_313_23&partnerID=40&md5=cdb5dba4916c3c03ca9e71b1d96eacc4
Triple Reporter Assay: A Non-Overlapping Luciferase Assay for the Measurement of Complex Macromolecular Regulation in Cancer Cells Using a New M	Mujawar A., Molecular Functional Imaging Laboratory, Advanced Centre for Treatment, Research and Education in	Life Sciences	Sensors	2023	1424-8220	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170562790&doi=10.3390%2fs23177313&partnerID=40&md5=d1b0513cc361341431b4bacab91748d3
Succinate dehydrogenase deficient renal cell carcinoma: A case report of an uncommon renal cancer	Kodare D., Departments of Pathology and Maharashtra, India; Menon S., Departments of Pathology and Maharasht	Medical and Health Scien	Indian Journal of Cancer	2023	0019-509X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183312295&doi=10.4103%2fijc.ijc_801_21&partnerID=40&md5=0645cb9ff96f92ebbd655545daee4bcf
Validation of PREDICT Version 2.2 in a Retrospective Cohort of Indian Women With Operable Breast Cancer	Nair N.S., Tata Memorial Centre, Mumbai, India; Kothari B., Tata Memorial Centre, Mumbai, India; Gupta S., Tata M	Life Sciences; Medical an	JCO global oncology	2023	2687-8941	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179637680&doi=10.1200%2fGO.23.00114&partnerID=40&md5=99aafae467e04039e5ffe838dbdd224c
Safety, immunogenecity and effectiveness of ChAdOx1 nCoV-19 vaccine during the second wave of pandemic in India: A real-world study	Chavan P., Composite Lab, ACTREC, Tata Memorial Centre, Navi Mumbai, India, Homi Bhabha National Institute, Tr	Life Sciences; Medical an	Drug Metabolism and Personalized Therapy	2023	2363-8907	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158063781&doi=10.1515%2fdmpt-2022-0150&partnerID=40&md5=6046b1f72603009c2526322c93884ecd
Large functional retroperitoneal paraganglioma: A surgical challenge	Varty G., Department of Hepatopancreaticobiliary Surgical Oncology, Tata Memorial Hospital, Homi Bhabha Nationa	Medical and Health Scien	Indian Journal of Urology	2023	0970-1591	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176367864&doi=10.4103%2fiju.iju_199_23&partnerID=40&md5=cd208c591efaf0cdc25fc276a9a0e9cd
Laparoscopic cytoreductive surgery and hyperthermic intraperitoneal chemotherapy: Long term oncologic outcomes from the international PSOGI regis	Arjona-Sanchez A., Unit of Surgical Oncology, Reina Sofia University Hospital, Cordoba, Spain, GE09 Research in Per	Medical and Health Scien	European Journal of Surgical Oncology	2023	0748-7983	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167447272&doi=10.1016%2fj.ejso.2023.107001&partnerID=40&md5=6b463eaed769c931c66382ad51bd4c5e
Malignant Minor Salivary gland neoplasms of Larynx: Our Experience	Joshi P., Department of Head and Neck Surgery, Advanced Centre for Treatment, Research and Education in Cancer	Medical and Health Scien	Otolaryngologia Polska	2023	0030-6657	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174838913&doi=10.5604%2f01.3001.0053.4040&partnerID=40&md5=c7cb8310348636af4be34173b68bf1d8
Elevated translationally controlled tumour protein promotes oral cancer progression and poor outcome	Sharma D., Teni Lab, Advanced Centre for Treatment, Research and Education in Cancer (ACTREC), Tata Memorial C	Life Sciences	Journal of Oral Pathology and Medicine	2023	0904-2512	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167696184&doi=10.1111%2fjop.13467&partnerID=40&md5=145a6aeab902d9b9a613f9ee2a104e55
Results of Swallowing Assessment in the Immediate Postoperative Period in Patients Following Surgery for Thyroid Malignancies	Tm R., MASLP Speech and Swallowing Therapist Division. of Head & Neck Oncology, Tata Memorial Hospital, Mumb	Medical and Health Scien	Indian Journal of Otolaryngology and Head a	2023	2231-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149241575&doi=10.1007%2fs12070-023-03608-5&partnerID=40&md5=02204eef0120f7d6cb682394891ab88a
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Impact of fluid and haemodynamic management in cytoreductive surgery with hyperthermic intraperitoneal chemotherapy on postoperative outcomes	Solanki S.L., Department of Anaesthesiology, Critical Care and Pain, Tata Memorial Hospital, Homi Bhabha National	Medical and Health Scien	Indian Journal of Anaesthesia	2023	0019-5049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176806256&doi=10.4103%2fija.ija_367_23&partnerID=40&md5=ce107c08b58952fab18bfc1f31311752
Using a Nominal Group Technique to Develop a Science Communication Curriculum for Health Professionals and Clinical Researchers	Giuliani M.E., Princess Margaret Cancer Centre, University Health Network, Toronto, Canada; Papadakos T., Princes	Medical and Health Scien	Journal of Cancer Education	2023	0885-8195	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150222944&doi=10.1007%2fs13187-023-02282-z&partnerID=40&md5=d2105806f04917dd5feeabe9c55b5329
Surgical templates for inguinal lymph node dissection in cN0 penile cancer: A comparative study	Bakshi G.K., Department of Surgical Oncology, Tata Memorial Centre, Homi Bhabha National Institute, Maharashtra	Medical and Health Scien	Urologic Oncology: Seminars and Original In	2023	1078-1439	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166206109&doi=10.1016%2fj.urolonc.2023.06.014&partnerID=40&md5=5437824104c52e9b6684c1b9daaee673
Clear cell urothelial carcinoma of bladder: Case report of a rare and aggressive variant with review of literature	Sahetia K.M., Department of Pathology Tata Memorial Hospital, Maharashtra, Mumbai, India; Dave V.N., Departme	Medical and Health Scien	Indian Journal of Cancer	2023	0019-509X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183312470&doi=10.4103%2fijc.ijc_564_21&partnerID=40&md5=6bb1c33423c182fe9feba8b334a25300
Nasotracheal Intubation with a Flexible Bronchoscope using the 'Salgaonkar Technique'	Gangakhedkar G.R., Department of Anaesthesiology, Critical Care and Pain, Tata Memorial Hospital, Homi Bhabha N	Medical and Health Scien	Medical Journal of Dr. D.Y. Patil Vidyapeeth	2023	2589-8302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176467337&doi=10.4103%2fmjdrdypu.mjdrdypu_785_22&partnerID=40&md5=7767e8796b406abc34baad4637f94615
Treating relapsed B cell-precursor ALL in children with a setting-adapted mitoxantrone-based intensive chemotherapy protocol (TMH rALL-18 PROTOCO	Roy Moulik N., Pediatric Oncology, Tata Memorial Hospital, HBNI, Mumbai, India; Keerthivasagam S., Pediatric Onc	Medical and Health Scien	Annals of Hematology	2023	0939-5555	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165280587&doi=10.1007%2fs00277-023-05351-x&partnerID=40&md5=f9d1edb168ff9a65c8316b4475309490
Reporting Trends, Practices, and Resource Utilization in Neuroendocrine Tumors of the Prostate Gland: A Survey among Thirty-Nine Genitourinary Patho	Mohanty S.K., Department of Pathology and Laboratory Medicine, Advanced Medical Research Institute, Bhubanes	Medical and Health Scien	International Journal of Surgical Pathology	2023	1066-8969	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135847172&doi=10.1177%2f10668969221116629&partnerID=40&md5=579037e6fcaa4a6f552b61c3cf88d901
Para testicular cellular angiofibroma (AF)/ angiomyofibroblastoma (AMF)-like tumor: A case report of a rare diagnosis in an elderly male	Dave V.N., Departments of Pathology Tata Memorial Hospital, Maharashtra, Mumbai, India; Sahetia K.M., Departm	Medical and Health Scien	Indian Journal of Cancer	2023	0019-509X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183312191&doi=10.4103%2fijc.IJC_249_21&partnerID=40&md5=95726ddd00d6d0b96696b0d61a49909b
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ΔNp63 overexpression promotes oral cancer cell migration through hyperactivated Activin A signaling	Mundhe D., Teni Laboratory, Advanced Centre for Treatment, Research and Education in Cancer (ACTREC), Tata Me	Life Sciences	Experimental Cell Research	2023	0014-4827	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170438637&doi=10.1016%2fj.yexcr.2023.113739&partnerID=40&md5=f49bc07d7bfc08783e1166e06ccebd14
Safety of free fibula flap harvest in IIIA and IIIB tibio-peroneal trunk variations	Kumar V., Department of Plastic and Reconstructive Surgery, Tata Memorial Hospital, Homi Bhabha National Institu	Engineering Sciences; Me	Journal of Plastic, Reconstructive and Aesthe	2023	1748-6815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166622594&doi=10.1016%2fj.bjps.2023.07.012&partnerID=40&md5=e90bc7558942ce132e459c1783fd96f1
Barriers in quest for cancer care access in two states of northeast India	Kuru D., School of Health Systems Studies, Tata Institute of Social Sciences, Maharashtra, Mumbai, India; Kumar K A	Medical and Health Scien	International Journal of Health Planning and	2023	0749-6753	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161387798&doi=10.1002%2fhpm.3667&partnerID=40&md5=5130c3d54a199c40eb8735752cc93b61
Conventional versus liquid-based cytology: 'Man versus machine'	Pathuthara S., Department of Cytopathology, Tata Memorial Hospital, Tata Memorial Centre, Homi Bhabha Nationa	Medical and Health Scien	Journal of Cytology	2023	0970-9371	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176407900&doi=10.4103%2fjoc.joc_54_23&partnerID=40&md5=4b125dfc5246efce9cfc90ff785d02e7
