3.4.5.1: Number of research papers 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
Interface-driven static and dynamic magnetic properties of ultrathin Fe/Ge multilayers	Singh S., Bhatt H., Kumar Y., Prajapat C.L., Mishra A., Bed	Physical Sciences	Applied Surface Science	2021	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114747201&doi=10.1016%2fj.apsusc.2021.151193&partnerID=40&md5=83312715cd47e110c3a39ed9a7141910
A six-coordinate high-spin FeIVO species of cucurbit[5]uril: a highly potent catalyst for C-H hydroxylation of methane, if synthesised	Kumar R., Sundararajan M., Rajaraman G.	Chemical Sciences	Chemical Communications	2021	1359-7345	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121638032&doi=10.1039%2fd1cc06391j&partnerID=40&md5=f18c75626f6e6a3f1d5065bffc2e373c
Exploring the Thermodynamic Behavior and the Effect of Temperature and Electron Radiation on the Structure of Fluorapatite Compounds	Das P., Vats B.G., Samui P., Kesari S., Shafeeq M., Parida	Chemical Sciences	ChemistrySelect	2021	2365-6549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121735373&doi=10.1002%2fslct.202103990&partnerID=40&md5=7e3b496a598f917c27470836e0a9cf24
1T-VS2/MXene Hybrid as a Superior Electrode Material for Asymmetric Supercapacitors: Experimental and Theoretical Investigations	Sharma A., Mane P., Chakraborty B., Rout C.S.	Physical Sciences	ACS Applied Energy Materials	2021	2574-0962	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120895208&doi=10.1021%2facsaem.1c02959&partnerID=40&md5=75723c857e5af8210e61fe270de874c2
Design and deformation characteristics of single-phase Co-Cr-Fe-Ni-V high entropy alloy	Jain R., Rahul M.R., Chakraborty P., Sabat R.K., Samal S.,	Engineering Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112789455&doi=10.1016%2fj.jallcom.2021.161579&partnerID=40&md5=f6eab960083cf1c636b8841f05365f9a
Search for Long-Lived Particles Decaying in the CMS End Cap Muon Detectors in Proton-Proton Collisions at s =13 TeV	Tumasyan A., Adam W., Andrejkovic J.W., Bergauer T., C	Physical Sciences	Physical Review Letters	2021	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123372703&doi=10.1103%2fPhysRevLett.127.261804&partnerID=40&md5=ef2301eab5ee97486e5f9fba457405de
Up- And Down-Convertible LaF3:Yb,Er Nanocrystals with a Broad Emission Window from 350 nm to 2.8 µm: Implications for Lighting Applications	Pokhrel M., Gupta S.K., Perez A., Modak B., Modak P., Le	Chemical Sciences	ACS Applied Nano Materials	2021	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120859883&doi=10.1021%2facsanm.1c03023&partnerID=40&md5=c8169441559fa69e5b2c65aaddf23f14
Synergistic manifestation of band and scattering engineering in the single aliovalent Sb alloyed anharmonic SnTe alloy in concurrence with rule of parsimony	Basu R., Mandava S., Shenoy U.S., Bhat D.K., Khasimsah	Physical Sciences	Materials Advances	2021	2633-5409	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121461236&doi=10.1039%2fd1ma00749a&partnerID=40&md5=9029456588e21ef98db907d5219b948a
Understanding the unique paradigm in the extraction of tri- And tetravalent actinide/lanthanide ions by a diglycolamide-functionalized dendrimer in RTIL medium	Bhattacharyya A., Kanekar A.S., Mohapatra P.K., Leoncir	Chemical Sciences	New Journal of Chemistry	2021	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121044432&doi=10.1039%2fd1nj04814g&partnerID=40&md5=f8bdd1536de048ba8be2387ed2b414a4
Protocol for one-step selective lysis of red blood cells and platelets with long-term preservation of white blood cells (human) at ambient temperature	Chaurasia R.K., Shirsath K.B., Sapra B.K.	Physical Sciences	STAR Protocols	2021	2666-1667	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122815885&doi=10.1016%2fj.xpro.2021.100834&partnerID=40&md5=cb1139eada9b8233fa21291e7095915b
Ultrafast Hot Electron Transfer and Trap-State Mediated Charge Carrier Separation toward Enhanced Photocatalytic Activity in g-C3N4/ZnIn2S4 Heterostructure	Bhatt H., Goswami T., Yadav D.K., Ghorai N., Shukla A., K	Chemical Sciences	Journal of Physical Chemistry Letters	2021	1948-7185	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121025121&doi=10.1021%2facs.jpclett.1c03356&partnerID=40&md5=d2e8b252810f87bb95f81713ff2f9203
Composition Related Tunability of "Green" Core/Shell Quantum Dots for Photovoltaic Applications from First Principles	Jain K., Kishor S., Singh K.S., Odelius M., Ramaniah L.M.	Physical Sciences	Journal of Physical Chemistry C	2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120907028&doi=10.1021%2facs.jpcc.1c05230&partnerID=40&md5=fc6168dc4c81a883ea62f3cde51953ed
Making Yb2Hf2O7 Defect Fluorite Uncompressible by Particle Size Reduction	Srihari V., Verma A.K., Pandey K.K., Vishwanadh B., Panc	Physical Sciences	Journal of Physical Chemistry C	2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120845694&doi=10.1021%2facs.jpcc.1c08084&partnerID=40&md5=42fff5ce6550dc4178efc5e23e5bc6e8
Direct observation of Jahn-Teller critical dynamics at a charge-order Verwey transition	Pascotto Gastaldo V., Rao M.N., Bosak A., D'Astuto M., F	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121221735&doi=10.1103%2fPhysRevB.104.235114&partnerID=40&md5=c4c7467faaa306dbdf54d78125f899e1
Highly efficient and selective extraction of Pu(IV) using two alkyl-substituted amides of nitrilo triacetic acid from nitric acid solutions	Karak A., Mahanty B., Mohapatra P.K., J. M. Egberink R.,	Chemical Sciences	Separation and Purification Technology	2021	1383-5866	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116325211&doi=10.1016%2fj.seppur.2021.119584&partnerID=40&md5=2b2221d0a5ea2aa66b23a7e88e45e220
Dipicolinamide functionalized titania for highly efficient sorption of tetra and hexavalent actinide	Pahan S., Sengupta A., Musharaf Ali S., Debnath A.K., Ba	Chemical Sciences	Separation and Purification Technology	2021	1383-5866	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115952323&doi=10.1016%2fj.seppur.2021.119703&partnerID=40&md5=ef0e445d35deaf07f13d0c9ffd9cb2f0
High temperature creep behavior of a low alloy Mn-Mo-Ni reactor pressure vessel steel	Sarkar A., Sunil S., Kumawat B., Reddy G.B., Kapoor R., K	Engineering Sciences	Journal of Nuclear Materials	2021	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115035116&doi=10.1016%2fj.jnucmat.2021.153293&partnerID=40&md5=466a0bf841fd2cb8268a8c94354f501f
Development of computer code ADWITA and data library for the solution of transmutation chain equations and application to the analysis of nuclear fuel cycles	Raj D., Kannan U.	Physical Sciences	Annals of Nuclear Energy	2021	0306-4549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113162270&doi=10.1016%2fj.anucene.2021.108619&partnerID=40&md5=d4f8d54a0a931904bf8e0063aa90c049
Influence of proton irradiation on the microstructure and mechanical properties of Nb-1Zr-0.1C alloy	Dutta A., Sarkar A., Mukherjee P., Gayathri N., Dey S., Ne	Engineering Sciences	Journal of Nuclear Materials	2021	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111987852&doi=10.1016%2fj.jnucmat.2021.153221&partnerID=40&md5=b8814946fc05183b522d791fec06e485
Study on the effects of sonication on reactive precipitation of ammonium uranyl carbonate from pure uranyl nitrate solution	Paik S., Satpati S.K., Gupta S.K., Sahu M.L., Singh D.K.	Chemical Sciences	Journal of Nuclear Materials	2021	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111959963&doi=10.1016%2fj.jnucmat.2021.153222&partnerID=40&md5=969e1989d0cd12155075978db0d4e0df
An overview from simple host-guest systems to progressively complex supramolecular assemblies	Sayed M., Pal H.	Chemical Sciences	Physical Chemistry Chemical Physics	2021	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120732180&doi=10.1039%2fd1cp03556h&partnerID=40&md5=b7fc14bc27878a7b3f56cf324cce44c5
Defect engineering in trivalent ion doped ceria through vanadium assisted charge compensation: Insight using photoluminescence, positron annihilation and electron spin resonance spectroscopy	Das D., Gupta S.K., Mohapatra M., Sudarshan K.	Chemical Sciences	Dalton Transactions	2021	1477-9226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120617246&doi=10.1039%2fd1dt03111b&partnerID=40&md5=e3af70443881c385908ab5c2fa89ff3b
Characterization & categorization of garnet samples for major and minor constituents by energy dispersive X-ray fluorescence spectroscopy	Jayabun S., Pathak S., Sengupta A.	Chemical Sciences	Nuclear Instruments and Methods in Physics Research, Sectior	2021	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117144936&doi=10.1016%2fj.nima.2021.165854&partnerID=40&md5=4ab14af7f3e392f3cd1822f6da6cdae9
Search for coherent bremsstrahlung from spontaneous fission at 555 meter deep underground laboratory	Pandit D., Mondal D., Ghosh T.K., Mukhopadhyay S., Pal	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hi	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119368609&doi=10.1016%2fj.physletb.2021.136760&partnerID=40&md5=411d630ab11fabc11578e6dd6067072d
Supercapacitor properties of V10O14(OH)2 and reduced graphene oxide hybrids: Experimental and theoretical insights	Kamila S., Mane P., Mohanty R.I., Chakraborty B., Jena B	Physical Sciences	Electrochimica Acta	2021	0013-4686	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117726985&doi=10.1016%2fj.electacta.2021.139357&partnerID=40&md5=d2d753948ae1597970d27923e63b22b6
Anomalous structural behavior and antiferroelectricity in BiGdO3: Detailed temperature and high-pressure study	Jana R., Dutta A., Saha P., Mandal K., Ghosh B., Chandra	Physical Sciences	Journal of Physics Condensed Matter	2021	0953-8984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116569793&doi=10.1088%2f1361-648X%2fac2646&partnerID=40&md5=66d58302282d918bd699634c19c59546
Revised crystal structure and electronic properties of high dielectric Ba (Fe 1 / 2 Nb 1 / 2) O 3 ceramics	Ray R., Himanshu A.K., Mandal G.K., Kumar U., Jha S.N.,	Physical Sciences	Journal of Applied Physics	2021	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120636887&doi=10.1063%2f5.0068825&partnerID=40&md5=cb2d426cc6e0448b1478ca93e6c2bbc3
Fate of photoinduced electron transfer reactions with temperature- And ph-induced assembly/disassembly of star block copolymer micelles	Lakshmi S.N., Bahadur P., Choudhury S.D.	Chemical Sciences	Langmuir	2021	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120376551&doi=10.1021%2facs.langmuir.1c02383&partnerID=40&md5=4bf0663b19f0738b0794f31e60daad69
Piperazinyl-Based Diamide Ligand for Selective Precipitation of Actinyl (UO22+/PuO22+) Ions with Fast Kinetics	Vats B.G., Bhattacharyya A., Sanyal K., Kumar M., Gamar	Chemical Sciences	Inorganic Chemistry	2021	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120383151&doi=10.1021%2facs.inorgchem.1c02056&partnerID=40&md5=d11dac7aa55590558e5cef7934397ade
Toward Understanding the Binding Synergy of Trastuzumab and Pertuzumab to Human Epidermal Growth Factor Receptor 2	Sharma R., Kumbhakar M., Mukherjee A.	Chemical Sciences	Molecular Pharmaceutics	2021	1543-8384	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119480282&doi=10.1021%2facs.molpharmaceut.1c00775&partnerID=40&md5=476d33bc6d87f3d20bb8b6e5d917f171
Unveiling the microstructures of micelles from polyoxyethylene alkyl ether-based multi-responsive nonionic amphiphile	Patel A., Ray D., Parekh P., Aswal V.K., Bahadur P., Patel	Physical Sciences	Colloids and Surfaces A: Physicochemical and Engineering Asp	2021	0927-7757	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115300293&doi=10.1016%2fj.colsurfa.2021.127531&partnerID=40&md5=74b72cfc4d140794db1d5466633819b8
Spectroscopy of structural isomers of pentanes: An experimental and theoretical study	Das A.K., Sunanda K., Rajasekhar B.N.	Physical Sciences	Journal of Molecular Structure	2021	0022-2860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111176637&doi=10.1016%2fj.molstruc.2021.131126&partnerID=40&md5=e052add0c8db3b7a5bdcfc551a65bb2a
A novel n-methylurea cyanurate single crystal: structural and physical characterizations for magneto-electronics applications	Vinothkumar P., Dhavamurthy M., Sathyamoorthy K., M	Chemical Sciences	Journal of Molecular Structure	2021	0022-2860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110166649&doi=10.1016%2fj.molstruc.2021.131015&partnerID=40&md5=cb1654a9746acf7765f72f7d16d29408
In3+ doped ZnGa2O4 nanoparticles: Difference in the luminescence properties upon optical and electrical excitations	Patel D.K., Girija K.G., Naidu B.S., Vishwanadh B., Sayed	Chemical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110147339&doi=10.1016%2fj.jallcom.2021.161021&partnerID=40&md5=66d1d3c15e4b8add455aebb06492ba3b
Measurement of the inclusive and differential t t¯ γ cross sections in the single-lepton channel and EFT interpretation at √s = 13 TeV	Tumasyan A., Adam W., Andrejkovic J.W., Bergauer T., C	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122954120&doi=10.1007%2fJHEP12%282021%29180&partnerID=40&md5=dce0b456b8efd81a12dcea3e68d67384
Probing effective field theory operators in the associated production of top quarks with a Z boson in multilepton final states at √s = 13 TeV	Tonon N., Aarup Petersen H., Aldaya Martin M., Asmuss	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122912032&doi=10.1007%2fJHEP12%282021%29083&partnerID=40&md5=d573c9f0025aa00a167cd4261d696957
Benchmarking LHC background particle simulation with the CMS triple-GEM detector	Abbas M., Abbrescia M., Abdalla H., Abdelalim A., AbuZ	Physical Sciences	Journal of Instrumentation	2021	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122672236&doi=10.1088%2f1748-0221%2f16%2f12%2fP12026&partnerID=40&md5=6871bf060f6299184bb88ef537d37dfb
Silver nanoparticles embedded cation-exchange membrane for remediation of Hg species and application as the dip catalyst in organic transformation	Yakkala K., Chappa S., Rathod P.B., Gurijala R.N., Pandey	Chemical Sciences	Materials Today Chemistry	2021	2468-5194	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122644936&doi=10.1016%2fj.mtchem.2021.100547&partnerID=40&md5=4f0942441b1914d2eae24c7dce3a5ca1
Matrix dependent spatial distributions of in situ formed rhodium nanostructures in ion-exchange membranes	Kumar R., Pandey A.K., Ramagiri S.V., Bellare J.R.	Chemical Sciences	Materials Today Chemistry	2021	2468-5194	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122640300&doi=10.1016%2fj.mtchem.2021.100610&partnerID=40&md5=9e1f5616e20a32ed7ff23f7489aa8616
Measurement of the top quark mass using events with a single reconstructed top quark in pp collisions at √s = 13 TeV	Tumasyan A., Adam W., Andrejkovic J.W., Bergauer T., C	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122124745&doi=10.1007%2fJHEP12%282021%29161&partnerID=40&md5=2e37e86443e7d96689ab95ed5c95f05f
Biophysical characterization of the homodimers of HomA and HomB, outer membrane proteins of Helicobacter pylori	Tamrakar A., Singh R., Kumar A., Makde R.D., Ashish, Ko	Life Sciences	Scientific Reports	2021	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121686420&doi=10.1038%2fs41598-021-04039-4&partnerID=40&md5=551fe205ee37d941a10acb5b46dc5185
Intertwined magnetization and exchange bias reversals across compensation temperature in YbCr O3 compound	Deepak, Kumar A., Yusuf S.M.	Physical Sciences	Physical Review Materials	2021	2475-9953	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121659492&doi=10.1103%2fPhysRevMaterials.5.124402&partnerID=40&md5=a343bb51bc142262b19b9b3e464be109
Substrate-dependent synergistic many-body effects in atomically thin two-dimensional W S2	Das S., Chowdhury R.K., Karmakar D., Das S., Ray S.K.	Physical Sciences	Physical Review Materials	2021	2475-9953	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121592321&doi=10.1103%2fPhysRevMaterials.5.124001&partnerID=40&md5=a3473f07c3261edf731b0d2c68231918
Search for a heavy resonance decaying to a top quark and a W boson at √s = 13 TeV in the fully hadronic final state	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dra	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121572316&doi=10.1007%2fJHEP12%282021%29106&partnerID=40&md5=125b07d4898575c057018a4742eaf5b7
Carbon nano-dot for cancer studies as dual nano-sensor for imaging intracellular temperature or pH variation	Gadly T., Chakraborty G., Tyagi M., Patro B.S., Dutta B.,	Life Sciences	Scientific Reports	2021	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121518920&doi=10.1038%2fs41598-021-03686-x&partnerID=40&md5=17c7e0f961f0ad08c8708f16c775a2ef
Exploring various features of the reaction mechanism involved in the collision of Li 7 on Cu	Kumar R., Maiti M., Nag T.N., Sodaye S.	Chemical Sciences	Physical Review C	2021	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121129399&doi=10.1103%2fPhysRevC.104.064606&partnerID=40&md5=2cb8828407dcb8fe695e50f986b8f2b7
Growth, luminescence, defects and scintillation properties of Sr co-doped LiI:Eu single crystal scintillator	Kalyani, Tyagi M., Singh A.K., Sonu, Kumar G.A.	Physical Sciences	Materials Today Communications	2021	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120955562&doi=10.1016%2fj.mtcomm.2021.103011&partnerID=40&md5=63bfbcf6ba60fb0ff1f3b2dca11123a7
Performance studies of compact GGAG:Ce,B thermal neutron detector coupled to Si-based photosensors	Kalyani, Tyagi M., Rawat S., Kumar G.A.	Physical Sciences	Pramana - Journal of Physics	2021	0304-4289	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120738772&doi=10.1007%2fs12043-021-02249-z&partnerID=40&md5=bdba0c7e1b7a9db5c909dc786ecf7b29
Adapting a continuous flow cryostat and a plate DAC to do high pressure Raman experiments at low temperatures	Gohil S., Ghosh S., Tare S., Chitnis A., Garg N.	Physical Sciences	Review of Scientific Instruments	2021	0034-6748	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120734193&doi=10.1063%2f5.0050860&partnerID=40&md5=119a869dcecba7810dec1199870db0c3
Photodissociation of o-xylene at 266 nm: imaging the CH3 dissociation channel	Mishra S., Bejoy N.B., Kawade M., Upadhyaya H.P., Patw	Chemical Sciences	Journal of Chemical Sciences	2021	0974-3626	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120694340&doi=10.1007%2fs12039-021-01988-1&partnerID=40&md5=1506c532c7e69924ce2e15eac6866ea1
Understanding the charge storage mechanism of supercapacitors:: In situ / operando spectroscopic approaches and theoretical investigations	Patra A., K. N., Jose J.R., Sahoo S., Chakraborty B., Rout (	Physical Sciences	Journal of Materials Chemistry A	2021	2050-7488	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120686863&doi=10.1039%2fd1ta07401f&partnerID=40&md5=9712b7a6befd5ada5caf6cae3599c12a
Anomalous phase transformation of Li2TiO3 during sintering in oxygen atmosphere: A dilatometry study	Tripathi B.M., Sharma J., Tyagi A.K., Sinha A., Prakash D.	Chemical Sciences	Fusion Engineering and Design	2021	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120415652&doi=10.1016%2fj.fusengdes.2021.112950&partnerID=40&md5=8a58a23bab13ad58e7476888a5943917
Effect of zno nanoparticles on growth and biochemical responses of wheat and maize	Srivastav A., Ganjewala D., Singhal R.K., Rajput V.D., Mir	Chemical Sciences	Plants	2021	2223-7747	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119605404&doi=10.3390%2fplants10122556&partnerID=40&md5=85f5ecd738a37fd7595f442f891c74a8
Temperature Profile in YPO4 Laden Plasma Jet and Its Evolution with Arc Current and Powder Loading	Bhandari S., Chakravarthy Y., Misra V.C., Mahata T., Tiw	Engineering Sciences	Journal of Thermal Spray Technology	2021	1059-9630	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119491768&doi=10.1007%2fs11666-021-01275-y&partnerID=40&md5=cd0bc470ff2d5bbbbd69d679331c352e
Investigations on baseline levels for natural radioactivity in soils, rocks, and lakes of Larsemann Hills in East Antarctica	Pal R., Patra A.C., Bakshi A.K., Dhabekar B., Reddy P.J., S	Physical Sciences	Environmental Monitoring and Assessment	2021	0167-6369	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119432687&doi=10.1007%2fs10661-021-09446-8&partnerID=40&md5=20c2ef765c56fa445972b1a1d6a12b0c
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Effect of operating and geometric parameters on axial dispersion in pulsed disc and doughnut and pulsed sieve plate columns: A comparative study	Sen N., Sarkar S., Singh K.K., Shenoy K.T.	Engineering Sciences	Progress in Nuclear Energy	2021	0149-1970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118873975&doi=10.1016%2fj.pnucene.2021.103987&partnerID=40&md5=be0583e9ddd7c7c6ad9af6f3d40515cd
Mössbauer analysis and induction heating evaluation of grapes like FZ@MWCNT towards cancer treatment	Dey C.C., Mallick A., Mahapatra A.S., Dalal M., Bajorek A	Chemical Sciences	Solid State Sciences	2021	1293-2558	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118865474&doi=10.1016%2fj.solidstatesciences.2021.106756&partnerID=40&md5=41d0b12ffff7005a8091017ed1b2e988
Preparation, crystal structure and thermal stability of [(CH3)4N]2[Co(H2O)6](SeO4)2·4H2O: A hydrogen bond stabilized hydrated double selenate	Divekar S.K., Achary S.N., Ajgaonkar V.R.	Chemical Sciences	Solid State Sciences	2021	1293-2558	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118842479&doi=10.1016%2fj.solidstatesciences.2021.106768&partnerID=40&md5=26adaf0dcb1099459c7487e920e58b47
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High-efficient oil/water separation membrane based on MXene nanosheets by co-incorporation of APTES and amine functionalized carbon nanotubes	Zhang L., Wei K., Zeng G., Lin Q., Liu X., Chen Y., Sengupt	Chemical Sciences	Journal of Environmental Chemical Engineering	2021	2213-3437	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118361226&doi=10.1016%2fj.jece.2021.106658&partnerID=40&md5=574f38f72a41ca9dcbdf994839ba7caa
Disequilibrium of 226Ra, 210Pb, and 210Po in groundwater and soil around the Singhbhum region of Jharkhand, India	Molla S., Jha S.K., Rana B.K., Kulkarni M.S.	Physical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118245861&doi=10.1007%2fs10967-021-08055-6&partnerID=40&md5=cc43515e4762464f1570044f48796c9c
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Estimation of indoor radon and thoron levels along with their progeny in dwellings of Roopnagar District of Punjab, India	Shikha D., Kaur R., Gupta R., Kaur J., Chandan, Sapra B.K	Physical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117000257&doi=10.1007%2fs10967-021-07993-5&partnerID=40&md5=e8164e3c4b2713111696cffbf525d722
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Application of multipoint dose rate measurement for radioactive inventory estimation in waste drums	Arvind A., Sureshkumar M.K., Anand S., Kulkarni M.S.	Physical Sciences	Applied Radiation and Isotopes	2021	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116074552&doi=10.1016%2fj.apradiso.2021.109962&partnerID=40&md5=ae83c788dd8d433e6fe7b9008c926f78
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Single and mixed Pluronics® micelles with solubilized hydrophobic additives: Underscoring the aqueous solution demeanor and micellar transition	Patel D., Patel D., Ray D., Kuperkar K., Aswal V.K., Bahad	Physical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116051988&doi=10.1016%2fj.molliq.2021.117625&partnerID=40&md5=636cb8d6d7a99462a67800a55ec39014
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Separation of 99Tc from low level radioactive liquid waste using hollow fiber supported liquid membrane: optimisation and performance evaluation	Thakur D.A., Sonar N.L., Pabby A.K., Valsala T.P., Sathe D	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115861428&doi=10.1007%2fs10967-021-07983-7&partnerID=40&md5=1ecac64a25119f61dd9052bcf05bde25
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Deciphering the curved profile of uranyl ions at the aqueous-organic interface by atomistic simulations	Das A., Ali S.M.	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115415933&doi=10.1016%2fj.molliq.2021.117599&partnerID=40&md5=96382395ad3bee425e499c738c16f35c
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Influence of molecular interactions on structure, controlled release and cytotoxicity of curcumin encapsulated chitosan - Silica nanostructured microspheres	Bhatt H., Bahadur J., Checker R., Ajgaonkar P., Vishwaka	Physical Sciences	Colloids and Surfaces B: Biointerfaces	2021	0927-7765	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114222701&doi=10.1016%2fj.colsurfb.2021.112067&partnerID=40&md5=8b7924b859bfc77a422361c9891cdba8
Study of indoor radon, thoron and their decay products level in residences of Udham Singh Nagar district of Uttarakhand, India	Dutt S., Joshi V., Sajwan R.S., Yadav M., Mishra R., Ramo	Physical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113755050&doi=10.1007%2fs10967-021-07958-8&partnerID=40&md5=4930a3605f765853ba8ed4c757a2bc22
Development of water-dispersible gelatin stabilized hydroxyapatite nanoformulation for curcumin delivery	Verma G., Gajipara A., Shelar S.B., Priyadarsini K.I., Hass	Chemical Sciences	Journal of Drug Delivery Science and Technology	2021	1773-2247	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113393320&doi=10.1016%2fj.jddst.2021.102769&partnerID=40&md5=7c0ff735285a7123f8afd28f63832a3c
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Production, stability and degradation of Trichoderma gliotoxin in growth medium, irrigation water and agricultural soil	Jayalakshmi R., Oviya R., Premalatha K., Mehetre S.T., Pa	Life Sciences	Scientific Reports	2021	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112732663&doi=10.1038%2fs41598-021-95907-6&partnerID=40&md5=a755d28e117eb8a95a43fc199fa50d91
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Phase evolution in [Nd1-xUx]2Zr2O7+δ system in oxidizing and reducing conditions: A nuclear waste form	Nandi C., Phatak R., Kesari S., Shafeeq M., Rao R., Prakas	Physical Sciences	Journal of Nuclear Materials	2021	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111271207&doi=10.1016%2fj.jnucmat.2021.153208&partnerID=40&md5=3242ef2595dcf228d5714d392fba3994
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Transfer matrix based reverse engineering approach to analyse annealing induced changes in optical transmission of TiO2/Ag/TiO2/Ag multilayer	Jena S., Tokas R.B., Misal J.S., De R., Rao K.D., Thakur S.,	Physical Sciences	Optics and Laser Technology	2021	0030-3992	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110777792&doi=10.1016%2fj.optlastec.2021.107392&partnerID=40&md5=a3c89dceabd65d098dd6a305b91a5587
Synthesis, Characterization and Crystal Chemistry of Uranium and Cerium Doped Yttrium Titanate Pyrochlore: A Potential Waste Immobilization Matrix	Gumber N., Pai R.V., Phatak R., Adiraju B., Sahu M., Jaga	Chemical Sciences	Journal of Nuclear Materials	2021	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110614125&doi=10.1016%2fj.jnucmat.2021.153191&partnerID=40&md5=90250aa23ffe508d3c080e63e188c99d
A simple time temperature indicator for real time microbial assessment in minimally processed fruits	Adiani V., Gupta S., Variyar P.S.	Life Sciences	Journal of Food Engineering	2021	0260-8774	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109576594&doi=10.1016%2fj.jfoodeng.2021.110731&partnerID=40&md5=8be5350a6f4b9a213fc160876af9d806
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Thiourea and hydrogen peroxide priming improved K+ retention and source-sink relationship for mitigating salt stress in rice	Pandey M., Paladi R.K., Srivastava A.K., Suprasanna P.	Life Sciences	Scientific Reports	2021	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100499276&doi=10.1038%2fs41598-020-80419-6&partnerID=40&md5=b84eea3c5a7c2a2fd6f6b1f7b5eb756f
Modulation of photosynthesis in Synechocystis and Synechococcus grown with chromium (VI)	Gupta A., Sainis J.K., Bhagwat S.G., Chittela R.K.	Life Sciences	Journal of Biosciences	2021	0250-5991	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100436637&doi=10.1007%2fs12038-020-00119-1&partnerID=40&md5=d0223f58836dc97ef0e849e2713671c9
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New insights into the activation of Radiation Desiccation Response regulon in Deinococcus radiodurans	Narasimha A., Basu B.	Life Sciences	Journal of Biosciences	2021	0250-5991	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100379328&doi=10.1007%2fs12038-020-00123-5&partnerID=40&md5=4104411292eaf500b2a1e7269a03f54d
The 5′-upstream region of WRKY18 transcription factor from banana is a stress-inducible promoter with strong expression in guard cells	Tak H., Negi S., Ganapathi T.R.	Life Sciences	Physiologia Plantarum	2021	0031-9317	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099960774&doi=10.1111%2fppl.13326&partnerID=40&md5=192946e986d4a09f56f841e52b617e95
Chronic exposure of humans to high level natural background radiation leads to robust expression of protective stress response proteins	Nishad S., Chauhan P.K., Sowdhamini R., Ghosh A.	Life Sciences	Scientific Reports	2021	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099581368&doi=10.1038%2fs41598-020-80405-y&partnerID=40&md5=7a153ea14eab68f94aade4ffd1e461df
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Structure-function analysis reveals Trichoderma virens Tsp1 to be a novel fungal effector protein modulating plant defence	Gupta G.D., Bansal R., Mistry H., Pandey B., Mukherjee I	Life Sciences	International Journal of Biological Macromolecules	2021	0141-8130	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115754625&doi=10.1016%2fj.ijbiomac.2021.09.085&partnerID=40&md5=3d500f6f0eb6208a0f58491d2402fc22
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Kinetics of formation of pack aluminized coating on 9Cr–1Mo steel and interdiffusional behaviour of iron aluminides at intermediate temperatures	Kumar S., Majumdar S., Paul B., Kishor J., Kain V.	Engineering Sciences	Surface and Coatings Technology	2021	0257-8972	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117279489&doi=10.1016%2fj.surfcoat.2021.127794&partnerID=40&md5=f7b70e5c477f10c1762f8c59d72c0248
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Structural change from Pbnm to R3̄c phase with varying Fe/Mn content in (1-x) LaFeO3.xLaMnO3 solid solution leading to modifications in octahedral tilt and valence states	Rini E.G., Gupta M.K., Mittal R., Mekki A., Al Saeed M.H.	Physical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108077301&doi=10.1016%2fj.jallcom.2021.160761&partnerID=40&md5=1ab9fc61578fc3cd04ab6c4153617bf6
Dimethyltin(iv)-4,6-dimethyl-2-pyridylselenolate: an efficient single source precursor for the preparation of SnSe nanosheets as anode material for lithium ion batteries	Karmakar G., Halankar K.K., Tyagi A., Mandal B.P., Wada	Chemical Sciences	Dalton Transactions	2021	1477-9226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120088541&doi=10.1039%2fd1dt01312b&partnerID=40&md5=6afe6f3465a707e5dbc00d3434834413
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New deep eutectic solvents based on imidazolium cation: Probing redox speciation of uranium oxides by electrochemical and theoretical simulations	Srivastava A., Sahu P., Murali M.S., Musharaf Ali S., Sahu	Chemical Sciences	Journal of Electroanalytical Chemistry	2021	1572-6657	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118732057&doi=10.1016%2fj.jelechem.2021.115752&partnerID=40&md5=26dc32970419b247695963473df4ed16
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High pressure induced disappearing 5D0 → 7F2 and broadening 5D0 → 7F1 transitions from Y2Hf2O7:Eu3+ nanoparticles	Gupta S.K., Mao Y.	Chemical Sciences	Materials Letters	2021	0167-577X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111559010&doi=10.1016%2fj.matlet.2021.130560&partnerID=40&md5=2d7f3e5f3e2f3fe01ab5acab6ae63d0e
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Structural and magnetic properties of R0.5Sr0.5Fe0.5Mn0.5O3 (R = Gd, Nd or Pr) perovskites	Sarkar A., Das A., Ash S., Shankar P N R., Bhattacharyya	Chemical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107796253&doi=10.1016%2fj.jallcom.2021.160747&partnerID=40&md5=6597f504160a0e577ecdb512374b327b
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Measurements of the Electroweak Diboson Production Cross Sections in Proton-Proton Collisions at s =5.02 TeV Using Leptonic Decays	Tumasyan A., Adam W., Andrejkovic J.W., Bergauer T., C	Physical Sciences	Physical Review Letters	2021	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119446476&doi=10.1103%2fPhysRevLett.127.191801&partnerID=40&md5=7e75fb1698b26096faf86582572e165e
Jet cooled laser-induced fluorescence spectroscopy of tantalum monocarbide: Observation of the ground state vibrations and the low-energy states	Nakhate S.G., Mukund S., Bhattacharyya S.	Physical Sciences	Journal of Molecular Structure	2021	0022-2860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108291476&doi=10.1016%2fj.molstruc.2021.130888&partnerID=40&md5=f7f8db33100360b6ee42d2d921efba3e
NATURALLY OCCURRING RADIONUCLIDE 40K BODY CONTENT OF KAKRAPAR GUJARAT SITE POPULATION	Jha M.K., Patra A.K., Wagh S.S., Saradhi I.V., Kumar A.V.	Engineering Sciences	Radiation protection dosimetry	2021	1742-3406	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121942551&doi=10.1093%2frpd%2fncab138&partnerID=40&md5=97644ef8465011eb8d0df1ab14188f1e
Measurement of differential t t ¯ production cross sections in the full kinematic range using lepton+jets events from proton-proton collisions at s =13 TeV MEASUREMENT of DIFFERENTIAL ... A. TUMASYAN et al.	Tumasyan A., Adam W., Andrejkovic J.W., Bergauer T., C	Physical Sciences	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121314677&doi=10.1103%2fPhysRevD.104.092013&partnerID=40&md5=2c3f2ff7ff9ade2432fc0a4bf3215a1a
Big data and environmental sustainability based integrated framework for isotope hydrology applications in India	Keesari T., Goyal M.K., Gupta B., Kumar N., Roy A., Sinha	Chemical Sciences	Environmental Technology and Innovation	2021	2352-1864	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121314197&doi=10.1016%2fj.eti.2021.101889&partnerID=40&md5=11a4d33153ba7d53310fc90f817a1dde
Measurement of prompt open-charm production cross sections in proton-proton collisions at √s = 13 TeV	Tumasyan A., Adam W., Ambrogi F., Bergauer T., Dragice	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120995424&doi=10.1007%2fJHEP11%282021%29225&partnerID=40&md5=5d871b6a86b9c98c1e29ea43d83af862
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Fusion of O 16 + Ho 165 at deep sub-barrier energies	Bhattacharjee S., Mukherjee A., Gupta A., Santra R., Cha	Physical Sciences	Physical Review C	2021	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120374142&doi=10.1103%2fPhysRevC.104.054607&partnerID=40&md5=5631e62cf5fcc0b6b13fee19312a0137
Magnetic properties of the S = 52 anisotropic triangular chain compound Bi3FeMo2 O12	Boya K., Nam K., Manna A.K., Kang J., Lyi C., Jain A., Yusu	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120042801&doi=10.1103%2fPhysRevB.104.184402&partnerID=40&md5=9b6577985757630a5d7207bd48f560d9
Comparative performance of activated sludge and aerobic granular sludge sequencing batch reactors for removing metalloid SeIV/VI oxyanions	Sarvajith M., Nancharaiah Y.V.	Life Sciences	Journal of Hazardous Materials Letters	2021	2666-9110	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119916836&doi=10.1016%2fj.hazl.2021.100040&partnerID=40&md5=fbaa64a12e46df6e863eeb4274d4b233
Search for new particles in events with energetic jets and large missing transverse momentum in proton-proton collisions at √s = 13 TeV	Tumasyan A., Adam W., Andrejkovic J.W., Bergauer T., C	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119894636&doi=10.1007%2fJHEP11%282021%29153&partnerID=40&md5=7d85a7686045c13aa21d1d9f58cea94c
Observation of tW production in the single-lepton channel in pp collisions at √s = 13 TeV	Tumasyan A., Adam W., Andrejkovic J.W., Bergauer T., C	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119607780&doi=10.1007%2fJHEP11%282021%29111&partnerID=40&md5=c1795649c01112c62a434f22394a3d10
Impact of Be 7 breakup on the Li 7 (p,n) neutron spectrum	Midhun C.V., Musthafa M.M., Suryanarayana S.V., Santh	Physical Sciences	Physical Review C	2021	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119381594&doi=10.1103%2fPhysRevC.104.054606&partnerID=40&md5=c39baf67d6e72ac0f3c69afe08a0d502
Investigation of neutron transfer in Li 7 + Sn 124 system	Parkar V.V., Parmar A., Prasanna M., Jha V., Kailas S.	Physical Sciences	Physical Review C	2021	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119365893&doi=10.1103%2fPhysRevC.104.054603&partnerID=40&md5=e08cd6abf82193b6ca60640dbd1a4f77
Search for a heavy Higgs boson decaying into two lighter Higgs bosons in the ττbb final state at 13 TeV	Tumasyan A., Adam W., Andrejkovic J.W., Bergauer T., C	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119360754&doi=10.1007%2fJHEP11%282021%29057&partnerID=40&md5=dff4abc1a8b48f2e8f1c606b5bc3bf52
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Prediction of an unusual trigonal phase of superconducting LaH10 stable at high pressures	Verma A.K., Modak P., Schrodi F., Aperis A., Oppeneer P	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118875490&doi=10.1103%2fPhysRevB.104.174506&partnerID=40&md5=e13454297d9c9f20dfcc975ea80d3da1
Combined searches for the production of supersymmetric top quark partners in proton–proton collisions at √s=13Te	Tumasyan A., Adam W., Andrejkovic J.W., Bergauer T., C	Physical Sciences	European Physical Journal C	2021	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118797403&doi=10.1140%2fepjc%2fs10052-021-09721-5&partnerID=40&md5=97c969e7735f500b8c5489634ce84482
Carboxylic acid–tethered polyaniline as a generic immobilization matrix for electrochemical bioassays	Chellachamy Anbalagan A., Sawant S.N.	Chemical Sciences	Microchimica Acta	2021	0026-3672	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118736979&doi=10.1007%2fs00604-021-05059-7&partnerID=40&md5=cee3a0e4778940a8f8e7997cc529e400
Isotope selective three-step photoionization of 176Yb	Suryanarayana M.V., Sankari M.	Physical Sciences	Journal of the Optical Society of America B: Optical Physics	2021	0740-3224	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118444936&doi=10.1364%2fJOSAB.435561&partnerID=40&md5=5b8ad04ac53ffc8a9ce0086a505d0a01
A Study on Distribution of Water Quality Parameters in Potable/Ground Waters of Visakhapatnam Coastal Region with Multivariate Factor Analysis	Murty V.V.K.P.L.N., Machiraju P.V.S., Shyamala P., Kumar	Engineering Sciences	Asian Journal of Chemistry	2021	0970-7077	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117481801&doi=10.14233%2fajchem.2021.23378&partnerID=40&md5=6ba9d397e6a638dede6107d6206e4388
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Measurement of production cross sections of 66,67Ga, 65Zn and 57,58Co from alpha induced reactions of natural copper for energy up to 50 MeV utilizing cyclotron facility at VECC	Raja S.W., Dey Chaudhuri S., Banerjee D., Acharya R., Pu	Chemical Sciences	Nuclear Physics A	2021	0375-9474	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115006347&doi=10.1016%2fj.nuclphysa.2021.122309&partnerID=40&md5=e42ed9d9e71a28b75ce1e0284355b11f
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Fine tuning of pore architecture and morphology of stiffened Zeolitic Imidazolate Frameworks synthesized using fast current driven method and mixed ligand strategy	Utpalla P., Sharma S.K., Mor J., Prakash J., Bahadur J., Pu	Chemical Sciences	Microporous and Mesoporous Materials	2021	1387-1811	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114661155&doi=10.1016%2fj.micromeso.2021.111409&partnerID=40&md5=d8a3cdff59357d1a2b4502c48c0fab6d
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A Novel SSA-NLLSF Approach for Denoising NQR Signals	Varma K.T., Peesapati R., Rao C.V.R., Rajarajan A.K., Dixi	Engineering Sciences	Applied Magnetic Resonance	2021	0937-9347	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112820047&doi=10.1007%2fs00723-021-01415-1&partnerID=40&md5=801c5d296b24160782b5d917b31431d1
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A New Procedure to Evaluate Parameters of Johnson–Cook Elastic–Plastic Material Model from Varying Strain Rate Split Hopkinson Pressure Bar Tests	Samal M.K., Sharma S.	Engineering Sciences	Journal of Materials Engineering and Performance	2021	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110922134&doi=10.1007%2fs11665-021-06014-6&partnerID=40&md5=9fd17e24e79f76c2919f00ffdc8d047f
Effect of redox active multivalent metal salts on micellization of amphiphilic block copolymer for energy storage devices via SANS, DLS and NMR	Machhi H.K., Ray D., Panjabi S.H., Aswal V.K., Soni S.S.	Physical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110499650&doi=10.1016%2fj.molliq.2021.116904&partnerID=40&md5=4cd3f20775d90c629c7a2ed6e8efa58b
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Local structural investigations of graphitic ZnO and reduced graphene oxide composite	Yadav A.K., Padma N., Ghorai G., Sahoo P.K., Rao R., Bar	Physical Sciences	Applied Surface Science	2021	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109455413&doi=10.1016%2fj.apsusc.2021.150548&partnerID=40&md5=bd3180d92d42026d1281e4701ce88bd5
Label-free rapid electrochemical detection of DNA hybridization using ultrasensitive standalone CNT aerogel biosensor	Prakash J., Dey A., Uppal S., Alexander R., Kaushal A., M	Engineering Sciences	Biosensors and Bioelectronics	2021	0956-5663	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109155953&doi=10.1016%2fj.bios.2021.113480&partnerID=40&md5=50ca3d52071fc6ebf44a35abd4e84c47
Pressure induced topological and structural transitions in iron and sulphur doped Sb2Te3	Pal D., Sharma B.B., Gangwar V.K., Dan S., Singh M., Garj	Physical Sciences	Materials Letters	2021	0167-577X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109145427&doi=10.1016%2fj.matlet.2021.130401&partnerID=40&md5=17f767a62b3a7a29430a70e979329660