Outcomes of Patients With Colorectal Liver Metastasis in the Developing World: Is Liver Transplantation for Unresectable Liver Metastasis, the Next Log	Janesh M., Department of Surgical Oncology, Tata Memorial Hospital, Mumbai, 400012, India, Homi Bhabha Nation	Medical and Health Scien	Journal of Clinical and Experimental Hepatol	2023	0973-6883	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153614339&doi=10.1016%2fj.jceh.2023.03.009&partnerID=40&md5=a2767b74f35fe2c53cc73286d932931e
Secondary cytoreduction in platinum sensitive relapsed ovarian cancer: An individual patient level meta-analysis	Gulia S., Medical Oncology, Tata Memorial Centre, Maharashtra, Mumbai, India, Homi Bhabha National Institute, M	Medical and Health Scien	International Journal of Gynecological Cance	2023	1048-891X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168361206&doi=10.1136%2fijgc-2023-004342&partnerID=40&md5=2b45d72f29265c952b897edc1edf87b2
Understanding the Impact of Population and Cancer Type on Tumor Mutation Burden Scores: A Comprehensive Whole-Exome Study in Cancer Patients	Tanwar N.A., Bangalore, India; Malhotra R., Bangalore, India; Satheesh A.P., Bangalore, India; Khuntia S.P., Bangalo	Medical and Health Scien	JCO global oncology	2023	2687-8941	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179644580&doi=10.1200%2fGO.23.00047&partnerID=40&md5=fbaae8232a63008a2bdb00dd263c7621
Epithelial-to-mesenchymal transition status correlated with ultrastructural features, and TP53 mutation in patient-derived oral cancer cell lines	Navarange S.S., Waghmare Lab, Stem Cell Biology Group, Advanced Centre for Treatment Research and Education i	Life Sciences	Molecular Biology Reports	2023	0301-4851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168906117&doi=10.1007%2fs11033-023-08720-x&partnerID=40&md5=9ad719d555fe8cb99f377ccbf8062931
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Implications of use of different intraoperative ultrasound modalities during glioma surgery – A comparative study of factors affecting outcomes	Kumar M., Industrial Engineering & Operations Research, IIT Bombay, India; Moiyadi A., Department of Neurosurge	Medical and Health Scien	International Journal of Medical Informatics	2023	1386-5056	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165660497&doi=10.1016%2fj.ijmedinf.2023.105154&partnerID=40&md5=0fe6acd27fc0d1ad0a16c500f68a5f7f
Prosthetic Management of Flap-Related Complications Following Glossectomy in Locally Advanced Tongue Cancer	Jagtiani K., Department of Dental and Prosthetic Surgery, Tata Memorial Hospital, Parel, Mumbai, India; Bhatia P., D	Medical and Health Scien	Indian Journal of Plastic Surgery	2023	0970-0358	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172301349&doi=10.1055%2fs-0043-1772455&partnerID=40&md5=861f21917bb3245a1bf612f6c5687bcf
Head and neck cancer burden in India: an analysis from published data of 37 population-based cancer registries	Bagal S., Centre for Cancer Epidemiology (CCE), Advance Centre for Treatment, Research and Education in Cancer (A	Medical and Health Scien	ecancermedicalscience	2023	1754-6605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175304382&doi=10.3332%2fecancer.2023.1603&partnerID=40&md5=ca91ad20d5011816a0ebaa2296cd6b07
A single-arm, prospective study comparing translaryngeal ultrasonography with direct visualisation by flexible laryngoscopy for vocal cord assessment in	Shetmahajan M., Department of Anaesthesiology, Critical Care and Pain, Tata Memorial Centre, Homi Bhabha Nati	Medical and Health Scien	Indian Journal of Anaesthesia	2023	0019-5049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171454885&doi=10.4103%2fija.ija_316_23&partnerID=40&md5=9e4db60227a23246b9236dfe5966c9b2
Cardiac function in pediatric Ewing sarcoma during and after treatment: A longitudinal study	Mande R., Paediatric Oncology, Tata Memorial Hospital, Mumbai, India; Prasad M., Paediatric Oncology, Tata Mem	Medical and Health Scien	Pediatric Blood and Cancer	2023	1545-5009	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161420734&doi=10.1002%2fpbc.30475&partnerID=40&md5=a46545e34ac3b80039eb8fde04a481c3
Accuracy of Intraoperative Frozen Section Analysis of Lymph Nodes in Women Undergoing Axillary Sampling for Treatment of Breast Cancer: Single Insti	Nair N.S., Department of Surgical Oncology, Breast Services, Tata Memorial Hospital TMC, Maharashtra, Mumbai, In	Medical and Health Scien	Clinical Breast Cancer	2023	1526-8209	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166904596&doi=10.1016%2fj.clbc.2023.06.010&partnerID=40&md5=42a85507a63399d515b11c8d0f15bdbe
The "Weekday Effect"—Does It Impact Esophageal Cancer Surgery Outcomes?	Jiwnani S., Division of Thoracic Surgery, Department of Surgical Oncology, Tata Memorial Centre, Homi Bhabha Nat	Medical and Health Scien	Journal of Gastrointestinal Cancer	2023	1941-6628	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135791538&doi=10.1007%2fs12029-022-00855-7&partnerID=40&md5=70993b229478ab612baba88893b11838
Lessons learnt from 1300 consecutive gallbladder cancer surgeries: Evolving role of peri-operative chemotherapy in the treatment paradigm	Patkar S., Gastrointestinal and Hepato-pancreato-Biliary Service, Department of Surgical Oncology, Tata Memorial C	Medical and Health Scien	European Journal of Surgical Oncology	2023	0748-7983	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168333546&doi=10.1016%2fj.ejso.2023.107035&partnerID=40&md5=94dbdf86a73341d78c92354a1a187ff1
Practical Assessment and Management of Vulnerabilities in Older Patients Receiving Systemic Cancer Therapy: ASCO Guideline Update	Dale W., City of Hope National Medical Center, Duarte, CA, United States; Klepin H.D., Wake Forest Baptist Compre	Medical and Health Scien	Journal of Clinical Oncology	2023	0732-183X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170110852&doi=10.1200%2fJCO.23.00933&partnerID=40&md5=5420d2208c6191437c7c1b791dcd562b
Allocation of authorship and patient enrollment among global clinical trials in oncology	Rubagumya F., Division of Cancer Care and Epidemiology, Queen's University Cancer Research Institute, Kingston, C	Medical and Health Scien	Cancer	2023	0008-543X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164103270&doi=10.1002%2fcncr.34919&partnerID=40&md5=9aabff60fdf91a29143e339967fa7fd4
FLAG based v/s Standard 3 + 7 induction therapy in treatment naïve Acute Myeloid Leukemia: Time to think "beyond anthracyclines"	Shaikh M.R., Department of Hematology and Bone Marrow Transplant, Rajiv Gandhi Cancer Institute and Research	Medical and Health Scien	Leukemia Research	2023	0145-2126	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165273195&doi=10.1016%2fj.leukres.2023.107346&partnerID=40&md5=cb08bfedd60fd92557bc764fd1911e7f
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Utility of Single-Stage Nasolabial Flap Reconstruction for Oral Cavity Defects Following Surgery for Oral Cancers and Premalignant Lesions: A Clinical Aud	Teja K.B., Department of Head Neck Surgical Oncology, Tata Memorial Hospital (Affiliated to The Homi Bhabha Nati	Medical and Health Scien	Indian Journal of Surgical Oncology	2023	0975-7651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149046766&doi=10.1007%2fs13193-023-01724-w&partnerID=40&md5=3d72f13b2e9fc5c31ec3f29d60c3ce91
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Variations in Penile Cancer Management: Results From the Global Society of Rare Genitourinary Tumors Survey	Prakash G., Department of Uro-oncology, Tata Memorial Hospital, Homi Bhabha National Institute, Mumbai, India;	Medical and Health Scien	Clinical Genitourinary Cancer	2023	1558-7673	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152710622&doi=10.1016%2fj.clgc.2023.03.001&partnerID=40&md5=df1e0e72ec5290a30327fc826af8d129
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Outcomes of extended total mesorectal excision in patients with locally advanced rectal cancer	Saravanabavan S., Department of Surgical Oncology, Tata Memorial Hospital, Mumbai, India, Homi Bhabha Nationa	Medical and Health Sciences	Colorectal Disease	2023	1462-8910	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169040576&doi=10.1111%2fcodi.16606&partnerID=40&md5=74deae6983e169025d365637004a34f7
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Identification of the HLA-B*40:01:02:59 and -C*05:01:73 alleles in individuals from the northern regions of India	Rajak J., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumbai, I	Medical and Health Sciences	HLA	2023	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150992970&doi=10.1111%2fhla.15030&partnerID=40&md5=a50954834eab6d16ced3cc2bb5baa68a2
Effect of Peritoneal Infiltration of Local Anesthetic Before Surgery on Survival in Early Breast Cancer	Badwe R.A., Tata Memorial Centre, Homi Bhabha National Institute, Mumbai, India; Parmar V., Tata Memorial Cent	Life Sciences; Medical an	Journal of Clinical Oncology	2023	0732-183X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163687298&doi=10.1200%2fJCO.22.01966&partnerID=40&md5=0caef8ceeab669b8261ff4d6da9107b