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Partitioning of heat generating fission product (137Cs & 90Sr) from acidic medium by 1,3-dioctyloxy-calix[4]arenecrown-6 (CC6) & Octabenzyloxyoctakis[[[(N,N-	Nath Khan P., Bhattacharyya A., Banerjee D., Sugilal G.,	Chemical Sciences	Separation and Purification Technology	2021	1383-5866	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107799007&doi=10.1016%2fj.seppur.2021.119102&partnerID=40&md5=3052c96ed81edf9cb04099aaf7b2a11c
Surgical feasibility, determinants, and overall efficacy of neoadjuvant 177Lu-Dotatate PRRT for locally advanced unresectable gastroenteropancreatic neuroendocrine tumors	Parghane R.V., Bhandare M., Chaudhari V., Ostwal V., Ra	Medical and Health Sciences	Journal of Nuclear Medicine	2021	0161-5505	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103494888&doi=10.2967%2fjnumed.120.258772&partnerID=40&md5=13f3212f03672be3da31a0874eb6e769
Determination of impurities in copper metal using total reflection X-ray fluorescence spectrometry after matrix separation: Method validation and uncertainty assessment	Ghosh M., Chavan T.A., Sahoo S., Remya Devi P.S., Satpa	Chemical Sciences	X-Ray Spectrometry	2021	0049-8246	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101881162&doi=10.1002%2fxrs.3228&partnerID=40&md5=340ec09f6c8397bac7f4af63cb7ca056
eg–t2g Sub band splitting via crystal field and band anticrossing interaction in NixCd1-xO thin films	Das A., Rajput P., Kaur A., Balasubramanian C., Kanjilal D	Physical Sciences	Thin Solid Films	2021	0040-6090	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113953401&doi=10.1016%2fj.tsf.2021.138908&partnerID=40&md5=dcfa3985bfde6e12c31c699115c8f69d
Effect of Surface Ligand on Chemical Interface Damping in Nonstoichiometric Cu2-xS Semiconductor Nanocrystals: A Direct Correlation between Ultrafast Carrier Dynamics and Photoconductivity	Ghorai N., Ghosh H.N.	Chemical Sciences	Journal of Physical Chemistry C	2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118209984&doi=10.1021%2facs.jpcc.1c06085&partnerID=40&md5=1e25702af6c5221885693df660179433
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Promising 2D/2D MoTe2/Ti3C2TxHybrid Materials for Boosted Hydrogen Evolution Reaction	Shinde P.V., Mane P., Late D.J., Chakraborty B., Rout C.S	Physical Sciences	ACS Applied Energy Materials	2021	2574-0962	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117766795&doi=10.1021%2facsaem.1c02914&partnerID=40&md5=6147903f9e3cd480b291c743a50c1410
Stabilization of Orthorhombic CoSe2by 2D-rGO/MWCNT Heterostructures for Efficient Hydrogen Evolution Reaction and Flexible Energy Storage Device Applications	Samal R., Mane P., Bhat M., Chakraborty B., Late D.J., Ro	Physical Sciences	ACS Applied Energy Materials	2021	2574-0962	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117332905&doi=10.1021%2facsaem.1c02205&partnerID=40&md5=a1c0b0df8df9eaaeca9017eb6b9703d3
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Probing Gluon Spin-Momentum Correlations in Transversely Polarized Protons through Midrapidity Isolated Direct Photons in Collisions at	Acharya U.A., Aidala C., Akiba Y., Alfred M., Andrieux V.	Physical Sciences	Physical Review Letters	2021	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117370715&doi=10.1103%2fPhysRevLett.127.162001&partnerID=40&md5=dafd72cbd8c60ed494ba9642a5097190
Quantitative description of the role of Cr on the ordering characteristics of a single phase Ni-16 wt.% Mo- 7wt.% Cr alloy	Banerjee R.H., Arya A., Donthula H., Nayak C., Bhattacha	Physical Sciences	Acta Materialia	2021	1359-6454	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114049777&doi=10.1016%2fj.actamat.2021.117263&partnerID=40&md5=8435304dd52009a7fca884f1950f4498
Assessment of structural integrity of lysozyme in the presence of newly formed uni/multivesicular metallosomes	Kaur G., Garg P., Kaur N., Mittal M., Chaudhary G.R., Ga	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110520962&doi=10.1016%2fj.molliq.2021.116871&partnerID=40&md5=80d682ecc149f01ec85e596b5a8c25bd
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Effect on the structure and stability of iron phosphate glass with Sb and Te-ion loading for nuclear waste storage application	Joshi A.C., Roy M., Dutta D.P., Mishra R.K., Meena S.S., K	Chemical Sciences	Journal of Non-Crystalline Solids	2021	0022-3093	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109048189&doi=10.1016%2fj.jnoncrysol.2021.121016&partnerID=40&md5=4bb7deb56f765ce8d8dc60c232c91ed9
Molecular frame dipole moment of diatomic molecules within relativistic coupled-cluster framework: A comparative study of expectation value versus energy derivative approach	Haldar S., Talukdar K., Nayak M.K., Pal S.	Chemical Sciences	International Journal of Quantum Chemistry	2021	0020-7608	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108870800&doi=10.1002%2fqua.26764&partnerID=40&md5=272dd48a6653f004d2908e54b691c057
Surface functionalized GdVO4:Eu3+ nanocrystals as turn-off luminescent probe for selective sensing of Cu2+ ions: role of pH	Wangkhem R., Yaba T., Shanta Singh N., Ningthoujam R.	Chemical Sciences	Applied Surface Science	2021	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107963704&doi=10.1016%2fj.apsusc.2021.150350&partnerID=40&md5=e62284a60d3bc794d013c74746c2be5c
TiO2/Carbon allotrope nanohybrids for supercapacitor application with theoretical insights from density functional theory	Seetharaman A., Kandasamy M., Manivannan S., Jothive	Physical Sciences	Applied Surface Science	2021	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107616923&doi=10.1016%2fj.apsusc.2021.150259&partnerID=40&md5=4c2feef212abea9bd807678fc38f553a
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Evolution of transition metal charge states in correlation with the structural and magnetic properties in disordered double perovskites Ca2−xLaxFeRuO6(0.5 ≤x≤ 2)	Naveen K., Rom T., Islam S.S., Reehuis M., Adler P., Felse	Physical Sciences	Physical Chemistry Chemical Physics	2021	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116924321&doi=10.1039%2fd1cp02318g&partnerID=40&md5=d424f409268432fc62f5d6ba61bdfac9
Pressure-induced chemical decomposition of copper orthovanadate (α-Cu3V2O8)	Díaz-Anichtchenko D., Turnbull R., Bandiello E., Anzellin	Chemical Sciences	Journal of Materials Chemistry C	2021	2050-7534	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116888416&doi=10.1039%2fd1tc02901k&partnerID=40&md5=c86645cb70cce2fe1034c2a342794d8c
Dopant-induced cationic bivalency in hierarchical antimony-doped tin oxide nano-particles for room-temperature SO2sensing	Chakraborty N., Ghose P.K., Rudra P., Das S., Saha D., Mi	Physical Sciences	Journal of Materials Chemistry A	2021	2050-7488	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116623272&doi=10.1039%2fd1ta03175a&partnerID=40&md5=54f92f99471a3fb748286114c07d879e
Sequestration of tetravalent neptunium from acidic feeds using diglycolamide-functionalized dendrimers in a room temperature ionic liquid: extraction, spectroscopic and electrochemical studies	Verma P.K., Gujar R.B., Mahanty B., Leoncini A., Huskens	Chemical Sciences	New Journal of Chemistry	2021	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116540571&doi=10.1039%2fd1nj03098a&partnerID=40&md5=fb5b9b5b11fab0758b73cbca7a61b128
Highly efficient uptake of tetravalent actinide ions from nitric acid feeds using an extraction chromatography material containing tetra-n-butyl diglycolamide and a room temperature ionic liquid	Yadav A.G., Gujar R.B., Mohapatra P.K., Valsala T.P., Satl	Chemical Sciences	Journal of Chromatography A	2021	0021-9673	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114127990&doi=10.1016%2fj.chroma.2021.462501&partnerID=40&md5=6fdba0addd01037af76f152bf1abb04c
Metal-organic frameworks as superior porous adsorbents for radionuclide sequestration: Current status and perspectives	Patra K., Ansari S.A., Mohapatra P.K.	Chemical Sciences	Journal of Chromatography A	2021	0021-9673	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114127418&doi=10.1016%2fj.chroma.2021.462491&partnerID=40&md5=db1f6266aba7ef06413f69f31e3e1e60
Improvement of hydrogen storage characteristics of catalyst free magnesium nanoparticles prepared by wet milling	Banrejee S., Kumar A., Ruz P., Sudarsan V.	Chemical Sciences	International Journal of Energy Research	2021	0363-907X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110710539&doi=10.1002%2fer.7046&partnerID=40&md5=7f3e9c608bd6955cecb530311a88665a
Interpenetrating Polymer Network of Rubbery Epoxy and Glassy PMMA: Network Inhomogeneities and Dynamic Heterogeneities	Ratna D., Dalvi V.G., Billa S., Sharma S.K., Rath S.K., Suda	Chemical Sciences	ACS Applied Polymer Materials	2021	2637-6105	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116223528&doi=10.1021%2facsapm.1c00825&partnerID=40&md5=3976fa03e9a4e4ecc5c55c8ba6fc8215
Di-: Tert -butyltin(iv) 2-pyridyl and 4,6-dimethyl-2-pyrimidyl thiolates: Versatile single source precursors for the preparation of SnS nanoplatelets as anode material for lithium ion batteries	Tyagi A., Karmakar G., Mandal B.P., Dutta Pathak D., Wa	Chemical Sciences	Dalton Transactions	2021	1477-9226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116591028&doi=10.1039%2fd1dt01142a&partnerID=40&md5=fd65b221aa3f768d9114ab88e3793585
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Interface modification of Fe/Cr/Al magnetic multilayer by swift heavy ion irradiation	Rajput P., Kumar M., Singh U.B., Potdar S., Gome A., Rec	Physical Sciences	Surfaces and Interfaces	2021	2468-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122649147&doi=10.1016%2fj.surfin.2021.101431&partnerID=40&md5=df6277269c701901a087f6d529979bef
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Therapeutic Multidose Preparation of a Ready-to-Use 177Lu-PSMA-617 Using Carrier Added Lutetium-177 in a Hospital Radiopharmacy and Its Clinical Efficacy	Chakraborty A., Mitra A., Tawate M., Sahoo S., Lad S., Ra	Medical and Health Sciences	Cancer Biotherapy and Radiopharmaceuticals	2021	1084-9785	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118804213&doi=10.1089%2fcbr.2020.4261&partnerID=40&md5=fd92959fec96762c5077db94e0994302
Experimental study of pulsed ion beam generated by different pulsing topology in 2.45 GHz ECR proton source	Kewlani H.M., Gharat S.H., Mathew J.V., Rao S.V.L.S., Roy	Engineering Sciences	Journal of Instrumentation	2021	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118687535&doi=10.1088%2f1748-0221%2f16%2f10%2fP10018&partnerID=40&md5=ff1a166fde33d9dccd18f95957cbe4a3
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Study of Z boson plus jets events using variables sensitive to double-parton scattering in pp collisions at 13 TeV	Tumasyan A., Adam W., Andrejkovic J.W., Bergauer T., C	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118439141&doi=10.1007%2fJHEP10%282021%29176&partnerID=40&md5=6a24316963d423b9d7c7d41c45e10261
Measurements of the pp → W± γγ and pp → Zγγ cross sections at √s = 13 TeV and limits on anomalous quartic gauge couplings	Tumasyan A., Adam W., Andrejkovic J.W., Bergauer T., C	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118231834&doi=10.1007%2fJHEP10%282021%29174&partnerID=40&md5=b7d22994cd13147afff13ef4e7eb174c
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Measurement of the electroweak production of Zγ and two jets in proton-proton collisions at s =13 TeV and constraints on anomalous quartic gauge couplings	Tumasyan A., Adam W., Andrejkovic J.W., Bergauer T., C	Physical Sciences	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117586058&doi=10.1103%2fPhysRevD.104.072001&partnerID=40&md5=840ec13c3d1beea75659c1959613fc76
Search for chargino-neutralino production in events with Higgs and W bosons using 137 fb−1 of proton-proton collisions at √s = 13 TeV	Tumasyan A., Adam W., Andrejkovic J.W., Bergauer T., C	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117114706&doi=10.1007%2fJHEP10%282021%29045&partnerID=40&md5=79205eb817b85b6520b29e8b724e288f
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Preparation of low cost NaCl single crystal for IR optical window applications	Bharath Sabarish V.C., Durairajan A., Gajendiran J., Raja	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114608760&doi=10.1007%2fs10854-021-06955-7&partnerID=40&md5=2de03ba403f0b4c0bb01f98d56557da5
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Poly(styrene-sulfonate) hosted Thioflavin-T aggregates: A turn-on and ratiometric sensing platform for ATP recognition	Singh V.R., Pandey S.P., Singh P.K.	Chemical Sciences	Dyes and Pigments	2021	0143-7208	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109092458&doi=10.1016%2fj.dyepig.2021.109577&partnerID=40&md5=103280843f75841c4367d0e3952166ae
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E-beam induced crosslinking of highly crystalline Nylon 6: Optimization of Triallyl isocyanurate concentration	Pramanik N.K., Haldar R.S., Bhardwaj Y.K., Khandal R.K.	Chemical Sciences	Radiation Physics and Chemistry	2021	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108091250&doi=10.1016%2fj.radphyschem.2021.109587&partnerID=40&md5=54e02918f1c205f45e6d65306aa986b5
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Antibacterial and antioxidant activities of aqueous extract of soapnuts (Sapindus mukorossi)	Kora A.J.	Life Sciences	Current Trends in Biotechnology and Pharmacy	2021	0973-8916	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103846682&doi=10.5530%2fctbp.2020.4.40&partnerID=40&md5=928ffa30e0c62c0d0925f3fa736a1b8c

An Experimental Investigation for Soil-pile Interaction Under Harmonic Load	Pradhan M.K., Kumar P., Phanikanth V.S., Choudhury D.,	Physical Sciences	Indian Geotechnical Journal	2021	0971-9555	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098550475&doi=10.1007%2fs40098-020-00471-x&partnerID=40&md5=49b10bad8201ab06072097ec9b7a4385
Pullulan or chitosan based active coating by incorporating polyphenols from lemon peel in raw poultry meat	Maru V.R., Gupta S., Ranade V., Variyar P.S.	Life Sciences	Journal of Food Science and Technology	2021	0022-1155	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093097077&doi=10.1007%2fs13197-020-04841-4&partnerID=40&md5=9f383a59fcd37b0b24665a3f8d975f34
Evolution of the interface microstructure of short-period Cr/Ti multilayers with increase in number of bi-layers	Sarkar P., Biswas A., Rai S., Modi M.H., Ghorai G., Sahoo	Physical Sciences	Thin Solid Films	2021	0040-6090	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111060093&doi=10.1016%2fj.tsf.2021.138840&partnerID=40&md5=994cef38dd028bf2d1eb2c86385d939a
Morpho-Physiological Traits and Functional Markers Based Molecular Dissection of Heat-Tolerance in Urdbean	Sen Gupta D., Basu P.S., Souframanien J., Kumar J., Dhar	Life Sciences	Frontiers in Plant Science	2021	1664-462X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117125736&doi=10.3389%2ffpls.2021.719381&partnerID=40&md5=9661f4b03bf23051840161dcbc59d013
A BODIPY-O-glycoside based near-infrared fluorescent sensor for serum albumin	Shivran N., Koli M., Chakraborty G., Srivastava A.P., Chat	Chemical Sciences	Organic and Biomolecular Chemistry	2021	1477-0520	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115715143&doi=10.1039%2fd1ob01564h&partnerID=40&md5=a94f2440c87b5c51bdf8c7c4ba6d55cf
Role of diluent in the unusual extraction of Am3+and Eu3+ions with benzene-centered tripodal diglycolamides: local structure studies using luminescence spectroscopy and XAS	Verma P.K., Mohapatra P.K., Yadav A.K., Jha S.N., Bhatta	Chemical Sciences	New Journal of Chemistry	2021	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115447772&doi=10.1039%2fd1nj02594e&partnerID=40&md5=de250e2252b20cf07adef1edf57dea4f
Ultrafast Dynamics and Estimation of Singlet Exciton Diffusion Parameters for Nanoaggregates of peri and bay Anisyl Perylene	Dixit S.J.N., Awasthi A.A., Chandrakumar K.R.S., Manna I	Chemical Sciences	Journal of Physical Chemistry C	2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116040283&doi=10.1021%2facs.jpcc.1c05709&partnerID=40&md5=c2821092fe2fd7f80aac1aa01e5e77e6
Unusual Growth and Hydration Characteristics of Oil Solubilized Micelles in Aqueous Pluronic Systems	Ganguly R., Kumar S., Nath S., Basu M., Aswal V.K.	Chemical Sciences	Journal of Physical Chemistry B	2021	1520-6106	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115792434&doi=10.1021%2facs.jpcb.1c04450&partnerID=40&md5=c60c71ab7ded9ac2911ae660fd230212
Contrasting effect of 1-butanol and 1,4-butanediol on the triggered micellar self-assemblies of C16-type cationic surfactants	Kumar V., Verma R., Satodia D., Ray D., Kuperkar K., Asw	Physical Sciences	Physical Chemistry Chemical Physics	2021	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115618237&doi=10.1039%2fd1cp01666k&partnerID=40&md5=8dc5da8fe3f1e0c96139a08b8f9c449a
Phenanthroimidazole derivatives showing mild intramolecular charge transfer and high quantum yields and their applications in OLEDs	Dixit S.J.N., Gupta C., Tadavi T.H., Chandrakumar K.R.S.,	Chemical Sciences	New Journal of Chemistry	2021	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115091492&doi=10.1039%2fd1nj02134f&partnerID=40&md5=5684c80ea96ccd50b2c970cb311f534f
Supramolecular Structures Generated via Self-Assembly of a Cell Penetrating Tetrapeptide Facilitate Intracellular Delivery of a Pro-apoptotic Chemotherapeutic Drug	Sivagnanam S., Basak M., Kumar A., Das K., Mahata T., R	Mathematical Sciences	ACS Applied Bio Materials	2021	2576-6422	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114034311&doi=10.1021%2facsabm.1c00530&partnerID=40&md5=9600283bbaef43495a6451bfbf5ffe90
Spontaneous three-dimensional self-assembly of MXene and graphene for impressive energy and rate performance pseudocapacitors	Sikdar A., Dutta P., Deb S.K., Majumdar A., Padma N., Gh	Physical Sciences	Electrochimica Acta	2021	0013-4686	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111740736&doi=10.1016%2fj.electacta.2021.138959&partnerID=40&md5=55145e33bae61203e5a7643fe19c90ef
Observation of Forward Neutron Multiplicity Dependence of Dimuon Acoplanarity in Ultraperipheral Pb-Pb Collisions at sNN =5.02 TeV	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dra	Physical Sciences	Physical Review Letters	2021	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115323201&doi=10.1103%2fPhysRevLett.127.122001&partnerID=40&md5=b3cd9bbab358b3f428e2e765e8378f07
Confinement driven anomalous freezing in nano porous spray dried microspheres	Biswas P., Sen D., Prasher M., Sarkar S.K., Dasgupta K.	Engineering Sciences	Nanotechnology	2021	0957-4484	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109899893&doi=10.1088%2f1361-6528%2fac0ab6&partnerID=40&md5=d5093e89246bc645ced02f42b5d570b1
Gas phase hydroxyl radical reaction with 3,4-Dichloro-1,2,5-thiadiazole in the temperature range of 265–353 K: A kinetic and theoretical study	Upadhyaya H.P.	Chemical Sciences	Chemical Physics Letters	2021	0009-2614	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108267052&doi=10.1016%2fj.cplett.2021.138828&partnerID=40&md5=665e11959045f1607729a38de2256fd2
Evaluation of inhibition effect of poly vinyl pyrrolidone on corrosion of bronze in simulated acid rain using thin layer activation technique	Biswal J., Pant H.J., Sharma V.K., Sharma S.C., Gupta A.K.	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Sectior	2021	0168-583X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111073086&doi=10.1016%2fj.nimb.2021.07.007&partnerID=40&md5=02e56d78a3a9a841572280b1abb80c10
An interesting heterometallic complex [{Ni2(κ2-SeC5H4N)2(μ-OCH3)CdCl}2] as single source molecular precursor for NiSe/CdSe heterostructure: Consequence of similar Ni-Se and Cd-Se bond distances	Chauhan R.S., Nigam S., Ansari S., Tyagi A., Singla L., Chc	Chemical Sciences	Journal of Organometallic Chemistry	2021	0022-328X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109421155&doi=10.1016%2fj.jorganchem.2021.121955&partnerID=40&md5=a755da5d8e4090c354f6d45377545cea
Micellar solubilization of Lavender oil in aqueous P85/P123 systems: Investigating the associated micellar structural transitions, therapeutic properties and existence of double cloud points	Ganguly R., Kumar S., Basu M., Kunwar A., Dutta D., Asw	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108696391&doi=10.1016%2fj.molliq.2021.116643&partnerID=40&md5=1d27df0f4ebbc2841161463518dabc39
Interaction of cesium bound fission product compounds (CsI and CsOH) with abundant inorganic compounds of atmosphere: Effect on hygroscopic growth properties	Mishra G., Tripathi S.N., Saud T., Joshi M., Khan A., Sapr	Physical Sciences	Journal of Hazardous Materials	2021	0304-3894	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107955672&doi=10.1016%2fj.jhazmat.2021.126356&partnerID=40&md5=2fb17b5d68dec2f4bd69dfd55e3924c3
Application of task specific ionic liquid for the extraction of Zirconium and Hafnium	Pathak S., Biswas S., Sengupta A.	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107685468&doi=10.1016%2fj.molliq.2021.116616&partnerID=40&md5=382af9ca1e08c42708fe3eba3ebde118
Ultra-high oil-water separation membrane based on two-dimensional MXene(Ti3C2Tx) by co-incorporation of halloysite nanotubes and polydopamine	Zeng G., Wei K., Zhang H., Zhang J., Lin Q., Cheng X., Sen	Chemical Sciences	Applied Clay Science	2021	0169-1317	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107313829&doi=10.1016%2fj.clay.2021.106177&partnerID=40&md5=976f57f13ca336101f11f5fec365fcd8
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Convergence study of CMFD based acceleration schemes for multi-group transport calculations with fission source using fourier analysis	Jain L., Mohanakrishnan P., Karthikeyan R., Kannan U.	Physical Sciences	Annals of Nuclear Energy	2021	0306-4549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106330697&doi=10.1016%2fj.anucene.2021.108314&partnerID=40&md5=321eb1a475b618268222f2fdc6a9318a
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New insights on photocatalytic hydrogen evolution of ZnFe2−xGaxO4 (0 ≤ x ≤ 2) solid solutions: Role of oxygen vacancy and ZnO segregated phase	Kalia R., Pushpendra, Kunchala R.K., Achary S.N., Naidu I	Chemical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104921086&doi=10.1016%2fj.jallcom.2021.159905&partnerID=40&md5=6290076a7cd70315100209b5c364b893
Highly efficient plutonium scavenging by an extraction chromatography resin containing a tetraaza-12-crown-4 ligand tethered with four diglycolamide pendent arms	Banerjee P., Ansari S.A., Mohapatra P.K., Egberink R.J.M	Chemical Sciences	Journal of Chromatography A	2021	0021-9673	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111562584&doi=10.1016%2fj.chroma.2021.462419&partnerID=40&md5=7368ed993eab607e10d1a95b6be6bb4e
Selective uptake of thorium(IV) from nitric acid medium using two extraction chromatographic resins based on diglycolamide-calix[4]arenes: Application to thorium-uranyl separation in an actual sample	Gujar R.B., Mohapatra P.K., Iqbal M., Huskens J., Verboo	Chemical Sciences	Journal of Chromatography A	2021	0021-9673	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110315198&doi=10.1016%2fj.chroma.2021.462401&partnerID=40&md5=f0065fb2805e41f160e3d6b5b7f4cfd7
First measurement of the cross section for top quark pair production with additional charm jets using dileptonic final states in pp collisions at s=13TeV	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dra	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hi	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113665013&doi=10.1016%2fj.physletb.2021.136565&partnerID=40&md5=f3525c2d4c21a2ab01efbc579aa898dd
Search for W′ bosons decaying to a top and a bottom quark at s=13TeV in the hadronic final state	Sirunyan A.M., Tumasyan A., Adam W., Andrejkovic J.W	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hi	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112351863&doi=10.1016%2fj.physletb.2021.136535&partnerID=40&md5=af956e80cb563bd9cd9c7d5c6363c8d7
Unraveling the reaction mechanism for large alpha production and incomplete fusion in reactions involving weakly bound stable nuclei	Pandit S.K., Shrivastava A., Mahata K., Keeley N., Parkar	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hi	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112141975&doi=10.1016%2fj.physletb.2021.136570&partnerID=40&md5=2a7d36e40ab8a3a9beab7aec6755cb89
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Recent advances in engineered metal oxide nanostructures for supercapacitor applications: Experimental and theoretical aspects	Kandasamy M., Sahoo S., Nayak S.K., Chakraborty B., Ro	Physical Sciences	Journal of Materials Chemistry A	2021	2050-7488	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113482333&doi=10.1039%2fd1ta03857e&partnerID=40&md5=4f21232b0b83b719f4d1804c2261a0f6
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Constraints on the Initial State of Pb-Pb Collisions via Measurements of Z -Boson Yields and Azimuthal Anisotropy at sNN =5.02 TeV	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Berg	Physical Sciences	Physical Review Letters	2021	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114677878&doi=10.1103%2fPhysRevLett.127.102002&partnerID=40&md5=3ba40a5406bb7fe123a3dd059108870a
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The utility of 68 ga-dotatate pet/ct in localizing primary/metastatic pheochromocytoma and paraganglioma: Asian Indian experience	Jaiswal S., Sarathi V., Malhotra G., Verma P., Hira P., Bac	Medical and Health Sciences	Indian Journal of Endocrinology and Metabolism	2021	2230-8210	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123444091&doi=10.4103%2fijem.ijem-307-21&partnerID=40&md5=dad515242476b3481b701348eaace17b
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Industrial experience with Fukushima Daiichi accident wastewater treatment: Part II	Pabby A.K., Swain B., Mittal V.K., Valsala T.P., Sathe D.B.	Chemical Sciences	Membrane Technology	2021	0958-2118	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118789276&doi=10.1016%2fS0958-2118%2821%2900141-5&partnerID=40&md5=8cfeb89018976c64a1535654ef9ca01c
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Constraints on anomalous Higgs boson couplings to vector bosons and fermions in its production and decay using the four-lepton final state	Sirunyan A.M., Tumasyan A., Adam W., Andrejkovic J.W	Physical Sciences	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116946295&doi=10.1103%2fPhysRevD.104.052004&partnerID=40&md5=00b016ccd820f073bbe4f3c011cfcd67
Approximate universality in the electric field variation on a field-emitter tip in the presence of space charge	Kumar R., Singh G., Biswas D.	Physical Sciences	Physics of Plasmas	2021	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116546908&doi=10.1063%2f5.0057538&partnerID=40&md5=23b5aa26a92ac05a0d664556bca71c84
Search for long-lived particles decaying to jets with displaced vertices in proton-proton collisions at s =13 TeV	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dra	Physical Sciences	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116454366&doi=10.1103%2fPhysRevD.104.052011&partnerID=40&md5=c2254c872f757d15d563537690c14f7c
Influence of Oxygen-Enriched Layer on the Passivity of Ti-Al-Zr Alloy in an Alkaline Environment	Sinha P.K., Kain V.	Engineering Sciences	Journal of the Electrochemical Society	2021	0013-4651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116357280&doi=10.1149%2f1945-7111%2fac2760&partnerID=40&md5=23ba3cd3fbd22cf58c7a7f68a55fc6e2
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Observation of a fission mode with very short elongation for the neutron-rich nucleus at high excitation energy	Pal A., Santra S., Rout P.C., Gandhi R., Baishya A., Santh	Physical Sciences	Physical Review C	2021	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116249262&doi=10.1103%2fPhysRevC.104.L031602&partnerID=40&md5=f788e568f3e1d806bdc1911a77b8116a
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Gamma rays induced morphological, flowering and palynological modifications in horse gram (Macrotyloma uniflorum)	Priyanka S., Sudhagar R., Vanniarajan C., Ganesamurthy	Life Sciences	Journal of Environmental Biology	2021	0254-8704	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115956138&doi=10.22438%2fjeb%2f42%2f5%2fMRN-1691&partnerID=40&md5=0080501061db7d06f836c8c15273db9d
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Correlation of Lesional Uptake Parameters and Ratios with miPSMA Score and Estimating Normal Physiologic Concentration: An Exploratory Analysis in Metastatic Castration-Resistant Prostatic Carcinoma Patients with 68Ga-PSMA-11 PET/CT	Kalshetty A., Menon B., Rakshit S., Bhattacharjee A., Bas	Medical and Health Sciences	Journal of nuclear medicine technology	2021	1535-5675	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115900749&doi=10.2967%2fjnmt.120.261289&partnerID=40&md5=caccdb634bc5689a172da60d7ec99ecd
Possible electron doping of geometrically perfect spin-1/2 kagome-lattice barlowite by reduced graphene oxide	Gupta K., Ninawe P., Jain A., Dadwal A., Anas M., Malik	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115888981&doi=10.1103%2fPhysRevB.104.L100418&partnerID=40&md5=dcab3d9fe2f357aff2dd495a05c0e34c
Measurements of angular distance and momentum ratio distributions in three-jet and Z + two-jet final states in pp collisions	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dra	Physical Sciences	European Physical Journal C	2021	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115860978&doi=10.1140%2fepjc%2fs10052-021-09570-2&partnerID=40&md5=150692eaafebbd37c388b82737f60530
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Design and development of radio frequency system for pulse positron low energy beam and its electron beam trials	Shrotriya S., Mukherjee S., Jena S.S., Shiju A., Patel N., M	Chemical Sciences	Journal of Instrumentation	2021	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115356388&doi=10.1088%2f1748-0221%2f16%2f09%2fT09002&partnerID=40&md5=bffc821bb6043a5d1a19c7d18fc7d2b6
Capecitabine-Temozolomide in Advanced Grade 2 and Grade 3 Neuroendocrine Neoplasms: Benefits of Chemotherapy in Neuroendocrine Neoplasms with Significant 18FDG Uptake	Ostwal V., Basu S., Bhargava P., Shah M., Parghane R.V.,	Medical and Health Sciences	Neuroendocrinology	2021	0028-3835	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115249837&doi=10.1159%2f000511987&partnerID=40&md5=4ace753b75d61b59df169f3f5d3c9e98
Spread of virus laden aerosols inside a moving sports utility vehicle with open windows: A numerical study	Sen N., Singh K.K.	Engineering Sciences	Physics of Fluids	2021	1070-6631	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115247197&doi=10.1063%2f5.0061753&partnerID=40&md5=34eaeee5b005addb1e268d1777e1c889
Precision luminosity measurement in proton–proton collisions at √s=13TeV in 2015 and 2016 at CMS	Sirunyan A.M., Tumasyan A., Adam W., Andrejkovic J.W	Physical Sciences	European Physical Journal C	2021	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114932161&doi=10.1140%2fepjc%2fs10052-021-09538-2&partnerID=40&md5=06297856ff5504eea7e4679f811b40de
Search for top squark production in fully hadronic final states in proton-proton collisions at s =13 TeV	Sirunyan A.M., Tumasyan A., Adam W., Andrejkovic J.W	Physical Sciences	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114859903&doi=10.1103%2fPhysRevD.104.052001&partnerID=40&md5=7a0ffc79df76ac5612e2cd7292ae7f08
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Efficacy and safety of 177lu-dotmp in palliative treatment of symptomatic skeletal metastases: A prospective study	Bollampally N., Shukla J., Mittal B.R., Sood A., Mohanty	Chemical Sciences	Nuclear Medicine Communications	2021	0143-3636	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113187753&doi=10.1097%2fMNM.0000000000001425&partnerID=40&md5=35e9173890e4f26ea83f0700bbc6a7d4
Improved temperature coefficient of resistance and transport properties of Nd0.7Sr0.3−xAxMnO3 (A = Ag, Na, K: x = 0 & 0.1) manganites	Modi A., Pandey D.K., Bhattacharya S., Mukherjee S., Ok	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112860157&doi=10.1007%2fs10854-021-06799-1&partnerID=40&md5=a4bbeedc4cfe2c31751d1ee07954ca4b
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Extraction behavior of yttrium with Aliquat336 from nitrate and thiocyanate media: A microscopic view from computational analysis	Pal U., Yadav K.K., Singh D.K., Saha-Dasgupta T.	Chemical Sciences	Materials Today Communications	2021	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109462976&doi=10.1016%2fj.mtcomm.2021.102603&partnerID=40&md5=c5dd78d2307acb70dd60ddba40e06fe6
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Assessment of Site, Degree and Pattern of Airway Obstruction in Patients with Moderate to Severe Obstructive Sleep Apnoea (OSA) Using Drug Induced Sleep Endoscopy (DISE)and Its	Joy J., Bhat N., Bhandarkar P.	Life Sciences	Indian Journal of Otolaryngology and Head and Neck Surgery	2021	2231-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099980179&doi=10.1007%2fs12070-021-02390-6&partnerID=40&md5=fbd3a492043afc927faaa46d18175d63
Magnetopriming effects on arsenic stress-induced morphological and physiological variations in soybean involving synchrotron imaging	Fatima A., Kataria S., Prajapati R., Jain M., Agrawal A.K.,	Physical Sciences	Physiologia Plantarum	2021	0031-9317	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091247572&doi=10.1111%2fppl.13211&partnerID=40&md5=1e2c202d46488f1b7daca94e1d66115a
Multiphoton light emission in barium stannate perovskites driven by oxygen vacancies, Eu3+and La3+: Accessing the role of defects and local structures	Gupta S.K., Modak B., Das D., Modak P., Yadav A.K., Sud	Chemical Sciences	Physical Chemistry Chemical Physics	2021	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113473939&doi=10.1039%2fd1cp02349g&partnerID=40&md5=77f142a4c75ff0edab5327dfa5c97ac4
Application of 4-pyridylselenolate palladium macrocycles in Suzuki couplings	Mane P.A., Pathak A.K., Bhuvanesh N., Dey S.	Chemical Sciences	Inorganic Chemistry Frontiers	2021	2052-1553	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112866889&doi=10.1039%2fd1qi00280e&partnerID=40&md5=a6b7ce7daf30fad63d6b5176504f79dd
White light emission from co-doped La2Hf2O7nanoparticles with suppressed host → Eu3+energy transfer: Via a U6+co-dopant	Gupta S.K., Modak B., Modak P., Mao Y.	Chemical Sciences	Inorganic Chemistry Frontiers	2021	2052-1553	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108430766&doi=10.1039%2fd1qi00134e&partnerID=40&md5=a086ef2e2835a7a1aad9587e2a77d7f5
Molecular Level Dissection of Critical Spike Mutations in SARS-CoV-2 Variants of Concern (VOCs): A Simplified Review	Joshi N., Tyagi A., Nigam S.	Chemical Sciences	ChemistrySelect	2021	2365-6549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113583058&doi=10.1002%2fslct.202102074&partnerID=40&md5=f6c3fff1adc6e06e5008aa6ffdaa624a
Insights into the Structural and Microscopic Origin of Magnetic Properties of the γ-Fe2O3@MnxOyNanostructure	Joshi R., Singh B.P., Prajapat C.L., Kashyap Y., Nayak C., E	Chemical Sciences	Journal of Physical Chemistry C	2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113993056&doi=10.1021%2facs.jpcc.1c04571&partnerID=40&md5=f40e1a32835f7f2bb90bbf7e0c55a16a
Spontaneous Formation of Cationic Vesicles in Aqueous DDAB-Lecithin Mixtures for Efficient Plasmid DNA Complexation and Gene Transfection	Shelar S.B., Dey A., Gawali S.L., Dhinakaran S., Barick K.C	Chemical Sciences	ACS Applied Bio Materials	2021	2576-6422	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114110775&doi=10.1021%2facsabm.1c00165&partnerID=40&md5=64cc5e7914ea6d13fd3690a517bd8647
Understanding the mechanism of the CO2 responsive viscoelastic fluids obtained from cetyltrimethylammonium bromide, sodium salicylate and N, N-dimethylcyclohexylamine	Wang J., Huang Z., Wu Y., Sun L., Zheng C., Sengupta A.	Chemical Sciences	Chemical Physics Letters	2021	0009-2614	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107758517&doi=10.1016%2fj.cplett.2021.138734&partnerID=40&md5=565f45157ac65059d03b34074a07d5af
Alkylimidazolium ionic liquids for biofilm control: Experimental studies on controlling multispecies biofilms in natural waters	Kiran Kumar Reddy G., Nancharaiah Y.V.	Life Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109932381&doi=10.1016%2fj.molliq.2021.116859&partnerID=40&md5=1e59edeb69c478a0f76290b7599a4800
Experimental and numerical study of 19-pin disassembled fuel channel under severe accident condition	Kumar R., Mishra M., Gokhale O., Mukhopadhyay D.	Engineering Sciences	Nuclear Engineering and Design	2021	0029-5493	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106277052&doi=10.1016%2fj.nucengdes.2021.111278&partnerID=40&md5=fe7c1824780bca03df9c097e65e92a20
Unraveling the salt induced modulation in the photophysical behavior of acridine orange dye on its interaction with natural DNA	Sayed M., Krishnamurthy B., Pal H.	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105890339&doi=10.1016%2fj.molliq.2021.116146&partnerID=40&md5=773a4c564bba15c651886cd3e0c5a1b2
Rapid and selective magnetic separation of uranium in seawater and groundwater using novel phosphoramidate functionalized citrate-Fe3O4@Ag nanoparticles	Saha A., Neogy S., Shafeeq P P M., Prajapat C.L., Deb S.B	Physical Sciences	Talanta	2021	1873-3573	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105710606&doi=10.1016%2fj.talanta.2021.122372&partnerID=40&md5=7b4185be12fdb0f5760f59242a68ae17
Fluorescence enhancement of bovine serum albumin gold nanoclusters from La3+ ion: Detection of four divalent metal ions (Hg2+, Cu2+, Pb2+ and Cd2+)	Desai M.L., Basu H., Saha S., Singhal R.K., Kailasa S.K.	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105600008&doi=10.1016%2fj.molliq.2021.116239&partnerID=40&md5=27afba6a3ce161025e3b994395f605ff
Simulation of Hall–Petch effect in alloy 690 using crystal plasticity model considering effect of grain boundaries	Chandra S., Samal M.K., Kumar N.N., Chavan V.M.	Engineering Sciences	Materials Letters	2021	0167-577X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105352641&doi=10.1016%2fj.matlet.2021.129915&partnerID=40&md5=1fde702d6b0b36bba51b53436557a329
Cr3+ assisted energy transfer for Mn2+ doped zinc gallogermanate with narrow and bright green emission	Srivastava B.B., Gupta S.K., Mohan S., Abraham A., Porta	Chemical Sciences	Materials Letters	2021	0167-577X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104976320&doi=10.1016%2fj.matlet.2021.129964&partnerID=40&md5=843f7a2b68209b52d272e6db7eb4c30d
Thin film coating of silicon carbide on zircaloy-4 tube by FCVD process and a study on its kinetics	Mandal D., Dabhade P.A., Chougule B.K.	Engineering Sciences	Journal of Nuclear Materials	2021	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104334845&doi=10.1016%2fj.jnucmat.2021.152996&partnerID=40&md5=44ad4cc0c0bbd17d911008c76be60a1c
Probing the solute-drag effect and its role in stabilizing the orthorhombic phase in bulk La-doped HfO2by X-ray and gamma ray spectroscopy	Banerjee D., Dey C.C., Kumar R., Sewak R., Jha S.N., Bhat	Chemical Sciences	Physical Chemistry Chemical Physics	2021	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113239640&doi=10.1039%2fd1cp00096a&partnerID=40&md5=2a879386c02e10a3ccf5bd9dfc8b31a7
A pH-controlled one-pot synthesis of gold nanostars by using a zwitterionic protein hydrolysate (gelatin): an enhanced radiosensitization of cancer cells	Das R.P., Gandhi V.V., Singh B.G., Kunwar A.	Chemical Sciences	New Journal of Chemistry	2021	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112133303&doi=10.1039%2fd1nj01903a&partnerID=40&md5=6703ede629ac4d5a11ed33b48a9d3883
Picosecond to Second Fluorescence Correlation Spectroscopy for Studying Solute Exchange and Quenching Dynamics in Micellar Media	Sarkar A., Namboodiri V., Enderlein J., Kumbhakar M.	Chemical Sciences	Journal of Physical Chemistry Letters	2021	1948-7185	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113795479&doi=10.1021%2facs.jpclett.1c02021&partnerID=40&md5=93beb70655284c7aad163c9c85c3ab85
Search for the rare decay of the W boson into a pion and a photon in proton-proton collisions at s=13TeV	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dra	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hi	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111246735&doi=10.1016%2fj.physletb.2021.136409&partnerID=40&md5=b60a79d5468a3e4a32285a3d0266fbea
Search for singly and pair-produced leptoquarks coupling to third-generation fermions in proton-proton collisions at s=13 TeV	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dra	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hi	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111238296&doi=10.1016%2fj.physletb.2021.136446&partnerID=40&md5=ef58efe63e43db679ab742b4f1222aa3
Measurement of the azimuthal anisotropy of [Formula presented] and [Formula presented] mesons in PbPb collisions at sNN=5.02TeV	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Berg	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hi	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111180510&doi=10.1016%2fj.physletb.2021.136385&partnerID=40&md5=a1514b9e0e3116d01a95c642b75b3fc9
Experimental and theoretical realization of an advanced bifunctional 2D δ-MnO2 electrode for supercapacitor and oxygen evolution reaction via defect engineering	Samal R., Kandasamy M., Chakraborty B., Rout C.S.	Physical Sciences	International Journal of Hydrogen Energy	2021	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109047941&doi=10.1016%2fj.ijhydene.2021.06.054&partnerID=40&md5=18114364dd3739ad7614b71e1c827233
Stoichiometric tuning of lattice flexibility and Na diffusion in NaAlSiO4: quasielastic neutron scattering experiment andab initiomolecular dynamics simulations	Gupta M.K., Mittal R., Kumar S., Singh B., Jalarvo N.H., D	Physical Sciences	Journal of Materials Chemistry A	2021	2050-7488	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111446649&doi=10.1039%2fd1ta03296h&partnerID=40&md5=ee0f3d59c1bd3761e8979de6d9292bbd
Interaction of a bovine serum albumin (BSA) protein with mixed anionic-cationic surfactants and the resultant structure	Saha D., Ray D., Kumar S., Kohlbrecher J., Aswal V.K.	Physical Sciences	Soft Matter	2021	1744-683X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111414960&doi=10.1039%2fd1sm00264c&partnerID=40&md5=d5f024557d9c85bdb4e5caf2d1cea339
Molten-Salt-Assisted Annealing for Making Colloidal ZnGa2O4:Cr Nanocrystals with High Persistent Luminescence	Srivastava B.B., Gupta S.K., Mohan S., Mao Y.	Chemical Sciences	Chemistry - A European Journal	2021	0947-6539	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111914002&doi=10.1002%2fchem.202101234&partnerID=40&md5=4128f7c690fded82f1ceb1f3d8f5b31a
Experimental and Theoretical Study on rGO-Decorated Mo2C Composite as the Anode Material for Lithium Ion Batteries	Halankar K.K., Mandal B.P., Nigam S., Majumder C., Sriva	Chemical Sciences	Energy and Fuels	2021	0887-0624	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111250796&doi=10.1021%2facs.energyfuels.1c01017&partnerID=40&md5=cea3a9971f1d828e793cc1c89e856d1e
Kinetic study and modeling of sulphuric acid decomposition using Cr–Fe2O3 catalyst for sulphur based water splitting processes	Sujeesh S., Ahmed V.N., Fani H.Z., Rao A.S., Mukhopadh	Engineering Sciences	International Journal of Hydrogen Energy	2021	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108952051&doi=10.1016%2fj.ijhydene.2021.06.015&partnerID=40&md5=a14597b067f7af80423631109da45a23
Mobility of doxorubicin in TPGS micelles in response to sodium taurodeoxycholate incorporation: Analyses based on scattering and fluorescence studies	Sarolia J., Shukla R., Ray D., Aswal V.K., Choudhury S.D.,	Chemical Sciences	Colloids and Surfaces A: Physicochemical and Engineering Asp	2021	0927-7757	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105696611&doi=10.1016%2fj.colsurfa.2021.126693&partnerID=40&md5=2cef0faabff18b1fc93e808bb87e0bc7
Enhanced Oxygen Evolution Reaction with a Ternary Hybrid of Patronite-Carbon Nanotube-Reduced Graphene Oxide: A Synergy between Experiments and Theory	Samantara A.K., Das J.K., Ratha S., Jena N.K., Chakrabort	Chemical Sciences	ACS Applied Materials and Interfaces	2021	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112335092&doi=10.1021%2facsami.1c09927&partnerID=40&md5=6e5abda8e87bfacf2103f6cbeadca28d
Structural and Excitation-Dependent Photoluminescence Properties of Bi0.95- xGd xEu0.05PO4(0 ≤ x ≤ 0.95) Solid Solutions and Their Anticounterfeiting Applications	Pushpendra, Singh S., Srinidhi S., Kunchala R.K., Kalia R.,	Chemical Sciences	Crystal Growth and Design	2021	1528-7483	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111558818&doi=10.1021%2facs.cgd.1c00467&partnerID=40&md5=3635b89aea32d4023877059888e6e249
Sub-nanograin metal based high efficiency multilayer reflective optics for high energies	Majhi A., Nayak M., Pradhan P.C., Jena S., Gome A., Sing	Physical Sciences	RSC Advances	2021	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114739201&doi=10.1039%2fd1ra04412e&partnerID=40&md5=c66bccd6210e86d967bc82f89d9fcf81
Search for lepton-flavor violating decays of the Higgs boson in the μτ and eτ final states in proton-proton collisions at s =13 TeV	Sirunyan A.M., Tumasyan A., Adam W., Andrejkovic J.W	Physical Sciences	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114624026&doi=10.1103%2fPhysRevD.104.032013&partnerID=40&md5=ce8f1868b256642c0c74e1a5b66f58f4
Search for top squarks in final states with two top quarks and several light-flavor jets in proton-proton collisions at s =13 TeV	Sirunyan A.M., Tumasyan A., Adam W., Andrejkovic J.W	Physical Sciences	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114374184&doi=10.1103%2fPhysRevD.104.032006&partnerID=40&md5=d7671b177ef7356a78ce0bd07f1026d0
Investigating neutron transfer in the Be 9 + Au 197 system	Kaushik M., Pandit S.K., Parkar V.V., Gupta G., Thakur S.,	Physical Sciences	Physical Review C	2021	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114170260&doi=10.1103%2fPhysRevC.104.024615&partnerID=40&md5=05f450d4c4c90f0296e5de1cbd609cda
Hard color-singlet exchange in dijet events in proton-proton collisions at s =13 TeV	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Berg	Physical Sciences	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114162630&doi=10.1103%2fPhysRevD.104.032009&partnerID=40&md5=1db8b8d69b7d02aa1c1ad10e70afb7e1
Industrial experience with Fukushima Daiichi Accident wastewater treatment: Part I	Pabby A.K., Swain B., Mittal V.K., Valsala T.P., Sathe D.B.	Chemical Sciences	Membrane Technology	2021	0958-2118	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113999264&doi=10.1016%2fS0958-2118%2821%2900125-7&partnerID=40&md5=79b870b1275368f525a3b74659a0ecce
Characterization of plastic scintillator bars using fast neutrons from D-D and D-T reactions	Dey R., Netrakanti P.K., Mishra D.K., Behera S.P., Mulmu	Physical Sciences	Journal of Instrumentation	2021	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113964473&doi=10.1088%2f1748-0221%2f16%2f08%2fP08029&partnerID=40&md5=79b3dfaad605b89e720d8104b66da5c8
Large eddy fire simulation applications from nuclear industry [Ausgewählte Berechnungen unter Verwendung des Large-Eddy-Turbulenzmodells für Brandszenarien in der Nuklearindustrie]	Sharma P.K., Verma V., Chattopadhyay J., Vinod G.	Engineering Sciences	Kerntechnik	2021	0932-3902	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113748811&doi=10.1515%2fkern-2020-0052&partnerID=40&md5=3b24e2c03efc7c51a9e949a7c76be1f3
Search for a heavy vector resonance decaying to a Z boson and a Higgs boson in proton-proton collisions at √s=13Te	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dra	Physical Sciences	European Physical Journal C	2021	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112669457&doi=10.1140%2fepjc%2fs10052-021-09348-6&partnerID=40&md5=e3b5f9ac2e3041408d7ae9a904e2fc84
Characterization of Flash X-Ray Source from a Marx-Based Pulse Power System	Rakhee Menon K., Patel A.S., Senthil K., Basak A., Kumar	Physical Sciences	IEEE Transactions on Plasma Science	2021	0093-3813	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112653018&doi=10.1109%2fTPS.2021.3092055&partnerID=40&md5=8e51b7277e1d0149e0b9a361031af460
Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton–proton collisions at √s=13TeV	Sirunyan A.M., Tumasyan A., Adam W., Andrejkovic J.W	Physical Sciences	European Physical Journal C	2021	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112463913&doi=10.1140%2fepjc%2fs10052-021-09472-3&partnerID=40&md5=9b49936856286aa6470c8e50411065f8
Fission fragment mass and folding angle distributions in the reaction Be 9 + U 238	Paul D., Sen A., Ghosh T.K., Shaikh M.M., Atreya K., Sant	Physical Sciences	Physical Review C	2021	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112389603&doi=10.1103%2fPhysRevC.104.024604&partnerID=40&md5=f500db0817fad557e625bedd843ff1d9
Effect of initial 3α cluster configurations in C 12 on the direct decay of its Hoyle state	Baishya A., Santra S., Pal A., Rout P.C.	Physical Sciences	Physical Review C	2021	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112356419&doi=10.1103%2fPhysRevC.104.024601&partnerID=40&md5=5f86774dc1254d81e6ff88bacf28802a
Plant Platforms for Efficient Heterologous Protein Production	Ghag S.B., Adki V.S., Ganapathi T.R., Bapat V.A.	Life Sciences	Biotechnology and Bioprocess Engineering	2021	1226-8372	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112087967&doi=10.1007%2fs12257-020-0374-1&partnerID=40&md5=ac244e8862f8136991df1af9c3836615
Prediction of superconductivity at 70 K in a pristine monolayer of LiBC	Modak P., Verma A.K., Mishra A.K.	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112058070&doi=10.1103%2fPhysRevB.104.054504&partnerID=40&md5=b670cbeeabe68561c39e0f411d544ec6
Development of Nanocrystalline LaB Electron Emitters Processed Using Arc Thermal Plasma Route	Kamble S.A., Bhopale S.R., Ghorui S., Bhattacharjee D., M	Physical Sciences	IEEE Transactions on Plasma Science	2021	0093-3813	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110911397&doi=10.1109%2fTPS.2021.3093118&partnerID=40&md5=877259294c539d0cd212c80518ef1d0a
Prostate-Specific Membrane Antigen Expression in Patients with Differentiated Thyroid Cancer with Thyroglobulin Elevation and Negative Iodine Scintigraphy Using 68Ga-PSMA-HBED-CC	Verma P., Malhotra G., Meshram V., Chandak A., Sonava	Medical and Health Sciences	Clinical Nuclear Medicine	2021	0363-9762	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110730368&doi=10.1097%2fRLU.0000000000003655&partnerID=40&md5=f424c927ef6599c82ff4a64cca2eca6a
Effect of electron beam irradiation on EIS and photoelectrochemical performance of electrodeposited nanocrystalline Bi2Te3 thin films	Thorat J.B., Harale N.S., Dhole I.A., Shinde S.K., Rath M.C	Chemical Sciences	Journal of Materials Science: Materials in Electronics	2021	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110716584&doi=10.1007%2fs10854-021-06290-x&partnerID=40&md5=74b3d34bfb98d4503e1e7143ea2d9b36
Exposure to NaCl enhances Cd2＋ biosorption potential of Sesuvium portulacastrum (L.)	Kulkarni J., Parab H., Srivastava A.K., Nikam T.D., Kumar	Life Sciences	Environmental Technology and Innovation	2021	2352-1864	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110703123&doi=10.1016%2fj.eti.2021.101753&partnerID=40&md5=76fbcc024f448d2d1ff10054de06dd40
Sonochemical recovery of uranium from nanosilica-based sorbent and its biohybrid	Lahiri S., Mishra A., Mandal D., Bhardwaj R.L., Gogate P.	Engineering Sciences	Ultrasonics Sonochemistry	2021	1350-4177	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110063749&doi=10.1016%2fj.ultsonch.2021.105667&partnerID=40&md5=26e3a898866c1a1278b68cf7c1e040e8
DivIVA regulates its expression and the orientation of new septum growth in Deinococcus radiodurans	Chaudhary R., Kota S., Misra H.S.	Life Sciences	Journal of Bacteriology	2021	0021-9193	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109435075&doi=10.1128%2fJB.00163-21&partnerID=40&md5=ab132c62ef88cede9f36ececf294939d
Radon mapping in groundwater and indoor environs of Budgam, Jammu and Kashmir	Nazir S., Sahoo B.K., Rani S., Masood S., Mishra R., Ahma	Physical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109251685&doi=10.1007%2fs10967-021-07856-z&partnerID=40&md5=0b9498e0cada0ec65ea6392c1cac87cc
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Bulk crystal growth, crystalline perfection and optical homogeneities of 2AP4N single crystals for second and third order frequency conversion and terahertz (THz) device applications	Karuppasamy P., Kamalesh T., Senthil Pandian M., Rama	Physical Sciences	Optical Materials	2021	0925-3467	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107982903&doi=10.1016%2fj.optmat.2021.111261&partnerID=40&md5=b2ed1ae8cc4d5d877ce82be04da38e33
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Selective separation of neptunium on macroporous bifunctional anion exchange resin aided by redox speciation	Kumar S.S., Srivastava A., Rao A., Chatterjee S., Gamre S	Chemical Sciences	Hydrometallurgy	2021	0304-386X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107280168&doi=10.1016%2fj.hydromet.2021.105642&partnerID=40&md5=277676cc29ee628666634badcc2cf62e
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Performance of radio-iodine discharge control methods of nuclear reprocessing plants	Umadevi K., Mandal D.	Engineering Sciences	Journal of Environmental Radioactivity	2021	0265-931X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105773654&doi=10.1016%2fj.jenvrad.2021.106623&partnerID=40&md5=38096057038a8ae5fb7719088e5bb282
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Seasonal occurrence and risk assessment of pharmaceutical and personal care products in Bengaluru rivers and lakes, India	Gopal C.M., Bhat K., Ramaswamy B.R., Kumar V., Singha	Chemical Sciences	Journal of Environmental Chemical Engineering	2021	2213-3437	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105701646&doi=10.1016%2fj.jece.2021.105610&partnerID=40&md5=5d0f21a8c9c34e29c9825b892015a148
Stability and reactivity study of bio-molecules brucine and colchicine towards electrophile and nucleophile attacks: Insight from DFT and MD simulations	Mary Y.S., Mary Y.S., Armaković S., Armaković S.J., Yadav	Physical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105693576&doi=10.1016%2fj.molliq.2021.116192&partnerID=40&md5=107814d53eb07ac68ba2d4c953544da2
Intercomparison studies of Instrumental Neutron Activation Analysis using singles and gamma–gamma coincidence spectrometry for trace element determination in sodalime glass	Samanta S.K., Nag T.N., Sharma V., Tripathi R., Acharya R	Chemical Sciences	Nuclear Instruments and Methods in Physics Research, Sectior	2021	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105584590&doi=10.1016%2fj.nima.2021.165429&partnerID=40&md5=40fb5ba9853e3c1f7565e53e792155f0
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Improved ionic conductivity of Na3+xScxZr2-xSi2PO12 (x = 0.2, 0.3, 0.4, 0.5) NASICON via optimized sintering conditions: Investigation of crystal structure, local atomic structure, and	Santhoshkumar B., L.R. Khanna D., Choudhary M.B., Lok	Physical Sciences	Chemical Physics Letters	2021	0009-2614	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105427636&doi=10.1016%2fj.cplett.2021.138706&partnerID=40&md5=16a0499e84541ba7eb25f02be9c1d4ac
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Structural and thermal study of Sr(Th1-xUx)(PO4)2 compounds	Keskar M., Patkare G., Shafeeq M., Phatak R.A., Kannan	Chemical Sciences	Journal of Solid State Chemistry	2021	0022-4596	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105256926&doi=10.1016%2fj.jssc.2021.122228&partnerID=40&md5=73c28b1add8ea3cb0d326e944ba53630
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Kinetics studies on free radical scavenging property of ceria in polysulfone-ceria radiation resistant mixed-matrix membrane	Bedar A., Singh B.G., Tewari P.K., Bindal R.C., Kar S.	Chemical Sciences	International Journal of Chemical Reactor Engineering	2021	1542-6580	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103166447&doi=10.1515%2fijcre-2020-0123&partnerID=40&md5=b9faaafe813b97f552324a19e89639b1
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Thermodynamics of synthesis and separation performance of Interfacially polymerized "loose" reverse osmosis membrane: Benchmarking for greywater treatment	Lanjewar S., Mukherjee A., Khandewal P., Ghosh A.K., M	Chemical Sciences	Chemical Engineering Journal	2021	1385-8947	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097747326&doi=10.1016%2fj.cej.2020.127929&partnerID=40&md5=5f4ddcb0727f0f3565454236862ebe41
Stimuli Responsive Confinement of a Molecular Rotor Based BODIPY Dye inside a Cucurbit[7]uril Nanocavity	Chakraborty G., Choudhary M.K., Sundararajan M., Ray	Chemical Sciences	Journal of Physical Chemistry B	2021	1520-6106	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111502097&doi=10.1021%2facs.jpcb.1c02443&partnerID=40&md5=2536ebdb2f42f413d00bece6ecc05404
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Molecular dynamics simulations of simplified sodium borosilicate glasses: The effect of composition on structure and dynamics	Sahu P., Ali S.M., Shenoy K.T., Mohan S., Arvind A., Sugil	Engineering Sciences	Physical Chemistry Chemical Physics	2021	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110785007&doi=10.1039%2fd1cp00207d&partnerID=40&md5=a32ff2da3c5ca5ce8fed1726cb4c1a55
Supramolecular tuning of thioflavin-T aggregation hosted by polystyrene sulfonate	Pandey S.P., Awasthi A.A., Singh P.K.	Chemical Sciences	Physical Chemistry Chemical Physics	2021	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110521878&doi=10.1039%2fd1cp02030g&partnerID=40&md5=0d6109ca2d8bc4bcf7a17012957e2432
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In Situ Preconcentration during the Di-(2-ethylhexyl) Phosphoric Acid-Assisted Dissolution of Uranium Trioxide in an Ionic Liquid: Spectroscopic, Electrochemical, and Theoretical Studies	Verma P.K., Mahanty B., Ali S.M., Mohapatra P.K.	Chemical Sciences	Inorganic Chemistry	2021	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110970808&doi=10.1021%2facs.inorgchem.1c00202&partnerID=40&md5=6951914f3c092f9be334260074df98cf
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Comparative study of electronic structure, optical properties, lattice dynamics and thermal expansion behaviour of energetic ammonium and potassium dinitramide salts	Jharapla P.K., Vaitheeswaran G., Gupta M.K., Mittal R.	Physical Sciences	Materials Chemistry and Physics	2021	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105330392&doi=10.1016%2fj.matchemphys.2021.124645&partnerID=40&md5=efc164b2c0339758126fd7f23d589e76
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Electron beam mediated synthesis of photoluminescent organosilicon nanoparticles in TX-100 micellar medium and their prospective applications	Guleria A., Tomy A., Baby C.M., Gandhi V.V., Kunwar A.,	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104485162&doi=10.1016%2fj.molliq.2021.116072&partnerID=40&md5=cb2dee34d57b194ad1a4a717f842f75b
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A redox-coupled carbon dots-MnO2 nanosheets based sensory platform for label-free and sensitive detection of E. coli	Hiremath S.D., Bhosle A.A., Nayse A., Biswas S., Biswas N	Chemical Sciences	Sensors and Actuators, B: Chemical	2021	0925-4005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104138464&doi=10.1016%2fj.snb.2021.129918&partnerID=40&md5=c9cb2fdda66024ab8679a68c46a89c33
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Non-random structure of hexagonal close packed α-solid solution in Ti-Zr binary system	Basak C.B., Poswal A.K.	Engineering Sciences	Scripta Materialia	2021	1359-6462	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103694877&doi=10.1016%2fj.scriptamat.2021.113890&partnerID=40&md5=bb6e3236d2725cbca56fe6882f07e89c
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Synthesis of Palladium complexes derived from Amido linked N-Heterocyclic Carbenes and their use in Suzuki cross coupling reactions	Chauhan R.S., Nagar S., Chatterjee S., Goswami D., Cord	Chemical Sciences	Zeitschrift fur Anorganische und Allgemeine Chemie	2021	0044-2313	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107346178&doi=10.1002%2fzaac.202100150&partnerID=40&md5=275525c067308e626f323cdfd8a9f1e6
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All-Electrical High-Sensitivity, Low-Power Dual-Mode Gas Sensing and Recovery with a WSe2/MoS2pn Heterodiode	Dhara S., Jawa H., Ghosh S., Varghese A., Karmakar D., Lo	Physical Sciences	ACS Applied Materials and Interfaces	2021	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110294397&doi=10.1021%2facsami.1c01806&partnerID=40&md5=4ae543b90fcf5748b21dda78687581e9
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Novel poly(Ionic liquid) augmented membranes for unconventional aqueous phase applications in fractionation of dyes and sugar	Depaz S., Sengupta A., Chiao Y.-H., Wickramasinghe S.R.	Chemical Sciences	Polymers	2021	2073-4360	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111368764&doi=10.3390%2fpolym13142366&partnerID=40&md5=92bf4f0aa5a5945d375b21258c897315
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Use of synchrotron phase-sensitive imaging for the investigation of magnetopriming and solar UV-exclusion impact on soybean (Glycine max) leaves	Fatima A., Kataria S., Agrawal A.K., Singh B., Kashyap Y.,	Physical Sciences	Cells	2021	2073-4409	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113722771&doi=10.3390%2fcells10071725&partnerID=40&md5=5a135f1b2d8f6caad1901c7247cbf5d5
Search for long-lived particles using displaced jets in proton-proton collisions at s =13 TeV	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Berg	Physical Sciences	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113198185&doi=10.1103%2fPhysRevD.104.012015&partnerID=40&md5=a0ba4ea9b0e623b9c17745c02d4363a0
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Search for resonant and nonresonant new phenomena in high-mass dilepton final states at √s = 13 TeV	Sirunyan A.M., Tumasyan A., Adam W., Andrejkovic J.W	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112265818&doi=10.1007%2fJHEP07%282021%29208&partnerID=40&md5=b3b5768aa8f1523b58cc6129879ef261
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MUSiC: a model-unspecific search for new physics in proton–proton collisions at √s=13TeV	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Berg	Physical Sciences	European Physical Journal C	2021	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110920901&doi=10.1140%2fepjc%2fs10052-021-09236-z&partnerID=40&md5=931cddf1a82cb24339c00df3108257e3
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Luminescence and structural properties of ytterbium and erbium co-doped LaGaO3 nanophosphor for up-conversion by polyol method	Syed R., Mallavarapu A., Sudarsan V., Agarwalla S.K., Sin	Chemical Sciences	Solid State Sciences	2021	1293-2558	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105698958&doi=10.1016%2fj.solidstatesciences.2021.106626&partnerID=40&md5=943174890016977b06ed8351c75700f4
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Microstructural evolution of proton irradiated Fe-2.25Cr–1Mo characterized using synchrotron XRD (SXRD)	Dutta A., Dey S., Gayathri N., Mukherjee P., Roy T.K., Sag	Engineering Sciences	Radiation Physics and Chemistry	2021	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103633598&doi=10.1016%2fj.radphyschem.2021.109459&partnerID=40&md5=8dc3282253a347f4f005414a8a6a9ecb
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Disorder driven asymmetry and singular red emission in doped Lu2Hf2O7 nanocrystals with no charge compensating defects	Gupta S.K., Penilla Garcia M.A., Zuniga J.P., Srivastava B.	Chemical Sciences	Journal of Luminescence	2021	0022-2313	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103319351&doi=10.1016%2fj.jlumin.2021.118057&partnerID=40&md5=9056d9e5a546c79d7e373d1d70fc42e5
Mechanism of Formation of Chabazite-K by Fusion of Fly Ash with KOH Followed by Hydrothermal Reaction and Its Cs+ Sorption Properties	Raghavendra Y., Bera S., Srinivasan M.P., Rangarajan S.	Physical Sciences	JOM	2021	1047-4838	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103032280&doi=10.1007%2fs11837-021-04594-1&partnerID=40&md5=b9f9f0286ac745b4be0da1b0c85f4afa
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Inversion in usual excitation intensities from solid state phosphor and improved fluorescence of Eu3+ ion in type (IV) deep eutectic solvent	Gupta S.K., Gupta R., Vats B.G., Gamare J.S., Kadam R.M	Chemical Sciences	Journal of Luminescence	2021	0022-2313	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102385568&doi=10.1016%2fj.jlumin.2021.118026&partnerID=40&md5=8211fb214551124464728a53f716159a
Hereditary medullary thyroid carcinoma syndromes: experience from western India	Diwaker C., Sarathi V., Jaiswal S.K., Shah R., Deshmukh A	Medical and Health Sciences	Familial Cancer	2021	1389-9600	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098632058&doi=10.1007%2fs10689-020-00219-9&partnerID=40&md5=da20d5f358bfa24ea63f42651dff7fd0
Investigating the effect of a simplified perfume accord and dilution on the formation of mixed-surfactant microemulsions	Mirzamani M., Dawn A., Aswal V.K., Jones R.L., Smith E.D	Physical Sciences	RSC Advances	2021	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111921666&doi=10.1039%2fd1ra03458h&partnerID=40&md5=c3edfec564a8ad36dbfc5483d03fc4fe
First Report on the Complexation of Uranyl Ion with Two Diglycolamide Ligands in a Room Temperature Ionic Liquid: Optical Spectroscopy and Calorimetric Studies	Ansari S.A., Dumpala R.M.R., Mohapatra P.K.	Chemical Sciences	ChemistrySelect	2021	2365-6549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110725737&doi=10.1002%2fslct.202101235&partnerID=40&md5=a15f295dd137456f8b6df0123ad98c44
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Observation of a New Excited Beauty Strange Baryon Decaying to Ξb- π+π-	Sirunyan A.M., Tumasyan A., Adam W., Andrejkovic J.W	Physical Sciences	Physical Review Letters	2021	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108915377&doi=10.1103%2fPhysRevLett.126.252003&partnerID=40&md5=a891ff0d3d10b7d72b85497f2d308c21
Measurement of the Wγ Production Cross Section in Proton-Proton Collisions at s =13 TeV and Constraints on Effective Field Theory Coefficients	Sirunyan A.M., Tumasyan A., Adam W., Andrejkovic J.W	Physical Sciences	Physical Review Letters	2021	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108908811&doi=10.1103%2fPhysRevLett.126.252002&partnerID=40&md5=65aecb1146a9f3255bd200fae3edb746

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Effect of temperature on phase evolution in Gd2Zr2O7: A potential matrix for nuclear waste immobilization	Jafar M., Phapale S.B., Mandal B.P., Roy M., Achary S.N.,	Chemical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100627936&doi=10.1016%2fj.jallcom.2021.159032&partnerID=40&md5=aa3fe57d7ea52d1144efe0cbbccbdd5f
Contrasting Effects of FA Substitution on MA/FA Rotational Dynamics in FAxMA1-xPbI3	Sharma V.K., Mukhopadhyay R., Mohanty A., Sakai V.G.,	Physical Sciences	Journal of Physical Chemistry C	2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108876682&doi=10.1021%2facs.jpcc.1c03280&partnerID=40&md5=e80f93bdea438a8a4d1ba1acc8e7420c
Enhancement in the catalytic activity of two-dimensional α-CN by B, Si and P doping for hydrogen evolution and oxygen evolution reactions	Chodvadiya D., Som N.N., Jha P.K., Chakraborty B.	Physical Sciences	International Journal of Hydrogen Energy	2021	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105865632&doi=10.1016%2fj.ijhydene.2021.04.080&partnerID=40&md5=d2cad79b88c06944fb08c72e4045c3c6
Rare earth free bright and persistent white light emitting zinc gallo-germanate nanosheets: Technological advancement to fibers with enhanced quantum efficiency	Srivastava B.B., Gupta S.K., Barbosa R., Villarreal A., Loz	Chemical Sciences	Materials Advances	2021	2633-5409	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108440688&doi=10.1039%2fd1ma00301a&partnerID=40&md5=6c822ffb535c0e3e6c575b47c8e15558
Interaction between sodium dodecylsulfate (SDS) and pluronic L61 in aqueous medium: assessment of the nature and morphology of the formed mixed aggregates by NMR, EPR, SANS	Prameela G.K.S., Phani Kumar B.V.N., Subramanian J., Ts	Physical Sciences	Physical Chemistry Chemical Physics	2021	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108288633&doi=10.1039%2fd0cp06227h&partnerID=40&md5=3a8400150916d69fcb1b0bdac29a3b31
Tuning of micelle adsorption on nanoparticles by combination of surfactants	Singh H., Aswal V.K.	Physical Sciences	Journal of Applied Physics	2021	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108098520&doi=10.1063%2f5.0054181&partnerID=40&md5=7743fe18bb43ec64c4384df7016532be
Self-Anchored Platinum-Decorated Antimony-Doped-Tin Oxide as a Durable Oxygen Reduction Electrocatalyst	He C., Sankarasubramanian S., Ells A., Parrondo J., Gum	Chemical Sciences	ACS Catalysis	2021	2155-5435	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108432841&doi=10.1021%2facscatal.1c00963&partnerID=40&md5=839a4bb02e1b4f780589b3118a41e226
Achieving highly efficient and selective cesium extraction using 1,3-di-octyloxycalix[4]arene-crown-6 inn-octanol based solvent system: experimental and DFT investigation	Patra K., Sadhu B., Sengupta A., Patil C.B., Mishra R.K., K	Chemical Sciences	RSC Advances	2021	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108732258&doi=10.1039%2fd1ra02661e&partnerID=40&md5=346b74be3096841299c297deaed78c91
Phthalimide conjugation turns the AIE-active tetraphenylethylene unit non-emissive: its use in turn-on sensing of hydrazine in solution and the solid- And vapour-phase	Hiremath S.D., Gawas R.U., Das D., Naik V.G., Bhosle A.A	Chemical Sciences	RSC Advances	2021	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108732795&doi=10.1039%2fd1ra03563k&partnerID=40&md5=2fd51e7bcdb99b71624e7af6261ab46a
Role of protein S-Glutathionylation in cancer progression and development of resistance to anti-cancer drugs	Pal D., Rai A., Checker R., Patwardhan R.S., Singh B., Sha	Life Sciences	Archives of Biochemistry and Biophysics	2021	0003-9861	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105836285&doi=10.1016%2fj.abb.2021.108890&partnerID=40&md5=c5be7ae92433675d75c13e7c98dd99b1
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Understanding the extraction behaviour of UO22+ and Th4+ using novel picolinamide/N-oxo picolinamide in ionic liquid: A comparative evaluation with molecular diluent	Das D., Hashmi S., Sengupta A., Kannan S., Kaushik C.P.	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102582716&doi=10.1016%2fj.molliq.2021.115773&partnerID=40&md5=7bb8c7d99f4b1d015cb6fd236510cbcb
Influence of Surfynol® 104 on aggregation behaviour of Triton X-100 micelles	Patel A., Ray D., Khimani M., Parikh J.K., Parekh P., Patel	Physical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102562390&doi=10.1016%2fj.molliq.2021.115878&partnerID=40&md5=3e8529474f0f5c1f7106e3afeb7b9366
Microscopic insights on the structural and dynamical aspects of Imidazolium-based surface active ionic liquid micelles	Sharma V.K., Srinivasan H., Mukhopadhyay R., Sakai V.G	Physical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102282380&doi=10.1016%2fj.molliq.2021.115722&partnerID=40&md5=e30049259bdfdb8c08affd54588d8383\
Nitrogen doping in non-magnetic yttrium oxide: Induction of room temperature ferromagnetism from first principles simulations	Chakraborty B., Nandi P.K., Kundu A., Kawazoe Y.	Physical Sciences	Journal of Magnetism and Magnetic Materials	2021	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101403543&doi=10.1016%2fj.jmmm.2021.167840&partnerID=40&md5=566cf73f711e2372d975bacc9158377f
Role of correlated disorder on structural stability and functional properties in Na,Ba(Nb,Ti)O3	Wajhal S., Mishra S.K., Shinde A.B., Krishna P.S.R., Mitta	Physical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100604544&doi=10.1016%2fj.jallcom.2021.158982&partnerID=40&md5=c40c8860c7ce6d3205eb2f148c15ed37
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New Greener and Sustainable Methodology for Direct Sequestering and Analysis of Uranium Using a Maline Supramolecular Scaffold and Mechanistic Understanding through Speciation and	Srivastava A., Dumpala R.M.R., Sahu P., Yadav A.K., Raw	Chemical Sciences	ACS Sustainable Chemistry and Engineering	2021	2168-0485	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108431379&doi=10.1021%2facssuschemeng.1c01499&partnerID=40&md5=0e4f3ec5ab0c6b0fe427da18e1edbaaf
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Permeation of Am(III) from Water-Soluble, Organic Polyacids across Hollow-Fiber Renewable Liquid Membranes Facilitated with HDEHP/Dodecane: Contrivance of Chemical Dynamics and	Kedari C.S., Manohar S., Kaushik C.P.	Chemical Sciences	Industrial and Engineering Chemistry Research	2021	0888-5885	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108106305&doi=10.1021%2facs.iecr.0c06161&partnerID=40&md5=b90452da5ffd39e51a76b2b5059baf0c
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Roles of structure and electron mobilization in enhanced ethanol sensing by Al doped SnO2nanoparticles	Chakraborty N., Das S., Srihari V., Mondal D.J., Saha D., I	Physical Sciences	Materials Advances	2021	2633-5409	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107975521&doi=10.1039%2fd1ma00172h&partnerID=40&md5=77130748f9c8134b0c6b7af2b2d9cb9c
Highly efficient diglycolamide-functionalized dendrimers for the sequestration of tetravalent actinides: solvent extraction and theoretical studies	Verma P.K., Gujar R.B., Mohapatra P.K., Ali S.M., Leoncir	Chemical Sciences	New Journal of Chemistry	2021	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107451754&doi=10.1039%2fd1nj00724f&partnerID=40&md5=2cb65d9c6f354beb83e429b48eac6cd6
Prediction of formation probability of rare earth uranates inside nuclear reactor fuel from the determined oxygen potential using a solid oxide galvanic cell	Sahu M., Mukherjee S., Patkare G.R., Dash S., Saxena M.	Chemical Sciences	New Journal of Chemistry	2021	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107399699&doi=10.1039%2fd1nj00855b&partnerID=40&md5=b7962cb7d67fcb4da5886538e5b7ace2
Structural and magnetic properties of ordered inverse spinel LixFe5O8	Kumawat K.K., Jain A., Meena S.S., Yusuf S.M.	Physical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100307483&doi=10.1016%2fj.jallcom.2021.158849&partnerID=40&md5=80b7db91bdee7a37347f72495e5d70c7
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Ultrafast Plasmon Dynamics in Near-Infrared Active Non-stoichiometric Cu2- xSe Nanocrystals and Effect of Chemical Interface Damping	Ghorai N., Ghosh H.N.	Chemical Sciences	Journal of Physical Chemistry C	2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108417347&doi=10.1021%2facs.jpcc.1c03166&partnerID=40&md5=ed612dd0470e0302c967afe6adda11d7
Ground state and excited state multinucleon transfer channels in interactions of 28Si with 90,94Zr in near barrier region	Kalkal S., Mandal S., Madhavan N., Jhingan A., Nath S., F	Physical Sciences	International Journal of Modern Physics E	2021	0218-3013	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109415664&doi=10.1142%2fS0218301321500531&partnerID=40&md5=17c4ae2ac4bd807137d8aa227fba3e74
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γ-Ray-Assisted Synthesis of a Pt-Sn Bimetallic Composite Loaded on Graphene-Graphitic Carbon Nitride Hybrid: A Cocktail Electrocatalyst for the Methanol Oxidation Reaction	Poudyal D.C., Dugani R., Dash B.S., Dhavale M., Satpati A	Chemical Sciences	ACS Omega	2021	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108345156&doi=10.1021%2facsomega.1c00114&partnerID=40&md5=185a66b3adab7ec87f97d199a4551c60
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Monte Carlo-based dosimetric studies of a locally developed 170Tm LDR brachytherapy seed source	Sahoo S., Palani Selvam T., Pathan M., Saxena S.K., Pand	Physical Sciences	Journal of Radiological Protection	2021	0952-4746	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107711696&doi=10.1088%2f1361-6498%2fabecf6&partnerID=40&md5=59aa30c71b5b0e460f8d32d11ff31274
Wire mesh capped DRPS based bronchial dosimeter for personal inhalation dosimetry due to radon progeny	Rout R.P., Mishra R., Prajith R., Jalaluddin S., Sapra B.K.	Physical Sciences	Journal of Radiological Protection	2021	0952-4746	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107710595&doi=10.1088%2f1361-6498%2fabe549&partnerID=40&md5=39767d6c6195b3ee16aba55f72ffe67b
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Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton–proton collisions at √s=13Te	Sirunyan A.M., Tumasyan A., Adam W., Andrejkovic J.W	Physical Sciences	European Physical Journal C	2021	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107233320&doi=10.1140%2fepjc%2fs10052-021-09200-x&partnerID=40&md5=4448aad562d0101e6fbb45033170d511
Alpha track registration and revelation in CR-39 using new etching method for ultratrace alpha radioactivity quantification in solution media	Chavan S.S., Mhatre A.M., Pandey A.K., Bagla H.K.	Chemical Sciences	Radiochimica Acta	2021	0033-8230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107187999&doi=10.1515%2fract-2020-0010&partnerID=40&md5=dde2f7e63a66c59878e67ca001eb46ef
Isotope-geochemical assessment of thermal waters and their impact on surrounding potable water resources in the Tapi valley geothermal area, Maharashtra, India	Chatterjee S., Biswal B.P., Sinha U.K., Patbhaje S.D.	Chemical Sciences	Environmental Earth Sciences	2021	1866-6280	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107111953&doi=10.1007%2fs12665-021-09709-0&partnerID=40&md5=cad094d1954f5d65e0dec381775037e0
Ratcheting and stress relaxation of SA333 Gr. 6 carbon steel samples under uniaxial multistep strain-controlled condition	Das P., Khutia N., Dey P.P., Arora P., Gupta S.K.	Engineering Sciences	Journal of the Brazilian Society of Mechanical Sciences and En	2021	1678-5878	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107090859&doi=10.1007%2fs40430-021-03030-4&partnerID=40&md5=f8e46f5c2d469f946e4f35815218a6fa
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Chemical ordering as a precursor to formation of ordered δ-UZr2 phase: A theoretical and experimental study	Ghosh P.S., Arya A., Basak C.B., Poswal A.K., Banerjee S.	Chemical Sciences	Journal of Physics Condensed Matter	2021	0953-8984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106667814&doi=10.1088%2f1361-648X%2fabf20b&partnerID=40&md5=473a7acce20caff021bffa20278dfa84
Defect persuade paramagnetic properties of nickel doped ZnS nanocrystals and identification of structural, optical, local atomic structure	Ghorai S., Bhattacharyya D., Patra N., Jha S.N., Ghosh A.	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106400978&doi=10.1007%2fs10854-021-06105-z&partnerID=40&md5=22fe7ec286ab01d27b92714fc59a44d2
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<100> directed growth, Hirshfeld surface analysis, and scintillation properties of trans-Stilbene (TSB) single crystal grown by modified low-temperature vertical Bridgman method	Murugesan M., Paulraj R., Tyagi M., Perumalsamy R.	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105862914&doi=10.1007%2fs10854-021-06072-5&partnerID=40&md5=5a41b986972d211d705024b5a598a1d5
Study of diamond like carbon coatings formed by pulsed hydrocarbon ions irradiations over different substrate materials using plasma focus device	Niranjan R., Joycee J., Srivastava R., Patel N.N., Joshi K.D	Physical Sciences	Plasma Research Express	2021	2516-1067	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105708215&doi=10.1088%2f2516-1067%2fabf948&partnerID=40&md5=f3e87101f69f1cbc866b2651586035ec
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On the production of pharmaceutical grade indium-111-chloride in the medical cyclotron from natural cadmium target and its use in formulation of diagnostic patient dose of 111In-	Kushwaha K., Mitra A., Chakraborty A., Keshavkumar B.,	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105406346&doi=10.1007%2fs10967-021-07652-9&partnerID=40&md5=c5f437bf13b6b67efbc314f00e9a5ec8
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Fabrication of rGO/NiS/AuNCs ternary nanocomposite modified electrode for electrochemical sensing of Cr(VI) at ultra-trace level	Sahoo S., Satpati A.K.	Chemical Sciences	Surfaces and Interfaces	2021	2468-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103793857&doi=10.1016%2fj.surfin.2021.101096&partnerID=40&md5=b12e1ef696a067f25a8d36dbc69676a7
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Loss of GSK-3β mediated phosphorylation in HtrA2 contributes to uncontrolled cell death with Parkinsonian phenotype	Bose K., Wagh A., Mishra V., Dutta S., Parui A.L., Puja R.,	Life Sciences	International Journal of Biological Macromolecules	2021	0141-8130	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102804445&doi=10.1016%2fj.ijbiomac.2021.03.040&partnerID=40&md5=2317b2b1aacb96f024cd8258a1383b58
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Enhanced electrical, mechanical, and viscoelastic properties of carbon-carbon composites using carbon nanotubes coated carbon textile as reinforcement	Kumar R., Kar K.K., Dasgupta K.	Engineering Sciences	Journal of Composite Materials	2021	0021-9983	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097309486&doi=10.1177%2f0021998320978517&partnerID=40&md5=b2b4a7ab8e77525e5e58631f0e5abf2d
Preparation and characterization of polypropylene/polylactide blends and nanocomposites and their biodegradation study	Mandal D.K., Bhunia H., Bajpai P.K., Chaudhari C.V., Dub	Chemical Sciences	Journal of Thermoplastic Composite Materials	2021	0892-7057	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066855223&doi=10.1177%2f0892705719850601&partnerID=40&md5=da95e080d241e96bf630028201c74715
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Plasmon Triggered, Enhanced Light-Matter Interactions in Au-MoS2Coupled System with Superior Photosensitivity	Mukherjee S., Chowdhury R.K., Karmakar D., Wan M., Ja	Physical Sciences	Journal of Physical Chemistry C	2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106472322&doi=10.1021%2facs.jpcc.1c00652&partnerID=40&md5=31aead2a3166a0c047d63f7028bb6d30
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Ligand Structure and Topology Effects in Complexation Selectivity of Am3+ and Eu3+ with 'O', 'N' and 'S' Heterocyclic Diamides: A DFT Study	Bhattacharyya A., Mohapatra P.K.	Chemical Sciences	ChemistrySelect	2021	2365-6549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107569036&doi=10.1002%2fslct.202101289&partnerID=40&md5=354445a9e41174477368652604989ad7
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An expedient in to the phase behaviour and scattering profile in PEO-PPO-PEO block copolymer mixed systems in aqueous solution	Patel D., Agarwal S., Ray D., Kuperkar K., Aswal V.K., Bah	Physical Sciences	Colloids and Surfaces A: Physicochemical and Engineering Asp	2021	0927-7757	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102034886&doi=10.1016%2fj.colsurfa.2021.126330&partnerID=40&md5=7a8d69d7592c2a2c82a6b51da5be8c32
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Easing of frequency gaps in carbon monoxide formation with argon diluents in carbon dioxide dielectric barrier discharge	Dey G.	Chemical Sciences	Chemical Engineering Journal Advances	2021	2666-8211	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122989324&doi=10.1016%2fj.ceja.2021.100099&partnerID=40&md5=c77e9814331b1ab57a8e21191a84dc49
Solvent-free mechanochemical synthesis of a novel benzothiazole-azine based ESIPT-coupled orange AIEgen for the selective recognition of Cu2+ ions in solution and solid phase	Bhosle A.A., Hiremath S.D., Bhasikuttan A.C., Banerjee M	Chemical Sciences	Journal of Photochemistry and Photobiology A: Chemistry	2021	1010-6030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103626583&doi=10.1016%2fj.jphotochem.2021.113265&partnerID=40&md5=867ec89c01ab38a733bcf4b0af38ecdb