Multivariate deep learning framework captures systemic immune features in lymph nodes predictive of triple negative breast cancer outcome in large-sca	Varghese G., Department of Bioinformatics, School of Life Sciences & Pharmaceuticals, Faculty of Life Sciences and Medi	Medical and Health Sciences	Medical Oncology	2023	1357-0560	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162443388&doi=10.1007%2fs12032-023-02062-4&partnerID=40&md5=d4b21c4d7
Exploring Texture Analysis to Optimize Bladder Preservation in Muscle Invasive Bladder Cancer	Mehta P., Department of Radiation Oncology, Tata Memorial Centre, Homi Bhabha National Institute, Mumbai, Ind	Medical and Health Sciences	Clinical Genitourinary Cancer	2023	1558-7673	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143833746&doi=10.1016%2fj.clgc.2022.11.010&partnerID=40&md5=d932d248a775fed2bf371e2324de28bc
FAPI PET Positivity in Fibrolamellar Hepatocellular Carcinoma	Suthar R.R., Department of Nuclear Medicine and Molecular Imaging, Tata Memorial Hospital, Homi Bhabha Nation	Medical and Health Sciences	Clinical Nuclear Medicine	2023	0363-9762	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161933210&doi=10.1097%2fRLU.0000000000004661&partnerID=40&md5=4b9a5b5a76a7ff11c063e102f6039f3c
Role of verbal autopsy in cancer registration: A mixed-methods study from the population-based cancer registry of Northern India	Khanna D., Department of Preventive Oncology, Mahamana Pandit Madan Mohan Malaviya Cancer Centre and Homi	Medical and Health Sciences	Tropical Medicine and International Health	2023	1360-2276	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164707865&doi=10.1111%2ftmi.13912&partnerID=40&md5=445ee2ec9c2c3cee92447359589754a9
Clinical Concept-Based Radiology Reports Classification Pipeline for Lung Carcinoma	Mithun S., Department of Radiation Oncology (Maastro), GROW School for Oncology and Reproduction, Maastricht	Medical and Health Sciences	Journal of Digital Imaging	2023	0897-1889	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148025292&doi=10.1007%2fs10278-023-00787-z&partnerID=40&md5=85cd1b6ec93ed8585e427ed25916b5ef
Global application of National Comprehensive Cancer Network resource-stratified guidelines for systemic treatment of colon cancer: a population-bases	Wilson B.E., Division of Cancer Care and Epidemiology, Queen's Cancer Research Institute and Department of Onco	Medical and Health Sciences	The Lancet Oncology	2023	1470-2045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160329862&doi=10.1016%2fS1470-2045%2823%2900183-3&partnerID=40&md5=a535386e79f6228e5ffba0b1c8ae867e
Triple Trouble: Disseminated Penicillosis in a Cancer patient with COVID-19	Kamalwar S., Department of General Medicine, Advanced Centre for Treatment, Research and Education in Cancer	Medical and Health Sciences	Indian Journal of Medical and Paediatric Onc	2023	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85170066558&doi=10.1055%2fs-0042-1750365&partnerID=40&md5=cc0c10ec39e59238ab4c581cfae71a81
Metabolic tumor parameters complement clinicopathological factors in prognosticating advanced stage Hodgkin Lymphoma	Mohite A., Department of Nuclear medicine and Molecular Imaging, Tata Memorial Centre, Maharashtra, Mumbai,	Medical and Health Sciences	Asia Oceania Journal of Nuclear Medicine an	2023	2322-5718	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160604104&doi=10.2203%2FAOJNMB.2023.69260.1482&partnerID=40&md5=ae48047acff5868b884c6f5277693276
Does Baska mask deserve its own niche among extraglottic airway devices? A prospective, single.arm study	Shah V., Department of Anaesthesia, NH-SRCC Children's Hospital, Maharashtra, Mumbai, India; Sharma K.S., Depa	Medical and Health Sciences	Indian Journal of Anaesthesia	2023	0019-5049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165951295&doi=10.4103%2fija.ija_997_21&partnerID=40&md5=b4beaa56f4516297a11053c9e963a52e
Development of biotissue training models for anastomotic suturing in pancreatic surgery	Karadza E., Department of General, Visceral and Transplantation Surgery at Heidelberg University Hospital, Heidelb	Medical and Health Sciences	HPB	2023	1365-182X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150363847&doi=10.1016%2fj.hpb.2023.02.002&partnerID=40&md5=16c161c6a0b8a0fdf8d1888ad00e6bcb3
Differential clinicopathological features, treatments and outcomes in patients with Exon 19 deletion and Exon 21 L858R EGFR mutation-positive advanc	Batra U., Department of Medical Oncology, Rajiv Gandhi Cancer Institute and Research Centre, Delhi, New Delhi, In	Medical and Health Sciences	BMJ Open Respiratory Research	2023	2052-4439	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166394443&doi=10.1136%2fbmjresp-2022-001497&partnerID=40&md5=3aa3d36ad48f1ef454a918b5ba9ec58e
Targeted molecular profiling of solid tumours-Indian tertiary cancer centre experience	Gurav M., Molecular Pathology laboratory, Department of Pathology, Tata Memorial Hospital, Homi Bhabha Nation	Medical and Health Sciences	Journal of Cancer Research and Clinical Onco	2023	0171-5216	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150244733&doi=10.1007%2fs00432-023-04693-3&partnerID=40&md5=cd72bb3376f25c389ac994c524cf6f10
Effect of hyperthermic intraperitoneal chemotherapy on survival and recurrence rates in advanced gastric cancer: a systematic review and meta-analysis	Patel M., Department of General Surgery, Queen's and King George's Hospital, Havering and Redbridge University H	Medical and Health Sciences	International journal of surgery and Lancet	2023	1743-9159	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168428167&doi=10.1097%2fJS9.0000000000004157&partnerID=40&md5=938ab2896e273c0b9afd1275c83ec8bf
A dosimetric comparison of 177Lutetium-DOTA-peptide receptor radionuclide therapy and intra-arterial peptide receptor radionuclide therapy in patients with live	Nadkarni A., Department of Nuclear Medicine Centre for Treatment, Research and Education in Cancer (ACTREC), Kharghar, Navi Mumbai, India	Medical and Health Sciences	Nuclear Medicine Communications	2023	0143-3636	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164242607&doi=10.1097%2fMNM.0000000000001736&partnerID=40&md5=7b75ef7a0f7ef4b7a7f7ed27e69
Brachytherapy for Organ and Function Preservation in Soft-Tissue Sarcomas in Adult and Paediatric Patients	Laskar S., Department of Radiation Oncology, Tata Memorial Centre (TMC), Mumbai, India, Homi Bhabha National I	Medical and Health Sciences	Clinical Oncology	2023	0936-6555	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162916790&doi=10.1016%2fj.clon.2023.06.005&partnerID=40&md5=68d3921d71e88472ed8ac58613910964
Pediatric Cancer Burden in Different Regions of India: Analysis of Published Data From 33 Population-Based Cancer Registries	Budukh A.M., Centre for Cancer Epidemiology (CCE), Tata Memorial Centre (TMC), Maharashtra, Navi Mumbai, Indi	Medical and Health Sciences	Indian Pediatrics	2023	0019-6061	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164268906&doi=10.1007%2fs13312-023-2931-0&partnerID=40&md5=53688f09d9d4851d57e0c97862d0b0ed61
The RAPIDO trial—Reduction in disease-related treatment failure does not translate into improved overall survival: a mystery solved!	Ballal D., Division of Colo-Rectal and Peritoneal Surface Oncology, Department of Surgical Oncology, Tata Memor	Medical and Health Sciences	Colorectal Disease	2023	1462-8910	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85163592984&doi=10.1111%2fcodi.16662&partnerID=40&md5=da26aeb9e3f83ed6e00a0c66118fcdb03
Heat induced processing of cellblocks with significant reduction in overall turn around time	Dhende S., Department of Cytopathology, Tata Memorial Hospital, Tata Memorial Centre, Homi Bhabha National In	Medical and Health Sciences	Journal of Cytology	2023	0970-9371	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85171474060&doi=10.4103%2fjoc.joc_34_23&partnerID=40&md5=8ea4bc7c2da716e09df2aad0a5669513
Pearls & Oy-sters: Primary Diffuse Leptomeningeal Melanocytosis: A Diagnostic Conundrum	Selvarajan J.M.P., Departments of Radiation Oncology, India, Tata Memorial Hospital (TMH, Advanced Centre for Tr	Medical and Health Sciences	Neurology	2023	0028-3878	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85166701506&doi=10.1212%2fWNL.0000000000207195&partnerID=40&md5=218e1fbe66a191e45314d38fe65d40f
Prophylactic versus reactive feeding approach in patients undergoing adjuvant radiation therapy for oral cavity squamous cell carcinoma: A propensity	Ghosh Laskar S., Department of Radiation Oncology, Tata Memorial Centre, Homi Bhabha National Institute, Mumbai	Medical and Health Sciences	Head and Neck	2023	1097-0347	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150646750&doi=10.1002%2fhed.27336&partnerID=40&md5=aaa22414bfc667a44bcc6c721ce21d2
Recurrent IDH2 Mutations in Salivary Gland Striated Duct Adenoma Define an Expanded Histologic Spectrum Distinct From Canalicular Adenoma	Rooper L.M., Department of Pathology, The Johns Hopkins University School of Medicine, Baltimore, MD, United St	Medical and Health Sciences	American Journal of Surgical Pathology	2023	0147-5185	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147704009&doi=10.1097%2fPAS.0000000000002004&partnerID=40&md5=4ea645369e251536