Micro void detection and quantification in Al-Mg alloy by application of quantum dot luminescence	Gupta C., Sreejith K.	Engineering Sciences	Materials Letters	2021	0167-577X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101911623&doi=10.1016%2fj.matlet.2021.129558&partnerID=40&md5=18f21abfd4dd73184e46d0ab9ec8a4a7
Highly sensitive NO2 sensor based on ZnO nanostructured thin film prepared by SILAR technique	Kailasa Ganapathi S., Kaur M., Shaheera M., Pathak A., (	Physical Sciences	Sensors and Actuators, B: Chemical	2021	0925-4005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101699965&doi=10.1016%2fj.snb.2021.129678&partnerID=40&md5=580771c8842ae3da19256c19f9a8d3d7
Does uranyl-TBP complex formation happen at the aqueous-organic interface? Revelation by molecular dynamics simulations	Sahu P., Deb A.K., Ali S.M., Shenoy K.T.	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101424911&doi=10.1016%2fj.molliq.2021.115621&partnerID=40&md5=05f14a71fe3d0756780949f2e5bf8f32
Ground-state intramolecular proton transfer and observation of high energy tautomer in 1,4-Dihydroxyanthraquinone	Upadhyaya H.P.	Chemical Sciences	Journal of Molecular Structure	2021	0022-2860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100674150&doi=10.1016%2fj.molstruc.2021.130050&partnerID=40&md5=97b3ccc330696a0213f6543478bf5ff2
Room temperature weakly ferromagnetic energy band opened graphene quantum dot coupled solid sheets – A possible carbon based dilute magnetic semiconductor	Bharathi G., Nataraj D., Yu Khyzhun O., Thangadurai D.T	Physical Sciences	Applied Surface Science	2021	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100610578&doi=10.1016%2fj.apsusc.2021.149195&partnerID=40&md5=7a80e4a598cbb159716136aededb20bc
Melittin exerts opposing effects on short- and long-range dynamics in bicontinuous microemulsions	Sharma V.K., Hayes D.G., Urban V.S., O'Neill H., Tyagi M.,	Physical Sciences	Journal of Colloid and Interface Science	2021	0021-9797	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100032142&doi=10.1016%2fj.jcis.2021.01.032&partnerID=40&md5=dd870daaa8ddfba26761ad266cfec3e9
Approximate universality in the tunneling potential for curved field emitters - A line charge model approach	Ramachandran R., Biswas D.	Physical Sciences	Journal of Applied Physics	2021	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105850809&doi=10.1063%2f5.0049050&partnerID=40&md5=52d5b26b50d9d0cf2bc8d31ac966ba4c
X-ray Absorption Spectroscopy Study of La1- ySryCo1- xNbxO3	Shukla R., Kumar A., Kumar R., Jha S.N., Dhaka R.S.	Physical Sciences	Journal of Physical Chemistry C	2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106505093&doi=10.1021%2facs.jpcc.1c02211&partnerID=40&md5=06ee02602edb64c1d82bd1bd50a80296
Phonons and lithium diffusion in LiAlO2	Gupta M.K., Mittal R., Singh B., Delaire O., Achary S.N., F	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106317202&doi=10.1103%2fPhysRevB.103.174109&partnerID=40&md5=2c7012f4cbc3dbfa9d7f1026596c24ee
Temperature-and composition-induced multiarchitectural transitions in the catanionic system of a conventional surfactant and a surface-active ionic liquid	Lone M.S., Afzal S., Chat O.A., Aswal V.K., Dar A.A.	Physical Sciences	ACS Omega	2021	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106426513&doi=10.1021%2facsomega.1c00469&partnerID=40&md5=4668ab5d1c8282103a198e317f35223d
Survey of uranium in drinking water sources in India: interim observations	Sahoo S.K., Jha S.K., Jha V.N., Patra A.C., Kulkarni M.S.	Physical Sciences	Current Science	2021	0011-3891	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107576199&doi=10.18520%2fcs%2fv120%2fi9%2f1482-1490&partnerID=40&md5=72d67dfb3bc41e3bd7645feb4dc6b8c3
Measurement of prompt D0 and D¯0 meson azimuthal anisotropy and search for strong electric fields in PbPb collisions at sNN=5.02TeV	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Berg	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hi	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106117663&doi=10.1016%2fj.physletb.2021.136253&partnerID=40&md5=8557d4ac77bb25b32ff5b421d919014a
Measurement of the CP-violating phase ϕs in the Bs 0→J/ψϕ(1020)→μ+μ−K+K− channel in proton-proton collisions at s=13TeV	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Berg	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hi	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103247539&doi=10.1016%2fj.physletb.2021.136188&partnerID=40&md5=5d8ceb8718de2caf0dcd6d0c72696ebf
Bright aspects of defects and dark traits of dopants in the photoluminescence of Er2X2O7:Eu3+(X = Ti and Zr) pyrochlore: An insight using EXAFS, positron annihilation and DFT	Gupta S.K., Sudarshan K., Jena P., Ghosh P.S., Yadav A.K.	Chemical Sciences	Materials Advances	2021	2633-5409	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105890319&doi=10.1039%2fd0ma00978d&partnerID=40&md5=3dd2f864bcfda5cf669166a8e1b63308
Understanding defect-mediated cubic to hexagonal topotactic phase evolution in SrMn O3 thin films and associated magnetic and electronic properties	Mandal A.K., Jana A., De B.K., Patra N., Rajput P., Sathe V	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106341992&doi=10.1103%2fPhysRevB.103.195110&partnerID=40&md5=33725c28ecd7748333cbcb8836e67ecc
Arsenic dynamics and flux assessment under drying-wetting irrigation and enhanced microbial diversity in paddy soils: A four year study in Bengal delta plain	Majumdar A., Upadhyay M.K., Giri B., Srivastava S., Sriva	Life Sciences	Journal of Hazardous Materials	2021	0304-3894	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096396656&doi=10.1016%2fj.jhazmat.2020.124443&partnerID=40&md5=c5999ebb0e2032ae34caa3a98caa3e7e
Iron(III) Complex-Functionalized Gold Nanocomposite as a Strategic Tool for Targeted Photochemotherapy in Red Light	Pal M., Ramu V., Musib D., Kunwar A., Biswas A., Roy M.	Chemical Sciences	Inorganic Chemistry	2021	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106068373&doi=10.1021%2facs.inorgchem.1c00001&partnerID=40&md5=2c87b46f610599e631c26571c5a8d67b
Void Fraction Measurement System for Steady State Horizontal Two Phase Liquid Nitrogen Flow	Singh G.K., Purwar G., Patel R., Nimavat H., Sharma R., P	Engineering Sciences	Journal of Electrical and Electronics Engineering	2021	1844-6035	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124126904&partnerID=40&md5=322aa7957f5000c0e1def74a10201dfa
Study of Drell-Yan dimuon production in proton-lead collisions at √sNN = 8.16 TeV	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Berg	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107870935&doi=10.1007%2fJHEP05%282021%29182&partnerID=40&md5=a542a20030304663c4dab84073580d0e
First measurement of large area jet transverse momentum spectra in heavy-ion collisions	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Berg	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107771526&doi=10.1007%2fJHEP05%282021%29284&partnerID=40&md5=8b381410675a95647251dd05d77bd2bd
Two-dimensional Re S2: Solution to the unresolved queries on its structure and inter-layer coupling leading to potential optical applications	Gadde J.R., Karmakar A., Maji T.K., Mukherjee S., Alexan	Physical Sciences	Physical Review Materials	2021	2475-9953	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107591099&doi=10.1103%2fPhysRevMaterials.5.054006&partnerID=40&md5=2715de2e052e3e4be21e81f42315fa9d
Electron and photon reconstruction and identification with the CMS experiment at the CERN LHC	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dra	Physical Sciences	Journal of Instrumentation	2021	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107343515&doi=10.1088%2f1748-0221%2f16%2f05%2fP05014&partnerID=40&md5=baeb2802afe415b3544f3b5e9c2ebc4d
Measurements of the differential cross sections of the production of Z + jets and γ + jets and of Z boson emission collinear with a jet in pp collisions at √s = 13 TeV	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Berg	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107340228&doi=10.1007%2fJHEP05%282021%29285&partnerID=40&md5=6fc39775e400a65153065e140d45491b
Measurement of the Z boson differential production cross section using its invisible decay mode (Z → νν¯) in proton-proton collisions at √s = 13 TeV	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dra	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106904408&doi=10.1007%2fJHEP05%282021%29205&partnerID=40&md5=e500fa2b0568c0b824a29f8b24089594
Relativistic freeze-in with scalar dark matter in a gauged B − L model and electroweak symmetry breaking	Bandyopadhyay P., Mitra M., Roy A.	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106337304&doi=10.1007%2fJHEP05%282021%29150&partnerID=40&md5=db206593594608403d42d4fb38523476
Simultaneous quantification of low Z elements in phosphorus containing alkali borosilicate glass samples by in situ Current normalized external (in air) PIGE method utilizing proton beam from	Prakash A.D., Mishra R.K., Valsala T.P., Sharma V., Achar	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106197463&doi=10.1007%2fs10967-021-07679-y&partnerID=40&md5=08ed82499f3e045d5099363b064aa9e3
Bivalirudin and sirolimus co-eluting coronary stent: Potential strategy for the prevention of stent thrombosis and restenosis	Sane M., Dighe V., Patil R., Hassan P.A., Gawali S., Patrav	Chemical Sciences	International Journal of Pharmaceutics	2021	0378-5173	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106069946&doi=10.1016%2fj.ijpharm.2021.120403&partnerID=40&md5=5341b65ce550c0dd1c7a6eeebd2839c2
Measurement of b jet shapes in proton-proton collisions at √s = 5.02 TeV	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Berg	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105744475&doi=10.1007%2fJHEP05%282021%29054&partnerID=40&md5=0379592a4a5583a2faf61d783e97cc42
Computation of epistemic uncertainty due to limited data samples in small field dosimetry using Fuzzy Set Theory	Chaudhary R.K., Kumar R., Sharma S.D., Datta D.	Medical and Health Sciences	British Journal of Radiology	2021	0007-1285	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105698950&doi=10.1259%2fbjr.20190561&partnerID=40&md5=b2601980c42f117c99902f97033c8fc6
Survival of expiratory aerosols in a room: Study using a bi-compartment and bi-component indoor air model	Bathula S., Anand S., Thajudeen T., Mayya Y.S., Chaudhu	Physical Sciences	Aerosol and Air Quality Research	2021	1680-8584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105655455&doi=10.4209%2faaqr.200547&partnerID=40&md5=5bf584aff01743de737d07787cfaa00e
Micellization and clouding singularity amid the mixture of EO-PO-based star-block copolymer and cationic surfactants in aqueous solution	Pillai S.A., Kumar V., Kuperkar K., Ray D., Aswal V.K., Kun	Physical Sciences	Colloids and Interface Science Communications	2021	2215-0382	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105533412&doi=10.1016%2fj.colcom.2021.100414&partnerID=40&md5=f6c06d99f265753932d89e35afaeb7bf
Evolution of local structure and superconductivity in CaFe2As2	Pandeya R.P., Pramanik A., Sakhya A.P., Mondal R., Yada	Physical Sciences	Journal of Physics Condensed Matter	2021	0953-8984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105508718&doi=10.1088%2f1361-648X%2fabe44c&partnerID=40&md5=7f0b6797c5e01ac7362bf846d1fc4660
High-pressure monoclinic-monoclinic transition in fergusonite-type HoNbO4	Garg A.B., Errandonea D., Rodriguez-Hernandez P., Muo	Physical Sciences	Journal of Physics Condensed Matter	2021	0953-8984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105458788&doi=10.1088%2f1361-648X%2fabe478&partnerID=40&md5=1452de421d23ce892f362a84bb4afed7
Tuning of multi-magnetic phase and exchange bias effect by antisite disorder in Ca-doped La2CoMnO6double perovskites	Sahoo R.C., Das S., Daw D., Singh R., Das A., Nath T.K.	Physical Sciences	Journal of Physics Condensed Matter	2021	0953-8984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105398940&doi=10.1088%2f1361-648X%2fabead0&partnerID=40&md5=358fdaed08b01214e0379eeacc347390
Measurement of radionuclide contents and 222Rn/220Rn exhalation rate in soil samples from sub-mountainous region of India	Kaur M., Kumar A., Mehra R., Mishra R., Bajwa B.S.	Physical Sciences	Arabian Journal of Geosciences	2021	1866-7511	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105130806&doi=10.1007%2fs12517-021-07103-5&partnerID=40&md5=66cac20b37a0edd7daa10f8bad84c081
Erratum to: Measurement of single-diffractive dijet production in proton–proton collisions at s = 8 Te with the CMS and TOTEM experiments (The European Physical Journal C, (2020), 80, 12,	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Asila	Physical Sciences	European Physical Journal C	2021	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105053117&doi=10.1140%2fepjc%2fs10052-021-08863-w&partnerID=40&md5=5e7da3e5a3f24391dfdb49db3ff57722
Probing electronic environment in gamma irradiated sodium borosilicate glass and simulated waste glass: a perturbed angular correlation spectroscopy study	Kumar A., Mishra R.K., Bhardwaj Y.K., Kaushik C.P., Toma	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104904748&doi=10.1007%2fs10967-021-07686-z&partnerID=40&md5=aeb1914070710efde94d63d0ceddb6b0
Organocatalytic Enantioselective Michael Addition of Pyrazol-5-ones to β-Silylmethylene Malonates: Synthesis of Chiral Organosilanes Under Metal- free Conditions	Chowdhury R., Dubey A.K., Ghosh S.K.	Chemical Sciences	Asian Journal of Organic Chemistry	2021	2193-5807	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104817793&doi=10.1002%2fajoc.202100120&partnerID=40&md5=a7f2dc8b530e873cca3f1b56605ed3a8
Structural investigation in strontium titanate (SrTiO3) synthesized by gel-combustion method and in-gelation method: a TDPAC and XRD study	Kumar A., Sahu M., Deb A.C., Rao T.V.V., Radhakrishna J	Chemical Sciences	Journal of Materials Science: Materials in Electronics	2021	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104148413&doi=10.1007%2fs10854-021-05753-5&partnerID=40&md5=581db00037c06dec456c7dda69c642b2
Annealing temperature-driven near-surface crystallization with improved luminescence in self-patterned alumina films	Pal S., Bhowmick S., Khan S.A., Claverie A., Kanjilal D., Ba	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103917914&doi=10.1007%2fs10854-021-05790-0&partnerID=40&md5=b7f4524e3aab26b28b0cf3e2b03cb21e
68Ga-labeled PET tracers for targeting tumor hypoxia: Role of bifunctional chelators on pharmacokinetics	Mittal S., Sharma R., Mallia M.B., Sarma H.D.	Chemical Sciences	Nuclear Medicine and Biology	2021	0969-8051	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103773462&doi=10.1016%2fj.nucmedbio.2021.03.004&partnerID=40&md5=8823b69b461ed0c14137e5272c76b9f8
Laser induced breakdown spectroscopic measurements of oxygen to metal (O/M) ratio in metal oxides samples	Singh M., Sarkar A.	Chemical Sciences	Spectrochimica Acta - Part B Atomic Spectroscopy	2021	0584-8547	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103687924&doi=10.1016%2fj.sab.2021.106106&partnerID=40&md5=7d4c2cd746b2b5f6a06e1710e4ae1d79
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Cavitation-assisted decontamination of yttria from graphite of different densities	Lahiri S., Mandal D., Gogate P.R., Ghosh A., Bhardwaj R.	Engineering Sciences	Ultrasonics Sonochemistry	2021	1350-4177	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103109892&doi=10.1016%2fj.ultsonch.2021.105520&partnerID=40&md5=7ece56be01cc21664e588041a49255d1
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Atomistically informed crystal plasticity analysis of deformation behavior of alloy 690 including grain boundary effects	Chandra S., Samal M.K., Naveen Kumar N., Chavan V.M.	Engineering Sciences	Materialia	2021	2589-1529	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102042459&doi=10.1016%2fj.mtla.2021.101053&partnerID=40&md5=c02b227873575c7237c622b369f8fe4c
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Understanding uranium interactions with bismuth and lead-bismuth eutectic: Using calorimetric measurements	Agarwal R.	Chemical Sciences	Thermochimica Acta	2021	0040-6031	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101898255&doi=10.1016%2fj.tca.2021.178913&partnerID=40&md5=8e9391e8860cc3990e95fd8c15d321cc
Novel ionic reverse mixed micelle supramolecules in dispersive liquid-liquid microextraction for the successive/individual sensitive speciation analysis of iron in natural water by UV–Vis	Meeravali N.N., Madhavi K., Sahayam A.C.	Chemical Sciences	Microchemical Journal	2021	0026-265X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101865625&doi=10.1016%2fj.microc.2021.105986&partnerID=40&md5=bb42db4e584c30c03a4f0fa34cddda9b
Protective layer dissolution by chlorine and corrosion of aluminum brass condenser tubes of a nuclear power plant	Subba Rao T., Bera S.	Physical Sciences	Engineering Failure Analysis	2021	1350-6307	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101700262&doi=10.1016%2fj.engfailanal.2021.105307&partnerID=40&md5=8243ee1c7009df981f2bc341f1b6c679
Effect of oxide layer and the duration of exposure on the liquid metal corrosion mechanism of RAFM steel in molten Pb-Li	Chakraborty P., Naveen Kumar N., Sai Krishna N., Mahes	Engineering Sciences	Corrosion Science	2021	0010-938X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101571080&doi=10.1016%2fj.corsci.2021.109321&partnerID=40&md5=8700324e83208fb1b32f7bf7ca5d6948
Chemical intervention for enhancing growth and reducing grain arsenic accumulation in rice	Srivastava A.K., Pandey M., Ghate T., Kumar V., Upadhya	Life Sciences	Environmental Pollution	2021	0269-7491	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101569430&doi=10.1016%2fj.envpol.2021.116719&partnerID=40&md5=7b707069811c4d063a8e85c5e4eac5fe
Structural properties and surface oxidation states of sputter-deposited TiO2−x thin films	Jana S., Debnath A.K., Putta V., Bahadur J., Chauhan A.K	Physical Sciences	Surface and Interface Analysis	2021	0142-2421	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101450011&doi=10.1002%2fsia.6938&partnerID=40&md5=7af963436056117cf500aa718848ad98
Production, characterization and in-vitro applications of single-domain antibody against thyroglobulin selected from novel T7 phage display library	Kumarasamy J., Ghorui S.K., Gholve C., Jain B., Dhekale Y	Life Sciences	Journal of Immunological Methods	2021	0022-1759	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101423919&doi=10.1016%2fj.jim.2021.112990&partnerID=40&md5=8898bc4858e015618431b2b1669062b5
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Characterization of Thorium-Pyrazinoic acid complexation and its decorporation efficacy in human cells and blood	Dumpala R.M.R., Das S.K., Ali M., Boda A., Kumar P., Rav	Chemical Sciences	Chemosphere	2021	0045-6535	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099158608&doi=10.1016%2fj.chemosphere.2021.129547&partnerID=40&md5=7bbf1aacc88c8ebb84d056fa6e6e57b6
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Suppression of the superconducting proximity effect in ferromagnetic-superconducting oxide heterostructures with ion-irradiation	Kumar Y., Bhatt H., Prajapat C.L., Singh A.P., Singh F., Kir	Physical Sciences	Journal of Applied Physics	2021	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104888916&doi=10.1063%2f5.0047334&partnerID=40&md5=df44d06a4556ad9ee9fee78f5680a2a9
Single Mn Atom Doping in Chiral Sensitive Assembled Gold Clusters to Molecular Magnet	Swain D.K., Mallik G., Srivastava P., Kushwaha A.K., Rajp	Physical Sciences	ACS Nano	2021	1936-0851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103464804&doi=10.1021%2facsnano.0c10260&partnerID=40&md5=8563c26af1db456883558037f13f270a
Radiation-resistant beta-photovoltaic battery using Ce-doped Gd3Ga3Al2O12 single-crystal scintillator	Tyagi M., Singh A., Banerjee D., Sugilal G., Kaushik C.P.	Physical Sciences	Applied Physics Letters	2021	0003-6951	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104985549&doi=10.1063%2f5.0048090&partnerID=40&md5=8b84a93a52b631d6d85b14b6f6192da9
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Tunable CsPb(Br/Cl)3perovskite nanocrystals and further advancement in designing light emitting fiber membranes	Abir S.S.H., Gupta S.K., Ibrahim A., Srivastava B.B., Lozan	Chemical Sciences	Materials Advances	2021	2633-5409	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105017059&doi=10.1039%2fd1ma00183c&partnerID=40&md5=effa44d4b2dfed260e09557c51c9c195
Enrichment of the field emission properties of NiCo2O4nanostructures by UV/ozone treatment	Pathak M., Mutadak P., Mane P., More M.A., Chakrabor	Physical Sciences	Materials Advances	2021	2633-5409	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104931888&doi=10.1039%2fd1ma00032b&partnerID=40&md5=f39b1e724164591b29cb0e2688f5757f
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PprA Protein Inhibits DNA Strand Exchange and ATP Hydrolysis of Deinococcus RecA and Regulates the Recombination in Gamma-Irradiated Cells	Rajpurohit Y.S., Sharma D.K., Misra H.S.	Life Sciences	Frontiers in Cell and Developmental Biology	2021	2296-634X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105310992&doi=10.3389%2ffcell.2021.636178&partnerID=40&md5=84174004a687bc9d50b073118989bb0c
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2-thiazoline-2-thiol functionalized gold nanoparticles for detection of heavy metals, Hg(II) and Pb(II) and probing their competitive surface reactivity: A colorimetric, surface enhanced Raman	Chadha R., Das A., Debnath A.K., Kapoor S., Maiti N.	Chemical Sciences	Colloids and Surfaces A: Physicochemical and Engineering Asp	2021	0927-7757	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101042997&doi=10.1016%2fj.colsurfa.2021.126279&partnerID=40&md5=18a314651fe651f90bf7842262b145d5
High capacity reversible hydrogen storage in zirconium doped 2D-covalent triazine frameworks: Density Functional Theory investigations	Vaidyanathan A., Wagh V., Rout C.S., Chakraborty B.	Physical Sciences	International Journal of Hydrogen Energy	2021	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101148415&doi=10.1016%2fj.ijhydene.2021.01.175&partnerID=40&md5=518cdae46b9ed9bf4bbfe044c59284e0
Polymorphism of praseodymium orthovanadate under high pressure	Marqueño T., Errandonea D., Pellicer-Porres J., Santama	Chemical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104473764&doi=10.1103%2fPhysRevB.103.134113&partnerID=40&md5=63052f22c2929413369e7af9581ba23b
Influence of nickel (Ni7+) Swift Heavy Ion (SHI) irradiation on the optical, topological, dielectric, piezoelectric and ferroelectric properties of 〈0 1 1〉 oriented ferroelectric triglycine sulphate	Bharath Sabarish V.C., Durairajan A., Graça M.P.F., Valer	Physical Sciences	Chemical Physics Letters	2021	0009-2614	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100734335&doi=10.1016%2fj.cplett.2021.138389&partnerID=40&md5=709d2895385c5d8153e364d05634c736
Enhancement of Pseudocapacitive Behavior, Cyclic Performance, and Field Emission Characteristics of Reduced Graphene Oxide Reinforced NiGa2O4Nanostructured Electrode: A	Karmakar S., Mistari C.D., Shajahan A.S., More M.A., Cha	Physical Sciences	Journal of Physical Chemistry C	2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104911014&doi=10.1021%2facs.jpcc.0c11529&partnerID=40&md5=62f59cb989e29206b8332226e615a33b
Machine learning classifiers aid virtual screening for efficient design of mini-protein therapeutics	Gaur N.K., Goyal V.D., Kulkarni K., Makde R.D.	Life Sciences	Bioorganic and Medicinal Chemistry Letters	2021	0960-894X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101494389&doi=10.1016%2fj.bmcl.2021.127852&partnerID=40&md5=f1ee4803a417cddab247f099f1822536
Synthesis and characterization of LAGP-glass-ceramics-based composite solid polymer electrolyte for solid-state Li-ion battery application	Das A., Goswami M., Illath K., Ajithkumar T.G., Arya A., K	Chemical Sciences	Journal of Non-Crystalline Solids	2021	0022-3093	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100381673&doi=10.1016%2fj.jnoncrysol.2021.120654&partnerID=40&md5=5a0360571608f955b578bb0f30df2ab6
A hemicyanine based fluorescence turn-on sensor for amyloid fibril detection in the far-red region	Warerkar O.D., Mudliar N.H., Singh P.K.	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099718644&doi=10.1016%2fj.molliq.2021.115322&partnerID=40&md5=b9a3249d0bc70e0efa1ac15020af1d71
A cyanine based dicationic molecular rotor probe for dual sensing of heparin	Pandey S.P., Jha P., Singh P.K.	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099644785&doi=10.1016%2fj.molliq.2021.115327&partnerID=40&md5=c2334534eaa992527ff84facd9c04de3
A polyelectrolyte based supramolecular assembly for ratiometric sensing of ATP with very high discrimination from pyrophosphate	Singh V.R., Pandey S.P., Singh P.K.	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099642675&doi=10.1016%2fj.molliq.2021.115314&partnerID=40&md5=1d6e7d8225b714c772afb5bff4544eea
Comparative investigation on the functional properties of alkaline earth metal (Ca, Ba, Sr) doped Nd2NiO4+δ oxygen electrode material for SOFC applications	Lenka R.K., Patro P.K., Patel V., Muhmood L., Mahata T.	Chemical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098686415&doi=10.1016%2fj.jallcom.2020.158490&partnerID=40&md5=a031ba533d0b92715a025130884919c4
Strong trilinear coupling of phonon instabilities drives the avalanche-like hybrid improper ferroelectric transition in SrBi2Nb2 O9	Roy A.P., Bajaj N., Gupta A., Sathe V., Mishra S.K., Mittal	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104381809&doi=10.1103%2fPhysRevB.103.134111&partnerID=40&md5=28b7da8967dcb5e525763f6645143d79

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Role of free volumes and segmental dynamics on ion conductivity of PEO/LiTFSI solid polymer electrolytes filled with SiO2nanoparticles: a positron annihilation and broadband dielectric	Utpalla P., Sharma S.K., Deshpande S.K., Bahadur J., Sen	Chemical Sciences	Physical Chemistry Chemical Physics	2021	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104293968&doi=10.1039%2fd1cp00194a&partnerID=40&md5=b237ba56155fe2e3626667878b53c9d6
Distortion energy-electronic energy compensation determines the nature of solute interactions with irradiation induced vacancies in ferritic steel	Ahlawat S., Srinivasu K., Biswas A., Choudhury N.	Chemical Sciences	Physical Chemistry Chemical Physics	2021	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104246809&doi=10.1039%2fd1cp00100k&partnerID=40&md5=a16114d502a52dd39d4db9bd22ac8166
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Highly efficient uptake of neptunium from acidic feeds using two solid phase extraction resins containing diglycolamide-functionalized calix[4]arene ligands	Gujar R.B., Mohapatra P.K., Iqbal M., Huskens J., Verboo	Chemical Sciences	Journal of Chromatography A	2021	0021-9673	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102298769&doi=10.1016%2fj.chroma.2021.462037&partnerID=40&md5=9e213a411b5eb696c7bec577e0847eb5
Lithium-Irradiated Poly(vinylidene fluoride) Nanohybrid Membrane for Radionuclide Waste Management and Tracing	Prakash O., Mhatre A.M., Tripathi R., Pandey A.K., Yadav	Chemical Sciences	ACS Applied Polymer Materials	2021	2637-6105	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104926449&doi=10.1021%2facsapm.1c00070&partnerID=40&md5=d795779b3147a07aa629e0ae4eee4e33
Synthesis of a Co3V2O8/CNxhybrid nanocomposite as an efficient electrode material for supercapacitors	Mishra R., Panda P., Barman S.	Chemical Sciences	New Journal of Chemistry	2021	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103741218&doi=10.1039%2fd1nj00181g&partnerID=40&md5=e6cacf1144cfbfca60c59d22e4f9955c
Mechanistic and kinetic study of thermolysis reaction with hydrolysis step products in Cu–Cl thermochemical cycle	Thomas D., Baveja N.A., Shenoy K.T., Joshi J.B.	Engineering Sciences	International Journal of Hydrogen Energy	2021	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101351201&doi=10.1016%2fj.ijhydene.2021.01.118&partnerID=40&md5=0ddcff29996ffeab392523dcf42196d1
Implication of aliovalent cation substitution on structural and thermodynamic stability of Gd2Ti2O7: Experimental and theoretical investigations	Jafar M., Phapale S.B., Nigam S., Achary S.N., Mishra R.,	Chemical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096829773&doi=10.1016%2fj.jallcom.2020.157781&partnerID=40&md5=eaf2890d0ef7b0cc37a42aabb0da04fe
Spectroscopic investigation of upconversion and downshifting properties LaF3:Tb3+,Yb3+: A dual mode green emitter nanophosphor	Deshmukh P., Deo R.K., Ahlawat A., Khan A.A., Singh R.,	Physical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096528417&doi=10.1016%2fj.jallcom.2020.157857&partnerID=40&md5=dbe4b89312debc0a0be1be29f64f02e4
Facile synthesis of a Pt(IV) prodrug of cisplatin and its intrinsically 195mpt labeled analog: A step closer to cancer theranostic	Shitaljit Sharma K., Vimalnath K.V., Phadnis P.P., Chakra	Chemical Sciences	Indian Journal of Nuclear Medicine	2021	0972-3919	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108823666&doi=10.4103%2fijnm.IJNM_188_20&partnerID=40&md5=71574a2be869424c4cf6be76670cb622
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Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at √s=13Te	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dra	Physical Sciences	European Physical Journal C	2021	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105163177&doi=10.1140%2fepjc%2fs10052-021-09014-x&partnerID=40&md5=ab6049a0e6811f60b596ac3795ae1481
The potential of Λ and Ξ- studies with PANDA at FAIR	Barucca G., Davì F., Lancioni G., Mengucci P., Montalto L	Physical Sciences	European Physical Journal A	2021	1434-6001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105147608&doi=10.1140%2fepja%2fs10050-021-00386-y&partnerID=40&md5=b7e79a050c3f037f5da853ec76d0c00a
When the doorbell rings in COVID-19 times: Numerical insights into some possible scenarios	Sen N., Singh K.K.	Engineering Sciences	Physics of Fluids	2021	1070-6631	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104985093&doi=10.1063%2f5.0045289&partnerID=40&md5=1a6ffbfe0756bda7b1334c7652e4523c
Angular analysis of the decay B+ → K∗(892)+ μ + μ − in proton-proton collisions at √s = 8 TeV	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dra	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104793091&doi=10.1007%2fJHEP04%282021%29124&partnerID=40&md5=4f3e44414c2b3eaa6025c12c4dd1d0ec
Measurement of differential cross sections for Z bosons produced in association with charm jets in pp collisions at √s = 13 TeV	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dra	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104645963&doi=10.1007%2fJHEP04%282021%29109&partnerID=40&md5=b83389e0707da34514eb99007b29a725
Search for supersymmetry in final states with two oppositely charged same-flavor leptons and missing transverse momentum in proton-proton collisions at √s = 13 TeV	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dra	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104598616&doi=10.1007%2fJHEP04%282021%29123&partnerID=40&md5=4fae0a7956d1348e3fab02f4c2fa8bf2
Erratum to: Search for dark matter produced in association with a leptonically decaying Z boson in proton–proton collisions at s = 13 Te (The European Physical Journal C, (2021), 81, 1, (13),	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dra	Physical Sciences	European Physical Journal C	2021	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104596135&doi=10.1140%2fepjc%2fs10052-021-08959-3&partnerID=40&md5=cff35ecfccfc579d5e772cdbb811c5cb
Development and validation of HERWIG 7 tunes from CMS underlying-event measurements	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Berg	Physical Sciences	European Physical Journal C	2021	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104366975&doi=10.1140%2fepjc%2fs10052-021-08949-5&partnerID=40&md5=fb946ed0183b5705881f2e96e6f8421f
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Response of green mussels (Perna viridis) subjected to chlorination: investigations by valve movement monitoring	Venkatnarayanan S., Murthy P.S., Kirubagaran R., Veerai	Life Sciences	Environmental Monitoring and Assessment	2021	0167-6369	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102918291&doi=10.1007%2fs10661-021-09008-y&partnerID=40&md5=75f15981e480f6f2590445f124aef96f
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Magnetic CoFe2O4/Graphene oxide nanocomposite for highly efficient separation of f-block elements	Gupta N.K., Viltres H., López Y.C., Salunkhe G., Sengupta	Chemical Sciences	Surfaces and Interfaces	2021	2468-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099363865&doi=10.1016%2fj.surfin.2020.100916&partnerID=40&md5=c85064579eb265fc6aa4cec5bdd01ba6
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Evidence of improved tolerance to electronic excitation in nanostructured Nd2Zr2O7	Sharma S.K., Grover V., Shukla R., Hussain A., Mishra A.,	Chemical Sciences	Journal of Applied Physics	2021	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102879053&doi=10.1063%2f5.0039390&partnerID=40&md5=fc4ef201cec3199b06f0f8df457e14fd
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Measurement of differential t t ¯ production cross sections using top quarks at large transverse momenta in pp collisions at s =13 TeV MEASUREMENT of DIFFERENTIAL t t ¯ ... SIRUNYAN A. M.	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Berg	Physical Sciences	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103759080&doi=10.1103%2fPhysRevD.103.052008&partnerID=40&md5=1051b780c2e19331c5823a3f0bf93b1e
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Reversal of charge transfer direction at gold/copper phthalocyanine film interface on post deposition annealing: A vibrational spectroscopic study	Padma N., Thomas S., Betty C.A., Rao R., Gupta N., Girija	Physical Sciences	Applied Surface Science	2021	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098465501&doi=10.1016%2fj.apsusc.2020.148743&partnerID=40&md5=2ec0ddaa2dea9074b57d0ab23dfcfcc1
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Effect of structural variation on tumor targeting efficacy of cationically charged porphyrin derivatives: Comparative in-vitro and in-vivo evaluation for possible potential in PET and PDT	Guleria M., Suman S.K., Mitra J.B., Shelar S.B., Amirdhan	Chemical Sciences	European Journal of Medicinal Chemistry	2021	0223-5234	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099817577&doi=10.1016%2fj.ejmech.2021.113184&partnerID=40&md5=e6340921fc128bc057bb67a044016dff
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Highly efficient actinide(III)/lanthanide(III) separation by novel pillar[5]arene-based picolinamide ligands: A study on synthesis, solvent extraction and complexation	Cai Y., Ansari S.A., Fu K., Zhu B., Ma H., Chen L., Conrads	Chemical Sciences	Journal of Hazardous Materials	2021	0304-3894	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094557025&doi=10.1016%2fj.jhazmat.2020.124214&partnerID=40&md5=0aecc5f71a9a19d8289be324fa3067fc
Mechanistic Insights for Photoelectrochemical Ethanol Oxidation on Black Gold Decorated Monoclinic Zirconia	Wadhwa R., Yadav K.K., Goswami T., Ankush, Guchhait S	Chemical Sciences	ACS Applied Materials and Interfaces	2021	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102478962&doi=10.1021%2facsami.0c21010&partnerID=40&md5=3d59a0168d114b77d11b193fa27c2ecd
Low-dose, low-specific activity 131 I-metaiodobenzyl guanidine therapy in metastatic pheochromocytoma/sympathetic paraganglioma: Single-center experience from Western India	Barnabas R., Jaiswal S., Memon S., Sarathi V., Malhotra	Medical and Health Sciences	Indian Journal of Endocrinology and Metabolism	2021	2230-8210	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115175048&doi=10.4103%2fijem.IJEM_52_21&partnerID=40&md5=0e43618864c6f27e4b676af97606f10a
Search for nonresonant Higgs boson pair production in final states with two bottom quarks and two photons in proton-proton collisions at √s = 13 TeV	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dra	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104250522&doi=10.1007%2fJHEP03%282021%29257&partnerID=40&md5=ca1d30519547a83bff7b34a1d0f2d287
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High Charge-Storage Performance of Morphologically Modified Anatase TiO2: Experimental and Theoretical Insight	Maharana B., Ratha S., Shajahan A.S., Chakraborty B., Jh	Physical Sciences	Physical Review Applied	2021	2331-7019	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103470238&doi=10.1103%2fPhysRevApplied.15.034013&partnerID=40&md5=84397e9c94a4de97debaf2743a7367b6
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Measurement of the inclusive and differential Higgs boson production cross sections in the leptonic WW decay mode at √s = 13 TeV	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Berg	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103348664&doi=10.1007%2fJHEP03%282021%29003&partnerID=40&md5=b4921eb9ba74d6988c96f6ab0b5b34f5
Fluorescence coupling to internal modes of 1D photonic crystals characterized by back focal plane imaging	Choudhury S.D., Xiang Y., Zhang D., Descrovi E., Badugu	Chemical Sciences	Journal of Optics (United Kingdom)	2021	2040-8978	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103193845&doi=10.1088%2f2040-8986%2fabd986&partnerID=40&md5=048e6d3496a917daa2f6602742dc56cb
On the Separation of Yttrium-90 from High-Level Liquid Waste: Purification to Clinical-Grade Radiochemical Precursor, Clinical Translation in Formulation of 90Y-DOTATATE Patient Dose	Mitra A., Chakraborty A., Gaikwad S., Tawate M., Upadh	Medical and Health Sciences	Cancer Biotherapy and Radiopharmaceuticals	2021	1084-9785	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103044598&doi=10.1089%2fcbr.2020.4092&partnerID=40&md5=fc0d3677183b78a1b9117d46d2610a16
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Deep eutectic solvent-based extraction of uranium(VI) from a wide range acidity and subsequent determination by direct loading in thermal ionization mass spectrometry	Shah R.V., Pandey A.K., Sasi Bhushan K., Jagadish Kumar	Chemical Sciences	Journal of Analytical Atomic Spectrometry	2021	0267-9477	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102888622&doi=10.1039%2fd0ja00434k&partnerID=40&md5=d3669d6a942c392923b400fb52b5c0b6
Standardization of an external (in air) PIGE methodology using tantalum as a current normalizer in conjunction with INAA for rapid and non-destructive chemical characterization of "as-	Sharma V., Acharya R., Bagla H.K., Pujari P.K.	Chemical Sciences	Journal of Analytical Atomic Spectrometry	2021	0267-9477	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102868552&doi=10.1039%2fd0ja00482k&partnerID=40&md5=c7da6d2b1cf3d1aec368c8297d54d165
Poorly Differentiated Neuroendocrine Carcinoma of the Parotid Gland and Moderately Differentiated Hepatic Metastases: A Discordant Histopathology Clarified by Dual-Tracer PET/CT	Sharma P., Basu S.	Medical and Health Sciences	Journal of Nuclear Medicine Technology	2021	0091-4916	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102601610&doi=10.2967%2fjnmt.120.251587&partnerID=40&md5=14a0c789dcd77b611c123d7ea3e0c009
Search for new physics in top quark production with additional leptons in proton-proton collisions at √s = 13 TeV using effective field theory	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dra	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102423402&doi=10.1007%2fJHEP03%282021%29095&partnerID=40&md5=4c4dd18dc9f0621c0ac65c212c49da96
Particle-in-cell simulation studies of electron and ion dynamics in positive polarity rod-pinch diode	Menon K. R., Chandra R., Roy A., Joshi K.D., Sharma A.	Physical Sciences	IEEE Transactions on Plasma Science	2021	0093-3813	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102277736&doi=10.1109%2fTPS.2021.3060159&partnerID=40&md5=34c83cc43d8ca8a220ec43f4e4b668c1
Effect of germanium auto-diffusion on the bond lengths of Ga and P atoms in GaP/Ge(111) investigated by using X-ray absorption spectroscopy	Roychowdhury R., Rajput P., Kumar S., Kumar R., Bose A	Physical Sciences	Journal of Synchrotron Radiation	2021	0909-0495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102226759&doi=10.1107%2fS160057752001629X&partnerID=40&md5=f91d1992649bf91997da0b3119fc7e47
Monte Carlo calculation of Spencer-Attix and Bragg-Gray stopping-power ratios of tissue-to-air for ISO reference beta sources - An EGSnrc study	Palani Selvam T., Shrivastava V., Bakshi A.K.	Physical Sciences	Journal of Instrumentation	2021	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102202212&doi=10.1088%2f1748-0221%2f16%2f03%2fP03006&partnerID=40&md5=312972fe3e8ce37d1230bbac81b4a4e4
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Search for dark photons in Higgs boson production via vector boson fusion in proton-proton collisions at √s = 13 TeV	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dra	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102170898&doi=10.1007%2fJHEP03%282021%29011&partnerID=40&md5=9c6fb879a51e2b5c5a5e4ed42bd5972b
Comparison of microstructure and mechanical performance of laser and electron beam welded Ti6Al4V alloy	Chowdhury S., Yadaiah N., Murlidhar M., Kumar D.A., Pa	Engineering Sciences	Journal of the Brazilian Society of Mechanical Sciences and En	2021	1678-5878	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102047997&doi=10.1007%2fs40430-021-02903-y&partnerID=40&md5=f9b4d96287143e6a3197c8baae0ec247
Trichoderma virens Bys1 may competitively inhibit its own effector protein Alt a 1 to stabilize the symbiotic relationship with plant-evidence from docking and simulation studies	Kumar R., Mukherjee P.K.	Life Sciences	3 Biotech	2021	2190-572X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101783769&doi=10.1007%2fs13205-021-02652-8&partnerID=40&md5=fa2c3300c75a034cac5e48a211f75294
Structural, magnetic, dielectric and 57Fe Mössbauer spectroscopic studies on Fe 1-xCe xVO 4 : a type-II multiferroic material	Bera G., Surampalli A., Mal P., Reddy V.R., Kumar K., Sag	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101722296&doi=10.1007%2fs10854-021-05453-0&partnerID=40&md5=839b8c2490a7d938bb45960c225890fc
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Electrochemical performance of SnO2 rods and SnO2/rGO, SnO2/MWCNTs composite materials as an anode for lithium-ion battery application-A comparative study	Jena P., Naresh N., Satyanarayana N., Patro P.K., Biswal	Chemical Sciences	Journal of Materials Science: Materials in Electronics	2021	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101118572&doi=10.1007%2fs10854-021-05478-5&partnerID=40&md5=06521d48a61904956bba48363a19d950
Time-resolved raman spectroscopy of hexafluorobenzene (C6F6) under laser-driven shock compression	Mohan A., Chaurasia S., Rao U., Pasley J.	Physical Sciences	Journal of Quantitative Spectroscopy and Radiative Transfer	2021	0022-4073	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100642793&doi=10.1016%2fj.jqsrt.2021.107547&partnerID=40&md5=f545d519478dc7df8ef5ece03ed170be
Separation of no-carrier-added 195,195m,197mHg from proton irradiated Au target by TK200 and DGA-N resins	Choudhury D., Lahiri S., Nag T.N., Sodaye S., Bombard A	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100448929&doi=10.1007%2fs10967-021-07610-5&partnerID=40&md5=f0bbd0d1e2dc006d1caec26413e0b4a2
Extraction of tetra- And hexavalent actinide ions from nitric acid solutions using some diglycolamide functionalized calix[4]arenes	Gujar R.B., Verma P.K., Mohapatra P.K., Iqbal M., Husker	Chemical Sciences	Radiochimica Acta	2021	0033-8230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100055899&doi=10.1515%2fract-2020-0100&partnerID=40&md5=2da5cbb07a37dc9e0062df89824b7fd8
The polybasic insert, the RBD of the SARS-CoV-2 spike protein, and the feline coronavirus – evolved or yet to evolve	Budhraja A., Pandey S., Kannan S., Verma C.S., Venkatra	Life Sciences	Biochemistry and Biophysics Reports	2021	2405-5808	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100054151&doi=10.1016%2fj.bbrep.2021.100907&partnerID=40&md5=3bb1765137925fbb4d98523144743754
Comparative study on aqueous acid free UO2 dissolution-extraction using DHOA adduct into room temperature ionic liquid/supercritical carbon dioxide/n-hexane	Rao A.	Chemical Sciences	Radiochimica Acta	2021	0033-8230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100036588&doi=10.1515%2fract-2020-0072&partnerID=40&md5=7faafa20b95073db433d07ba2e4b7286
Effect of Austenitization-Cooling on Microstructure and Localized Corrosion Behavior of 13Cr Martensitic Stainless Steel	Bonagani S.K., Kain V., Naveen Kumar N., Donthula H.	Engineering Sciences	Journal of Materials Engineering and Performance	2021	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099990774&doi=10.1007%2fs11665-021-05460-6&partnerID=40&md5=472e28abcf7b2fb0c9db87ee74c3cd65
Applications of single-drop microextraction in analytical chemistry: A review	Kailasa S.K., Koduru J.R., Park T.J., Singhal R.K., Wu H.-F.	Chemical Sciences	Trends in Environmental Analytical Chemistry	2021	2214-1588	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099835320&doi=10.1016%2fj.teac.2020.e00113&partnerID=40&md5=217088a27d0ce556f6ec76930bc52410
Ion beam engineered hydrogen titanate nanotubes for superior energy storage application	Das P., Das S., Ratha S., Chakraborty B., Chatterjee S.	Physical Sciences	Electrochimica Acta	2021	0013-4686	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099812698&doi=10.1016%2fj.electacta.2021.137774&partnerID=40&md5=8267a8eeb81bf17e2f9a4977ebe88c15
Investigation of soft X-ray optical properties and their correlation with structural characteristics of zirconium oxide thin films	Sinha M., Singh A., Gupta R., Yadav A.K., Modi M.H.	Physical Sciences	Thin Solid Films	2021	0040-6090	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099790410&doi=10.1016%2fj.tsf.2021.138552&partnerID=40&md5=f73b2f9800f95d00e7224c409233fb38
Quantitative evaluation of spinodal decomposition in thermally aged binary Fe-35 at.% Cr alloys by correlative atom probe tomography and small angle neutron scattering analyses	Sarkar S.K., Shinde D., Das A., Ray D., Sen D., Biswas A.	Physical Sciences	Materialia	2021	2589-1529	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099497156&doi=10.1016%2fj.mtla.2021.101014&partnerID=40&md5=f312712d1f1c1ecbb81ffe334696bf2a
MHD effects of partition plates on thermofluid performance of Indian variant LLCB TBM for ITER	Swain P.K., Rawat R.S., Mukherjee K., Kumar S., Rai P.K.,	Physical Sciences	Fusion Engineering and Design	2021	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098982553&doi=10.1016%2fj.fusengdes.2020.112193&partnerID=40&md5=8e632a7a7184c115243374df6961ba1f
Adsorption control of Xe and Kr in SBMOF-2 metal-organic framework by ligand functionalization and different metal atoms	Vazhappilly T., Ghanty T.K.	Chemical Sciences	Computational Materials Science	2021	0927-0256	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098978217&doi=10.1016%2fj.commatsci.2020.110264&partnerID=40&md5=8b8f34ac0c0f65a50d1f880acefefedc
Identification of chemical surrounding and type of vacancy defects in the damaged region of ion irradiated Ni–Cr alloy	Sharma S.K., Saini S., Srivastava A.P., Pujari P.K.	Chemical Sciences	Materialia	2021	2589-1529	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098951897&doi=10.1016%2fj.mtla.2021.100999&partnerID=40&md5=cdf58d84d236fd96f75c4542da3d2278
Neptunium – Tri-n-butyl phosphate complexes in room temperature ionic liquids: Extraction and spectroelectrochemical studies	Verma P.K., Mahanty B., Gujar R.B., Mohapatra P.K.	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098792699&doi=10.1016%2fj.molliq.2020.115144&partnerID=40&md5=5a58346be17ee818b4f9ba4e67401ca7
SLES/CMEA mixed surfactant system: Effect of electrolyte on interfacial behavior and microstructures in aqueous media	Pandya N., Rajput G., Janni D.S., Subramanyam G., Ray D	Physical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098731200&doi=10.1016%2fj.molliq.2020.115096&partnerID=40&md5=22f7d177885f7c29a674cc0276b0cb34
A dual intensity and lifetime based fluorescence sensor for perrhenate anion	Singh G., Pandey S.P., Singh P.K.	Chemical Sciences	Sensors and Actuators, B: Chemical	2021	0925-4005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098670761&doi=10.1016%2fj.snb.2020.129346&partnerID=40&md5=093926191e4df783293b90c29eee38c0
A Reusable Column Method Using Glycopolymer-Functionalized Resins for Capture–Detection of Proteins and Escherichia coli	Ajish J.K., Abraham H.M., Subramanian M., Kumar K.S.A.	Chemical Sciences	Macromolecular Bioscience	2021	1616-5187	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097773104&doi=10.1002%2fmabi.202000342&partnerID=40&md5=e9176fcd08de768e44e6799292df0a5c
Regularized Particle Filter based algorithm for the state estimation of orphan gamma source in real time using a backpack gamma spectrometry system	Silswal A., Jose J.R., Gupta A., Sharma M.K., Chaudhury I	Physical Sciences	Applied Radiation and Isotopes	2021	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097720359&doi=10.1016%2fj.apradiso.2020.109556&partnerID=40&md5=28b95a3b556be1969cfe530aec989641
Lattice dynamics in kesterite-type Cu2ZnSnS4: Inelastic neutron scattering studies and thermoelectric properties	Kandare S.P., Rao M.N., Dahiwale S.S., Rao R., Dhole S.D	Physical Sciences	Journal of Physics and Chemistry of Solids	2021	0022-3697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097458253&doi=10.1016%2fj.jpcs.2020.109819&partnerID=40&md5=7c2d62480f73e1afd7ccd29b5146deb6
Investigation of optical and spectroscopic properties of Nd co-doped Yb:YVO4 single crystals grown by OFZ method	Soharab M., Bhaumik I., Bhatt R., Saxena A., Khan S., Go	Physical Sciences	Journal of Luminescence	2021	0022-2313	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097351545&doi=10.1016%2fj.jlumin.2020.117736&partnerID=40&md5=ee64407febf797c70f4e79f87b4e182d
Facile one-pot synthesis of CuO nanosheet for application as electrocatalyst for methanol oxidation	Udayan A.P.M., Sawant S.N.	Chemical Sciences	Journal of Physics and Chemistry of Solids	2021	0022-3697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097337265&doi=10.1016%2fj.jpcs.2020.109883&partnerID=40&md5=a6123171eed4d87f6c664ac1a5f042ba
Experimentation for Sag and Dimension Measurement of Thin-Walled Tubes and Pipes Using Multi-Channel Ultrasonic Imaging System	Kumar N.P., Tarpara E.G., Patankar V.H.	Engineering Sciences	Journal of Nondestructive Evaluation	2021	0195-9298	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096874224&doi=10.1007%2fs10921-020-00726-w&partnerID=40&md5=30d36de56318dd38fc0c9a19a8bd5f0c
Phase transitions in benzene under dynamic and static compression	Rao U., Chaurasia S., Mishra A.K., Pasley J.	Physical Sciences	Journal of Raman Spectroscopy	2021	0377-0486	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096797620&doi=10.1002%2fjrs.6047&partnerID=40&md5=ff657f8ab822e9ace4a1bb010187cef6
Construction of Fe3O4@MXene composite nanofiltration membrane for heavy metal ions removal from wastewater	Yang X., Liu Y., Hu S., Yu F., He Z., Zeng G., Feng Z., Sengu	Chemical Sciences	Polymers for Advanced Technologies	2021	1042-7147	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096779540&doi=10.1002%2fpat.5148&partnerID=40&md5=d71afb5f25b53a48059a54f5bf0865ba
Orthorhombic phases in bulk pure HfO2: Experimental observation from perturbed angular correlation spectroscopy	Banerjee D., Sewak R., Dey C.C., Toprek D., Pujari P.K.	Chemical Sciences	Materials Today Communications	2021	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096596503&doi=10.1016%2fj.mtcomm.2020.101827&partnerID=40&md5=a802db1269d91b2f31420427244e5700
Bright and persistent green and red light-emitting fine fibers: A potential candidate for smart textiles	Barbosa R., Gupta S.K., Srivastava B.B., Villarreal A., De L	Chemical Sciences	Journal of Luminescence	2021	0022-2313	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096518104&doi=10.1016%2fj.jlumin.2020.117760&partnerID=40&md5=396336777a46e49c9efb743c3a688bec
Validation of CFD code FLUIDYN-MP for steam condensation at walls in presence of non-condensable gases	Gera B., Ganju S., Chattopadhyay J.	Engineering Sciences	Annals of Nuclear Energy	2021	0306-4549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096435673&doi=10.1016%2fj.anucene.2020.107992&partnerID=40&md5=a0b2561028dcb846d8a8f828f322896f
Magnesiothermic reduction kinetics of UF4	Agarwal R., Raina A., Gupta N.K.	Chemical Sciences	Journal of Thermal Analysis and Calorimetry	2021	1388-6150	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096300941&doi=10.1007%2fs10973-020-10359-w&partnerID=40&md5=b0790319af0c026c4dbc60faff3be590
A novel method based on 220Rn (thoron) exhalation rate of indoor surfaces for robust estimates of 220Rn concentration and equilibrium factor to compute inhalation dose	Kanse S.D., Sahoo B.K., Gaware J.J., Sapra B.K.	Physical Sciences	Chemosphere	2021	0045-6535	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096183043&doi=10.1016%2fj.chemosphere.2020.128908&partnerID=40&md5=8de41e99f464ac9739bb990b633ce679
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Investigating the various properties of cold sprayed CuAlNi shape memory alloys developed by post annealing process	Sekar S., Brown S., Cockburn A., Iyamperumal Anand P.,	Engineering Sciences	Proceedings of the Institution of Mechanical Engineers, Part B	2021	0954-4054	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095449527&doi=10.1177%2f0954405420967867&partnerID=40&md5=a7e7c09df2557c2ce639a3f01a46a830
Study of local structure around Bi in topological insulating materials (Bi1-xSbx)2Te3 using extended x-ray absorption fine structure technique	Urkude R.R., Jha S.N., Yadav A.K., Palikundwar U.A.	Physical Sciences	Journal of Physics and Chemistry of Solids	2021	0022-3697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094612845&doi=10.1016%2fj.jpcs.2020.109834&partnerID=40&md5=e6ccc24b38cf7b6b57879ef743725e08
Evaluation of Structural, Micro-structural, Vibrational and Elastic Properties of Ni–Cu–Zn Nanoferrites: Role of Dopant Cu2+ at Constant 0.1 mol% in Ni–Zn Spinel Structure	Ramakrishna K.S., Srinivas C., Prasad S.A.V., Kumar E.R.,	Physical Sciences	Journal of Inorganic and Organometallic Polymers and Materia	2021	1574-1443	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092419567&doi=10.1007%2fs10904-020-01773-6&partnerID=40&md5=7ad1b4c3fe8b3bdb0dc2c996062924ae
Long-term outcome of "Sandwich" chemo-PRRT: a novel treatment strategy for metastatic neuroendocrine tumors with both FDG- and SSTR-avid aggressive disease	Parghane R.V., Ostwal V., Ramaswamy A., Bhandare M.,	Medical and Health Sciences	European Journal of Nuclear Medicine and Molecular Imaging	2021	1619-7070	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090162553&doi=10.1007%2fs00259-020-05004-5&partnerID=40&md5=60d21ec75affdccabe84bef1a086801
Ion assisted near-complete filling of high aspect ratio trenches for 3-D neutron detectors	Kumar G., Karar P., Singh A., Topkar A., Patil D.S., Dusan	Engineering Sciences	Thin Solid Films	2021	0040-6090	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099482919&doi=10.1016%2fj.tsf.2021.138521&partnerID=40&md5=c6cd540f26c35f7c5c393634cabb46de
Seed Biopriming With Trichoderma Strains Isolated From Tree Bark Improves Plant Growth, Antioxidative Defense System in Rice and Enhance Straw Degradation Capacity	Swain H., Adak T., Mukherjee A.K., Sarangi S., Samal P., K	Life Sciences	Frontiers in Microbiology	2021	1664-302X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102461990&doi=10.3389%2ffmicb.2021.633881&partnerID=40&md5=2437bba4025f8afb0a969bd6c3bf2cef
Synthesis of Bioactive Diarylheptanoids from Alpinia officinarum and Their Mechanism of Action for Anticancer Properties in Breast Cancer Cells	Gamre S., Tyagi M., Chatterjee S., Patro B.S., Chattopadl	Life Sciences	Journal of Natural Products	2021	0163-3864	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101380550&doi=10.1021%2facs.jnatprod.0c01012&partnerID=40&md5=ebb598af76f5749c2f9c1eac01bb3d4c
Two-dimensional tungsten oxide/selenium nanocomposite fabricated for flexible supercapacitors with higher operational voltage and their charge storage mechanism	Barik R., Yadav A.K., Jha S.N., Bhattacharyya D., Ingole P.	Physical Sciences	ACS Applied Materials and Interfaces	2021	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101817531&doi=10.1021%2facsami.0c15818&partnerID=40&md5=21f9b7cd0ca93f18404bc82559e08d6f
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B-Site Stoichiometry Control of the Magnetotransport Properties of Epitaxial Sr2FeMoO6 Thin Film	Kumar N., Gupta R., Kaur R., Oka D., Kakkar S., Kumar S.,	Physical Sciences	ACS Applied Electronic Materials	2021	2637-6113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101750661&doi=10.1021%2facsaelm.0c00933&partnerID=40&md5=2a03ca600ff6a1c87398d6b0d518cd94
Hydration influences on the phase heterogeneity of segmented copolymers	Edatholath S.S., Chandan M.R., Aswal V.K., Rath S.K., Ha	Physical Sciences	Soft Matter	2021	1744-683X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101659803&doi=10.1039%2fd0sm01287d&partnerID=40&md5=5e11b79f3201336867d79cc2f26379a5
Delineating synchronized control of dynamic covalent and non-covalent interactions for polymer chain collapse towards cargo localization and delivery	Joseph J.P., Miglani C., Bhatt A., Ray D., Singh A., Gupta	Physical Sciences	Polymer Chemistry	2021	1759-9954	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101350375&doi=10.1039%2fd0py01551b&partnerID=40&md5=6db94a468cecde6899b9f5cd45b2bb88
A versatile multi-hit, multi-channel Vernier time-to-digital converter ASIC	Hari Prasad K., Chandratre V.B., Sukhwani M.	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Sectior	2021	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099243733&doi=10.1016%2fj.nima.2020.164997&partnerID=40&md5=442b57048286b07b36bfe4f85ae22a06
An insight into the effect of g-C3N4 support on the enhanced performance of ZnS nanoparticles as anode material for lithium-ion and sodium-ion batteries	Pathak D.D., Dutta D.P., Ravuri B.R., Ballal A., Joshi A.C.,	Chemical Sciences	Electrochimica Acta	2021	0013-4686	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099469368&doi=10.1016%2fj.electacta.2021.137715&partnerID=40&md5=b5d7a2eba4f43cd9df2991ca4e78df36
Highly efficient europium(III) uptake with an extraction chromatographic resin containing a unique multiple diglycolamide ligand with a tetraaza-12-crown-4 scaffold	Banerjee P., Ansari S.A., Mohapatra P.K., Egberink R.J.M	Chemical Sciences	Industrial and Engineering Chemistry Research	2021	0888-5885	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101050706&doi=10.1021%2facs.iecr.1c00186&partnerID=40&md5=e49214061f6d3a2ab30d96539ccecec6
Solid-Supported Amplification of Aggregation Emission: A Tetraphenylethylene-Cucurbit[6]uril@Hydroxyapatite-Based Supramolecular Sensing Assembly for the Detection of	Naik V.G., Kumar V., Bhasikuttan A.C., Kadu K., Ramanar	Chemical Sciences	ACS Applied Bio Materials	2021	2576-6422	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100307057&doi=10.1021%2facsabm.0c01527&partnerID=40&md5=44f4dbb806fb4fc7b4a5f76e5bd6b19d
Pre-clinical evaluation of an innovative oral nano-formulation of baicalein for modulation of radiation responses	Joshi H.A., Patwardhan R.S., Sharma D., Sandur S.K., Dev	Life Sciences	International Journal of Pharmaceutics	2021	0378-5173	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099264192&doi=10.1016%2fj.ijpharm.2020.120181&partnerID=40&md5=4ebcc886a1f7beea922babd1c3342ca2
Exploring novel functionality for efficient extraction of UO22+ and Th4+in ionic liquid: Mechanism, speciation, selectivity, stability and stripping	Pandey A., Salunkhe G., Kathirvelu V., Singh K.S., Sengup	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097868941&doi=10.1016%2fj.molliq.2020.114716&partnerID=40&md5=817945b2f25b5bb7383975ca0be6c43a
Ultrasensitive yttrium modified tin oxide thin film based sub-ppb level NO2 detector	Sohal M.K., Mahajan A., Gasso S., Bedi R.K., Singh R.C., D	Physical Sciences	Sensors and Actuators, B: Chemical	2021	0925-4005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097531069&doi=10.1016%2fj.snb.2020.129169&partnerID=40&md5=7a14b0a22e87781e0bbfd19a8345b3a9
Evolution of crystal structure of PbMoO4 between 5 and 300 K: A low temperature powder neutron diffraction study	Achary S.N., Patwe S.J., Vishwanath A., Wajhal S., Krishn	Chemical Sciences	Materials Chemistry and Physics	2021	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097339646&doi=10.1016%2fj.matchemphys.2020.124111&partnerID=40&md5=2eebcd3ed22465b1d593b2cd0616ba20
Enhanced antimicrobial photodynamic activity of photosensitizer encapsulated copper based metallocatanionic vesicles against E.coli using visible light	Kaur G., Berwal K., Sharma B., Chaudhary G.R., Gawali S	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096184728&doi=10.1016%2fj.molliq.2020.114688&partnerID=40&md5=c1c3bcc09098f6a591fe24b436c708fa
Experimental investigation on Laser Directed Energy Deposition based additive manufacturing of Al2O3 bulk structures	Mishra G.K., Paul C.P., Rai A.K., Agrawal A.K., Rai S.K., Bi	Physical Sciences	Ceramics International	2021	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094568507&doi=10.1016%2fj.ceramint.2020.10.157&partnerID=40&md5=34b26b482ef52533580ea9ccb3f1250e
Supercritical carbon dioxide and eutectic solvent in conjunction: Novel method for in-situ solvent preparation-dissolution and uranium extraction from solid matrices	Rao A., Srivastava A.	Chemical Sciences	Separation and Purification Technology	2021	1383-5866	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094104648&doi=10.1016%2fj.seppur.2020.117950&partnerID=40&md5=d77f28f8af37843e886ff554a6cf7631
Enhanced NO2 and SO2 sensor response under ambient conditions by polyol synthesized Ni doped SnO2 nanoparticles	Das S., Girija K.G., Debnath A.K., Vatsa R.K.	Physical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091667616&doi=10.1016%2fj.jallcom.2020.157276&partnerID=40&md5=3a8d540a0a700eac9c39818dfb7239ce
Thermodynamic stability of Li3ThF7(cr) and LiTh4F17(cr)	Dawar R., Phapale S., Babu P.D., Mishra R.	Chemical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091580365&doi=10.1016%2fj.jallcom.2020.157112&partnerID=40&md5=fb4c0fcf54bf43b602110588941f7f2b
End-substituted thiahelicenes for electronic device applications	Kumar R., Maity D.K.	Chemical Sciences	International Journal of Quantum Chemistry	2021	0020-7608	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090314305&doi=10.1002%2fqua.26450&partnerID=40&md5=5e25fa73d04eb6538e81f9c0a8458631
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Structural properties and luminescence dynamics of CaZrO3:Eu3+phosphors	Kunti A.K., Patra N., Harris R.A., Sharma S.K., Bhattachar	Physical Sciences	Inorganic Chemistry Frontiers	2021	2052-1553	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100712163&doi=10.1039%2d0qi01178a&partnerID=40&md5=f990199e68073d8a1b0ed90933bc3fa4
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Development of semiempirical equation of state of binary functionally graded materials and its influence on generation of ramp compression: Comparison with bilayer graded density impactors	Ray A., Singla A.	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100657790&doi=10.1103%2fPhysRevB.103.054301&partnerID=40&md5=7b0992c95998265945e8e329ba389b1e
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Determination of Lanthanides in Coal Fly Ash; Sediment and Monazite Sand by Inductively Coupled Plasma Optical Emission Spectrometry After Separation Using Oxalate form of Ion-	Gumma Venkateswarlu, Mamatha P.R., Thangavel S., Sa	Chemical Sciences	Journal of Analytical Chemistry	2021	1061-9348	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101517218&doi=10.1134%2fS1061934821020155&partnerID=40&md5=685ab457dffc76a9db22e8f66ae f0bcb
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Synthesis and characterization of Chitosan-sodium titanate nanocomposite beads for separation of radionuclides from aqueous radioactive waste	Kamble P., Sinharoy P., Pahan S., Neogy S., Ananthanar	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099910212&doi=10.1007%2fs10967-020-07548-0&partnerID=40&md5=eb723fd97ab7e4bd2791b9e37709876
Analysis of auto gamma images of plutonium bearing fuels: a comparative study of experimental and simulation methods	Vrinda Devi K.V., Ramkumar J., Biju K., Sathe D.B.	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099756641&doi=10.1007%2fs10967-020-07361-3&partnerID=40&md5=25ed7fb59307cf671f13e2cf756e786b4
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Design strategies and evolving role of biomaterial assisted treatment of osteosarcoma	Quadros M., Momin M., Verma G.	Chemical Sciences	Materials Science and Engineering B	2021	0928-4931	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099497841&doi=10.1016%2fj.mseb.2021.115875&partnerID=40&md5=a276f885777cb5f51f1aab14d434e555
Effect of hydrogen isotopes on tensile and fracture properties of Zr–2.5Nb pressure tube material	Bind A.K., Singh R.N.	Engineering Sciences	International Journal of Fracture	2021	0376-9429	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099264096&doi=10.1007%2fs10704-020-00506-7&partnerID=40&md5=2db0b783b3b755ec1b463b114b04bc8b
Open-Cell Nickel Alloy Foam–Natural Rubber Hybrid: Compression Energy Absorption Behavior Analysis and Experiment	Chaturvedi A., Gupta M.K., Chaturvedi S.	Engineering Sciences	Journal of Materials Engineering and Performance	2021	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098185183&doi=10.1007%2fs11665-020-05435-z&partnerID=40&md5=5f2b324270eab23315a9636dda037fca
Pressure-induced site swapping, luminescence quenching, and color tunability of Gd2HfZO7:Eu3+ nanoparticles	Gupta S.K., Abdou H., Mao Y.	Chemical Sciences	Optical Materials	2021	0925-3467	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088860196&doi=10.1016%2fj.optmat.2020.110789&partnerID=40&md5=b02276ccfc9a240ce57cd87eed7e1dbc
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Heat Transfer and Materials Flow Modeling of FSW for CuCrZr Alloy Using Experimentally Determined Thermo-Physical Properties	Jha K., Sahlot P., Singh A.K., Kumar S., Arora A., Singh R.N	Engineering Sciences	Metallurgical and Materials Transactions A: Physical Metallurg	2021	1073-5623	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098522649&doi=10.1007%2fs11661-020-06107-2&partnerID=40&md5=ca1005555fa0fb8ba2a03a57c2ba45
Investigation of interfacial charge transfer kinetics of photocharged Co-Bi modified BiVO4 using scanning electrochemical microscopy (SECM)	Kumar S., Satpati A.K.	Chemical Sciences	Electrochimica Acta	2021	0013-4686	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098455783&doi=10.1016%2fj.electacta.2020.137565&partnerID=40&md5=930366383819d6926d03832396ef1a
Effect of alkyl chain length on the extraction properties of U and Th using novel CmnimNTf2/isophthalamide systems	Pandey A., Hashmi S., Kathirvelu V., Singh K.S., Sengupta	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097873749&doi=10.1016%2fj.molliq.2020.114944&partnerID=40&md5=7f68855c2570e1366ee196b2fb9b2722
Surface modification of zinc oxide nanoparticles by vinyltriethoxy silane (VTES)	Khurana N., Arora P., Pente A.S., Pandholi K.C., Kumar V.	Chemical Sciences	Inorganic Chemistry Communications	2021	1387-7003	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097738680&doi=10.1016%2fj.inoche.2020.108347&partnerID=40&md5=8999b3d55ead887fc1f66f94565e7e4920
Studies of temporal characteristics of all-solid-state, gain-switched Cr:forsterite laser	Sahoo S.P., Pradhan S., Mukherjee J., Rawat V.S.	Physical Sciences	Optik	2021	0030-4026	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097243705&doi=10.1016%2fj.ijleo.2020.166024&partnerID=40&md5=990eb546f476dcd7dc6c341a51365880
Effect of radial hydride on room temperature fracture toughness of Zr–2.5Nb pressure tube material	Gopalan A., Bind A.K., Sunil S., Murty T.N., Sharma R.K.,	Engineering Sciences	Journal of Nuclear Materials	2021	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096882784&doi=10.1016%2fj.jnucmat.2020.152681&partnerID=40&md5=d094c3583df12b4e57997ef6d05776
Selective separation of Cu from large excess of Zn using a microfluidic platform	Sen N., Chakravarty R., Singh K.K., Chakraborty S., Shend	Engineering Sciences	Chemical Engineering and Processing - Process Intensification	2021	0255-2701	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096825897&doi=10.1016%2fj.cep.2020.108215&partnerID=40&md5=e581d471e48b7b6b963039e55e3e404c
Process development for the separation of niobium and tantalum from fluoride medium using trioctyl amine and application of Taguchi's method to optimize solvent extraction parameters	Dutta S., Mukhopadhyay S., Gaddam S., Shenoy K.T., Mi	Engineering Sciences	Hydrometallurgy	2021	0304-386X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096356003&doi=10.1016%2fj.hydromet.2020.105523&partnerID=40&md5=9053f9084c7367ac4684502026ce3a643
Investigation of hydrogen diffusivity in Zr–2.5Nb alloy pressure tube material using Metallography and Neutron Radiography	Shukla S., Singh P., Roy T., Kashyap Y.S., Shukla M., Singh	Physical Sciences	Journal of Nuclear Materials	2021	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096484956&doi=10.1016%2fj.jnucmat.2020.152679&partnerID=40&md5=0d930317e62d2b081d82412be235e611
Development of technetium-99m labeled ultrafine gold nanobioconjugates for targeted imaging of folate receptor positive cancers	Kumar D., Sakhare N., Das S., Kale P., Mathur A., Mirapu	Life Sciences	Nuclear Medicine and Biology	2021	0969-8051	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096231992&doi=10.1016%2fj.nucmedbio.2020.11.001&partnerID=40&md5=77f7b7c915ccf017e2949fee99bc75
Unidirectional crystal growth of L-alanine doped triglycine sulphate crystals along [010] polar direction in ferroelectric and paraelectric temperature ranges, and their comparative	Pandian M.S., Verma S., Karuppasamy P., Ramasamy P.,	Physical Sciences	Materials Research Bulletin	2021	0025-5408	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096217841&doi=10.1016%2fj.materresbull.2020.111118&partnerID=40&md5=bfed4e006e4398513869e8c9642f02e72
Investigating defect evolution during thermal treatment in Ni–Cr alloy using positron annihilation spectroscopy	Maheshwari P., Keskar N., Sudarshan K., Manikrishna K	Chemical Sciences	Journal of Materials Science	2021	0022-2461	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092789565&doi=10.1007%2fs10853-020-05465-z&partnerID=40&md5=68ba51bfe9f3047697438f5f5f4940c3
Thermally tunable terahertz omnidirectional photonic bandgap and defect mode in 1D photonic crystals containing moderately doped semiconductor	Jena S., Tokas R.B., Thakur S., Udupa D.V.	Physical Sciences	Physica E: Low-Dimensional Systems and Nanostructures	2021	1386-9477	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092450617&doi=10.1016%2fj.physe.2020.114477&partnerID=40&md5=9bccbd61aef00f2ad20d0d55730d9703
Mesoporous electroactive silver doped calcium borosilicates: Structural, antibacterial and myogenic potential relationship of improved bio-ceramics	Kumar A., Mittal A., Das A., Sen D., Mariappan C.R.	Physical Sciences	Ceramics International	2021	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092012174&doi=10.1016%2fj.ceramint.2020.09.207&partnerID=40&md5=204bd8cae6fe01fbeac2f63de7fc6
Correlating Role of Substrate and Modified Physical Properties of (Bi0.5Lu0.5FeO3)1-x-(Ba0.75Ab.3TiO3)x (x = 0, 0.5) Thin Films	Vansutre S., Radha S., Prajapat C.L., Verma A., Bhatt H.,	Physical Sciences	Journal of Superconductivity and Novel Magnetism	2021	1557-1939	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091154387&doi=10.1007%2fs10948-020-05673-1&partnerID=40&md5=d26b6b844808d88d41193ce9ad3b648e
MD simulation reveals differential binding of Cm(III) and Th(IV) with serum transferrin at acidic pH	Mishra L., Sundararajan M., Bandyopadhyay T.	Physical Sciences	Proteins: Structure, Function and Bioinformatics	2021	0887-3585	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090922806&doi=10.1002%2fprot.26006&partnerID=40&md5=f96bb12c69b9b56b9b9d2cdce7554e80d
Characterization and thermophysical properties of Zr0.8Nb0.2O1.9–MgO composite	Nandi C., Kaity S., Jain D., Grover V., Prakash A., Behera	Chemical Sciences	Nuclear Engineering and Technology	2021	1738-5733	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088976584&doi=10.1016%2fj.net.2020.07.022&partnerID=40&md5=1d9432182ce9e6dfa31bac164711ba14
Groundwater salinization processes: pitfalls of inferences from Na+/Cl- versus Cl- correlation plots	Keesari T., Dayji S.	Chemical Sciences	Environmental Geochemistry and Health	2021	0269-4042	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087042134&doi=10.1007%2fs10653-020-00622-2&partnerID=40&md5=7c50fef1229e2ce0f9dda4bc813b7cbe0
Studies on charging-up of single Gas Electron Multiplier	Kumar V., Tripathy S., Bhattacharya P., Mukhopadhyay T	Physical Sciences	Journal of Instrumentation	2021	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101711926&doi=10.1088%2f1748-0221%2f16%2f01%2fP01038&partnerID=40&md5=f2c86e575e595116e99c2edd2975d90e
Stabilization of uranyl(vi) by dipicolinic acid in aqueous medium	Agarwal R., Dumpala R.M.R., Sharma M.K., Yadav A.K., D	Chemical Sciences	Dalton Transactions	2021	1477-9226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099265608&doi=10.1039%2d0dt03961g&partnerID=40&md5=06ed14f1a8fc8ba1e51926b8e935b2
Recrystallization and structure-property correlation in V–Ti–Ta alloys	Jain U., Keskar N., Vishwanadh B., Krishna K.V.M., Gupta	Engineering Sciences	Materials Science and Engineering A	2021	0921-5093	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098962595&doi=10.1016%2fj.msea.2020.140648&partnerID=40&md5=8488c158e6b2ad3fcda59e3bdb717ae3
Influence of Ga4+ doping on photo- and electroluminescence properties of ZnGa2O4	Kamal C.S., Mishra R.K., Rao K.R., Vats B.G., Pimple M.V.	Chemical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091233078&doi=10.1016%2fj.jallcom.2020.156967&partnerID=40&md5=583f05f4822eaefbef39a7e09267f250
Smart YPO4:Er-Yb Nanophosphor for Optical Heating, Hyperthermia, Security Ink, Cancer Endoradiotherapy, and Uranyl Recovery	Soni A.K., Yadav K.K., Singh B.P., Joshi R., Chakraborty S.	Chemical Sciences	ACS Applied Nano Materials	2021	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085707079&doi=10.1021%2facsanm.0c03198&partnerID=40&md5=bd1d95902148584bd81d4d51924fb07d
Structural insights into SARS-CoV-2 proteins	Arya R., Kumari S., Pandey B., Mistry H., Bihani S.C., Das	Life Sciences	Journal of Molecular Biology	2021	0022-2836	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075546928&doi=10.1016%2fj.jmb.2020.11.024&partnerID=40&md5=4f2ad61fe2f35ea38ff8b8243bd5f4e09
Colloidal Ba2Ti3chalcogenide perovskite nanocrystals for thin film device fabrication	Ravi V.K., Yu S.H., Rajput P.K., Nayak C., Bhattacharyya D	Physical Sciences	Nanoscale	2021	2040-3364	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100231416&doi=10.1039%2fd0nr08078h&partnerID=40&md5=0f62301931597904387e8ab32349ef2e
Temperature dependent quantum cutting in cubic BaGdF5:Eu3+nanophosphors	Chouryal Y.N., Sharma R.K., Ivanovskikh K.V., Ishchenko	Chemical Sciences	New Journal of Chemistry	2021	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100042996&doi=10.1039%2fd0nj04110f&partnerID=40&md5=58bc15ea407412fa3d3c71da30d77e5
Development of Methodologies for the Chemical Quality Control of Zircon, A Precursor for Zirconium Production	Jayabun S., Sengupta A.	Chemical Sciences	ChemistrySelect	2021	2365-6549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096450728&doi=10.1002%2slct.202003464&partnerID=40&md5=9516e059cd6611d5d3e5d8faaafced3c
Super bright red upconversion in NaErF4:0.5%Tm@NaYF4:20%Yb nanoparticles for anti-counterfeit and bioimaging applications	Joshi R., Perala R.S., Shelar S.B., Ballal A., Singh B.P., Nin	Chemical Sciences	ACS Applied Materials and Interfaces	2021	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090410518&doi=10.1021%2facsami.0c21098&partnerID=40&md5=ba310b226198a8f3f707e2d45ae7c004
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High-pressure synthesis and thermodynamic stability of PdH2Se up to 8 GPa HIGH-PRESSURE SYNTHESIS and THERMODYNAMIC ... ZACHARY M. GIBALLE et al.	Geballe Z.M., Somayazulu M., Armanet N., Mishra A.K.,	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100297727&doi=10.1103%2fPhysRevB.103.024515&partnerID=40&md5=6100f0f2e5857976e2929c8cd37828bf
Adsorption of P3D3 Nanoaggregates on Graphene Oxide Nanosheets: Role of Electrostatic Forces in Improving Nanosheet Dispersion	Patil R., Ray D., Aswal V.K., Busuy C., Behadur P., Tiwari	Physical Sciences	Langmuir	2021	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100125968&doi=10.1021%2facs.langmuir.0c03206&partnerID=40&md5=2cdac9271c5ef75bc7e227b70f6d10de
High capacity reversible hydrogen storage in titanium doped 2D carbon allotrope V-graphene: Density Functional Theory investigations	Chakraborty B., Ray P., Garg N., Banerjee S.	Physical Sciences	International Journal of Hydrogen Energy	2021	0360-3199	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095957868&doi=10.1016%2fj.ijhydene.2020.10.161&partnerID=40&md5=dc160047a764655aac8b35d3b3e01cffd
PH-(Low)-Insertion Peptide-Assisted Detection and Diagnosis of Cancer Using Zinc Gallate-Based Persistent Luminescence Nanoparticles	Sharma K.S., Raju M. S., Goswami D., De A., Phadnis P.P.	Chemical Sciences	ACS Applied Bio Materials	2021	2576-6422	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100179881&doi=10.1021%2facsabm.0c01303&partnerID=40&md5=26f94364a555d6215b6be45238f2b90
On-route to dryout through sequential interfacial dynamics in annular flow boiling around temperature and heat flux controlled heater rod	Sihal L.D., Chandraker D.K., Ghosh S., Das A.K.	Engineering Sciences	Chemical Engineering Science	2021	0009-2509	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091023316&doi=10.1016%2fj.ces.2020.116014&partnerID=40&md5=cb5e27cd86ecabe90e255b791d0c0de4
Photoinduced electron transfer in host-guest interactions of lumichrome with p-sulfonatocalix[6]arene	Dutta Choudhury S., Mohanty J.	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098452527&doi=10.1016%2fj.molliq.2020.114955&partnerID=40&md5=9cdfd8faa6d63d3ea9af39ff95883fc9
Defect characterization of damaged region of carbon implanted alumina: Effect of ion fluence and annealing	Sharma S.K., Pujari P.K.	Chemical Sciences	Nuclear Instruments and Methods in Physics Research, Sectio	2021	0168-583X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097901837&doi=10.1016%2fj.nimb.2020.11.017&partnerID=40&md5=2c7df7ef8aeb7e8c28e2640900d8c5f1
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Mixed micelles of sodium perfluorooctanoate and imidazolium based ionic liquids in aqueous solution: A SANS and Tensiometric study	Paduala S., Patel V.I., Ray D., Aswal V.K., Bahadur P.	Physical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094615251&doi=10.1016%2fj.molliq.2020.114558&partnerID=40&md5=592bd25cbab5d42764dc6b01819777
Formation of an intermetallic GdCo2 alloy on controlled annealing of a Gd/Co multilayer	Basha M.A., Bhatt H., Kumar Y., Prajapat C.L., Gupta M.,	Physical Sciences	Materials Letters	2021	0167-577X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094316810&doi=10.1016%2fj.matlet.2020.128879&partnerID=40&md5=549d0e3138cce0e9bdad1d37471d9f7
Surface-induced dimerization of 2-thiazoline-2-thiol on silver and gold nanoparticles: A surface enhanced Raman scattering (SERS) and density functional theoretical (DFT) study	Chadha R., Das A., Kapoor S., Maiti N.	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093603488&doi=10.1016%2fj.molliq.2020.114536&partnerID=40&md5=867a59843bf0240ccff18ff0f6013cab
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Boron carbide thin films deposited by RF-PECVD and PLD technique: A comparative study based on structure, optical properties, and residual stress	Bute A., Jena S., Kedia S., Udupa D.V., Singh K., Bhattach	Physical Sciences	Materials Chemistry and Physics	2021	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092253350&doi=10.1016%2fj.matchemphys.2020.123860&partnerID=40&md5=736fe3dd0e43206bc5b72aefae38be75
Room temperature highly sensitive chlorine sensor based on reduced graphene oxide anchored with substituted copper phthalocyanine	Kumar S., Sharma A.K., Sohal M.K., Sharma D.P., Debnat	Physical Sciences	Sensors and Actuators, B: Chemical	2021	0925-4005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091794385&doi=10.1016%2fj.snb.2020.128525&partnerID=40&md5=b3cd1bde435212997174e727ebce4c
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Development of UHV pulsed laser deposition set-up for in-situ photoelectron spectroscopic study at ARPES beamline, Indus-1 synchrotron radiation source, India	Nand M., Kumar Y., Dwivedi A., Tripathi S., Babita, Chou	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Section	2021	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094149250&doi=10.1016%2Fj.nima.2020.164805&partnerID=40&md5=022ba0920fdd653c9d45f8b8887fdb97
Evidence for electroweak production of four charged leptons and two jets in proton-proton collisions at s=13TeV	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Berg	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hig	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100595063&doi=10.1016%2Fj.physletb.2020.135992&partnerID=40&md5=ce85fb15f904d90a80c6a5ce42102D4
Measurements of production cross sections of polarized same-sign W boson pairs in association with two jets in proton-proton collisions at s=13 TeV	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dra	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hig	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099646895&doi=10.1016%2Fj.physletb.2020.136018&partnerID=40&md5=7efb75f1fde8be4eb3e86e3566c60e043
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Thermo physical properties and pressure induced phase transition in thorium and uranium nesquicarbide (Th2C3, U2C3)	Sahoo B.D., Joshi K.D.	Physical Sciences	Journal of Applied Physics	2021	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099131090&doi=10.1063%2Fc.0033931&partnerID=40&md5=364d101caa54959f1c180313124da0c1
Ultrafast Charge Delocalization Dynamics of Ambient Stable CsPbBr3 Nanocrystals Encapsulated in Polystyrene Fiber	Babu K.J., Kaur G., Biswal L., De G., Ghosh H.N.	Physical Sciences	Chemistry - A European Journal	2021	0947-6539	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096995162&doi=10.1002%2chem.202002294&partnerID=40&md5=abcf0fbd211ab967da39e0d4847f8a3
Rapid synthesis of tetragonal zirconia nanoparticles by microwave-solvothermal route and its photocatalytic activity towards organic dyes and hexavalent chromium in single and binary	Mishra S., Debnath A.K., Muthe K.P., Das N., Parhi P.	Physical Sciences	Colloids and Surfaces A: Physicochemical and Engineering Asp	2021	0927-7757	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091240575&doi=10.1016%2Fj.colsurfa.2020.125551&partnerID=40&md5=039959448634b37505fb95a410c903fb
Structural investigations on Mo, Cs and Ba ions-loaded iron phosphate glass for nuclear waste storage application	Dutta D.P., Roy M., Mishra R.K., Menon S.S., Yadav A., Ka	Physical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089659138&doi=10.1016%2Fj.jallcom.2020.156715&partnerID=40&md5=100ea0a1eff869efe3efb407094291d7
Astindole ion uptake from acidic radioactive feeds using an extraction chromatographic resin containing a branched diallyl amide	Gujar R.B., Ansari S.A., Mohapatra P.K.	Chemical Sciences	Journal of Chromatography A	2021	0021-9673	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096867106&doi=10.1016%2Fj.chroma.2020.461728&partnerID=40&md5=d84bf40bff5474a190b5e793c0148ddf8