Imaging Recommendations for Diagnosis, Staging, and Management of Hereditary Malignancies	Majithia J., Department of Radiodiagnosis, Tata Memorial Hospital, Maharashtra, Mumbai, India; Mahajan A., Depa	Life Sciences; Medical an	Indian Journal of Medical and Paediatric Onc	2023	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160430837&doi=10.1055%2fs-0042-1760325&partnerID=40&md5=7fd86a49c9df447e04b817d3f5786c7d
Results of Phase III Randomized Trial for Use of Docetaxel as a Radiosensitizer in Patients with Head and Neck Cancer, Unsuitable for Cisplatin-Based Ch	Patil V.M., Department of Medical Oncology, Tata Memorial Hospital, Homi Bhabha National Institute (HBNI), Mum	Medical and Health Sciences	Journal of Clinical Oncology	2023	0732-183X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152158567&doi=10.1200%2fJCO.22.00980&partnerID=40&md5=a9f1567ade70ff02c14388b3b814ad77
Serum Raman spectroscopy: Prognostic applications in oral cancers	Saha P., Tata Memorial Centre, Advanced Centre for Treatment, Education and Research in Cancer, Maharashtra, N	Life Sciences	Head and Neck	2023	1043-3074	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150741349&doi=10.1002%2fhed.27338&partnerID=40&md5=b61d80a9f95f00cfabb2d0ce840d06ed
Outcomes of relapsed/refractory extracranial germ cell tumors treated on conventional salvage chemotherapy without stem cell rescue: Experience from	Ramanathan S., Department of Paediatric Oncology, Great North Children's Hospital, Royal Victoria Infirmary, Tyne	Medical and Health Sciences	Pediatric Blood and Cancer	2023	1545-5009	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146344817&doi=10.1002%2fpbc.30179&partnerID=40&md5=3781dfb6c02cfba5afaa9dd3de118c
Sigmoid dose accumulation and reporting for multifractionated brachytherapy for cervical cancer: Methodological development of sigmoid points throu	Bindal A., Department of Radiation Oncology and Medical Physics, Tata Memorial Hospital, Tata Memorial Centre,	Medical and Health Sciences	Brachytherapy	2023	1538-4721	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85149293945&doi=10.1016%2fj.brachy.2023.01.003&partnerID=40&md5=960fcc6a24dd4dddb2350833f2dbe3e932
Oncologic Liver Resections in a Geriatric Population: Peri-operative, Long-Term and Quality-of-Life Outcomes—Experience from a High-Volume Centre	Bhayar S.S., Department of Surgical Oncology, GI and Hepatobiliary Surgery, Tata Memorial Centre, Tata Memorial	Life Sciences; Medical an	Indian Journal of Surgery	2023	0972-2823	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165095792&doi=10.1007%2fs12262-023-03835-9&partnerID=40&md5=27e3fe6aa0ed2f7d4d0a2874fed6d161f2
Early endometrial carcinoma: Experience and outcomes	Goel P., Department of Departments of Surgical Oncology, Radiation Oncology, Medical Oncology and Pathology, H	Medical and Health Sciences	Journal of Cancer Research and Therapeutic	2023	0973-1482	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151908948&doi=10.4103%2fjcrt.jcrt_920_21&partnerID=40&md5=f582bf87a4b102f04143c5488a324b0d
Challenges in oncology career: are we closing the gender gap? Results of the new ESMO Women for Oncology Committee survey	Linardou H., 4th Oncology Department & Comprehensive Clinical Trials Centre, Metropolitan Hospital, Athens, Gre	Medical and Health Sciences	ESMO Open	2023	2059-7029	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148696884&doi=10.1016%2fj.esmoop.2023.100781&partnerID=40&md5=8388ef38567189c426bbbc2d6ddda8c25
Utilising alternative cystoscopic schedules to minimise cost and patient burden after trimodality therapy for muscle-invasive bladder cancer	Krishnatry R., Department of Radiation Oncology, Tata Memorial Centre and Advanced Centre for Treatment, Resea	Medical and Health Sciences	Cancer Medicine	2023	2045-7634	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85150817416&doi=10.1002%2fcam4.5840&partnerID=40&md5=15041c56e57966a8f4b86fc689a1503
Identification of the novel HLA-DQA1*01:01:01:11 and -DQA1*01:03:01:13 alleles in individuals from India	D'Silva S.Z., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumb	Medical and Health Sciences	HLA	2023	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142415177&doi=10.1111%2fhla.14888&partnerID=40&md5=e2ff729833726119fb6a2d465c3d51339b
Metronomic Chemotherapy for Burkitt Lymphoma in a Patient With HIV: Case Report	Dwivedi P., Department of Pediatric Oncology, National Cancer Institute, Nagpur, India; Kapse A., Department of Pe	Medical and Health Sciences	Journal of Pediatric Hematology/Oncology	2023	1077-4114	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148273846&doi=10.1097%2fMPH.0000000000002147&partnerID=40&md5=1d5eecb55e2db46355f9c8a7bfd53d44
Metronomic adjuvant chemotherapy evaluation in locally advanced head and neck cancers post radical chemoradiation – a randomised trial	Patil V., Department of Medical Oncology, Tata Memorial Centre, HBNI, Mumbai, India; Noronha V., Department of	Medical and Health Sciences	The Lancet Regional Health - Southeast Asia	2023	2772-3682	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153619884&doi=10.1016%2fj.lansea.2023.100162&partnerID=40&md5=9c4b139cf914c6b75a4ef93989d29c0b
Overall survival of prostate cancer from Sangrur and Mansa cancer registries of Punjab state, India	Budukh A., Centre for Cancer Epidemiology, Tata Memorial Centre, Homi Bhabha National Institute, India; Thakur J.	Medical and Health Sciences	Indian Journal of Urology	2023	0970-1591	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161310998&doi=10.4103%2fiju.iju_38_23&partnerID=40&md5=7f6ed53c9e24efffaf32323a14f904c15
Imaging Recommendations for Positron Emission Tomography (PET) in Oncology	Chaturvedi A.K., Department of Radiology, Rajiv Gandhi Cancer Institute, New Delhi, India; Mahajan A., Department	Medical and Health Sciences	Indian Journal of Medical and Paediatric Onc	2023	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160435186&doi=10.1055%2fs-0042-1760308&partnerID=40&md5=154e72d42ead92f97d18a357c32500d
Role of Education and Income on Disparities of Time-to-Treatment Initiation and its Impact on Cervical Cancer Survival	Sivaranjini K., Division of HBCR and POCSS, Centre for Cancer Epidemiology, Tata Memorial Centre, Homi Bhabha N	Medical and Health Sciences	Indian Journal of Public Health	2023	0019-557X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160506655&doi=10.4103%2fijph.ijph_1299_22&partnerID=40&md5=29af61db727efe26d9cb95e0c19d751c
The burden of peri-operative work at night as perceived by anaesthesiologists: An international survey	Cortegiani A., Department of Surgical, Oncological and Oral Science (Di.Chir.On.S.), University of Palermo, Italy, Deg	Medical and Health Sciences	European Journal of Anaesthesiology	2023	0265-0215	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151688618&doi=10.1097%2fEJA.0000000000001791&partnerID=40&md5=b88d912e01f0bc42f6f135960983931
Can 18F-FDG-Positron Emission Tomography be a Prognostic Tool in Children With Rhabdomyosarcoma Treated With Definitive Radiotherapy?	Cheriyalinkal Parambil B., Department of Pediatric Oncology, Homi Bhabha National Institute, Mumbai, India; Shah	Medical and Health Sciences	Journal of Pediatric Hematology/Oncology	2023	1077-4114	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85151042790&doi=10.1097%2fMPH.0000000000002565&partnerID=40&md5=3555f737f6096ad2bb25668b4b9fc6bf

Oncological safety and feasibility of posterior marginal mandibulectomy vis-A-vis anterior marginal mandibulectomy in oral cancers	Nair S., Advanced Centre for Treatment Research and Education in Cancer (ACTREC), Tata Memorial Centre, The Ho	Medical and Health Scien	South Asian Journal of Cancer	2023	2278-330X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85195163877&doi=10.1055%2fs-0044-1787291&partnerID=40&md5=cfdb56d9e9f9cebe7a20c66430675e59
Role of computed tomography in the evaluation of regional metastasis in well-differentiated thyroid cancer	Vaish R., Head and Neck Services, Tata Memorial Hospital, Homi Bhabha National Institute, Mumbai, India; Mahajan	Medical and Health Scien	Frontiers in Radiology	2023	2673-8740	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183634811&doi=10.3389%2fradi.2023.1243000&partnerID=40&md5=8dc4ee81376225cb47f34390b6215843
Targeted nano-delivery of chemotherapy via intranasal route suppresses in vivo glioblastoma growth and prolongs survival in the intracranial mouse mo	Sandbhor P., Department of Biosciences and Bioengineering, Indian Institute of Technology, Mumbai, Bombay, Pow	Life Sciences; Medical an	Drug Delivery and Translational Research	2023	2190-393X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140064648&doi=10.1007%2fs13346-021-01202-8&partnerID=40&md5=236d0b79e2e23b20ea13b4b050b35e37
Clinicopathologic Risk Factors in Head and Neck Cancer: A Randomized Study	Patil V., Department of Medical Oncology, Tata Memorial Centre, Mumbai, India; Mahajan A., Department of Radio	Medical and Health Scien	Journal of Clinical Oncology	2023	0732-183X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85145668388&doi=10.1200%2fJCO.22.01015&partnerID=40&md5=a9a8fcad09502ee31543014fbd95da87