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Probing the interaction of anti-HIV drug Darunavir with dsDNA and HSA using electrochemical and spectroscopic measurements	Iyte P.R., Manna S., Sahoo S., Satpati A.K.	Chemical Sciences	Journal of Environmental Science and Health - Part A Toxic/Ha	2021	1093-4529	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122505210&doi=10.1080%2f10934529.2021.2008205&partnerID=40&md5=218b4cbb9ed9051f6c29cd219bf2856
Evolutionary conservation of protein dynamics: insights from all-atom molecular dynamics simulations of 'peptidase' domain of Spt16	Gaur N.K., Ghosh B., Goyal V.D., Kulkarni K., Makde R.D.	Life Sciences	Journal of Biomolecular Structure and Dynamics	2021	0739-1102	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122503483&doi=10.1080%2f07391102.2021.2021990&partnerID=40&md5=e9b22f4dcadc980cb651965c54efe111
Self- operating Flyback Converter for Boosting Ultralow Voltage of Thermoelectric Power Generator for IoT Applications	Patra S., Sahu S.K., Abichandani P.G., Meshram K.N., Bh	Engineering Sciences	IEEE Transactions on Industrial Electronics	2021	0278-0046	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122084918&doi=10.1109%2FTIE.2021.3135613&partnerID=40&md5=057ca751bd23cb425aae5614e6b6df25
Unified correlations for the prediction of the slip velocity, characteristic velocity, flooding throughput and flooding slip velocity in a pulsed disc and doughnut extraction column	Sinha V., Vincent T.	Engineering Sciences	Chemical Engineering Communications	2021	0098-6445	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117573828&doi=10.1080%2f00986445.2021.2009811&partnerID=40&md5=74f9e44e643eb779cd85153e88c370e63
Unique Eu(III) transport selectivity seen using a supported liquid membrane containing a diglycolamide dendrimer ligand	Mahanty B., Mohapatra P.K., Leonini A., Huskens J., Ver	Chemical Sciences	Separation Science and Technology (Philadelphia)	2021	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120153010&doi=10.1080%2f01496395.2021.2006231&partnerID=40&md5=360c7c536fe67031b5ed6cbe7eba3dcfc
Competition between axial anomaly and ferromagnetic ordering in Bi2-xFexSe3-xSx topological insulator: A study of magnetic and magnetotransport properties	Singh R., Kumar S., Jain A., Singh M., Ghosh L., Singh A.	Physical Sciences	Journal of Materiomics	2021	2352-8478	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121381634&doi=10.1016%2Fj.jmat.2021.11.005&partnerID=40&md5=bb66768c42c50e95d28c31f67cf110f91\
Gliding motility of a uranium-tolerant Bacteroidetes bacterium Chryseobacterium sp. strain PMS2PI: insights into the architecture of spreading colonies	Khare D., Chandwadkar P., Acharya C.	Life Sciences	Environmental Microbiology Reports	2021	1758-2229	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121287755&doi=10.1111%2F1758-2229.13034&partnerID=40&md5=5fd3368f7ed28c1eab1c064d43329e9e3
In vitro solubilization of antibiotic drug sulfamethazine: An investigation on drug-micelle aggregate formation by spectroscopic and scattering techniques	Mavani A., Ovung A., Lukham S., Ray D., Aswal V.K., Chu	Physical Sciences	Journal of Surfactants and Detergents	2021	1097-3958	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121238086&doi=10.1002%2jsde.12509&partnerID=40&md5=e16291011f2fe02f5f2003707a14b79c
Development and characterization of SiC fiber reinforced B4C composite	Sonber J.K., Majumdar S., Kain V.	Engineering Sciences	Journal of Metals, Materials and Minerals	2021	0857-6149	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120973092&doi=10.14456%2jmmm.2021.42&partnerID=40&md5=0c7b45a14c372267f5fcdbef20bdc4f46
Dinitro Derivative of Naphthalimide as a Fluorescent Probe for Tumor Hypoxia Imaging	Kumari R., Vasumathy R., Sunil D., Anil Kumar N.V., Ning	Chemical Sciences	Polycyclic Aromatic Compounds	2021	1040-6638	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120959059&doi=10.1080%2f10406638.2021.2009525&partnerID=40&md5=e95f08ef905c7c8ab1e0a58d87e2eae
Thermodynamic studies on Ba35rNb2O9 employing calorimeter	Samui P., Singh B.M., Khadilkar H.V., Rakshit S.K., Parida	Chemical Sciences	International Journal of Thermodynamics	2021	1301-9724	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120934095&doi=10.5541%2Fijot.937513&partnerID=40&md5=51a11e8f42591b796b9ed0bdf13d23e1779
Preparation of 177Lu-PSMA-617 in Hospital Radiopharmacy: Convenient Formulation of a Clinical Dose Using a Single-Vial Freeze-Dried PSMA-617 Kit Developed In-House	Gulenia M., Amirdhanayagam J., Sarma H.D., Rallapeta R	Chemical Sciences	BioMed Research International	2021	2314-6133	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120807446&doi=10.1155%2f2021%2f5557122&partnerID=40&md5=6cd9a6382e0843d6f47fbd55feba198f
A Combinatorial Approach to Reliable Quantitative Analysis of Small Nano-Sized Precipitates: A Case Study with α″ Precipitates in Fe-20 at% Cr Alloy	Sarkar S.K., Shinde D., Sen D., Biswas A.	Engineering Sciences	Microscopy and Microanalysis	2021	1431-9276	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120752743&doi=10.1017%2S1431927621013659&partnerID=40&md5=854dddd31d37187ae96ba2c4a1e73652fc
High thermopower and birefringence in layered mercury-based halides	Sahoo S.S., Sharma V.K., Gupta M.K., Mittal R., Kanchan	Physical Sciences	Materials Today Communications	2021	2352-4928	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120635365&doi=10.1016%2fj.mtcomm.2021.102824&partnerID=40&md5=7f0809ba09e10b1f01ed0ca3fb6de589
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Prospective evaluation of organ-specific dose and lesional doses following therapeutic (177Lu)Lu-EDTMP administration in patients with multiple skeletal metastases and its correlation with	Deep K., Thapa P., Wanage G., Tervankar S., Kaisar S., Ra	Chemical Sciences	Nuclear Medicine Communications	2021	0143-3636	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119117399&doi=10.1097%2fMNM.0000000000001434&partnerID=40&md5=ef7d70abc8b92387422d0682b82bae0d
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Comparative corrosion behaviour of stainless steels and their welds in wet-process phosphoric acid	Chandra K., Singh A.P., Mahanti A., Kumar N., Gautam V	Engineering Sciences	Corrosion Engineering Science and Technology	2021	1478-422X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104724151&doi=10.1080%2f1478422X.2021.1916257&partnerID=40&md5=eeb45cd0879ea7bd7b55b2d07d739350
Facile and green synthesis of silver nanoparticle-reduced graphene oxide composite and its application as nonenzymatic electrochemical sensor for hydrogen peroxide	Bhangoji J.C., Sahoo S., Satpati A.K., Shendage S.S.	Chemical Sciences	Journal of Liquid Chromatography and Related Technologies	2021	1927-7296	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104491803&doi=10.5267%2j.ccl.2021.3.002&partnerID=40&md5=962c03614e70c2dc7ec98c25e8b4373
Metallic nanoparticles as drug delivery system for the treatment of cancer	Neha Desai, Momin M., Khan T., Gharat S., Ningthoujam	Chemical Sciences	Expert Opinion on Drug Delivery	2021	1742-5247	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104244716&doi=10.1080%2f17425247.2021.1912008&partnerID=40&md5=61897d44f4acc2201e1e58069d94e7
Concept proposal for a six-tier integrated dual tracer PET-CT (68Ga-PSMA and FDG) image scoring system ('Pro-PET' score) and examining its potential implications in metastatic castration-resistant prostate cancer: Characterisation and prognosis	Adnan A., Basu S.	Medical and Health Sciences	Nuclear Medicine Communications	2021	0143-3636	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104066581&doi=10.1097%2fMNM.0000000000001371&partnerID=40&md5=e5687808e3ea5e28da77d976cdde00ea8
Optimization of gamma radiation dose for induction of mutations in okra	Hazra S., Gorai S., Umesh Kumar V., Bhattacharya S., Mu	Life Sciences	International Journal of Vegetable Science	2021	1931-5260	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103667718&doi=10.1080%2f19315260.2021.1894426&partnerID=40&md5=3cb3744e9a4a15e7ed829a95757e51e
Molecular insights into replication initiation in a multipartite genome harboring bacter

Mechanochemically synthesized mesoporous alumina: a smart new-generation sorbent for preparation of chromatographic 188W/188Re generator	Chakravarty R., Bahadur J., Lohar S., Jadhav S., Sen D., C	Physical Sciences	Sfv Applied Sciences	2021	2523-3971	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100785510&doi=10.1007%2fs42452-020-04053-7&partnerID=40&md5=56a97314b1fd7a9424234d4f8a7aa900
Liquid–Liquid Extraction of Actinides from Nitric Acid Feeds Using Two Hexa-n-alkylnitrilotriacetamides	Karak A., Mahanty B., Mohapatra P.K., Egberink R.J.M., \	Chemical Sciences	Solvent Extraction and Ion Exchange	2021	0736-6299	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100750314&doi=10.1080%2f07366299.2021.1946998&partnerID=40&md5=81e05fce554e607fc3b69c4fd2869ea80
Redox reactions of organoselenium compounds: Implication in their biological activity	Singh B.G., Kunwar A.	Chemical Sciences	Free Radical Research	2021	1071-5762	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100724303&doi=10.1080%2f10715762.2021.1882678&partnerID=40&md5=ad28476180353b2f75c0b72f8e5f1ab
Search for the lepton flavor violating decay τ → 3μ in proton-proton collisions at √s = 13 TeV	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Berg	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100246982&doi=10.1007%2fJHEP01%282021%2913&partnerID=40&md5=79557f9c19c0fed8b5077e752bf7119e
Reassessing the mechanism of genome packaging in plant viruses with lessons from A7Pavus fold	Ranjan T., Pal A.K., Prasad B.D., Kumar R.R., Kumar M., S	Life Sciences	Australasian Plant Pathology	2021	0815-3191	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100191466&doi=10.1007%2fs13313-020-00772-y&partnerID=40&md5=3e7010fdea06d247752e1393efdaac6
Assessment of biannual seasonal variations in hydrochemistry of Kerwa reservoir located in hard rock formations of Central India	Gupta P., Keesari T., Kamaraj P.	Chemical Sciences	Arabian Journal of Geosciences	2021	1866-7511	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100191239&doi=10.1007%2fs12517-020-06346-y&partnerID=40&md5=ccdd7cedecd7385d71847007f24ee5292
Feasibility studies for the measurement of time-like proton electromagnetic form factors from p̄p→ μ+μ- at P̄ ANDA at FAIR	Barucco G., Davi F., Lancioni G., Mengucci P., Montalto L	Physical Sciences	European Physical Journal A	2021	1434-6001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100155048&doi=10.1140%2epja%2fs10050-020-00333-3&partnerID=40&md5=b15e7b7127fc9f23a4cb4df61d7f4D093
Assessment of non-steroidal anti-inflammatory drugs from selected wastewater treatment plants of Southwestern India	Praveenkumarreddy Y., Vimalkumar K., Ramaswamy B.R	Chemical Sciences	Emerging Contaminants	2021	2405-6650	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100141985&doi=10.1016%2fj.emcon.2021.01.001&partnerID=40&md5=5d5fad199994eed05541d38926cd74c0c
Role of Cobalt Doping in CdS Quantum Dots for Potential Application in Thin Film Optoelectronic Devices	Maity P., Kumar S., Kumar R., Jha S.N., Bhattacharyya D.	Physical Sciences	Journal of Physical Chemistry C	2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100066918&doi=10.1021%2acs.jpcc.0c09358&partnerID=40&md5=e1ae8d2395632cdc31374934aa5ee34a
Activation of DNA damage response signaling in mammalian cells by ionizing radiation	Ghosh S., Ghosh A.	Life Sciences	Free Radical Research	2021	1071-5762	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100056750&doi=10.1080%2f10715762.2021.1876858&partnerID=40&md5=9826e546094218ccdb69bb4c91eec08c
Interaction of esculetin with aluminium ion by spectroscopic studies and isothermal titration calorimetry: a probable molecule for chelation therapy	Deokar R.G., Baroosh N., Barik A.	Chemical Sciences	Journal of Biomolecular Structure and Dynamics	2021	0739-1102	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100043951&doi=10.1080%2f07391102.2021.1877820&partnerID=40&md5=63f6e8996b8bb9c3b7c5a8ea1b7f515b
Selective CO2Photoreduction with Cu-Doped TiO2Photocatalyst: Delineating the Crucial Role of Cu-Oxidation State and Oxygen Vacancies	Bhattacharyya K., Mane G.P., Rane V., Tripathi A.K., Tya	Chemical Sciences	Journal of Physical Chemistry C	2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100013572&doi=10.1021%2acs.jpcc.0c08441&partnerID=40&md5=57a6da7395e3a49ab9f923d6be0ec1a6
Observation of D band splitting in vertically aligned graphene nanowalls and their evolution with laser power during Raman spectroscopy	Kar R., Maiti N.	Engineering Sciences	Journal of Nanoparticle Research	2021	1388-0764	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098877564&doi=10.1007%2fs11051-021-05147-y&partnerID=40&md5=77fb8a8d537e25c85d4b4d2a290edbfcc
Enhancement of field emission performance of graphene nanowalls: the role of compound-cathode architecture and anode proximity effect	G Sarkar S., Kar R., Mondal J., Mishra L., D J., Maiti N., T	Engineering Sciences	Carbon Trends	2021	2667-0569	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099790161&doi=10.1016%2fj.cartre.2020.100008&partnerID=40&md5=0f951d720392be96bad81117e496561c
Simulating multi-scale gated field emitters - A hybrid approach	Sarkar S.G., Kumar R., Singh G., Biswas D.	Physical Sciences	Physics of Plasmas	2021	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099783518&doi=10.1063%2f5.0036358&partnerID=40&md5=1c7e42b1ab568e68d22efd5c414a72b
Correllations of azimuthal anisotropy Fourier harmonics with subevent cumulants in pPb collisions at sNN=8.16 TeV	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Asil	Physical Sciences	Physical Review C	2021	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099623310&doi=10.1103%2fPhysRevC.103.014902&partnerID=40&md5=b47265f1b47fb5da5723bb9d8dcfd9f
Interface modification of Cr/Ti multilayers with C barrier layer for enhanced reflectivity in the water window regime	Sarkar P., Biswas A., Abharana N., Rai S., Modi M.H., Bh	Physical Sciences	Journal of Synchrotron Radiation	2021	0909-0495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099428296&doi=10.1107%2fS1600577520013429&partnerID=40&md5=f53c610d3e24b848a20e687b746ad8a
Dispersed-phase Volume Fraction and Flow Regimes in Oscillatory Liquid-Liquid Two-Phase Flow in Annuli: Comparison of Sieve-Plate and Baffle-Plate Internals	Sarkar S., Darekar M., Singh K.K., Shenoy K.T.	Engineering Sciences	Solvent Extraction and Ion Exchange	2021	0736-6299	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099389984&doi=10.1080%2f07366299.2020.1848412&partnerID=40&md5=9d9a75a05c305d6c85e985453884e1eb9b
Search for dark matter produced in association with a leptonically decaying Z boson in proton–proton collisions at √s=13Tev	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dra	Physical Sciences	European Physical Journal C	2021	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099373612&doi=10.1140%2epjc%2fs10052-020-08739-5&partnerID=40&md5=b1d032dce13640f96642cd10c3b4eb6
Cytoprofilerative effect of low dose alpha radiation in human lung cancer cells is associated with connexin 43, cavveolin-1, and survivin pathway	Rajan V., Pandey B.N.	Life Sciences	International Journal of Radiation Biology	2021	0955-3002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099370106&doi=10.1080%2f09553002.2021.1864044&partnerID=40&md5=7fde039fd4ee0739be4872c33d4b1fc
Molecular interactions and their predictive roles in cell pole determination in bacteria	Chaudhary R., Mishra S., Kota S., Misra H.	Life Sciences	Critical Reviews in Microbiology	2021	1040-841X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099191758&doi=10.1080%2f1040841X.2020.1857686&partnerID=40&md5=d3e2fcd56e798222ec8da5f2723376d3d
An enhanced midstream design method for cryogenic turbomachinery	Jadhav M.M., Chakravarty A., Atrey M.D.	Engineering Sciences	Cryogenics	2021	0011-2275	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098964650&doi=10.1016%2fj.cryogenics.2020.103237&partnerID=40&md5=194006dd1619def2ec42228731f0Dcd6
Iron modulatory property of a polysaccharide from Indian medicinal plant Osimum sanctum	Subramanian M., Chintalwar G.J., Chattopadhyay S.	Mathematical Sciences	Free Radical Research	2021	1071-5762	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098779116&doi=10.1080%2f10715762.2020.1866178&partnerID=40&md5=25bc6a8896bc037faa0da6a7ab188c0ad
Search for top squark pair production using dilepton final states in pp collision data collected at √s=13TeV	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Berg	Physical Sciences	European Physical Journal C	2021	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098731608&doi=10.1140%2epjc%2fs10052-020-08701-5&partnerID=40&md5=7e3aa17466deec4ec1e0e1cb769cd26
Clinical efficacy of Sep-PAK® assisted one pot automated synthesis of pharmaceutical grade [18F]FLT using 5'-O-(benzoyl)-2,3'-anhydrothymidine precursor	Mitra A., Chakraborty A., Upadhye T., Verma P., Rajesh	Medical and Health Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098629356&doi=10.1007%2fs10967-020-07531-9&partnerID=40&md5=b1d032dce13640f96642cd10c3b4eb6
Fluoride Geochemistry and Exposure Risk Through Groundwater Sources in Northeastern Parts of Rajasthan, India	Keesari T., Pant D., Roy A., Sinha U.K., Jaryal A., Singh M	Chemical Sciences	Archives of Environmental Contamination and Toxicology	2021	0090-4341	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098524618&doi=10.1007%2fs00244-020-00794-e&partnerID=40&md5=aaf9e16d5597b2bef5948c41011a7dd2
Computational fluid dynamics modeling of uranium(VI) transport through hollow fiber supported liquid membrane	Swain B., Singh K.K., Pabby A.K.	Engineering Sciences	Separation Science and Technology (Philadelphia)	2021	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098510048&doi=10.1080%2f01496395.2020.1852258&partnerID=40&md5=3c39b34567fcdbc22f3e8b933175751
Genome-wide identification, characterization and transcriptional profiling of NHX-type (Na+/H+) antiporters under salinity stress in soybean	Joshi S., Kaur K., Khare T., Srivastava A.K., Suprasanna P	Life Sciences	3 Biotech	2021	2190-572X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098500131&doi=10.1007%2fs13205-020-02555-0&partnerID=40&md5=e06d9552db88305c8e94f85b037fe6a6c
Occurrence of Heavy Metals in Groundwater Along the Lithological Interface of K/T Boundary, Peninsular India: A Special Focus on Source, Geochemical Mobility and Health Risk	Chandrasekar T., Keesari T., Gopalakrishnan G., Karuppa	Chemical Sciences	Archives of Environmental Contamination and Toxicology	2021	0090-4341	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098490285&doi=10.1007%2fs00244-020-00803-1&partnerID=40&md5=cff888bfd6eaebb882e76189c1119e0da
Long-term outcome of indigenous 177Lu-dotatate prt in patients with metastatic advanced neuroendocrine tumours: A single institutional observation in a large tertiary care setting	Sitani K., Parghane R.V., Talole S., Basu S.	Medical and Health Sciences	British Journal of Radiology	2021	0007-1285	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098477938&doi=10.1259%2fbjr.20201041&partnerID=40&md5=93bbb7919e9e35cc64308dd9d3320a21
Structure and ionic conductivity of Na3+xSc2Si4P3-xO12 (x=0.0, 0.2, 0.4, 0.8) NASICON materials: A combined neutron diffraction, MAS NMR and impedance study	Santhoshkumar B., Rao P.L., Ramanathan K.V., Bera A.K.	Physical Sciences	Solid State Sciences	2021	1293-2558	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098453766&doi=10.1016%2fj.solidstatesciences.2020.106470&partnerID=40&md5=ae468f56ba5e29f941220b1f91184621
Carbon removal from a mirror-like gold surface by UV light, RF plasma, and IR laser exposure: A comparative study	Yadav P.K., Gupta R.K., Choubey A.K., Ali S., Goutam U.K	Physical Sciences	Applied Optics	2021	1559-128X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098263765&doi=10.1364%2fAO.400508&partnerID=40&md5=e9bf6d3b342173945d1513b09399fec0
Solvent extraction systems for mutual separation of Am(III) and Cm(III) from nitric acid solutions: A review of recent state-of-the-art	Matveev P., Mohapatra P.K., Kalmykov S.N., Petrov V.	Chemical Sciences	Solvent Extraction and Ion Exchange	2021	0736-6299	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097863822&doi=10.1080%2f07366299.2020.1856998&partnerID=40&md5=161469683885 3daa77088be14db8020B
Bismuth mediated barbier synthesis of α-homoallylic alcohols via α sigmatropic rearrangement in [bmim][HSO4]	Chatterjee S., Dey P., Ranojia S.V., Chattopadhyay S., Go	Chemical Sciences	Synthetic Communications	2021	0039-7911	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097440699&doi=10.1080%2f00397911.2020.1854785&partnerID=40&md5=7a61bcb6d4224b1ea4ffc7e247e263091
Parametric study on dispersed phase holdup and axial drop size distribution in a pulsed disc and doughnut extraction column	Sinha V., Vincent T.	Engineering Sciences	Separation Science and Technology (Philadelphia)	2021	0149-6395	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098963522&doi=10.1080%2f01496395.2020.1847346&partnerID=40&md5=82c85f402ec88ee7af80628fc3bc1dc3
Cancer epidemiology literature from India: Does it reflect the reality?	Deepa K.V., Venghateri J.B., Khajanchi M., Gadgil A., Roy	Medical and Health Sciences	Journal of Public Health (United Kingdom)	2021	1741-3842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098855448&doi=10.1093%2fpubmed%2ffdz160&partnerID=40&md5=cfd699c4d3ad1907bb3166dc7c813dfa
Evaluation of radiation dose from radon ingestion and inhalation in groundwater of a small tropical river basin, Kerala, India	Sukanya S., Joseph S., Noble J.	Engineering Sciences	Isotopes in Environmental and Health Studies	2021	1025-6016	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097908150&doi=10.1080%2f10256016.2020.1855896&partnerID=40&md5=3630ee8b187b263e80bd103d2b747c64
Retention behaviour of Ba(II) on argillaceous rocks of Cuddapah system	Patel M.A., Kar A.S., Tomar B.S., Bajpai R.K.	Engineering Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096758973&doi=10.1007%2fs10967-020-07484-z&partnerID=40&md5=d26625cf9bf0220b5da3cdb2cfdd4a4
Electron beam irradiation induced changes in local structure of simulated waste bearing sodium borosilicate glasses	Kumar A., Mishra R.K., Khader S.A., Yadav A.K., Jha S.N.,	Chemical Sciences	Nuclear Instruments and Methods In Physics Research, Section	2021	0168-583X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096558328&doi=10.1016%2fj.nimb.2020.11.007&partnerID=40&md5=3726a46fbd9ce8ba1d83894232c75bce
Computational Fluid Dynamics Modelling to Predict Axial Dispersion in Pulsatile Liquid-Liquid Two-phase Flow in Pulsed Sieve Plate Columns	Sen N., Singh K.K., Patwardhan A.W., Shenoy K.T.	Engineering Sciences	Solvent Extraction and Ion Exchange	2021	0736-6299	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096535559&doi=10.1080%2f07366299.2020.1840030&partnerID=40&md5=b81f91881a0873fe0c19dd5b19cc306
N6-methyladenine and epigenetic immunity of Deinococcus radiodurans	Joshi S., Lijuveney A.K., Ghosh P., Deobagkar D.D., Basu B	Life Sciences	Research in Microbiology	2021	0923-2508	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096479419&doi=10.1016%2fj.resmic.2020.10.004&partnerID=40&md5=14705eb2e296e3f8d9ee2e0459c4cda
The utility of 68Ga-DOTATATE PET/CT in localizing primary/metastatic pheochromocytoma and paraganglioma in children and adolescents - A single-center experience	Jaiswal S.K., Sarathi V., Malhotra G., Hira P., Shah B., Pat	Medical and Health Sciences	Journal of Pediatric Endocrinology and Metabolism	2021	0334-018X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094661128&doi=10.1515%2fjpem-2020-0354&partnerID=40&md5=e5775ba255cd298612258f1c2f54e7d0
Experimental Investigation of Strain-Rate- and Temperature-Dependent Mechanical Properties of SA516Gr.70 Steel and Development of an Appropriate Material Model	Sharma S., Samal M.K.	Engineering Sciences	Journal of Materials Engineering and Performance	2021	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094060666&doi=10.1007%2fs11665-020-05326-3&partnerID=40&md5=5cae16d9685010ba715028983b66 61f2
Curcumin analogs exhibit anti-cancer activity by selectively targeting G-quadruplex forming c-myc promoter sequence	Pandya N., Khan E., Jain N., Satham L., Singh R., Makde	Life Sciences	Biochimie	2021	0300-9084	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093670766&doi=10.1016%2fj.biochi.2020.11.006&partnerID=40&md5=a8c46c3900b0ec1d20d07347f76f901be
Distribution of 210Pb and 210Po in ground water around uranium mineralized area of Jadugoda, Jharkhand, India	Sharma D.B., Jha V.N., Singh S., Sethy N.K., Sahoo S.K., Jh	Physical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096295928&doi=10.1007%2fs10967-020-07485-w&partnerID=40&md5=edf8e0fbc269a3da393a2e81508459f6
Membrane damage precedes DNA damage in hydroxyhavocid treated E. coli cells and facilitates cooperativity with hydrophobic antibiotics	Singh D., Majumdar A.G., Gamre S., Subramanian M.	Mathematical Sciences	Biochimie	2021	0300-9084	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093670368&doi=10.1016%2fj.biochi.2020.11.008&partnerID=40&md5=b075a1ef85b6ef1cce57e01b9d3a2bac
Monitoring the formation of insulin oligomers using a NIR emitting glucose-conjugated BODIPY dye	More A.K., Murudkar S., Shivran N., Mula S., Chattopadh	Chemical Sciences	International Journal of Biological Macromolecules	2021	0141-8130	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096195712&doi=10.1016%2fj.ijbiomac.2020.10.267&partnerID=40&md5=c750ea8a894736 2b367a0aa3923f4
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An Organic-Inorganic Perovskitoid with Zwitterion Cysteamine Linker and its Crystal–Crystal Transformation to Ruddlesden-Popper Phase	Kour P., Chenna Reddy M., Pal S., Sidhik S., Das T., Pand	Physical Sciences	Angewandte Chemie - International Edition	2021	1433-7851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109870956&doi=10.1002%2fanie.202105918&partnerID=40&md5=36b75668cd81ba5d2559192168d0910d2
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Local indistinguishability and incompleteness of entangled orthogonal bases: Method to generate two-element locally indistinguishable ensembles	Halder S., Sen U.	Physical Sciences	Annals of Physics	2021	0003-4916	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109110493&doi=10.1016%2fj.aop.2021.168550&partnerID=40&md5=9b4bcd0f3958a39611782092d2720d680
Extending the Cyclability of Alkaline Zinc-Air Batteries: Synergistic Roles of Li+and K+Ions in Electrolytes	Thakur P., Alam K., Roy A., Downing C., Nicolosi V., Sen	Physical Sciences	ACS Applied Materials and Interfaces	2021	1944-8244	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111214721&doi=10.1021%2facsami.1c08308&partnerID=40&md5=7e3d6e982b579797eccaceed859e480
Witnessing nonseparability of bipartite quantum operations	Sohail, Sen U.	Physical Sciences	Physics Letters, Section A: General, Atomic and Solid State Phys	2021	0375-9601	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105740403&doi=10.1016%2fj.physleta.2021.127411&partnerID=40&md5=7debfcd06347420c4862f5ccc3e41e10
Noisy quantum input loophole in measurement-device-independent entanglement witnesses	Sen K., Srivastava C., Mal S., Sen(De) A., Sen U.	Physical Sciences	Physical Review A	2021	2469-9926	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111661204&doi=10.1103%2fPhysRevA.104.012429&partnerID=40&md5=1017e2ccb2b9bbd8926d248c71e8d9b1
Cutkosky rules and unitarity (violation) in D-instanton amplitudes	Sen A.	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111487559&doi=10.1007%2fJHEP07%282021%2920&partnerID=40&md5=b526f8999ace676d1e08963e0d23005b
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Studies on Nd solubility in Ca3(PO4)F2 and its borosilicate glass bonded analogues synthesized by using CaF2 recovered from spent salt of electro-winning process	Shirley Auxilia L., Jena H., Parida S.K.	Chemical Sciences	Ceramics International	2021	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112177701&doi=10.1016%2fj.ceramint.2021.07.082&partnerID=40&md5=bfa41a9009ad6259b6f995145d5d0a6
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Residual oxygen-driven defect mediated room temperature magnetism in dilute nitrogen incorporated amorphous Al-N-O alloy thin film	Nath D., Deshpande U.P., Chandra Shekar N.V., Chakrava	Physical Sciences	Journal of Magnetism and Magnetic Materials	2021	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110267072&doi=10.1016%2fj.jmmm.2021.168255&partnerID=40&md5=80ec0e8a5dccd07d4b9e4ead2fc78629d
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Influence of interstitial UCO2+doping on the valence control of Eu and energy transfer to substitutional Eu3+and Sm3+in SrBiPO5	Vinodkumar P., Padhi R.K., Panda S., Ramakrishna P., Pa	Chemical Sciences	Dalton Transactions	2021	1477-9226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118918426&doi=10.1039%2fd1dt02657g&partnerID=40&md5=cd8b3b90dd1bc95f59a7d6b0ba7d857b
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Alkaliphilic bacteria retrieved from uranium mining effluent: Characterisation, U sequestration and remediation potential	Banala U.K., Das N.P.J., Padhi R.K., Toleti S.R.	Life Sciences	Environmental Technology and Innovation	2021	2352-1864	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112270258&doi=10.1016%2fj.eti.2021.101893&partnerID=40&md5=d80a2d8e46d974bab449096578602e96
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Structure and Texture of Oxide Dispersion Strengthened Alloy 617 for Very High Temperature Applications	Sivakumar M., Sinha S.K., Dasgupta A., Shaikh S.M.	Physical Sciences	Metallurgical and Materials Transactions A: Physical Metallurg	2021	1073-5623	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114149946&doi=10.1007%2fs11661-021-06442-y&partnerID=40&md5=2220b771b673f95edb2b1ded87159460d
A systematic approach for achieving the maximum loading of Eu(III) in TODGA/n-dodecane phase with the aid of TBP phase modifier	Dhawa A., Rout A., Jawahar N.R., Venkatesan K.A.	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114121427&doi=10.1016%2fj.molliq.2021.117397&partnerID=40&md5=261996ba377e2953ed05485244fc8041
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Selective removal of Zr(IV) from simulated High-Level liquid waste of metallic fuel reprocessing using hydroxyacetamide Extractant: Insights from solvent extraction and density functional	Prathibha T., Suneesh A.S., Chandra S., Sriram S., Raman	Chemical Sciences	Polyhedron	2021	0277-5387	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112347490&doi=10.1016%2fj.poly.2021.115410&partnerID=40&md5=49d7daa65c9a00297162839a59a43fd
Corrosion Behaviour of Plasma-Sprayed Nickel Coating on Type 316L Stainless Steel in High-Temperature Molten FLiNaK Salt	Harinath Y.V., Rao C.J., Ningshen S., Mohan T.V.K., Rang	Chemical Sciences	Transactions of the Indian Institute of Metals	2021	0972-2815	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114898536&doi=10.1007%2fs12666-021-02353-z&partnerID=40&md5=5dc462360371f1608275188e55405db7
The relaxation processes of dielectric, modulus and impedance in Dy0.55Sr0.45Mn1- xFexO3	Tadagiri K., Nithya R.	Physical Sciences	Journal of Physics and Chemistry of Solids	2021	0022-3697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111016806&doi=10.1016%2fj.jpcs.2021.110232&partnerID=40&md5=3142346c2c39aace498d4ff2be959bd
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Tensile Behavior of Inconloy-800HT Exposed to High-Temperature Molten FLiNaK Salt and Thermal Aging	Harinath Y.V., Prasad Reddy G.V., Krishna Mohan T.V., R	Engineering Sciences	Journal of Materials Engineering and Performance	2021	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108621364&doi=10.1007%2fs11665-021-05978-9&partnerID=40&md5=b1944ee1d08a4e7a194bbc09813ef63
Magnetic hyperthermia studies in magnetite ferrofluids based on bio-friendly oils extracted from Calophyllum inophyllum, Brassica juncea, Ricinus communis and Madhuca longifolia	Gopika M.S., Lahiri B.B., Anju B., Philip J., Savitha Pillai	Physical Sciences	Journal of Magnetism and Magnetic Materials	2021	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107679174&doi=10.1016%2fj.jmmm.2021.168134&partnerID=40&md5=bb4d7ed96bbc2d7fc119eedb75ee187
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Structural and optical properties of Ce-doped strontium borophosphate glasses	Ramakrishna P., Sitakanta Panda, Vinod Kumar P., Moha	Chemical Sciences	Indian Journal of Physics	2021	0973-1458	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099650111&doi=10.1007%2fs12648-020-01910-4&partnerID=40&md5=4a04f901a9ab02b69975fa4f86cd94da
Raman Fingerprint of Pressure-Induced Phase Transition in SnO2Nanoparticles: Grüneisen Parameter and Thermal Expansion	Mishra K.K., Sahu B.K., Bonu V., Das A., Ketiyer R.S., Rav	Chemical Sciences	Physical Chemistry C	2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118782624&doi=10.1021%2acs.jpcc.1c06770&partnerID=40&md5=d8e301e2149ecd6e26d5690b5c17fcc6
Extraction and aggregation behaviour of Zr(IV) in diglycolamide solvents during the treatment of high-level liquid waste solution arising from metallic fuel reprocessing	Prathibha T., Rama Swami K., Suneesh A.S., Robert Selva	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112483922&doi=10.1016%2fj.molliq.2021.117266&partnerID=40&md5=ab7be13db9c903b3b61555ae147aa
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Influence of prior deformation temperature on strain induced martensite formation and its effect on the tensile strengthening behaviour of type 304 SS studied by XRDLPA	Teena Mouni C., S M., C.R., Albert S.K., Das C.R., Parida	Engineering Sciences,Physical Scien	Materials Science and Engineering A	2021	0921-5093	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111412960&doi=10.1016%2fj.msea.2021.141960&partnerID=40&md5=0cdb251bed8ed33edb8e591538945bb7
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Molten sodium corrosion of laser surface remelted yttria-stabilized zirconia thermal barrier coatings	Varghese P., Vetrivendan E., Vaishnavi Krupa B.R., Shuki	Chemical Sciences	Corrosion Science	2021	0010-938X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112002452&doi=10.1016%2fj.corsci.2021.109740&partnerID=40&md5=1e2ebe35db7f05c657ae4b03d5f4d20f56
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Aqueous soluble 'N' donor heterocyclic ligands for the mutual separation of Am3+ and Eu3+: Solvent extraction, flat sheet supported liquid membrane and hollow fiber microextraction studies	Bhattacharyya A., Kanekar A.S., Karthikeyan N.S., Ravich	Chemical Sciences	Journal of Environmental Chemical Engineering	2021	2213-3437	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111157772&doi=10.1016%2fj.jece.2021.106041&partnerID=40&md5=1c1e72eec321566eb75eb96743d3996c
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Solubility of pyridine-2,6-dicarboxylic acid in supercritical carbon dioxide and its application for removal of lead and nickel in simulated matrices	Deepitha J., Pitchaiah K.C., Chandrasekhar G., Sivaraman	Chemical Sciences	Journal of Supercritical Fluids	2021	0896-8446	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107863018&doi=10.1016%2fj.supflu.2021.105318&partnerID=40&md5=d727c4ed1f4e7e7bc52649f23eb21a89
Thermodynamic properties over <GdAl2> + GdAl(>> two phase region of Gd–Al system: Knudsen effusion mass spectrometric study	Trinadh V.V., Manikandan P., Brahmananda Rao C.V.S.,	Chemical Sciences	Journal of Chemical Thermodynamics	2021	0021-9614	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107738200&doi=10.1016%2fj.jct.2021.106518&partnerID=40&md5=977ed4e4b43a81b3c9d37c28eaa6fc31
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Assessing the Co-Deformability of a Nickel-Based Superalloy-304L Stainless Steel Preform Manufactured through Laser Additive Manufacturing	Samantaray D., Aashranth B., Parthasarathi N.L., Rai A.K	Engineering Sciences,Physical Scien	Journal of Materials Engineering and Performance	2021	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108852113&doi=10.1007%2fs11665-021-05951-6&partnerID=40&md5=7f9b3414e2a7332e3644e8ba79639ade
Evaluation of oxidation resistant SiC-ZrB2 composite interlayer for plasma sprayed Y2O3 coating over graphite	Madhura B., Vetrivendan E., Rao C.J., Nirugiohn S	Chemical Sciences	Corrosion Science	2021	0010-938X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084492788&doi=10.1016%2fj.corsci.2021.109645&partnerID=40&md5=2fe73de6dc4496a6dc3faecdba569c
Graphene oxide/polyvinylpyrrolidone composite coating on 316L SS with superior antibacterial and anti-biofouling properties	Jena G., Sofia S., Anandkumar B., Vanithakumari S.C., Ga	Chemical Sciences,Physical Science	Progress in Organic Coatings	2021	0300-9440	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107137887&doi=10.1016%2fj.porgcoat.2021.106356&partnerID=40&md5=3f587771b8900871c107002385740964
Efficient Dye Degradation via Catalytic Persulfate Activation using Iron Oxide-Manganese Oxide Core-Shell Particle Doped with Transition Metal Ions	Anushree C., Nanda Gopala Krishna D., Philip J.	Physical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106892916&doi=10.1016%2fj.molliq.2021.116429&partnerID=40&md5=1679e4d567707330298ab857edfee2e8c
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Modification of oxide film on Zircaloy-2 by magnesium ions in high temperature aqueous solution	Chandran S., Subramanian V., H.S., Y.R., P.C., Mathews T	Physical Sciences	Journal of Nuclear Materials	2021	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106267467&doi=10.1016%2fj.jnucmat.2021.153043&partnerID=40&md5=d6040e277f478601e8ba77323d6d8d11c
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Poly acrylic acid stabilized magnetic nanoemulsions for visual defect detection: Effect of pH on detection sensitivity and colloidal stability	Nandy M., Lahiri B.B., Yadhukrishna C.H., Philip J.	Physical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105591961&doi=10.1016%2fj.molliq.2021.116332&partnerID=40&md5=e27b19c3e333a539fbb358c993e103d8
Structural and optical properties of cerium and dysprosium coactivated borophosphate glasses for cool white light application	Ramakrishna P., Panda S., Vinodkumar P., Padhi R.K., Jai	Chemical Sciences	Journal of Non-Crystalline Solids	2021	0022-3093	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105488121&doi=10.1016%2fj.jnoncrysol.2021.120831&partnerID=40&md5=853bf9c35280fcd80b6d5a581bc2d94f
Cloud resolving simulation of extremely heavy rainfall event over Kerala in August 2018—Sensitivity to microphysics and aerosol feedback	Thomas B., Viswanadhapalli Y., Srinivas C.V., Dasari H.P.	Physical Sciences	Atmospheric Research	2021	0169-8095	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104292679&doi=10.1016%2fj.atmosres.2021.105613&partnerID=40&md5=29fa124fef670f2372f9607d f031f08d
Nd(III) hypersensitive peak as an optical absorption probe for determining nitric acid in aqueous solution: An application to aqueous raffinate solutions in nuclear reprocessing	Kumar S., Maji S., Sundararajan K.	Chemical Sciences	Talanta	2021	0039-9140	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104074229&doi=10.1016%2fj.talanta.2021.122398&partnerID=40&md5=523285205ed51dc1cd64f66dcd22a84e4
Molecular dynamics simulation of indentation on nanocoated surfaces: A comparison between 3D and 2D plane strain models	Mani A.Z., Jayadeep U.B., Ramaseshan R.	Physical Sciences	Journal of Materials Research	2021	0884-2914	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111390028&doi=10.1557%2fs43578-021-00298-z&partnerID=40&md5=cb813068faaa8e63e5b9ccc9c804997
Post synthetically modified IRMOF-3 for efficient recovery and selective sensing of U(vi) from aqueous medium	Venkata Sravani V., Tripathi S., Sreenivasulu B., Kumar S	Chemical Sciences	RSC Advances	2021	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113471664&doi=10.1039%2fd1ra02971a&partnerID=40&md5=315f827ade6f8f355353375b754796
Investigating laser induced breakdown spectroscopy for estimating uranium by its hydroxide colloids in presence of large excess of LiCl-KCl/Cd	Maji S., Kumar S., Sundararajan K.	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111944833&doi=10.1007%2fs10967-021-07819-4&partnerID=40&md5=2ed2363df0cf50ee37b20f7fbbcf1c
A simple spectrofluorimetric method to estimate uranium: application to nuclear reprocessing solution	Maji S., Kumar S., Sundararajan K.	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111933881&doi=10.1007%2fs10967-021-07829-2&partnerID=40&md5=91e145354fe8f29ed064e0898eaa7828
Investigation of luminescence spectroscopic characteristics in Eu3+-doped Zn2SiO4 by Judd–Ofelt parameters	Prathibha K.N., Krishna R.H., Nagesh B.V., Prakashbabu	Chemical Sciences	Journal of Materials Science: Materials in Electronics	2021	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111913056&doi=10.1007%2fs10854-021-06524-y&partnerID=40&md5=e37a4059054c3817ee60b3f023b4a1c9
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Effect of Laser and Hybrid Laser Welding Processes on the Residual Stresses and Distortion in AISI Type 316L(N) Stainless Steel Weld Joints	Ragavendran M., Vasudevan M.	Engineering Sciences	Metallurgical and Materials Transactions B: Process Metallurg	2021	1073-5615	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106400563&doi=10.1007%2fs11663-021-02202-w&partnerID=40&md5=52d117ce3ef624916f9a38c407419e70
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Oxidation protective coating of Y2O3-Na2SixOz+1 composite on graphite crucible for high temperature applications	Mukherjee S., Das S., Jain A., Ghosh P.	Chemical Sciences	Surfaces and Interfaces	2021	2468-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105528978&doi=10.1016%2fj.surfin.2021.101158&partnerID=40&md5=ea55dea9ba40f38a4fa9c2e84223d462
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Laser patterned titanium surfaces with superior antibiofouling, superhydrophobicity, self-cleaning and durability: Role of line spacing	Vanithakumari S.C., Ambar Kumar C., Thinaharan C., Rao	Physical Sciences	Surface and Coatings Technology	2021	0257-8972	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105859546&doi=10.1016%2fj.surfcoat.2021.127257&partnerID=40&md5=040a3bfd27aeeb083e1224a75a01cceа