Diagnostic performance of F-18 FDG PET/CT in recurrent adenocarcinoma gallbladder and its impact on post-recurrence management	Bedmutha A.S., Department of Nuclear Medicine and Molecular Imaging, Tata Memorial Hospital, Homi Bhabha Na	Medical and Health Scien	Japanese Journal of Radiology	2023	1867-1071	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85138227978&doi=10.1007%2fs11604-022-01340-8&partnerID=40&md5=4613e21a9aa8024342d7dee2725207943
Response assessment of post-treatment head and neck cancers to determine further management using NI-RADS (Neck Imaging Reporting and Data Sys	Mahajan A., Department of Radiodiagnosis, The Clatterbridge Cancer Centre, University of Liverpool, Liverpool, Uni	Medical and Health Scien	Frontiers in Oncology	2023	2234-943X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173980959&doi=10.3389%2fonc.2023.1200366&partnerID=40&md5=a5b2981d5fda53deeb0868dc3edee3dc
Impact of age at vaccination and cervical HPV infection status on binding and neutralizing antibody titers at 10 years after receiving single or higher dose	Bhatla N., Department of Obstetrics & Gynaecology, All India Institute of Medical Sciences, New Delhi, India; Muwo	Medical and Health Scien	Human Vaccines and Immunotherapeutics	2023	2164-5515	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179639120&doi=10.1080%2f21645515.2023.2289242&partnerID=40&md5=9ef36d0b4c69ff8f44c4010bfc9b083d
Identification of the novel HLA-A*24:02:01:136 allele in a Northern Indian individual from a Muslim family	Tambe M., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumba	Medical and Health Scien	HLA	2023	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142902610&doi=10.1111%2ftan.14829&partnerID=40&md5=0e24283211011ff3188fd5b6a2ce2f67
Impact of Revised Margin Negative Guidelines in Breast Cancer on Survival: Single Institution Audit	Nair N., Department of Surgical Oncology, Tata Memorial Centre and Homi Bhabha National Institute, Mumbai, Ind	Medical and Health Scien	Indian Journal of Surgery	2023	0972-2068	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177421546&doi=10.1007%2fs12262-023-03982-y&partnerID=40&md5=da29edfc64527eb7f55666a18f889d	
Evaluation of immune response to single dose of quadrivalent HPV vaccine at 10-year post-vaccination	Joshi S., Jehangir Clinical Development Centre, Jehangir Hospital Premises, Pune, 411 001, India; Anantharaman D.,	Medical and Health Scien	Vaccine	2023	0264-410X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143497984&doi=10.1016%2j.vaccine.2022.11.044&partnerID=40&md5=acfe58efdb428abc48a49c6d71dd640e
Exclusive use of different types of tobacco products, exposure to secondhand tobacco smoke and risk of subtypes of head and neck cancer among India	Pallavi D., Division of Molecular Epidemiology and Population Genetics, Centre for Cancer Epidemiology, Tata Mem	Medical and Health Scien	International Journal of Cancer	2023	0020-7136	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177660255&doi=10.1002%2ijc.34298&partnerID=40&md5=2ab881cd3ce9fe0f2a
Simultaneous resection of synchronous colorectal liver metastasis: Feasibility and development of a prediction model	Kazi M., Division of Gastrointestinal and Hepatopancreaticobiliary Surgery, Department of Surgical Oncology, Tata M	Medical and Health Scien	Annals of Hepato-Biliary-Pancreatic Surgery	2023	2508-5778	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85148659935&doi=10.14701%2fahbps.22-043&partnerID=40&md5=deedbb54cf1a2686817fee59abf73512
An Analysis of Eosinophil- and Basophil-based Indices in Patients with Glioblastoma and their Correlation with Survival	Madhugiri V.S., Department of Neurosurgery, National Institute of Mental Health and Neuro Sciences (NIMHANS),	Medical and Health Scien	World Neurosurgery	2023	1878-8750	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143518572&doi=10.1016%2j.wneu.2022.11.008&partnerID=40&md5=c8bf71828d3dd85ce142a936b8c0d80c
Assessing the Agreement Between Preoperative Fine-Needle Aspiration Cytology (FNAC) Done for Major Salivary Gland Neoplasm When Reported by H	Jain S., Department of Head & Neck Surgical Oncology, Tata Memorial Hospital, Homi Bhabha National Institute (HB	Medical and Health Scien	Indian Journal of Surgical Oncology	2023	0975-7651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85136493173&doi=10.1007%2fs13193-022-01624-5&partnerID=40&md5=9e7dcc00584ad91b245a40f86196a832f
Real-world outcomes of diffuse large B-cell lymphoma in the biosimilar era	Nair R., Department of Clinical Haematology, Tata Medical Centre, West Bengal, Kolkata, India; Bhat G.M., Depart	Medical and Health Scien	Frontiers in Oncology	2023	2234-943X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174566037&doi=10.3389%2fonc.2023.1248723&partnerID=40&md5=c080c1e9cc97bb4646680e4e7c09541c
Characterization of the novel HLA-B*58:01:01:19 allele by next-generation sequencing	Tambe M., Transplant Immunology and Immunogenetics laboratory, CCE, Advanced Centre for Treatment, Research	Medical and Health Scien	HLA	2023	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141394978&doi=10.1111%2ftan.14850&partnerID=40&md5=3911b25c034c1cb65d7beee4d868950fd	
Identification of the novel HLA-C*07:02:01:184 allele in an Indian individual from a Kshatriya family	Tambe M., Transplant Immunology and Immunogenetics Laboratory, CCE, Advanced Centre for Treatment, Research	Medical and Health Scien	HLA	2023	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141440211&doi=10.1111%2ftan.14865&partnerID=40&md5=fd0aa33c227394884613d8d921ebbac	
Heterogeneous treatment effects of dexamethasone 12 mg versus 6 mg in patients with COVID-19 and severe hypoxaemia—Post hoc exploratory analy	Granholm A., Department of Intensive Care, Rigshospitalet—Copenhagen University Hospital, Copenhagen, Denma	Medical and Health Scien	Acta Anaesthesiologica Scandinavica	2023	0001-5172	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141525212&doi=10.1111%2faas.14167&partnerID=40&md5=a25290f7cd62ed4ebda0a6edad323147
Exploring the implications of modified advanced lung cancer inflammation index on outcomes in patients with advanced non-small cell lung cancer	Mahajan A., Clatterbridge Centre for Oncology NHS Foundation Trust, Liverpool, L7 8YA, United Kingdom; Goyal D.,	Medical and Health Scien	Exploration of Targeted Anti-tumor Therapy	2023	2692-3114	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85184909162&doi=10.37349%2fetat.2023.00172&partnerID=40&md5=6fdec5fd1fa3fa3e19fd2452912dffab
Multimodal Management of Testicular Mesothelioma - A Retrospective Analysis From a Tertiary Cancer Care Centre	Rathinasamy N., Department of Oncology, PSG Institute of Medical Science and Research, Tamil Nadu, Coimbatore,	Medical and Health Scien	Clinical Genitourinary Cancer	2023	1558-7673	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139381514&doi=10.1016%2fj.clgc.2022.09.001&partnerID=40&md5=14d0dbb88113cbe517113a556b110ed0
Identification of the novel HLA allele, HLA-A*11:01:01:86, in an individual from north India	Tambe M., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumba	Medical and Health Scien	HLA	2023	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85142875110&doi=10.1111%2ftan.14842&partnerID=40&md5=ea8bc93c6ad9bd325aa1601d2ddefdb5
TFL perforator flap - complementing and completing the ALT-AMT flap axis	Jaiswal D., Department of Plastic Reconstructive Surgery, Tata Memorial hospital and Homi Bhabha National Insti	Medical and Health Scien	Archives of Plastic Surgery	2023	2234-6163	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85192740245&doi=10.5055%2fa-2319-1564&partnerID=40&md5=543c125ec6f23bd11902ab6b270e2a4e
Identification of the novel HLA-DQA1*01:01:01:10 allele in an individual from Orissa, India	Pinto A.S., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumba	Medical and Health Scien	HLA	2023	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140081912&doi=10.1111%2ftan.14836&partnerID=40&md5=06fd8a3d0cb84615b750fad415ee8ff8	
Pan-Asian adapted ESMO Clinical Practice Guidelines for the diagnosis, treatment and follow-up of patients with endometrial cancer	Kopparapu R., Department of Medical Oncology, Lilavati Hospital and Research Centre, Mumbai, India; Department o	Life Sciences; Medical an	ESMO Open	2023	2059-7029	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146617276&doi=10.1016%2fj.esmoop.2022.100774&partnerID=40&md5=1644770cc5fafe04ea5dff5408 7dbdec2cd1
The Curing Coma Campaign*: Concerns in the Indian Subcontinent	Kapoor I., Department of Neuroanaesthesiology and Critical Care, AIIMS, New Delhi, India; Mahajan C., Department	Medical and Health Scien	Indian Journal of Critical Care Medicine	2023	0972-5229	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147589402&doi=10.5005%2fjp-journals-10071-24397&partnerID=40&md5=74e9e87bd5ddc462f2d7fec020b8b693
Prospective Study of Incidence and Impact of Comorbidities on Breast Cancer Survival from India	Wadasadawala T., Department of Radiation Oncology, Tata Memorial Center, Homi Bhabha National Institute, Mah	Life Sciences; Medical an	Asian Pacific Journal of Cancer Prevention	2023	1513-7368	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178492796&doi=10.31557%2APJCP.2023.24.11.3805&partnerID=40&md5=c16fece6167a02835e9e4115c5a83734