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Generation of creep-fatigue interaction diagram for modified 9Cr–1Mo steel	Veerababu J., Goyal S., Vanaja J., Nageshа A., Vasudevan	Engineering Sciences	International Journal of Pressure Vessels and Piping	2021	0308-0161	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102553453&doi=10.1016%2fj.ijpvp.2021.104376&partnerID=40&md5=8B42a3d93003c3db3b79Df98219a80abc
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Effect of activated flux tungsten inert gas (A-TIG) welding on the mechanical properties and the metallurgical and corrosion assessment of Inconel 625	Sivakumar J., Vasudevan M., Korra N.N.	Engineering Sciences	Welding in the World	2021	0043-2288	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100740697&doi=10.1007%2fs40194-020-01061-4&partnerID=40&md5=04a3450fe62ba6fc2f01c0352b32652Be
Binary blended fly ash concrete with improved chemical resistance in natural and industrial environments	Hariial M., George R.P., Philip J., Albert S.K.	Engineering Sciences,Physical Scien	Environmental Science and Pollution Research	2021	0944-1344	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100397938&doi=10.1007%2fs11356-021-12453-6&partnerID=40&md5=72366ddc5d37352a52fa736fbd177fa8
Effect of laser energy per unit powder feed on Hastelloy-X walls built by laser directed energy deposition based additive manufacturing	Jinoop A.N., Paul C.P., Nayak S.K., Kumar J.G., Bindra K.S	Engineering Sciences,Physical Scien	Optics and Laser Technology	2021	0030-3992	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099164063&doi=10.1016%2fj.optlastec.2020.106845&partnerID=40&md5=3f5e79ba1cb39ce5b8801d62d0be536e
Impacts of Urbanization, Aerodynamic Roughness, and Land Surface Processes on the Extreme Heavy Rainfall Over Chennai, India	Rajeswari J.R., Srinivas C.V., Yesubabu V., Hari Prasad D.	Physical Sciences	Journal of Geophysical Research: Atmospheres	2021	2169-897X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102647702&doi=10.1029%2f2020JD034017&partnerID=40&md5=727a9b8f8f2cda295cee4320D24f49e
SrBPO5: Ce3+, Dy3+ – A cold white-light emitting phosphor	Vinodkumar P., Panda S., Jaiganesh G., Padhi R.K., Madh	Chemical Sciences	Spectrochimica Acta - Part A: Molecular and Biomolecular Spe	2021	1386-1425	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101380858&doi=10.1016%2fj.saa.2021.119560&partnerID=40&md5=ff94184b24bdc2f752fb52F2f63575624
Experimental investigation of creep crack growth behavior in the heat affected zone of boron added modified 9Cr–1Mo steel weld	Kumar Y., Dash M.K., Moitra A., Sasikala G., Albert S.K.	Engineering Sciences	Materials Science and Engineering

On the interaction of microstructural morphology with residual stress in fiber laser welding of austenitic stainless steel	Kumar B., Bag S., Mahadevan S., Paul C.P., Das C.R., Bind	Engineering Sciences,Physical Scie	CIRP Journal of Manufacturing Science and Technology	2021	1755-5817	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103329845&doi=10.1016%2fj.cirpj.2021.03.009&partnerID=40&md5=3f8ccdecde6a442dc7eae478e85c0f8c5
Influence of the concentration of nitric acid on the composition of NOX gas evolved during the dissolution of nuclear fuel and its implications on the PUREX process	Desigan N., Pandey N.K., Joshi J.B.	Engineering Sciences	Progress in Nuclear Energy	2021	0149-1970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102899929&doi=10.1016%2fj.pnucene.2021.103704&partnerID=40&md5=068355f5549764ff6cc27de0173e1ab
Nanoindentation and structural studies of MgO-doped congruent LiNbO3 single crystals	Rahman M.K.R., Risoöb B., Singh B., Bhatt R., Bhaumik I.	Physical Sciences	Materials Chemistry and Physics	2021	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101883519&doi=10.1016%2fj.matchemphys.2021.124425&partnerID=40&md5=d7fb50a8d7209b09fb83e136de55a86d
Exploring pentavalent phosphorous bonding in phosphoryl chloride-haloacarbon heterodimers at low temperatures and ab initio Computations	Sruthi P.K., Sarkar S., Ramanathan N., Sundararajan K.	Chemical Sciences	Chemical Physics	2021	0301-0104	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101295278&doi=10.1016%2fj.chemphys.2021.111112&partnerID=40&md5=04c066b7fe1bcdc90e37ac8c4322954
Remedies for hydrogen-embrittlement on Grade-01 steel weld joint during long delay in PWHT	Sunilkumar D., Shaikh H., Dey H.C., Albert S.K.	Engineering Sciences	Welding in the World	2021	0043-2288	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100796221&doi=10.1007%2fs40194-021-01084-5&partnerID=40&md5=701599881113b45f62ee9b27ac9c568
LCGO/LTR based robust control technique for a pressurized water nuclear power plant	Vajpayee V., Becerra V., Bausch N., Deng J., Shimjith S.R	Engineering Sciences	Annals of Nuclear Energy	2021	0306-4549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100066778&doi=10.1016%2fj.anucene.2020.108305&partnerID=40&md5=570280f85ed027075f84fece6721d24b
Investigations on Crystalline Perfection, Raman Spectra and Optical Characteristics of Transition Metal (Ru) Co-Doped MgLiNbO3Single Crystals	Rahman M.K.R., Risoöb B., Bhatt R., Bhaumik I., Ganesan	Physical Sciences	ACS Omega	2021	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105762778&doi=10.1021%2facsomega.1c00452&partnerID=40&md5=1dc37294bfbc8c785e79f4dbff52d468
Estimation of mercury and zinc concentration in the vapour phase by measuring oxygen partial pressure	Ravindranath N.A., Jayaraman V.	Chemical Sciences	Sensors and Actuators, B: Chemical	2021	0925-4005	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103046498&doi=10.1016%2fj.snb.2021.129388&partnerID=40&md5=4b834f3529bd790fdb601a7fe5fbccb
Synthesis, Characterization and sintering of nanocrystalline (U1-yCey)O2±x	Maji D., Ananthasivan K., Venkatakrishnan R., Designan N	Chemical Sciences	Journal of Nuclear Materials	2021	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099790180&doi=10.1016%2fj.jnucmat.2021.152836&partnerID=40&md5=d4872d54a3ec366f0eb04ee13ef6ff5f
Engineering the edge-terminations and defect-density to enhance the electrochemical capacitance performance of vertical graphene nanosheets	Polaki S.R., Sahoo G., Ameen P., Krishna N.G., Kamruddin	Physical Sciences	Applied Surface Science	2021	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099629908&doi=10.1016%2fj.apsusc.2021.149045&partnerID=40&md5=775b61d97c2e0494dc784e4849ac2a56
Anion assisted extraction of U(VI) in alkylammonium ionic liquid: Experimental and DFT studies	Venkateswara Rao C., Rout A., Boda A., Musharaf. Ali S.	Chemical Sciences	Separation and Purification Technology	2021	1383-5866	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098992778&doi=10.1016%2fj.seppur.2020.118275&partnerID=40&md5=2f66951f3bba58629f5e7c577d105fb82
Ethyl Cellulose-Assisted Host-Guest Framework for Depositing Solution-Processed Yttria Films on the Inner Surface of a Narrow Quartz Tube	Mollah M.M.R., Das S., Vinod A.V., Jain A.	Chemical Sciences	Langmuir	2021	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104270528&doi=10.1021%2facs.langmuir.1c00358&partnerID=40&md5=372b2bf18c95f97fc52c263133a3b7da
Temperature- And size-dependent photoluminescence in colloidal CdTe and CdZnS1-xTe quantum dots	Balakrishnan J., Preethi L.K., Sreeshma D., Jagtap A., Mai	Physical Sciences	Journal of Physics D: Applied Physics	2021	0022-3727	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100108471&doi=10.1088%2f1361-6463%2fabd61b&partnerID=40&md5=24c3ee78381e177921cc573b123cf5ca
Recyclable ZnS QDs as an efficient photocatalyst for dye degradation under the UV and visible light	Juine R.N., Sahu B.K., Das A.	Chemical Sciences	New Journal of Chemistry	2021	1144-0546	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103741305&doi=10.1039%2f5nj05588j&partnerID=40&md5=9a9b19709155ccd2ce9e23c835189df6
Fabrication of superhydrophobic and self cleaning PVA-silica fiber coating on 304L SS surfaces by electrospinning	Vanithakumari S.C., Athulya V., George R.P., Philip J.	Physical Sciences	Journal of Applied Polymer Science	2021	0021-8995	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095363618&doi=10.1002%2fapp.50118&partnerID=40&md5=bed4718a88ee526a95d921696d35c6b9e
In-situ detection of early corrosion of ferritic cr-mo steel in aqueous solutions of different anions using laser raman spectroscopy	Thinaharan C., George R.P., Philip J.	Physical Sciences	Journal of the Electrochemical Society	2021	0013-4651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105655400&doi=10.1149%2fi945-71115%2fabf5a9&partnerID=40&md5=e49b15dcfb5a9f92a322309946914802
Trace elemental fingerprinting of Ayurvedic formulation Nishakatakadi using XRF and NAA	Ibrahim S., Musthafa M.M., Aslam M.M., Abdurahman H	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105385120&doi=10.1007%2fs10967-021-07659-2&partnerID=40&md5=89a76aae5aebd3ce53ce54152208c60
Experimental and Numerical Investigation of High-Temperature Low-Cycle Fatigue and Creep-Fatigue Life of Bellows	Krovvidi S.C.S.P.K., Goyal S., Bhaduri A.K.	Engineering Sciences	Journal of Materials Engineering and Performance	2021	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102766088&doi=10.1007%2fs11665-021-05611-9&partnerID=40&md5=e498ecac9af5d47bd23aac4e0d8f84a6
Influence of Stress Ratio and Contact Pressure on Fretting Fatigue Behavior of Modified 9Cr–1Mo Steel	Shiva V., Goyal S., Parthasarathi N.L., Das C.R., Kannan R	Engineering Sciences	Journal of Materials Engineering and Performance	2021	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101843653&doi=10.1007%2fs11665-021-05581-y&partnerID=40&md5=e9591c3c53f5ab8e2d1df939959df4
Effect of nitrogen on grain boundary character distribution in 316 stainless steel	Aamani S., Das C.R., Martha S.K., Panigrahi B.B.	Engineering Sciences	Materials Letters	2021	0167-577X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100440551&doi=10.1016%2fj.matlet.2021.129387&partnerID=40&md5=664234bd3887b11e5c25423c6168d8b
Ceramic based electronic component as retrospective radiation dosimeter	Jakathamani S., Annalakshmi O., Jose M.T., Mathiyarasu	Physical Sciences	Applied Radiation and Isotopes	2021	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100383494&doi=10.1016%2fj.apradiso.2021.109613&partnerID=40&md5=9176bcedcfb4efc8f9846780b4119ca3
Experimental investigation on the phase equilibria in the system Sn–Zr (0–100 at.% Zr) by using "spot-technique" and DTA	Samanta B., Balakrishnan S., Ananthasivan K.	Chemical Sciences	Intermetallics	2021	0966-9795	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100152828&doi=10.1016%2fj.intermet.2020.107082&partnerID=40&md5=58e45b4430e91174f0a938aa5288fbfb8
The standard molar enthalpies of formation of Pb(B12O19)(s) and α-Pb5B(BO3)7(s) by solution calorimetry	Silyamkumar S., Reshmi P.R., Muthuambika T., Parida S.	Chemical Sciences	Journal of Chemical Thermodynamics	2021	0021-9614	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098166395&doi=10.1016%2fj.jct.2020.106351&partnerID=40&md5=3ad1e0e6d89b42b8a728e285092fb1e2
Enhancing the electroactive phases in freestanding flexible films of Mos52/PVDF	Thakur A., Mandeep J., Dam S., Shekar N.V.C., Amarendr	Physical Sciences	Polymer Crystallization	2021	2573-7619	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096751881&doi=10.1002%2fpcr2.10164&partnerID=40&md5=371425ae869f477e623b70274a0da8a
Enhanced Magnetoelectric Effects in Self-Assembled Hemispherical Close-Packed CoFe2O3-Pb(Zr0.52Ti0.48)O3 Thin Film	Meenachisundaram S., Wakiya N., Muthumithchelvan C	Physical Sciences	Journal of Electronic Materials	2021	0361-5235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092906083&doi=10.1007%2fs11664-020-08500-6&partnerID=40&md5=2585b670b6557a10d385f90057825d42e
Magnetoelectric Studies of Close-Packed and Hierarchically Ordered CoFe2O4/Pb(Zr0.52Ti0.48)O3/La0.65Ca0.04Sr0.31MnO3 Multiferroic Thin Films	Meenachisundaram S., Wakiya N., Muthumithchelvan C	Physical Sciences	Journal of Electronic Materials	2021	0361-5235	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092611890&doi=10.1007%2fs11664-020-08520-0&partnerID=40&md5=d2e08fefec4c3d4339e0062166ed59d9
Electrochemical deposition of nanocrystalline aluminum from a protic ionic liquid on mild steel	Bhujbal A.V., Venkatesan K.A., Bhanage B.M.	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092930666&doi=10.1016%2fj.molliq.2021.115275&partnerID=40&md5=0dd3ee033d0a841233fc9ce7b314ac80
Enhanced corrosion protection of reinforcement steel with nanomaterial incorporated fly ash based cementitious coating	Rooby D.R., Kumar T.N., Harilal M., Sofia S., George R.P.,	Physical Sciences	Construction and Building Materials	2021	0950-0618	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092577378&doi=10.1016%2fj.conbuildmat.2020.122013&partnerID=40&md5=d83296c1b1f842e8b4ff84f158b2412c
Probing the site occupancy of dopants in deep red-NIR emitting LiAlSiO8: Eu3+, Cr3+ and Fe3+ nano phosphors using photoluminescence and X-ray absorption spectroscopy	Panda S., Vinodkumar P., Sahoo M., Madhusoodanan U	Chemical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094563278&doi=10.1016%2fj.jallcom.2020.157615&partnerID=40&md5=722fd022ad24a4a50fb3c43576caec9
Nitrogen as a pnicogen?: evidence for n-hole driven novel pnicogen bonding interactions in nitromethane-ammonia aggregates using matrix isolation infrared spectroscopy andab initiocomputations	Chandra S., Suryaprasad B., Ramanathan N., Sundararaj	Chemical Sciences	Physical Chemistry Chemical Physics	2021	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097006536&doi=10.1039%2fd0cp06273a&partnerID=40&md5=e57764d299c5679b4acb1d7096061336
A novel mechanism for understanding the strong enhancement of photoluminescence quantum yield in large-area monolayer MoS2grown by CVD	Madapu K.K., Bhuyan C.A., Srivastava S.K., Dhara S.	Physical Sciences	Journal of Materials Chemistry C	2021	2050-7534	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102933746&doi=10.1039%2fd0tc05263a&partnerID=40&md5=539c49a20d27a3a382c8fc3529264fa3
The chloride-induced corrosion of a fly ash concrete with nanoparticles and corrosion inhibitor	Harilal M., Kamde D.K., Uthaman S., George R.P., Pillai R	Engineering Sciences,Physical Scie	Construction and Building Materials	2021	0950-0618	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084738028&doi=10.1016%2fj.conbuildmat.2020.122097&partnerID=40&md5=4bfcce1e64e4e292762155b0b527cfb21
Unexpected Coordination Modes of Biphosphoramides with Lanthanum(III) and Thorium(IV) Salts: Synthesis, Structural Characterization, Stability, and Extraction Studies	Goud E.V., Vijai Anand A.S., Pallepogu R., Brahmmanan	Chemical Sciences	ChemistrySelect	2021	2365-6549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102029325&doi=10.1002%2fslct.202004516&partnerID=40&md5=52bc5e3e51632b1edcdbd828fd07e6e
Novel reduced-activation TiVCrFe based high entropy alloys	Carruthers A.W., Li B.S., Rigby M., Raquet L.C., Mythili R	Engineering Sciences,Physical Scie	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092671886&doi=10.1016%2fj.jallcom.2020.157399&partnerID=40&md5=37fc520ad85ca18933f1a4bad52a339
Evaluation of tensile properties of thermally aged 316LN stainless steel with varying nitrogen content using ABI technique	Ganesh Kumar J., Prasad Reddy G.V., George A., Saikum	Engineering Sciences	Materials Science and Engineering A	2021	0921-5093	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099583746&doi=10.1016%2fj.msea.2021.140819&partnerID=40&md5=6cd119e20f47ae57e4e8f8ec792b50
Tensile Flow Analysis of Austenitic Type 316LN Stainless Steel: Effect of Nitrogen Content	Palaparti D.P.R., Ganesan V., Christopher J., Reddy G.V.P	Engineering Sciences	Journal of Materials Engineering and Performance	2021	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102362171&doi=10.1007%2fs11665-021-05464-y&partnerID=40&md5=e9607dfbe4d28b144fe84dae904f5327
Hydrophilic-hydrophilic mixed micellar system: effect on solubilization of drug	Eshlinani V.C., Karunanithi P., Sarangi B., Joshi R.G., Dasi	Physical Sciences	SN Applied Sciences	2021	2523-3971	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105756528&doi=10.1007%2fs42452-021-04250-y&partnerID=40&md5=551d612fd24bd93042631f943ecf9\,
A remote conductometric titration method for simultaneous determination of uranium and nitric acid concentrations at elevated temperatures	Parthasarathy S., Ganesh Kumar V., Subbarao R.V.	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105385120&doi=10.1007%2fs10967-020-07581-x&partnerID=40&md5=7b9f158e69fca9a93b087770b0cdd1d809
Synthesis of novel chromium carbide using laser heated diamond anvil cell	Arpita Aparajita A.N., Sanjay Kumar N.R., Chandra S., Ch	Physical Sciences	Journal of Solid State Chemistry	2021	0022-4596	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081350518&doi=10.1016%2fj.jssc.2020.121898&partnerID=40&md5=4907985fe1e326778707ce66f87c0
A very low temperature (170 °C) crystallization of amorphous-Ge thin film on glass via Au induced layer exchange process in amorphous-Ge/GeOx/Au/glass stack and electrical characterization	Kishan Singh C., Amaladass E.P., Parida P.K., Sain T., Ilan	Physical Sciences	Applied Surface Science	2021	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097581721&doi=10.1016%2fj.apsusc.2020.148679&partnerID=40&md5=8b2d5d5d0938e1d3b13d3ed7293e92ce
Austenitic transformation and influence of prior ferrite formation on martensite transformation characteristics of Al-added P91 ferritic-martensitic steel	Haribabu S., Sudha C., Srihari V., Raju S.	Engineering Sciences	Journal of Nuclear Materials	2021	0022-3115	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105824778&doi=10.1016%2fj.jnucmat.2020.152637&partnerID=40&md5=d2e0c4957a4dbb806a070e0b9613e991
Study of microstructural transition in dissimilar weld joint from as-welded to PWHT condition using electron backscattered imaging	Awale D.D., Vijayanand V.D., Ballal A.R., Thawre M.M., P	Engineering Sciences	Materials Letters	2021	0167-577X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097329475&doi=10.1016%2fj.matlet.2020.129080&partnerID=40&md5=6a41d7c97b69953f8eb2be46238a2684
Effect of Oxygen and Aluminum Incorporation on the Local Structure of GaN Nanowires: Insight from Extended X-ray Absorption Fine Structure Analysis	Panda S., Sahoo M., Abharana A., Tromer R.M., Galvao	Physical Sciences	Journal of Physical Chemistry C	2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101901031&doi=10.1021%2facs.jpcc.0c10609&partnerID=40&md5=fefb487adb3c2bada0eccc907dc16101
Synthesis of water dispersible phosphate capped CoFe2O4 nanoparticles and its applications in efficient organic dye removal	Muthukumaran T., Philip J.	Physical Sciences	Colloids and Surfaces A: Physicochemical and Engineering Aspe	2021	0927-7757	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098539897&doi=10.1016%2fj.colsurfa.2020.125755&partnerID=40&md5=a49f328fa954a0ba1ce1062d67df5c09
Understanding alkali oxide induced structural modification at different length-scales in tellurite glasses for improved optical properties	Chakraborty S., Singh L.H., Sharma G.K., Ravindran T.R.	Physical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091353974&doi=10.1016%2fj.jallcom.2020.156090&partnerID=40&md5=7ef9b34513b3a1e992a442996a2d063b
Diamond-gold nanohybrids – an enhanced cathode material for field electron emitter applications	Sankaran K.J., Kurian J., Sundaravel B., Lin I.-N., Haenen	Physical Sciences	Journal of Physics D: Applied Physics	2021	0022-3727	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097197850&doi=10.1088%2f1361-6463%2fabbf17&partnerID=40&md5=f51f89922acbf8b2d2c49fa0c3e1b906
Development of silicon carbide interlayers for plasma spray yttria topcoat on graphite for high-temperature applications	Vetrivendan E., Madhura B., Rao Ch.J., Ningshen S., Mua	Chemical Sciences	Materials Performance and Characterization	2021	2165-3992	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105210720&doi=10.1520%2fMPC20200145&partnerID=40&md5=2de764b81fd15ba92ad602e0737a271
Creep Properties of Intercritical Heat Treated Boron Added Modified 9Cr–1Mo Steel	Sakthivel T., Das C.R., Laha K., Sasikala G.	Engineering Sciences	Metals and Materials International	2021	1598-9623	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100740691&doi=10.1007%2fs12540-019-00377-1&partnerID=40&md5=6b7342961e3b9555e85a8d30ed82c915c
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Microstructure and Mechanical Properties Relationship of Friction Stir- and A-GTA-Welded 9Cr–1Mo to 2.25Cr–1Mo Steel	Sunilkumar D., Muthukumaran S., Vasudevan M., Reddy	Engineering Sciences	Journal of Materials Engineering and Performance	2021	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090463376&doi=10.1007%2fs11665-020-05426-0&partnerID=40&md5=2c075d058bb2327dd70ec564e03f41ae
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High-Temperature Air and Steam Oxidation and Oxide Layer Characteristics of Alloy 617	Archana M., Rao C.J., Ningshen S., Philip J.	Chemical Sciences,Physical Science	Journal of Materials Engineering and Performance	2021	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098501896&doi=10.1007%2fs11665-020-05367-8&partnerID=40&md5=c95797f16187f421bded1f2dbd4560b1
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Evaluation of tensile properties of various regions of creep exposed dissimilar weld joint using miniature specimen testing	Awale D.D., Vijayanand V.D., Ballal A.R., Thawre M.M., D	Engineering Sciences	Engineering Failure Analysis	2021	1350-6307	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096854437&doi=10.1016%2fj.engfailanal.2020.105076&partnerID=40&md5=148adcc99cf6cd64c1dc9c87319f42
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Assessment of Notch Effect Based on Finite Element Analysis and Digital Image Correlation Technique	Kumar A., Chattanya G.M.S.K., Goyal S., Goswami M., Ra	Engineering Sciences	Steel Research International	2021	1611-3683	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092610009&doi=10.1002%2srin.202000376&partnerID=40&md5=43377e8de3ed954155f64d25e62612
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Optimized Au NRs for efficient SERS and SERRS performances with molecular and longitudinal surface plasmon resonance	Sahu B.K., Dwivedi A., Pal K.K., Pandian R., Dhara S., Das	Physical Sciences	Applied Surface Science	2021	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091076381&doi=10.1016%2fj.apsusc.2020.147615&partnerID=40&md5=347956da0d9f1e01c2f3fc2f6e236ded
Influence of varying nitrogen on creep deformation behaviour of 316LN austenitic stainless steel: in the framework of the state-variable approach	Praveen C., Christopher J., Ganesan V., Reddy G.V.P., Alil	Engineering Sciences	Materials Science and Engineering A	2021	0921-5093	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096610537&doi=10.1016%2fj.msea.2020.140503&partnerID=40&md5=52d08ef00bd73738381dc937fea b40c5c5
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Ab Initio Study of Adsorption of Fission-Gas Atoms Xe and Kr on Mo52Mnmolayer Functionalized with 3d Transition Metals	Gangwar R., Pandey D., Kancharapalli S., Raychaudhuri	Chemical Sciences,Physical Science	Journal of Physical Chemistry C	2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099640956&doi=10.1021%2facs.jpcc.0c08888&partnerID=40&md5=a195082fdc571a96e15822cbb165c41de
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Role of Bell-CHSH violation and local filtering in quantum key distribution	Singh J., Ghosh S., Arvind, Goyal S.K.	Physical Sciences	Physics Letters, Section A: General, Atomic and Solid State Phy	2021	0375-9601	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099513096&doi=10.1016%2fj.physleta.2021.127158&partnerID=40&md5=5c28ba0bcf4e334ebb3ffc14bc300c3
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Measurement of ion backflow fraction in GEM detectors	Tripathy A., Sahu P.K., Swain S., Sahu S.	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Section	2021	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110611802&doi=10.1016%2fj.nima.2021.165596&partnerID=40&md5=b210cdde61c4da519b847874c88cfd9
BigApple force and its implications to finite nuclei and astrophysical objects	Das H.C., Kumar A., Kumar B., Biswal S.K., Patra S.K.	Physical Sciences	International Journal of Modern Physics E	2021	0218-3013	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119928388&doi=10.1142%2S0218301321500889&partnerID=40&md5=fa1e6c2d4f6d203cc38a89e7289a757e
Measurement of the production cross section of prompt Ξc0 baryons at midrapidity in pp collisions at √s = 5.02 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri R	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118178787&doi=10.1007%2fJHEP10%282021%2915&partnerID=40&md5=d61089042b887ffcd70bb11a7d4813fa
Anisotropic flow of identified hadrons in Xe-Xe collisions at √sNN = 5.44 TeV	Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agn	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118119999&doi=10.1007%2fJHEP10%282021%2915&partnerID=40&md5=4d94281da5a60b954e3281916c08635
K∗(892)0 - and (anti-) Λ -hadron correlations in pp collisions at √s=13 TeV	Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agn	Physical Sciences	European Physical Journal C	2021	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117913393&doi=10.1140%2epjc%2fs10052-021-09578-5&partnerID=40&md5=83e524a7d4796d2194ba95a4fef00969
MHV gluon scattering amplitudes from celestial current algebras	Banerjee S., Ghosh S.	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117267775&doi=10.1007%2fJHEP10%282021%2911&partnerID=40&md5=496fd7ec59fda8861ce821b11945555f
Hierarchy of higher-order topological superconductors in three dimensions	Ghosh A.K., Nag T., Saha A.	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117085564&doi=10.1103%2PhysRevB.104.134508&partnerID=40&md5=8204e5e5b42f05c2bc95ae211cf2ff8
Morphological, optical, catalytic and photocatalytic properties of RF magnetron sputtered Au-Cu2O-CuO nanocomposite thin films	Sahu K., Bisht A., Dutta A., Som T., Mohapatra S.	Physical Sciences	Surfaces and Interfaces	2021	2468-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116468976&doi=10.1016%2fj.surfin.2021.101436&partnerID=40&md5=3ef91e9fd9823ce683e0ef583671da76
Oxygen vacancy assisted condensation of DNA molecule observed on ZnO thin film	Pal C., Varma S., Majumder S.	Physical Sciences	Biophysical Chemistry	2021	0301-4622	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115435448&doi=10.1016%2fj.bpc.2021.106659&partnerID=40&md5=851cbf539b5b1a8d563c39d95aa158b4
Ion Beam-Mediated Defect Engineering in TiO2Thin Films for Controlled Resistive Switching Property and Application	Hasina D., Kumar M., Singh R., Mollick S.A., Mitra A., Sra	Physical Sciences	ACS Applied Electronic Materials	2021	2637-6113	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114323659&doi=10.1021%2acsaelm.1c00417&partnerID=40&md5=876706ce71a1d82f82c9408dddcae584e
Dark matter admixed neutron star as a possible compact component in the GW190814 merger event	Das H.C., Kumar A., Patra S.K.	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hig	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115379770&doi=10.1103%2PhysRevD.104.063028&partnerID=40&md5=476bd9ca3507ab0ead9ab0014e76d7eb
First measurement of coherent ρ0 photoproduction in ultra-peripheral Xe-Xe collisions at sNN=5.44 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri R	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hig	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111237259&doi=10.1016%2fj.physletb.2021.136481&partnerID=40&md5=9d149c3094a707999d7677d13ae601fc
W+W−H production through bottom quarks fusion at hadron colliders	Agrawal P., Das B.	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hig	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110206676&doi=10.1016%2fj.physletb.2021.136461&partnerID=40&md5=7888c9ddcddde85297e556c000386d6c
jet fragmentation transverse momentum distributions in pp and p-Pb collisions at √s , √sNN = 5.02 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri R	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106399191&doi=10.1007%2fJHEP05%282021%2921&partnerID=40&md5=ed4ea6cdcbd09f7d99f410b115a7c9
Tailoring magnetism in spinel vanadate CoV2O4epitaxial thin films	Behera B.C., Sabat G., Bhat S.Q., Sarangi S.N., Sekhar B.R	Physical Sciences	Journal of Physics Condensed Matter	2021	0953-8984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111003553&doi=10.1088%2f1361-648X%2fac9e6f&partnerID=40&md5=595dcbe255ce01e212cdf690c59ef961
Multihamonic Correlations of Different Flow Amplitudes in Pb-Pb Collisions at sNN =2.76 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri R	Physical Sciences	Physical Review Letters	2021	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111415976&doi=10.1103%2PhysRevLett.127.092302&partnerID=40&md5=10958d6d4808fbf501097fe2397e2bbaad
Heavy Magnetic Neutron Stars	Rather I.A., Rahaman U., Dexheimer V., Usmani A.A., Pal	Physical Sciences	Astrophysical Journal	2021	0004-637X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113371824&doi=10.3847%2F1538-4357%2fac0f97&partnerID=40&md5=8e0014e3b52562881fdb36fe93f527ee4
Type-III see-saw: Phenomenological implications of the information lost in decoupling from high-energy to low-energy	Ashanujjaman S., Ghosh K.	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hig	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110341328&doi=10.1016%2fj.physletb.2021.136403&partnerID=40&md5=d53ce812a4ebaadea2fc2b17bf8a694
Jet-associated deuteron production in pp collisions at s=13 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri R	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hig	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109446551&doi=10.1016%2fj.physletb.2021.136440&partnerID=40&md5=e2ba7210115ec73ec15c99f470db62c
Inclusive heavy-flavour production at central and forward rapidity in Xe–Xe collisions at sNN=5.44 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri R	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hig	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108794948&doi=10.1016%2fj.physletb.2021.136437&partnerID=40&md5=9ba4d276a8d05d69f9e92f28482ab9
Energy dependence of ϕ meson production at forward rapidity in pp collisions at the LHC	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri R	Physical Sciences	European Physical Journal C	2021	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113707443&doi=10.1140%2epjc%2fs10052-021-09545-3&partnerID=40&md5=3b9b04c4aa28983f440310f27cf35702
Critical behavior of magnetic polymers in two and three dimensions	Foster D.P., Majumdar D.	Physical Sciences	Physical Review E	2021	2470-0045	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113543804&doi=10.1103%2PhysRevE.104.024122&partnerID=40&md5=f26e97bdc3e2a6c5d958d41a0c324e304
Validating the Earth's core using atmospheric neutrinos with ICAL at INO	Kumar A., Agarwalla S.K.	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113490552&doi=10.1007%2fJHEP08%282021%2913&partnerID=40&md5=a2fbd8132bf013b4f75942e272d9f7
Subsubleading soft graviton symmetry and MHV graviton scattering amplitudes	Banerjee S., Ghosh S., Samal S.S.	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112713094&doi=10.1007%2fJHEP08%282021%2907&partnerID=40&md5=b1901b4e483960351fc6e70ae5debd67
Synthesis of lateral heterostructure of 2D materials for optoelectronic devices: challenges and opportunities	Kundu B., Mohanty P., Kumar P., Nayak B., Mahato B., R	Physical Sciences	Emergent Materials	2021	2522-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106518390&doi=10.1007%2s42247-021-00219-0&partnerID=40&md5=bffc06495ea67470f8b8020e3d72badb
Nitrogen vacancy and hydrogen substitution mediated tunable optoelectronic properties of g-C3N4 2D layered structures: Applications towards blue LED to broad-band photodetection	Ghosh A., Saini H., Sarkar A., Guha P., Samantara A.K., T	Chemical Sciences	Applied Surface Science	2021	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105248518&doi=10.1016%2fj.apsusc.2021.149773&partnerID=40&md5=2497872673c4cce70c4bd69e4c34e46
Soft-Dielectron Excess in Proton-Proton Collisions at s =13 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal	Physical Sciences	Physical Review Letters	2021	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111541130&doi=10.1103%2PhysRevLett.127.042302&partnerID=40&md5=5bf4b7e76ef8e30cd0a0462e34ea8170
Strongly antireflective nano-textured Ge surface by ion-beam induced self-organization	Datta D.P., Som T.	Physical Sciences	Solar Energy	2021	0038-092X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107062178&doi=10.1016%2fj.solener.2021.05.016&partnerID=40&md5=cdd8dc2c63e201d0cfd91a820505dec9
Measurements of mixed harmonic cumulants in Pb–Pb collisions at sNN=5.02 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri R	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hig	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110424608&doi=10.1016%2fj.physletb.2021.136354&partnerID=40&md5=f09dde3f509ccbc7fb0975528495d6e
Pseudorapidity distributions of charged particles as a function of mid- and forward rapidity multiplicities in pp collisions at √s = 5.02, 7 and 13 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal	Physical Sciences	European Physical Journal C	2021	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113204292&doi=10.1140%2epjc%2fs10052-021-09349-5&partnerID=40&md5=4a59f0293a89ed8c0d7e402daaa38db8
Production of pions, kaons, (anti-)protons and ϕ mesons in Xe–Xe collisions at √sNN = 5.44 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri R	Physical Sciences	European Physical Journal C	2021	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111720087&doi=10.1140%2epjc%2fs10052-021-09304-4&partnerID=40&md5=895f8f7a9dfebb25d582c7d0488c8f0e
The kinks in charge radii across N = 82 and 126 revisited	Bhuyan M., Maheshwari B., Kassim H.A., Yusof N., Patra	Physical Sciences	Journal of Physics G: Nuclear and Particle Physics	2021	0954-3899	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105766334&doi=10.1088%2f1361-6471%2fabf7d7&partnerID=40&md5=8d64ad39b249a86c34d524e7e354c749
Evidence for spin-orbit and e-e Coulomb interaction from a magnetotransport study on CaCu3Ru4 O12 thin films	Jana S., Senapati T., Samal D.	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108026035&doi=10.1103%2PhysRevB.103.245109&partnerID=40&md5=4a4ff9906ff9ed05e53d93e59d424e19
First measurement of the |t|-dependence of coherent J/ψ photonuclear production	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri R	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hig	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105072518&doi=10.1016%2fj.physletb.2021.136208&partnerID=40&md5=b789c8ae66bb1d49b2f19b5d4bf48a9
Director boson production in association with a Higgs boson at hadron colliders	Agrawal P., Saha D., Shivaji A.	Physical Sciences	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087811010&doi=10.1103%2PhysRevD.103.116020&partnerID=40&md5=e51befcaafac1dcd2ce4bfefd34f9f4c
Minimal and nonminimal universal extra dimension models in the light of LHC data at 13 TeV MINIMAL AND NONMINIMAL UNIVERSAL EXTRA DIMENSION ... AΛNSH, GHOSH, JHA, and NIKOLI	Avnish, Ghosh K., Jha T., Nyogi S.	Physical Sciences	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108190576&doi=10.1103%2PhysRevD.103.115011&partnerID=40&md5=3fb600e6371abbf4c4e98ee833ac59c1
Understanding temporal evolution of microstructures on metal-assisted chemically etched Ge surface and its applications	Dutta A., Alam Mollick S., Maiti P., Som T.	Physical Sciences	Solar Energy	2021	0038-092X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104501992&doi=10.1016%2fj.solener.2021.04.028&partnerID=40&md5=a6f39c54ecc05544804e60bf30eab986
Measurement of transverse single-spin asymmetries of π0 and electromagnetic jets at forward rapidity in 200 and 500 GeV transversely polarized proton-proton collisions MEASUREMENT OF TRANSVERSE SINGLE-SPIN ASYMMETRIES ... ADAM, Adam, et al.	Adam J., Adamczyk L., Adams J.R., Adkins J.K., Agakishiev	Physical Sciences	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107301897&doi=10.1103%2PhysRevD.103.092009&partnerID=40&md5=443ba5a5989ebf6386906cd376031b61
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Role of microscopic temperature-dependent binding energies in the decay of Si + 32 formed in the O 20 + C 12 reaction	Kaur M., Singh B., Patra S.K.	Physical Sciences	Physical Review C	2021	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107283304&doi=10.1103%2PhysRevC.103.054608&partnerID=40&md5=ccc1010626a82eec5e48325e3ab26a89
Ali femtoscopy in Pb-Pb collisions at sNN =2.76 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal	Physical Sciences	Physical Review C	2021	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106384742&doi=10.1103%2PhysRevC.103.055201&partnerID=40&md5=b43c9ff17cf0ba37f55b799ea24b0a8d
Reference plane for the electronic states in thin films on stepped surfaces	Moras P., Mentes T.O., Schiller F., Ferrari L., Topwal D., L	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105539560&doi=10.1103%2PhysRevB.103.165426&partnerID=40&md5=6dbd0f9d91ed084d894435e60f692dcf
Elliptic flow of Electrons from Beauty-Hadron Decays in Pb-Pb Collisions at sNN =5.02 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal	Physical Sciences	Physical Review Letters	2021	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105687703&doi=10.1103%2PhysRevLett.126.162001&partnerID=40&md5=b9c2f156854e5be92f4d162afc185e4
First measurement of quarkonium polarization in nuclear collisions at the LHC	Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hig	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101795363&doi=10.1016%2fj.physletb.2021.136146&partnerID=40&md5=357894c78d546b71f79290df895ba66b
Nominal Effect of Mg Intercalation on the Superconducting Properties of ZrH-NbSe2	Naik S., Kalaiarasan S., Nath R.C., Saranga S.N., Sahu A.K	Chemical Sciences,Physical Science	Inorganic Chemistry	2021	0020-1669	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103469982&doi=10.1021%2acs.inorgchem.0c03545&partnerID=40&md5=54e45ea89a9c7c66ca94594e2c98154
Observation of Dirac-like surface state bands on the top surface of BiSe	Lohani H., Mishi K., Ganesan R., Gonzalez S., Di Santo G.	Physical Sciences	EPL	2021	0295-5075	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107467409&doi=10.1209%2F0295-5075%2F134%2F27001&partnerID=40&md5=5f49fb215ce95ead7dea6d0fe9ff0bc6
Production of light-flavor hadrons in pp collisions at √s=7and√s=13TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal	Physical Sciences	European Physical Journal C	2021	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103533908&doi=10.1140%2epjc%2fs10052-020-08690-5&partnerID=40&md5=815620f06128118be2c13180d01364ab3
Transverse momentum and event-shape dependence of D-meson flow harmonics in Pb–Pb collisions at sNN=5.02TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hig	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099455076&doi=10.1016%2fj.physletb.2020.136058&partnerID=40&md5=cfc52e9a26f49b8b493ac8115a70aa5
Pion–kaon femtoscopy and the lifetime of the hadronic phase in Pb–Pb collisions at sNN=2.76 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hig	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098075216&doi=10.1016%2fj.physletb.2020.136030&partnerID=40&md5=2f1be0ff7f0c1c7380bfba6233b8e0c
Centrality dependence of J/ψ and ψ(2S) production and nuclear modification in p-Pb collisions at sNN = 8.16 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103805313&doi=10.1007%2FJHEP02%282021%2902&partnerID=40&md5=f97930929706f8b95e169c36ba4e2ee3e
X-ray photoemission studies of the interaction of metals and metal ions with DNA	Mishra E., Majumder S., Varma S., Dowben P.A.	Physical Sciences	Zeitschrift fur Physikalische Chemie	2021	0942-9352	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119497759&doi=10.1515%2zpch-2021-3037&partnerID=40&md5=5b20283c58acf0bd973e9e2001c693ec
Exploring the a-decay chain of 302122 within relativistic mean-field formalism	Panigrahi M., Panda R.N., Bhuyan M., Patra S.K.	Physical Sciences	Canadian Journal of Physics	2021	0008-4204	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107654388&doi=10.1139%2cjp-2020-0296&partnerID=40&md5=38c6e550e46cc310cc1c17271bac591
Comparative evaluation of surface-modified zirconia for the growth of bone cells and early osseointegration	Majhi R., Majhi R.K., Garhnayak L., Patra T.K., Dhal A., N	Life Sciences	Journal of Prosthetic Dentistry	2021	0022-3913	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107005313&doi=10.1016%2fj.prosdent.2021.04.014&partnerID=40&md5=d3467139bf0d2f017c4bbd09df8be
A bridge between finite and infinite nuclear matter	Biswal S.K., Singh S.K., Bhuyan M., Panda R.N., Patra S.K	Physical Sciences	Canadian Journal of Physics	2021	0008-4204	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105423306&doi=10.1139%2cjp-2020-0104&partnerID=40&md5=58c89b4c77a8d341769b3bfb6e63464
Evidence for weak-antilocalization–weak-localization crossover and metal-insulator transition in CaCu3Ru4O12 thin films	Jana S., Bhat S.G., Behera B.C., Patra L., Kumar P.S.A., Na	Physical Sciences	EPL	2021	0295-5075	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103017861&doi=10.1209%2F0295-5075%2F133%2F17005&partnerID=40&md5=1631d4c54cda785ce6d85e2ce4f19f4
Filament-motor protein system under loading: instability and limit cycle oscillations	Shee A., Ghosh S., Chaudhuri D.	Physical Sciences	Soft Materials	2021	1539-445X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101274833&doi=10.1080%2f1539445X.2021.1887221&partnerID=40&md5=90bce7c2e57b8b52501a06bf1d65d97
All-sky search for short gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run	Abbott R., Abbott T.D., Acernese F., Ackley K., Adams C.,	Engineering Sciences,Physical Scier	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122352068&doi=10.1103%2PhysRevD.104.122004&partnerID=40&md5=c289e86e48ba9e566b2040bbea205be4