Sentinel lymph node biopsy in early oral cancers: are we ready for it yet? Results from a survey among Indian surgeons treating oral cancers	Malik A., Dept. of Head & Neck Surgical Oncology, Max Superspecality Hospital, Saket, New Delhi, India; Dhar H., D	Medical and Health Scien	Oral Surgery, Oral Medicine, Oral Pathology	2023	2212-4403	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85139735776&doi=10.1016%2fj.oooo.2022.06.001&partnerID=40&md5=623d225ceee7ac208e9e51e7a870aa65d
Heritable defects in telomere and mitotic function selectively predispose to sarcomas	Ballinger M.L., Garvan Institute of Medical Research, Sydney, 2010, Australia, St Vincent's Clinical School, University	Medical and Health Scien	Science	2023	0036-8075	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146853415&doi=10.1126%2fscience.abj4784&partnerID=40&md5=cdecc73875ff4eddcc741e7c576679e4
Identification of the novel HLA allele, HLA-B*37:01:01:19, in an individual from northern India	Tambe M., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumba	Medical and Health Scien	HLA	2023	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141217298&doi=10.1111%2ftan.14860&partnerID=40&md5=0255b9922951402adb4999b6e5c2bbe13
Splenectomy and Distal Pancreaticopanelectomy: Surgical Anatomy and Technique Specific to Advanced Ovarian Cancer	Poddar P., Department of Gynecological Oncology, Tata Memorial Hospital, Homi Bhabha National Institute, Dr Em	Medical and Health Scien	Indian Journal of Surgical Oncology	2023	0975-7651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112582921&doi=10.1007%2fs13193-021-01412-7&partnerID=40&md5=6be27b7d9a3b816642d63addb75f1f0
Pediatric cancer-associated thrombosis: Analysis from a tertiary care cancer center in India	Dhariwal N., Division of Pediatric Oncology, Department of Medical Oncology, Tata Memorial Hospital, Maharashtr	Medical and Health Scien	Pediatric Blood and Cancer	2023	1545-5009	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143404677&doi=10.1002%2fpbc.30096&partnerID=40&md5=69953b04cce6f1485ae013b30f6f6583
Bayesian Effective Biological Dose Determination in Immunotherapy Response Trial	Banerjee S., Department of Mathematics and Computing, Indian Institute of Technology-Dhanbad, Dhanbad, India;	Medical and Health Scien	Annals of Data Science	2023	2198-5804	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107809088&doi=10.1007%2fs40745-021-00335-y&partnerID=40&md5=2e94f6859cc600a40ef94a824af96934
The complementary role of MRI and FET PET in high grade gliomas to differentiate recurrence from radionecrosis	Sahu A., Department of Radiodiagnosis, Tata Memorial Hospital and Homi Bhabha National Institute, Mumbai, India;	Medical and Health Scien	Frontiers in Nuclear Medicine	2023	2673-8880	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85183666445&doi=10.3389%2fnume.2023.1040998&partnerID=40&md5=5465eea320c3040d37bf7fce69a4c60
Role of imaging in the management of thyroglossal duct cyst carcinomas (TGC-TIRADS): a single centre retrospective study over 16 years	Mahajan A., Department of Radiology, The Clatterbridge Cancer Centre, Liverpool, United Kingdom; Deokar S., Dep	Medical and Health Scien	Frontiers in Oncology	2023	2234-943X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85178899144&doi=10.3389%2fonc.2023.1201774&partnerID=40&md5=0488fa9dd19e58c04937103638 3fed	
The novel HLA-B*40:02:01:39 allele in an individual from a Kshatriya family in North India	Tambe M., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumba	Medical and Health Scien	HLA	2023	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141394976&doi=10.1111%2ftan.14849&partnerID=40&md5=577ac69a2750b7f84c1375c5d396a2a5	
Identification of the novel HLA-DPA1*01:03:01:64 allele in an individual from Uttar Pradesh, India	Pinto A.S., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumba	Medical and Health Scien	HLA	2023	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141182270&doi=10.1111%2ftan.14857&partnerID=40&md5=ce22bdd91f3083ad9c8c80abcf4c4ce4bf	
Raman Spectroscopy Revealed Cell Passage-Dependent Distinct Biochemical Alterations in Radiation-Resistant Breast Cancer Cells	Raunioyar S., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumba	Life Sciences; Medical an	ACS Omega	2023	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147624568&doi=10.1021%2acsomega.2c07268&partnerID=40&md5=2a7d4bd2f7d5e0ec7ed7d0f6208ed7d6	
Multinational prospective cohort study of rates and risk factors for ventilator-associated pneumonia over 24 years in 42 countries of Asia, Africa, Eastern	Rosenthal V.D., Department of Public Health Sciences, University of Miami, Miller School of Medicine, Miami, FL, U	Medical and Health Scien	Antimicrobial Stewardship and Healthcare E	2023	2732-494X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146171830&doi=10.1017%2fash.2022.339&partnerID=40&md5=1c266a3372a80c5de5a358f2a92e865f	
Phase II trial of a novel chemotherapy regimen CVEP (cyclophosphamide, vinblastine, etoposide and prednisolone) for acquired immunodeficiency synd	Sengar M., Department of Medical Oncology, Tata Memorial Centre, A Cl of Homi Bhabha National Institute, Mumb	Life Sciences; Medical an	British Journal of Haematology	2023	0007-1048	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141420664&doi=10.1111%2fbjh.18532&partnerID=40&md5=897c980ccb4801278e603d115e1bc8a4
MR imaging-based risk stratification scoring system to predict clinical outcomes in carotid body tumors	Mahajan A., Department of Imaging, The Clatterbridge Cancer Centre NHS Foundation Trust, Liverpool, United King	Medical and Health Scien	Frontiers in Oncology	2023	2234-943X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85184698826&doi=10.3389%2fonc.2023.1200598&partnerID=40&md5=298bc04d2dfcf486e3ef48b202cb895b	
Primary, Nonmidline, Extragonadal, Immature Teratoma of the Palm with Axillary Nodal Metastasis: A Rare Case Report and Review of Literature	Balachandran R.R., Department of Surgical Oncology, Tata Memorial Centre, Homi Bhabha National Institute, Maha	Medical and Health Scien	Indian Journal of Medical and Paediatric Onc	2023	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85177554170&doi=10.1055%2fs-0043-1776343&partnerID=40&md5=ef1dc067197343236d0ca34b6b47227a94
Low-Value Surgical Procedures in Low- and Middle-Income Countries A Systematic Scoping Review	Albarqouni L., Institute for Evidence-Based Healthcare, Faculty of Health Sciences and Medicine, Bond University, G	Medical and Health Scien	JAMA Network Open	2023	2574-3805	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176313267&doi=10.1001%2fjamanetworkopen.2023.42215&partnerID=40&md5=c76d4c2a223d38b4c80b8c4963fd4c5
Translation and validation of the revised American Pain Society Patient Outcome Questionnaire (APS-POQ-R) for evaluating the effectiveness of acute p	Jhingan M.A.K., Medical Training Fellow, Department of Anaesthetics, Critical Care and Pain, Luton and Du	Medical and Health Scien	Indian Journal of Anaesthesia	2023	0019-5049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85184205578&doi=10.4103%2fija.ija_474_22&partnerID=40&md5=2fa7b2224f1d6e6c21728c06aa14e7ee
Patient-Related Awareness of Impact of Cancer-Directed Therapy on Fertility in Young Women Diagnosed of Breast Cancer	Nair N.S., Department of Surgical Oncology, Tata Memorial Centre, Homi Bhabha National Hospital, Maharashtra, I	Engineering Sciences; Me	South Asian Journal of Cancer	2023	2278-330X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167815947&doi=10.1055%2fs-0043-1771385&partnerID=40&md5=5532ba71425eab177bc5488b14699ef0
Outcome and prognostic variables in childhood rhabdomyosarcoma (RMS) with emphasis on impact of FOXO1 fusions in non-metastatic RMS: experience	Ramanathan S., Department of Paediatric Oncology, Great North Children's Hospital, Royal Victoria Infirmary, New	Medical and Health Scien	ecancermedicalscience	2023	1754-6605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167119028&doi=10.3332%2fecancer.2023.1539&partnerID=40&md5=9e77ad21f46652265bb4bad088ca85bc3
Neoadjuvant chemotherapy in a rare type of very locally advanced sinonasal carcinomas – long-term results from a tertiary care centre	Saha S., Department of Medical Oncology, Tata Memorial Hospital, Homi Bhabha National Institute (HBNI), Mahara	Medical and Health Scien	ecancermedicalscience	2023	1754-6605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162139404&doi=10.3332%2fecancer.2023.1549&partnerID=40&md5=a2cf4369cd38d71e00dded bc236e915b2
Deep learning based automated epidermal growth factor receptor and anaplastic lymphoma kinase status prediction of brain metastasis in non-small ce	Mahajan A., Clatterbridge Centre for Oncology NHS Foundation Trust, Liverpool, L7 8YA, United Kingdom, Department	Medical and Health Scien	Exploration of Targeted Anti-tumor Therapy	2023	2692-3114	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173502013&doi=10.37349%2fetat.2023.00158&partnerID=40&md5=13325cb636b256a1d9af62acdc915349
Prevalence and factors associated with frailty among older Indian adults with cancer: A single-center cross-sectional analytical study from a geriatric onc	Rao A.R., Department of Geriatric Medicine, All India Institute of Medical Sciences, New Delhi, India; Noronha V., D	Life Sciences; Medical an	Cancer Research, Statistics, and Treatment	2023	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173685568&doi=10.4103%2fcrst.crst_241_23&partnerID=40&md5=6a6cadf7763096878b18413a7638c8c0
Identification of EGFR mutations in type II papillary renal cell carcinoma	Jha P., Karkinos Healthcare Pvt Ltd, Maharashtra, Navi Mumbai, India; Trivedi V., Karkinos Healthcare Pvt Ltd, Maha	Medical and Health Scien	Cancer Research, Statistics, and Treatment	2023	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173629224&doi=10.4103%2fcrst.crst_211_23&partnerID=40&md5=c117d72225d51189b0bae7affi6f85f5d
Psycho-oncology/Supportive Care in Head-Neck Cancers Patients Undergoing Radiation Therapy: A Randomized Controlled Trial	Sinha S., Department of Radiotherapy, Tata Memorial Centre, Homi Bhabha National Institute, Mumbai, India; Gupta	Medical and Health Scien	South Asian Journal of Cancer	2023	2278-330X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85174105076&doi=10.1055%2fs-0043-1771458&partnerID=40&md5=2b7c1c2c7c7f7f7f7f7f7f7f7f7f7f7f	
High-grade sarcoma of the hyoid bone: An unusual case illustrating the challenges faced by the pathologist to arrive at a diagnosis	Gupta A., Department of Head Neck Surgical Oncology, Homi Bhabha National Institute, Tata Memorial Hospital, M	Medical and Health Scien	Journal of Head and Neck Physicians and Su	2023	2347-8128	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164913966&doi=10.4103%2fjhnps.jhnps_84_22&partnerID=40&md5=6d63ab001f51dfc5031fb0ca15fe1741
Randomised controlled trials evaluating anticancer therapies in haematological cancers: an overview of global research activity	Sengar M., Tata Memorial Centre, Homi Bhabha National Institute, Mumbai, 400012, India; Hopman W.M., Depart	Medical and Health Scien	ecancermedicalscience	2023	1754-6605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162943951&doi=10.3332%2fecancer.2023.1558&partnerID=40&md5=36788fe65592afbfbd39a3c2ffdc9821
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Advanced Techniques in Head and Neck Cancer Imaging: Guide to Precision Cancer Management	Shah D., Senior Consultant Radiologist, Department of Radiodiagnosis, HCG Cancer Centre, Gujarat, Ahmedabad, 38	Medical and Health Scien	Critical Reviews in Oncogenesis	2023	0893-9675	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172312698&doi=10.1615%2fCritRevOncog.2023047799&partnerID=40&md5=fdcc276d1546cda6203ec5c300a5348a
Outcomes and prognostic factors of patients with Extranodal NK T cell lymphoma (ENKTL)	Rajendra A., Department of Medical Oncology, Cancer Institute, W.I.A, Tamil Nadu, Chennai, India; Sengar M., D	Medical and Health Scien	Leukemia and Lymphoma	2023	1042-8194	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168469167&doi=10.1080%2f10428194.2023.2244101&partnerID=40&md5=cbd8312bad8f5d43719a92921d22ddc40
Comparativetext tomography-based first order tumor texture features in non-small cell lung carcinoma treated with concurrent chemoradiation: A simplic	Nayak P., Departments of Radiation Oncology, Tata Memorial Centre, Mumbai, Maharashtra, Trombay, India, Bhaba	Medical and Health Scien	Journal of Cancer Research and Therapeutic	2023	0973-1482	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85161941425&doi=10.4103%2fjcrt.jcrt_2317_21&partnerID=40&md5=2a38305032fadcd1d8d05b6c0d38172
Deep proteome investigation of high-grade gliomas reveals heterogeneity driving differential metabolism of 5-aminolevulinic acid	Ghantasala S., Centre for Research in Nano Technology and Sciences, Indian Institute of Technology Bombay, Mumb	Medical and Health Scien	Neuro-Oncology Advances	2023	2632-2498	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164346194&doi=10.1093%2fnoajnl%2fvdad065&partnerID=40&md5=5696781b8f00711ce9bd677535590d52e7
Chameleon in the brain	Agarwal U., Department of Radiodiagnosis, Tata Memorial Hospital, Mumbai, Homi Bhabha National Institute, Mah	Medical and Health Scien	Cancer Research, Statistics, and Treatment	2023	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173672529&doi=10.4103%2fcrst.crst_274_22&partnerID=40&md5=1aad057c2680746c9ed6a0c18dd96113
A retrospective observational study to evaluate the reliability of staging and risk stratification of adolescent and adult patients with Hodgkin's lymphom	Singh A.K., Department of Medical Oncology, Tata Memorial Hospital, Homi Bhabha National Institute, Mumbai, Ind	Medical and Health Scien	Cancer Research, Statistics, and Treatment	2023	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160679698&doi=10.4103%2fcrst.crst_285_22&partnerID=40&md5=c1745f92bbd8e7c25de30d0d018387c8
Intraoperative Nerve Monitoring during Minimally Invasive Esophagectomy and 3-Field Lymphadenectomy: Safety, Efficacy, and Feasibility	Gopinath S.K., Thoracic Surgical Services, Department of Surgical Oncology, Tata Memorial Hospital, Homi Bhaba N	Medical and Health Scien	Journal of Chest Surgery	2023	2765-1606	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85172205680&doi=10.5090%2fjcs.23.052&partnerID=40&md5=e56b86ca554da90bc2a829b9d6d16696e
Mist nebulizer versus heated humidifier on endotracheal tube patency in spontaneously breathing intubated patients: A prospective, randomized contr	Patil V., Department of Anesthesia, Critical Care and Pain, Tata Memorial Hospital, Maharashtra, Mumbai, India; De	Medical and Health Scien	Journal of Anaesthesiology Clinical Pharmac	2023	0970-9185	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165754441&doi=10.4103%2fjacp.jacp_121_21&partnerID=40&md5=ba6aa8e74631005c7371208e557c46cc
Occupational exposure of vehicular emissions and cardiorespiratory risk among urban metropolitan bus drivers: A cross-sectional comparative study	Pagdhune A., Tata Memorial Centre (TMC), Advanced Centre for Treatment Research and Education in Cancer (ACT	Medical and Health Scien	Work	2023	1051-9815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85168222606&doi=10.3233%2fWOR-220198&partnerID=40&md5=a75ea6e410db28c5c49a5b11e438a331
A not-so-benign pleural mass: Rare case of solitary fibrous tumor of the pleura	Singh S., Department of Radiodiagnosis, Tata Memorial Centre, Mumbai, Homi Bhabha National Institute (HBNI), Mah	Medical and Health Scien	Cancer Research, Statistics, and Treatment	2023	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173685568&doi=10.4103%2fcrst.crst_178_22&partnerID=40&md5=31b9e1b8f7d5c7e6a1ebb0b1fbfa	
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Deep learning based clinico-radiological model for paediatric brain tumor detection and subtype prediction	Mahajan A., Clatterbridge Centre for Oncology NHS Foundation Trust, Liverpool, L7 8YA, United Kingdom; Burrow	Medical and Health Scien	Exploration of Targeted Anti-tumor Therapy	2023	2692-3114	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173472568&doi=10.37349%2fetat.2023.00159&partnerID=40&md5=9fc7c3ed67f30b4f3d1ae9d8115eebbee
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Rare kidney tumor	Agarwal U., Department of Radiodiagnosis and Interventional Radiology, Tata Memorial Hospital, Homi Bhabha Nat	Medical and Health Scien	Cancer Research, Statistics, and Treatment	2023	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85167981427&doi=10.4103%2fcrst.crst_275_22&partnerID=40&md5=d38c43c666e8893c9056d924af61e26f
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Multiparametric Magnetic Resonance Imaging Correlates of Isocitrate Dehydrogenase Mutation in WHO high-Grade Astrocytomas	Sahu A., Neuro-Oncology Disease Management Group, Tata Memorial Centre, Mumbai, 400012, India, Department	Medical and Health Scien	Journal of Personalized Medicine	2023	2075-4426	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85146643289&doi=10.3390%2fjpm13010072&partnerID=40&md5=f85ac44180a85c19f240ec004038ebb3
Can knowledge based treatment planning of VMAT for post-mastectomy locoregional radiotherapy involving internal mammary chain and supraclavicul	Phurailatpam R., Department of Radiation Oncology, Advanced Centre for Treatment, Research and Education in Ca	Medical and Health Scien	Frontiers in Oncology	2023	2234-943X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85158114994&doi=10.3389%2ffonc.2023.991952&partnerID=40&md5=c4fef39453e79fe3a2f89c397a44002b
Analysis of image quality by regulating beta function of BSREM reconstruction algorithm and comparison with conventional reconstructions in carcinom	Dwivedi P., Advanced Centre for Treatment Research & Education in Cancer, Tata Memorial Centre, Navi Mumbai, I	Medical and Health Scien	Nuclear Medicine Communications	2023	0143-3636	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144257537&doi=10.1097%2fMNM.0000000000001631&partnerID=40&md5=adaad55f3a95d083d0767d9a6b8e3a86
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SARS-CoV-2 severity classification from plasma sample using confocal Raman spectroscopy	Banerjee A., Department of Biosciences and Bioengineering, Indian Institute of Technology Bombay, Mumbai, India	Life Sciences	Journal of Raman Spectroscopy	2023	0377-0486	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141376201&doi=10.1002%2fjrs.6461&partnerID=40&md5=2128969fef545bdec1d14e1e2962727d
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Identification of the novel allele, HLA-C*06:02:38:02, in a Gujarati individual from India	D'Silva S.Z., Advanced Centre for Treatment, Research and Education in Cancer, Tata Memorial Centre, Navi Mumba	Medical and Health Scien	HLA	2023	2059-2302	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141984988&doi=10.1111%2ftan.14813&partnerID=40&md5=ac8df23086c70b60479373be694f3486
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Multimodality liver directed treatment for colorectal liver metastasis: Array of complementary options can improve outcomes - A single centre experien	Patkar S., GI and HPB Services, Department of Surgical Oncology, Tata Memorial Hospital, Homi Bhabha National In	Medical and Health Scien	Frontiers in Oncology	2023	2234-943X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85152590296&doi=10.3389%2ffonc.2023.1073311&partnerID=40&md5=c9a3da0d9e65557050914d0eb10fec58
Real-world analysis of the use of lenvatinib in differentiated thyroid cancers	Peelay Z., Department of Medical Oncology, Tata Memorial Hospital, HBNI, Parel, Mumbai, 400012, India; Parekh D	Medical and Health Scien	ecancermedicalscience	2023	1754-6605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85153052458&doi=10.3332%2fecancer.2023.1500&partnerID=40&md5=36321a1f50694e9c8ad557323b12b554
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A pro-oxidant combination of resveratrol and copper reduces chemotherapy-related non-haematological toxicities in advanced gastric cancer: results of	Ostwal V., Department of Medical Oncology, Tata Memorial Centre, Homi Bhabha National Institute, Mumbai, India	Life Sciences; Medical an	Medical Oncology	2023	1357-0560	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141715040&doi=10.1007%2fs12032-022-01862-1&partnerID=40&md5=03fb0cba60ae1b05ef8d307431bb4c60
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WNT-pathway medulloblastoma: what constitutes low-risk and how low can one go?	Mani S., Department of Radiation Oncology, ACTREC/TMH, Tata Memorial Centre, Homi Bhabha National Institute (	Medical and Health Scien	Oncotarget	2023	1949-2553	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85147720510&doi=10.18632%2foncotarget.28360&partnerID=40&md5=bd578c093ccc941686e3ff9b84a366b0
Shape evolution of sub-lead neutron-rich nuclei around the neutron shell closure	Kannan M.T.S., Variable Energy Cyclotron Centre, 1/AF Bidhannagar, Kolkata, 700064, India, Homi Bhabha National	Physical Sciences	European Physical Journal A	2023	1434-6001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85173611806&doi=10.1140%2fepja%2fs10050-023-01127-z&partnerID=40&md5=bb7369aacac1c57f6453de0b8633e63f
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Development and performance studies of a real size Resistive Plate Chamber tested at GIF＋＋, CERN for CBM-MuCh at FAIR, Germany	Ganai R., Department of Physics, University of Calcutta, 92, Acharya Prafulla Chandra Rd, West Bengal, Kolkata, Indi	Physical Sciences	Nuclear Instruments and Methods in Physics	2023	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85162950009&doi=10.1016%2fj.nima.2023.168384&partnerID=40&md5=52121e64cf891de9b50071d793708e09
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Paricle identification at VAMOS++ with machine learning techniques	Cho Y., Department of Physics and Astronomy, Seoul National University, Seoul, 08826, South Korea, Institute for N	Physical Sciences	Nuclear Instruments and Methods in Physics	2023	0168-583X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160016748&doi=10.1016%2fj.nimb.2023.05.053&partnerID=40&md5=01a874ddef36511659385643a2108fad
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Suppression of spin polarization as an indicator of QCD critical point	Singh S.K., Variable Energy Cyclotron Centre, 1/AF Bidhan Nagar, Kolkata, 700064, India, Homi Bhabha National Inst	Physical Sciences	European Physical Journal C	2023	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164318729&doi=10.1140%2fepjc%2fs10052-023-11776-5&partnerID=40&md5=160da75d28abad76e11a15cde4cbc243
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Silver ion beam formation and implantation on nano-pyramidal template for isolated nano-dot formation	Bhowmick S., Variable Energy Cyclotron Centre, 1/AF, Bidhan Nagar, Kolkata, 700064, India, Homi Bhabha National	Physical Sciences	Vacuum	2023	0042-207X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164224879&doi=10.1016%2fj.vacuum.2023.112348&partnerID=40&md5=f658b51732d9891d4f9c769507e1fb51
Frequency mixing property of electron cloud in a Penning trap at room temperature	Nandi J., Variable Energy Cyclotron Centre, 1/AF Bidhannagar, Kolkata, 700064, India, Homi Bhabha National Institu	Physical Sciences	Nuclear Instruments and Methods in Physics	2023	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85169557557&doi=10.1016%2fj.nima.2023.168647&partnerID=40&md5=218d46199ca215361a7163e65d21f63b
Theoretical calculation on adsorption of molecular hydrogen in monolayer ZnO	Ghosh S., Variable Energy Cyclotron Centre, 1/AF, Bidhannagar, Kolkata, 700064, India, Homi Bhabha National Instit	Physical Sciences	Journal of Applied Physics	2023	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85175197799&doi=10.1063%2f5.0156916&partnerID=40&md5=f1e03efbcc7d054dacb9ac72cd2c1b93
Sunburst quantum Ising model under interaction quench: Entanglement and role of initial state coherence	Mitra A., Variable Energy Cyclotron Centre, 1/AF Bidhannagar, Kolkata, 700064, India, Homi Bhabha National Institu	Physical Sciences	Physical Review E	2023	2470-0045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85176594522&doi=10.1103%2fPhysRevE.108.054114&partnerID=40&md5=91917c03436b268e45e487de7932571f
Self-Assembled p-n Homojunction in SnS2 Nanosheets for Electrocatalytic Hydrogen Evolution: The Role of Sulfur Defects	Nath M.P., Materials and Energy Laboratory, Physical Sciences Division, Institute of Advanced Study in Science and T	Physical Sciences	ACS Applied Nano Materials	2023	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85179791910&doi=10.1021%2facsanm.3c04241&partnerID=40&md5=bb1eae0b734de2122a277003a5e8d329
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Somatostatin Receptor Targeted PET-CT and Its Role in the Management and Theranostics of Gastroenteropancreatic Neuroendocrine Neoplasms	Adnan A., Radiation Medicine Centre, Bhabha Atomic Research Centre, Tata Memorial Centre Annexe, JerbaiWadia	Medical and Health Scien	Diagnostics	2023	2075-4418	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85164685914&doi=10.3390%2fdiagnostics13132154&partnerID=40&md5=5d53d5637f881631256bc8dd613e50d3
Functional nanostructures in analytical chemistry: new insights into the optical and electrochemical sensing of animal hormones in food, environmental	Raval J.B., Department of Chemistry, Sardar Vallabhbhai National Institute of Technology, Gujarat, Surat, 395007, In	Chemical Sciences	Sensors and Diagnostics	2023	2635-0998	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85165389714&doi=10.1039%2fd3sd00071k&partnerID=40&md5=0c241f9ac37e2bd7386d5644218b8e6d
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Perspectives of different colour-emissive nanomaterials in fluorescent ink, LEDs, cell imaging, and sensing of various analytes	Atulbhai S.V., Department of Chemistry, Sardar Vallabhbhai National Institute of Technology, Gujarat, Surat, India;	Chemical Sciences	Luminescence	2023	1522-7235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85130488992&doi=10.1002%2fbio.4272&partnerID=40&md5=546eea936087ed0affcf04e68eb63c5a
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Ekavimsati patrani (21 leaves) used during Vinayaka Chaviti festival in India: medicinal, environmental and cultural importance	Kora A.J., National Centre for Compositional Characterisation of Materials (NCCCM), Bhabha Atomic Research Centr	Life Sciences	Advances in Traditional Medicine	2023	2662-4052	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110859736&doi=10.1007%2fs13596-021-00597-0&partnerID=40&md5=79a05b52e352104299d23814f0fe5e8e
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Imaging Recommendations for Diagnosis, Staging, and Management of Carcinoma of Unknown Origin (Lymph Node, Pulmonary, Liver, Skeletal, and Brai	Loharkar S., Radiation Medicine Centre, Bhabha Atomic Research Centre, Tata Memorial Hospital Annexe, Parel, M	Medical and Health Scien	Indian Journal of Medical and Paediatric On	2023	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85159146507&doi=10.1055%2fs-0042-1760311&partnerID=40&md5=f857699646c4d04b186a83a5ff80ecb8
Imaging Recommendations for Theranostic PET-CT in Oncology	Parghane R.V., Radiation Medicine Centre, Bhabha Atomic Research Centre, Tata Memorial Hospital Annexe, Maha	Medical and Health Scien	Indian Journal of Medical and Paediatric On	2023	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85160436103&doi=10.1055%2fs-0042-1760310&partnerID=40&md5=caa28334a78160e62373cdba453af225
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