Search for Lensing Signatures in the Gravitational-Wave Observations from the First Half of LIGO-Virgo's Third Observing Run	Abbott R., Abbott T.D., Abraham S., Acernese F., Ackley	Engineering Sciences,Physical Scier	Astrophysical Journal	2021	0004-637X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122604880&doi=10.3847%2f1538-4357%2fac23d6&partnerID=40&md5=e37fd309690d023a9845ae49a136789
Electronic phase derived impedance spectroscopic behavior of La0.5Nd0.2A0.3MnO3 manganites	Yadgema V.S., Gadani K., Udeshi B., Gal M., Rathod K.N.	Physical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111789204&doi=10.1016%2fj.jallcom.2021.160930&partnerID=40&md5=00c70bc0f1bf9ed85a50dee213cb6e6
Lane dynamics in pair-ion plasmas: Effect of obstacle and geometric aspect ratio	Baruah S., Prajapati V.K., Ganesh R.	Physical Sciences	Journal of Plasma Physics	2021	0022-3778	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118885779&doi=10.1017%2S0022377821001008&partnerID=40&md5=b3ea9eba9f90e02c1437b64e034173d9
Effect of magnetic field on optical emission from cold atmospheric pressure micro-plasma jet	Barman K., Mudgal M., Rane R., Bhattacharjee S.	Physical Sciences	Physics of Plasmas	2021	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120611703&doi=10.1063%2f5.0069126&partnerID=40&md5=fe658e49f5efec2307ac9cd4c6afce2b
Excitation of electrostatic standing wave in the superposition of two counter propagating relativistic whistler waves	Karmakar M., Sengupta S., Patel B.	Physical Sciences	Physica Scripta	2021	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118528710&doi=10.1088%2f1402-4896%2fac2b43&partnerID=40&md5=57c52ea356617d247bab709e6f8e6ad8
Trapped particle instability in : II homogeneous Vlasov plasmas	Pandey S.K., Ganesh R.	Physical Sciences	Physica Scripta	2021	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116359559&doi=10.1088%2f1402-4896%2fac25a2&partnerID=40&md5=1bc7131d95d6532018d8f29fdadcd4b
Trapped particle instability in : II homogeneous Vlasov plasmas	Pandey S.K., Ganesh R.	Physical Sciences	Physica Scripta	2021	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116353015&doi=10.1088%2f1402-4896%2fac25a1&partnerID=40&md5=4cbcdc8ff335f61bd73e847099cdcb044
A diagnostic for measuring radial profile of visible continuum radiation from ADITYA-U Tokamak Plasmas	Chowdhuri M.B., Manchanda R., Ghosh J., Yadava N., Pa	Engineering Sciences,Physical Scier	Fusion Engineering and Design	2021	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115950069&doi=10.1016%2fj.fusengdes.2021.112884&partnerID=40&md5=326c28f677d2d835250fe01ff166941d
Design of a 3.7 GHz, 1 kW CW hybrid radial power divider for LHCD system of SST-1 Tokamak	Sainkar S.R., Jadhav A., Cheeran A.N., John J., Sharma P.	Physical Sciences	Fusion Engineering and Design	2021	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115888262&doi=10.1016%2fj.fusengdes.2021.112864&partnerID=40&md5=07dd53aace48cd667fec266e37392d47
Dynamics of the multispecies colliding plasmas of different atomic masses	Mondal A., Kumar B., Singh R.K., Joshi H.C.	Physical Sciences	Pramana - Journal of Physics	2021	0304-4289	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115301494&doi=10.1007%2fs12043-021-02196-5&partnerID=40&md5=cae6e5bd4aa10383eb1b39253369d546
Semiconducting nature and magnetoresistance behaviour of ZnO / La0.3Ca0.7MnO3 / SrTiO3 heterostructures	Venkateshwarlu D., Dadhich H., Rajyaguru B., Hans S., R	Physical Sciences	Materials Science in Semiconductor Processing	2021	1369-8001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115431338&doi=10.1016%2fj.mssp.2021.106156&partnerID=40&md5=79d18d2d9c3e18c8fc0a8ef7b4ea33b7
A molecular dynamics study of displacement cascades and radiation induced amorphization in LiZTiO3	Sahoo D.R., Chaudhuri P., Swaminathan N.	Engineering Sciences	Computational Materials Science	2021	0927-0256	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112792828&doi=10.1016%2fj.commatsci.2021.110783&partnerID=40&md5=fe2b4aaa092c348c1f0f8b9431e4e73a
Generalization of the Stability Condition for the Semi-Implicit Formulation of the Radial Impurity Transport Equation in Tokamak Plasma in Terms of the Magnetic Flux Surface Compression	Bhattacharya A., Ghosh J., Chowdhuri M.B., De A.	Physical Sciences	Journal of Fusion Energy	2021	0164-0313	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113184962&doi=10.1007%2fs10894-021-00308-2&partnerID=40&md5=c1ef08523e56f0f5e9d4a579ce0f3fe
Exact solution of Hartemann–Luhmann equation of motion for a charged particle interacting with an intense electromagnetic wave/pulse	Mishra S.K., Sengupta S.	Physical Sciences	European Physical Journal: Special Topics	2021	1951-6355	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112659269&doi=10.1140%2epjst%2fs11734-021-00260-4&partnerID=40&md5=9ee3b29595b456eecd9bfe21073a5f2cd
Experimental Studies on Applications of Atmospheric Pressure Air Plasma for Eco-friendly Processing of Textiles and Allied Material	Chandwani N., Jain V., Dave P., Dave H., Jhala P.B., Nema	Chemical Sciences	Journal of The Institution of Engineers (India): Series E	2021	2250-2483	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104415848&doi=10.1007%2fs40034-021-00219-z&partnerID=40&md5=c114ece4f3e6bc87f88a30fc94f3cd7b
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On the resonance absorption in laser-driven deuterium cluster	Mahalik S.S., Kundu M.	Physical Sciences	European Physical Journal: Special Topics	2021	1951-6355	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104750559&doi=10.1140%2epjst%2fs11734-021-00029-9&partnerID=40&md5=17ecc59c9ed33626d10de04e1aef6722
Large scale synthesis of copper nickel alloy nanoparticles with reduced compressibility using arc thermal plasma process	Das S.K., Das A., Gabardi M., Pollastri S., Dhamale G.D.	Physical Sciences	Scientific Reports	2021	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104024970&doi=10.1038%2fs41598-021-86776-0&partnerID=40&md5=6c3f9e555de3e18ba1a13b7d9302a
Chitosan functionalized Halloysite Nanotubes as a receptive surface for laccase and copper to perform degradation of chlorpyrifos in aqueous environment	Tharmavaram M., Pandey G., Bhatt P., Prajapati P., Rawa	Physical Sciences	International Journal of Biological Macromolecules	2021	0141-8130	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116073985&doi=10.1016%2fj.ijbiomac.2021.09.098&partnerID=40&md5=c582ad0e1e78bcd125fc9282ae96edca
Constraints from LIGO O3 Data on Gravitational-wave Emission Due to R-modes in the Glitching Pulsar PSR J0537-6910	Abbott R., Abbott T.D., Abraham S., Acernese F., Ackley	Engineering Sciences,Physical Scier	Astrophysical Journal	2021	0004-637X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112108407&doi=10.3847%2f1538-4357%2fac0d52&partnerID=40&md5=62ba8e4c2ca3fae351e82d52e8fb0db9
All-sky search for long-duration gravitational-wave bursts in the third Advanced LIGO and Advanced Virgo run	Abbott R., Abbott T.D., Acernese F., Ackley K., Adams C.,	Engineering Sciences,Physical Scier	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120443427&doi=10.1103%2PhysRevD.104.102001&partnerID=40&md5=9c72a41a5882b2f2d7d8ba15b4bb26832
Searches for continuous gravitational waves from young supernova remnants in the early third observing run of advanced LIGO and Virgo	Abbott R., Abbott T.D., Abraham S., Acernese F., Ackley	Engineering Sciences,Physical Scier	Astrophysical Journal	2021	0004-637X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120464845&doi=10.3847%2f1538-4357%2fac17ea&partnerID=40&md5=76c7cbe1304c2392d0f3ebea84bb5007
Effect of particle mass inhomogeneity on the two-dimensional Rayleigh-Bénard system of Yukawa liquids: A molecular dynamics study	Kaur P., Ganesh R.	Physical Sciences	Physics of Plasmas	2021	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120155338&doi=10.1063%2f5.0060204&partnerID=40&md5=dd7b0bb33bd81182a25ca0e458a1ed82
Nucleate pool boiling performance of water/titania nanofluid: Experiments and prediction modeling	Mukherjee S., Mishra P.C., Chaudhuri P., Ali N., Ebrahim	Engineering Sciences	Physics of Fluids	2021	1070-6631	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120036593&doi=10.1063%2f5.0070888&partnerID=40&md5=a5136e57a35602b9b14080c68b9efdc
An Electrical Impedance-Based Technique to Infer Plasma Density in a 13.56-MHz Magnetized Capacitive Coupled RF Discharge	Biswal S., Joshi J.K., Kerkari S.K., Nair L.	Physical Sciences	IEEE Transactions on Plasma Science	2021	0093-3813	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118688746&doi=10.1109%2TPS.2021.3121199&partnerID=40&md5=95ce248870168003fdd46d4d2a2df99
Characterization of a Multicusp Ion Source with Two-Grid Extraction System for Studying Extraction and Transport of Ion Beam	Rawat B.S., Sharma S.K., Choksi B., Bharathi P., Sridhar K	Physical Sciences	IEEE Transactions on Plasma Science	2021	0093-3813	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118608352&doi=10.1109%2TPS.2021.3121519&partnerID=40&md5=8afe0eb93c84a554d401fbe2f5e93103
Controlling the rotation of drift tearing modes by biased electrode in ADITYA-U tokamak	Macwan T., Singh K., Dolui S., Sharma K., Raj H., Gautam	Physical Sciences,Engineering Scier	Physics of Plasmas	2021	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118441999&doi=10.1063%2f5.0059410&partnerID=40&md5=1fefd9c6b9866fa91b77ce2a0402bb4b0
Deep sequence to sequence learning-based prediction of major disruptions in ADITYA tokamak	Agarwal A., Mishra A., Sharma P., Jain S., Daniel R., Ranj	Physical Sciences	Plasma Physics and Controlled Fusion	2021	0741-3335	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117107268&doi=10.1088%2f1361-6587%2fac234c&partnerID=40&md5=638411ff1ebabbda39549e961ae80f76
CFD Investigation of helium gas flow in sphere packed (Pebble bed) in a rectangular canister using OpenFOAM	Kumar P., Thakur A., Saha S.K., Sharma A., Sharma D., Ch	Engineering Sciences,Physical Scier	Fusion Engineering and Design	2021	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115869548&doi=10.1016%2fj.fusengdes.2021.112858&partnerID=40&md5=7e6d70f9a0db65924c3b3b42227252310
Measurement of effective thermal conductivity of lithium metatitanate pebble beds by steady-state radial heat flow method	Panchal M., Lambade V., Kanparaiya V., Patel H., Chaudhu	Engineering Sciences	Fusion Engineering and Design	2021	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114830749&doi=10.1016%2fj.fusengdes.2021.112854&partnerID=40&md5=035ea285c44bf12499fa7b2d5ec350fb
Electrochemical Behavior of Aluminum-Molybdenum Surface Composites Developed by Friction Stir Processing	Mahesh V.P., Alphonsa J., Arora A.	Engineering Sciences	Journal of Materials Engineering and Performance	2021	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111641806&doi=10.1007%2fs11665-021-06050-2&partnerID=40&md5=f022416cd4f1f9b7fd5b466bb5d845
Parametric investigation for modulation instability of ion wave in negative ion plasma sources	Pathak P., Bandyopadhyay M.	Physical Sciences	Physica Scripta	2021	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111566698&doi=10.1088%2f1402-4896%2fac1217&partnerID=40&md5=a610248462b8d6e39d7e93361807e55
Design and Simulation of an Interdigital Travelling Wave Antenna for Fast Wave Current Drive in SST-1 Tokamak	Ganji J., Sharma P.K., Dixit H.V.	Physical Sciences	Fusion Engineering and Design	2021	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111267100&doi=10.1016%2fj.fusengdes.2021.112782&partnerID=40&md5=6995400559bffc68b1fcf57d457523d06c
Simulation and experimental analysis of purge gas flow characteristic for pebble bed	Sedani C., Panchal M., Chaudhuri P.	Engineering Sciences	Fusion Engineering and Design	2021	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109882629&doi=10.1016%2fj.fusengdes.2021.112778&partnerID=40&md5=bfcd30fb9e77f8e3cd0382cdd1b0840
Experimental investigation on thermal conductivity of surfactant-less aluminum oxide (Al2O3) in water nanofluid using acoustic velocity measurements	Mukherjee S., Mishra P.C., Chaudhuri P., Chakraborty S.	Engineering Sciences	Current Science	2021	0011-3891	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118263846&doi=10.18520%2fcs%2fv121%2fi8%2fp1032-1038&partnerID=40&md5=de7a11f5f327ab868f0ecb51ddbc209
All-sky search for continuous gravitational waves from isolated neutron stars in the early O3 LIGO data	Abbott R., Abbott T.D., Abraham S., Acernese F., Ackley	Engineering Sciences,Physical Scier	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117203483&doi=10.1103%2PhysRevD.104.082004&partnerID=40&md5=c3bbcc2db179255ef5b37614d56eb73
Self-organization of pure electron plasma in a partially toroidal magnetic-electrostatic trap: A 3D particle-in-cell simulation	Sengupta M., Khamaru S., Ganesh R.	Physical Sciences	Journal of Applied Physics	2021	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117109797&doi=10.1063%2f5.0055828&partnerID=40&md5=a0c09c8322a433851ed95d5c5bea0d34
Design and characterization of radiometer system for electron cyclotron measurements at Aditya-Upgrade tokamak	Varsha S., Tanna R.L., Jayesh R., Umesh N., Praveena S.,	Engineering Sciences	Journal of Instrumentation	2021	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118673346&doi=10.1088%2f1748-0221%2f16%2f01%2P10026&partnerID=40&md5=18e91a5e5fe968c57e0faef81c104d67
Flow characterization of supersonic gas jets: Experiments and simulations	Patel M., Thomas J., Joshi H.C.	Physical Sciences	Vacuum	2021	0042-207X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120466360&doi=10.1016%2fj.vacuum.2021.110440&partnerID=40&md5=b26815f2de15d8703cc80f6d33cbcd9
Simultaneous measurement of effective thermal conductivity and effective thermal diffusivity of LiZTiO3 pebble bed using transient hot-wire technique	Patel H., Panchal M., Saraswat A., Patel N., Chaudhuri P.	Engineering Sciences	Fusion Engineering and Design	2021	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104917232&doi=10.1016%2fj.fusengdes.2021.112568&partnerID=40&md5=040f2c72cb6ce93f1dca06be64bccb61
Numerical study of 3D MHD flow of Pb-Li liquid metal in a rectangular U-bend	Patel A., Bhattacharyay R., Vasava V., Jaiswal A., Kumar	Engineering Sciences	Fusion Engineering and Design	2021	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104613466&doi=10.1016%2fj.fusengdes.2021.112583&partnerID=40&md5=7008a4be764cbd887bcc0993bd7615e2
Pool boiling performance of aqueous Al2O3 and TiO2 nanofluids on a horizontally placed flat polished surface: an experimental investigation	Mukherjee S., Mishra P.C., Chaudhuri P.	Engineering Sciences	Journal of Thermal Analysis and Calorimetry	2021	1388-6150	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087554224&doi=10.1007%2fs10973-020-09995-z&partnerID=40&md5=5b889d5f22edc32d8b2c7e02e2c5ab3d
Plasma column position measurements using magnetic diagnostics in ADITYA-U tokamak	Aich S., Kumar R., Macwan T.M., Kumavat D., Jha S., Tan	Engineering Sciences,Physical Scier	Plasma Research Express	2021	2516-1067	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85123703836&doi=10.1088%2f2516-1067%2fac2731&partnerID=40&md5=c7a5a7bc8ce7f69107811c940b68e4eb7
Spot formation in three-dimensional Yukawa liquid	Kalita S., Ganesh R.	Physical Sciences	Physics of Fluids	2021	1070-6631	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115300446&doi=10.1063%2f5.0060089&partnerID=40&md5=7d439fc913d30ec0cb25536b320f9455a9
Effect of ion motion on breaking of longitudinal relativistically strong plasma waves: Khachatryan mode revisited	Bera R.K., Mukherjee A., Sengupta S., Das A.	Physical Sciences	Physics of Plasmas	2021	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115448539&doi=10.1063%2f5.0051094&partnerID=40&md5=b67c96b9e607ab45bc9e26a82d5bb90
Gas-puff induced cold pulse propagation in ADITYA-U tokamak	Macwan T., Raj H., Singh K., Dolui S., Patel S., Kumar A.,	Engineering Sciences,Physical Scier	Nuclear Fusion	2021	0029-5515	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114032322&doi=10.1088%2f1741-4326%2ac189b&partnerID=40&md5=43b62a98d5bb35a70e6d4df35d6bd7419
Inactivation of Candida albicans and Lemon (Citrus limon) Spoilage Fungi Using Plasma Activated Water	Rathore V., Patel D., Shah N., Butani S., Pansuriya H., Na	Chemical Sciences	Plasma Chemistry and Plasma Processing	2021	0272-4324	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107464044&doi=10.1007%2fs11090-021-10186-3&partnerID=40&md5=61c955026952f9b0b792e134bc45eccaa
Insulation of Current Leads for Superconducting PF-3 Coils of SST-1	Kumar N., Prasad U., Roy S., Kanabar D., Ghate M., Dodi	Engineering Sciences,Physical Scier	IEEE Transactions on Applied Superconductivity	2021	1051-8223	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107220300&doi=10.1109%2TASC.2021.3081448&partnerID=40&md5=5610a78ad21bf5a4ed5aa772a5bfd8b3
Numerical and computational analysis of radiation characteristics of dielectric loaded helical antenna	Pandey A.K., Pathak S.K.	Engineering Sciences	International Journal of RF and Microwave Computer-Aided E	2021	1096-4290	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105914100&doi=10.1002%2fmmce.22756&partnerID=40&md5=11c17b9c4b1bbad81ee9c1b52c07cc
Self-cleaning and bouncing behaviour of ion irradiation produced nanostructured superhydrophobic PTFE surfaces	Pachchigar V., Ranjan M., Sooraj K.P., Augustine S., Kum	Physical Sciences	Surface and Coatings Technology	2021	0257-8972	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107155298&doi=10.1016%2fj.surfcoat.2021.127331&partnerID=40&md5=b3893e79be6a6671f6c77a70f95d817
Pool boiling amelioration by aqueous dispersion of silica nanoparticles	Mukherjee S., Ali N., Aljuwayhel N.F., Mishra P.C., Sen S.	Engineering Sciences	Nanomaterials	2021	2079-4991	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113209670&doi=10.3390%2fnano11082188&partnerID=40&md5=d420ac31cd8be75ee25e82086c995de1
Collective excitations of rotating dusty plasma under quasi-localized charge approximation of strongly coupled systems	Kumar P., Sharma D.	Physical Sciences	Physics of Plasmas	2021	1070-664X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111318186&doi=10.1063%2f5.0053263&partnerID=40&md5=305bbaa94b8ae730be7bd36d98af02868
Investigation of the effect of in-situ grown PPy on low frequency dielectric properties and other properties of PVA-PVP blend film	Jha S., Bhavsar V., Sooraj K.P., Ranjan M., Tripathi D.	Physical Sciences	Journal of Advanced Dielectrics	2021	2010-135X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112342281&doi=10.1142%2S2010135X21500200&partnerID=40&md5=d17c5c45ee1896c2ca41cc338919f8c
Investigations into growth of whistlers with energy of energetic electrons	Sanyasi A.K., Srivastav P., Awasthi L.M., Srivastava P.K., S	Physical Sciences	Plasma Physics and Controlled Fusion	2021	0741-3335	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108852830&doi=10.1088%2f1361-6587%2fac9dd5&partnerID=40&md5=b7ee8213ee4e543de2e35bc4f280313b3b
Current–voltage characteristics of manganite based p–n interfaces: Role of swift heavy ion irradiation and defect annihilation	Zankat A., Gadani K., Rajyaguru B., Sagapariya K., Pachol	Physics	Physica B: Condensed Matter	2021	0921-4526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105095565&doi=10.1016%2fj.physb.2021.413013&partnerID=40&md5=f322199bc371fa8e588c63b904bc6534
Search for anisotropic gravitational-wave backgrounds using data from Advanced LIGO and Advanced Virgo's first three observing runs	Abbott R., Abbott T.D., Abraham S., Acernese F., Ackley	Engineering Sciences,Physical Scier	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113349296&doi=10.1103%2PhysRevD.104.022005&partnerID=40&md5=4fe039bd2f9b5709271ead88417ed187
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LiZTiO3 pebble fabrication by freeze granulation & freeze drying method	Shrivastava A., Kumar T., Shukla R., Chaudhuri P.	Engineering Sciences	Fusion Engineering and Design	2021	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102073901&doi=10.1016%2fj.fusengdes.2021.112413&partnerID=40&md5=e696Ea0af5d0f29c0639d6f415c95
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Thermo-Hydraulic Study of MgB2Superconducting Feeder for SST-1 Tokamak	Bairagi N., Tanna V.L.	Engineering Sciences	IEEE Transactions on Applied Superconductivity	2021	1051-8223	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102310246&doi=10.1109%2TASC.2021.3061714&partnerID=40&md5=aeb49823241da86b8b2649463de3b03
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Thermal Conductivity Enhancement of Silica Nanofluids for Ultrafast Cooling Applications: Statistical Modeling and Economic Analysis	Arora N., Mukherjee S., Mishra P.C., Chakrabarty S., Chau	Engineering Sciences	International Journal of Thermophysics	2021	0195-928X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102193848&doi=10.1007%2fs10765-021-02816-z&partnerID=40&md5=93990b81b1966c779a1d19e43db465cc
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Radioactivation analysis of 14 MeV neutron generator facility	Swami H.L., Vala S., Abhangi M., Kumar R., Danani C., Ra	Engineering Sciences	Fusion Engineering and Design	2021	0920-3796	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099294116&doi=10.1016%2fj.fusengdes.2021.112229&partnerID=40&md5=2f4b3a0e883470cb337e2b466f00620
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Electrical-Model of ADITYA-U Tokamak	Kunwawat D., Kumar R., Macwan T., Ghosh J., Tanna R., A	Engineering Sciences,Physical Scier	Indian Journal of Physics	2021	0973-1458	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85078288621&doi=10.1007%2f12648-019-01647-9&partnerID=40&md5=a9ce4f5218ef8e1feae4b66c35fdce3e
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HEAT TRANSFER ENHANCEMENT WITH TiO2/WATER NANOFLUID IN A HORIZONTAL CIRCULAR TUBE SUBJECTED TO VARYING HEAT FLUX: AN EXPERIMENTAL STUDY	Mukherjee S., Panda S.R., Mishra P.C., Chaudhuri P.	Engineering Sciences	Journal of Enhanced Heat Transfer	2021	1065-5131	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127138200&doi=10.1615%2FJEnhHeatTransf.2021039303&partnerID=40&md5=127933627d95509572a6daaf2a79487
Design, development and characterization of wide incidence angle and polarization insensitive metasurface absorber based on resistive-ink for X and Ku band RCS reduction	Tiwari P., Pathak S.K., Anitha V.P.	Engineering Sciences,Physical Scier	Waves in Random and Complex Media	2021	1745-5030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114635618&doi=10.1080%2f17455030.2021.1972182&partnerID=40&md5=a58b9d902ca0b3ce5b56dd04c795a33e
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Design of a 3.7 GHz TE10–TE30 mode converter using stepped impedance transformer for CW applications	Jain Y.M., Thakker S., Sharma P.K., Dixit H.V.	Physical Sciences	Journal of Electromagnetic Waves and Applications	2021	0920-5071	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107930621&doi=10.1080%2f09205071.2021.1915187&partnerID=40&md5=b77ba563def7d873e1378e7a04d57d
Effects of Sonication Period on Colloidal Stability and Thermal Conductivity of SiO2–Water Nanofluid: An Experimental Investigation	Mukherjee S., Mishra P.C., Chakrabarty S., Chaudhuri P.	Engineering Sciences	Journal of Cluster Science	2021	1040-7278	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105006828&doi=10.1007%2s10876-021-02100-w&partnerID=40&md5=cc77f4f01f7b02425009f3b69b2d4340d
Investigation of Recycling and Impurities Influxes in ADITYA-U Tokamak Plasmas	Yadava N., Chowdhuri M.B., Ghosh J., Manchanda R., M	Engineering Sciences,Physical Scier	Plasma and Fusion Research	2021	1880-6821	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107401942&doi=10.15585%2FPFR.16.2402055&partnerID=40&md5=3e09290ba87ab340d0fb2ec97c5cebe53
Experimental Investigation of Thermal Properties of Materials Used to Develop Cryopump	Gangradey R., Mishra J., Mukherjee S., Nayak P., Panchal	Medical and Health Sciences,Physi	Fusion Science and Technology	2021	1536-1055	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106290034&doi=10.1080%2f15361055.2021.1904770&partnerID=40&md5=1e1815e0363eadb741c332e50ece2809
SoC-Based Automated Diagnostic Instrument for FMCW Reflectometry Applications	George G.C., Buch J.I.U., Pinxor A.A., Pathak S.K.	Engineering Sciences	IEEE Transactions on Instrumentation and Measurement	2021	0018-9456	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105878396&doi=10.1109%2FTIM.2021.3075055&partnerID=40&md5=0e025DFF74e8390863331bcab982c0
Effect of external magnetic field on lane formation in driven pair-ion plasmas	Baruah S., Sarma U., Ganesh R.	Physical Sciences	Journal of Plasma Physics	2021	0022-3778	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102169961&doi=10.1017%2S0022377821000027&partnerID=40&md5=c98013f7472feeeafde631bc9d292ec1
Estimation of Power Transmission of Fast Wave in ICRF Range Through Tokamak Plasma Edge with the Help of Reflection Coefficient	Dash A.K., Chattopadhyay A.K.	Physical Sciences	Fusion Science and Technology	2021	1536-1055	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102676754&doi=10.1080%2f15361055.2020.1843866&partnerID=40&md5=54a7e63cbc74260d91c33e3f030529
Open data from the first and second observing runs of Advanced LIGO and Advanced Virgo	Abbott R., Abbott T.D., Abraham S., Acernese F., Ackley	Engineering Sciences,Physical Scier	SoftwareX	2021	2352-7110	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100090354&doi=10.1016%2fj.softx.2021.100658&partnerID=40&md5=d4fa3373b2348d0bbcef541e20ae8239
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Measurement of the Sixth-Order Cumulant of Net-Proton Multiplicity Distributions in Au+Au Collisions at sNN =27, 54.4, and 200 GeV at RHIC	Abdallah M.S., Adam J., Adamczyk L., Adams J.R., Adkins	Physical Sciences	Physical Review Letters	2021	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125532998&doi=10.1103%2fPhysRevLett.127.262301&partnerID=40&md5=678f675044b77af885be9bd896188ec8
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Spinterface-Induced Modification in Magnetic Properties in Co40Fe40B20/Fullerene Bilayers	Sharangi P., Pandey E., Mohanty S., Nayak S., Bedanta S.	Physical Sciences	Journal of Physical Chemistry C	2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119261178&doi=10.1021%2acs.jpcc.1c08656&partnerID=40&md5=9b039e74b3e479417 2a3c21ee10e0e7
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N-Confused Pyrithiphrin: A New Class of Triphyrin and Its Caliphyrin Analogue	Das M., Singh D., Chitranshi S., Murugavel M., Srinivasa	Chemical Sciences	European Journal of Organic Chemistry	2021	1434-193X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117030438&doi=10.1002%2ejoc.202100891&partnerID=40&md5=225f1a4a6a55c43b04547e55c7975b2f
Comparison between pyrrolidinium-based and imidazolium-based dicationic ionic liquids: Intermolecular interaction, structural organization, and solute dynamics	Mahapatra A., Chakraborty M., Barik S., Sarkar M.	Chemical Sciences	Physical Chemistry Chemical Physics	2021	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116529472&doi=10.1039%2fd1cp02790e&partnerID=40&md5=d4428a6c5e8d8881cfaf13f90b0b6d6d
Metal-organic framework (MOF) derived flower-shaped CoSe2nanoplates as a superior bifunctional electrocatalyst for both oxygen and hydrogen evolution reactions	Sahu N., Das J.K., Behera J.N.	Chemical Sciences	Sustainable Energy and Fuels	2021	2398-4902	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116528442&doi=10.1039%2fd1se01112j&partnerID=40&md5=60e06087d8705264973439c351c0f5a
Local density of states and scattering rates across the many-body localization transition	Jana A., Chandra V.R., Garg A.	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118491365&doi=10.1103%2fphysrevb.104.l140201&partnerID=40&md5=c2e1e8ef2254b1c470f2de0b5519e7bc
Blocking sets of tangent and external lines to an elliptic quadric in PG(3, q)	De Bruyn B., Pradhan P., Sahoo B.K.	Mathematical Sciences	Proceedings of the Indian Academy of Sciences: Mathematical	2021	0253-4142	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118263200&doi=10.1007%2fs12044-021-00633-8&partnerID=40&md5=26c0d116aed38fc2a4cd95f6357eea36
The oncogene mycn modulates glycolytic and invasive genes to enhance cell viability and migration in human retinoblastoma	Sradhanjali S., Rout P., Tripathy D., Kalikiš S., Rath S., Mo	Life Sciences	Cancers	2021	2072-6694	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117228686&doi=10.3390%2fcancers13205248&partnerID=40&md5=fac33f45910863189f8bd9b18b51deae7
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Pump-induced thermo-optic manifestation lead adiabatic ultrashort-pulse optical parametric generation in long LiNbO3crystals	Mondal A., Das R.	Physical Sciences	Journal of Optics (United Kingdom)	2021	2040-8978	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115696995&doi=10.1088%2f2040-8986%2fac238d&partnerID=40&md5=9d4189b83eec564c5dee5012ec09b919
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Palladium-Mediated Tandem Isomerization-Methylenation of Allyl Alcohols: One-Pot Synthesis of 1,5-Diketones	Samser S., Mohapatra O., Biswal P., Venkatasubbaiah K.	Chemical Sciences	Journal of Organic Chemistry	2021	0022-3263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116524191&doi=10.1021%2acs.joc.1c01861&partnerID=40&md5=514f9c561d323fcfdf334bf89bc3cf88f
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Anomalous magnetoresistance and magneto-thermal properties of the half-Heuslers, RPdSi (R = Y, Gd-Er)	Mukhopadhyay A., Singh K., Sen S., Mukherjee K., Nayak	Physical Sciences	Journal of Physics Condensed Matter	2021	0953-8984	\,
Spin pumping and inverse spin Hall effect in CoFeB/IrMn heterostructures	Roy K., Mishra A., Gupta P., Mohanty S., Singh B.B., Bedi	Physical Sciences	Journal of Physics D: Applied Physics	2021	0022-3727	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112593196&doi=10.1088%2f1361-6463%2fac153a&partnerID=40&md5=db4ee0cf603247f23ef59bd66d79f0fb
Synthesis and complexation behavior of 3,4-bis(chloromercurio)2,5-dimethylthiophene	Sa S., Satheshi V., Murali A.C., Nayak P., Venkatasubbaia	Chemical Sciences	Journal of Organometallic Chemistry	2021	0022-328X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109847635&doi=10.1016%2fj.jorganchem.2021.121977&partnerID=40&md5=d8516eb95d1ba847f4516fcd08fee22
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Ruthenium(ii)-catalysed 1,2-selective hydroboration of aldazines	Pradhan S., Thiyagarajan S., Gunanathan C.	Chemical Sciences	Organic and Biomolecular Chemistry	2021	1477-0520	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113703321&doi=10.1039%2fd1ob01218e&partnerID=40&md5=99a54db15b1644c51ee2015f98d52ebf
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Observation of DÃ±/ Ï0 Enhancement in Au+Au Collisions at sNN =200 GeV	Adam J., Adamczyk L., Adams J.R., Adkins J.K., Agakishiev	Physical Sciences	Physical Review Letters	2021	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114139855&doi=10.1103%2fphysrevlett.127.092301&partnerID=40&md5=fdfad11d4dc423f84fdc2a6e93f8f255
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Coherent J/ Ï^ and Ï^ â€' photoproduction at midrapidity in ultra-peripheral PbâŁ'Pb collisions at â^'sNN=5.02 TeV	Acharya S., AdamovÃ¡ D., Adler A., Adolfsson J., Ilinella	Physical Sciences	European Physical Journal C	2021	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112520844&doi=10.1140%2epjc%2fs10052-021-09437-6&partnerID=40&md5=b4f982ad035fed2636f7d113559a1b8
Cumulants and correlation functions of net-proton, proton, and antiproton multiplicity distributions in Au+Au collisions at energies available at the BNL Relativistic Heavy Ion Collider	Abdallah M.S., Adam J., Adamczyk L., Adams J.R., Adkins	Physical Sciences	Physical Review C	2021	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112304889&doi=10.1103%2fphysrevc.104.024902&partnerID=40&md5=777321025ef49f0c293d74c5f123ceb
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Intermolecular interactions in tetrabutylammonium chloride based deep eutectic solvents: Classical molecular dynamics studies	Panda D.K., Bhargava B.L.	Chemical Sciences	Journal of Molecular Liquids	2021	0167-7322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105034006&doi=10.1016%2fj.molliq.2021.116139&partnerID=40&md5=3c19e17c450f26ec052037b4f859ff7a
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Measurement of e+e- Momentum and Angular Distributions from Linearly Polarized Photon Collisions	Adam J., Adamczyk L., Adams J.R., Adkins J.K., Agakishiev	Physical Sciences	Physical Review Letters	2021	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112679069&doi=10.1103%2fphysrevlett.127.052302&partnerID=40&md5=babcc380e4170583ac492af6bee6f0a6e
Gram-Scale Synthesis of 1,8-Naphthyridines in Water: The Friedlander Reaction Revisited	Choudhury S.S., Jena S., Sahoo D.K., Sheikh S., Rai R.K., D	Chemical Sciences	ACS Omega	2021	2470-1343	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111518952&doi=10.1021%2acsomega.1c02398&partnerID=40&md5=1819515c16bc42495382b0f2d4b6c25
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Cobalt(III)-Catalyzed C-6 Alkenylation of 2-Pyridones by Using Terminal Alkyne with High Regioselectivity	Mohanty S.R., Prusty N., Gupta L., Biswal P., Ravikumar	Chemical Sciences	Journal of Organic Chemistry	2021	0022-3263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110937205&doi=10.1021%2acs.joc.1c00769&partnerID=40&md5=aeeb259fc501a8e30735fc574f130d985
Negative magnetization induced by particle-size reduction in nanoparticle systems	Dasgupta P., Paul S., Mondal N., Kumar S., Yarlagadda S.	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110618533&doi=10.1103%2fphysrevb.104.035132&partnerID=40&md5=bcc25ae969b5d20dcd03e6c83f60d5d1
Entanglement and quantum strategies reduce congestion costs in Pigou networks	Dudhe N., Benjamin C.	Physical Sciences	Physica A: Statistical Mechanics and its Applications	2021	0378-4371	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104328642&doi=10.1016%2fj.physa.2021.126013&partnerID=40&md5=aaab318d1ebcd62d7e5995888a99eef
Accurate density functional made more versatile	Jana S., Behera S.K., Ãžmiga S., Constantin L.A., Samal P.	Physical Sciences	Journal of Chemical Physics	2021	0021-9606	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109356016&doi=10.1063%2f5.0051331&partnerID=40&md5=438fea2d113c60cc33992d53dd094c73
Circuit complexity from cosmological islands	Choudhury S., Chowdhury S., Gupta N., Mishara A., Selv	Physical Sciences	Symmetry	2021	2073-8994	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111924184&doi=10.3390%2fsym13071303&partnerID=40&md5=534c05bb4017407dfc093e952b9647e6
The nature of non-Gaussianity and statistical isotropy of the 408 MHz Haslam synchrotron map	Rahman F., Chingangbam P., Ghosh T.	Physical Sciences	Journal of Cosmology and Astroparticle Physics	2021	1475-7516	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111532789&doi=10.1088%2f1475-7516%2f2021%2f07%2f026&partnerID=40&md5=e32709a84bd089f595db3b681c76dcf1
Electromagnetically induced transparency in the strong blockade regime using the four-photon excitation process in thermal rubidium vapor	Firdoshi T., Garain S., Gupta V., Kara D., Mohapatra A.K.	Physical Sciences	Physical Review A	2021	2469-9926	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102408888&doi=10.1103%2fphysrevA.104.013711&partnerID=40&md5=e91b8a197733b77efa0576e73cca2fe0
Order from chaos in quantum walks on cyclic graphs	Panda A., Benjamin C.	Physical Sciences	Physical Review A	2021	2469-9926	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100545010&doi=10.1103%2fphysrevA.104.012204&partnerID=40&md5=7e0bc92cd401b278b93d41279989f77
Intra-unitcell cluster-cluster magnetic compensation and large exchange bias in cubic alloys	Giri B., Sahni B., MejiÃ¡ C.S., Chattopadhyay S., Zeitler U	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109817167&doi=10.1103%2fphysrevB.104.014413&partnerID=40&md5=0ea5fdeae3560ff0aee57f6b7082db66
Fireball tomography from bottomonia elliptic flow in relativistic heavy-ion collisions	Bhaduri P.P., Alqahtani M., Borghini N., Jaiswal A., Strick	Physical Sciences	European Physical Journal C	2021	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109844249&doi=10.1140%2epjc%2fs10052-021-09383-3&partnerID=40&md5=7e8168d69a4705db259251ace618f6f4f
Unconventional domain wall magnetoresistance of patterned Ni/Nb bilayer structures below superconducting transition temperature of Nb	Bhatia E., Hussain Z., Reddy V.R., Barber Z.H., Senapati K	Physical Sciences	Journal of Physics Condensed Matter	2021	0953-8984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108023394&doi=10.1088%2f1361-648X%2fac0022&partnerID=40&md5=95f6e9d1c5cd7e242519f0764beef2
Morphological groupings within Euphlyctis (Anura: Dicroglossidae) and description of a new species from the surroundings of Thattekad Bird Sanctuary, Kerala, India	DINESH K.P., CHANNAKESHAVAMURTHY B.H., DEEPAK P.,	Chemical Sciences	Zootaxa	2021	1175-5326	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108538499&doi=10.11646%2fzootaxa.4990.2.7&partnerID=40&md5=9376ce5c2f0f8513bd06eaaacedb00d
Probing How Various Metal Ions Interact with the Surface of QDs: Implication of the Interaction Event on the Photophysics of QDs	Prewyanka N., Sarkar M.	Chemical Sciences	Langmuir	2021	0743-7463	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108304148&doi=10.1021%2acs.langmuir.1c00546&partnerID=40&md5=a5f6f950a737e107df2f5cd27bb335f40
Application of the contour Minkowski tensor and D statistic to the Planck e -mode data	Kochappan J.P., Sen A., Ghosh T., Chingangbam P., Basa	Physical Sciences	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108215924&doi=10.1103%2fphysrevD.103.123523&partnerID=40&md5=c5e796837dbc8ba5b9d838b9187bf2
Gravitini zero modes riding on top of multiple black holes	Dubey P., Gowdigere C.N.	Physical Sciences	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s

Improving the applicability of the Pauli kinetic energy density based semilocal functional for solids	Jana S., Behera S.K., Ã¼mige S., Constantin L.A., Samal P.	Physical Sciences	New Journal of Physics		2021	1367-2630	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109294381&doi=10.1088%2f1367-2630%2fabf4d4&partnerID=40&md5=bfa8bd196fecd688a4eda264d5869d87
Simulation of neutron background for a dark matter search experiment at JUSL	Banik S., Kashyap V.K.S., Ghosh S., Dutta S., Mohanty B.,	Physical Sciences	Journal of Instrumentation		2021	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109196595&doi=10.1088%2f1748-0221%2f16%2f06%2f9060228&partnerID=40&md5=2e99c98659ec3e3b99bbc98c6
Azimuthal anisotropy measurements of strange and multistrange hadrons in U+ U collisions at sNN =193 GeV at the BNL Relativistic Heavy Ion Collider	Abdallah M.S., Adam J., Adamczyk L., Adams J.R., Adlen	Physical Sciences	Physical Review C		2021	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108243967&doi=10.1103%2fPhysRevC.103.064907&partnerID=40&md5=877a2e1ad808183939e2d41518785b38
On the number of connected subgraphs of graphs	Pandey D., Patra K.L.	Mathematical Sciences	Indian Journal of Pure and Applied Mathematics		2021	0019-5588	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107984868&doi=10.1007%2fs13226-021-00061-4&partnerID=40&md5=4baa794d3e8d3a03a73aefc1623891ef7d
New developments in relativistic fluid dynamics with spin	Bhadury S., Bhatt J., Jaiswal A., Kumar A.	Physical Sciences	European Physical Journal: Special Topics		2021	1951-6355	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104720964&doi=10.1140%2epjst%2fs11734-021-00020-4&partnerID=40&md5=bc99f140ea3a05bb46f5139ee9847cf
Identification of a Potential Membrane-Targeting Sequence in the C-Terminus of the F Plasmid Segregation Protein SopA	Mishra D., Pahujani S., Mitra N., Srivastava A., Srinivas	Life Sciences	Journal of Membrane Biology		2021	0022-2631	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099304437&doi=10.1007%2fs00232-020-00157-8&partnerID=40&md5=5f25f498bc9bf8f9d7cb1b2b7eb0f4f
Efficient Band Structure Calculation of Two-Dimensional Materials from Semilocal Density Functionals	Patra A., Jana S., Samal P., Tran F., Kalantari L., Doumon	Physical Sciences	Journal of Physical Chemistry C		2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106531898&doi=10.1021%2facs.jpcc.1c02031&partnerID=40&md5=bce134f46221a57c7abfe3999912fbf0
Ruthenium(II)-Catalyzed Regioselective 1,2-Hydrosilylation of N-Heteroarenes and Tetrel Bonding Mechanism	Behera D., Thiyagarajan S., Anjaneleishna P.K., Suresh C.H	Chemical Sciences	ACS Catalysis		2021	2155-5435	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106558573&doi=10.1021%2acscatal.1c01148&partnerID=40&md5=41af673cdd97f5a8673e7d9e182e8339
Ultrafast Spin Dynamics of Electrochemically Grown Heusler Alloy Films	Karim M.R., Adhikari A., Panda S.N., Sharangi P., Kayal S.	Physical Sciences	Journal of Physical Chemistry C		2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106508324&doi=10.1021%2facs.jpcc.1c01813&partnerID=40&md5=fa355d33367fcdbe39e62b6190b4dfc2f
Nonlinear transport without spin-orbit coupling or warping in two-dimensional Dirac semimetals	Samal S.S., Nandy S., Saha K.	Physical Sciences	Physical Review B		2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107042382&doi=10.1103%2fPhysRevB.103.120202&partnerID=40&md5=d97a921eaaed69f3f1e0cd5192393dea9
Zinc Hydride Catalyzed Chemoselective Hydroboration of Isocyanates: Amide Bond Formation and C=O Bond Cleavage	Sahoo R.K., Sarkar N., Nembenna S.	Chemical Sciences	Angewandte Chemie - International Edition		2021	1433-7851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104107740&doi=10.1002%2anie.202100375&partnerID=40&md5=efcd2f46f4f00bb652779f4fe1b9a4794c
Study of magnetization reversal in NiAlDel and Bloch regime of nickel and permalloy stripes using Kerr microscopy	Bhatia E., Hussain Z., Reddy V.R., Senapati K.	Physical Sciences	Physica B: Condensed Matter		2021	0921-4526	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101414252&doi=10.1016%2j.physb.2021.412877&partnerID=40&md5=3804f05a3eb32f1e2ce4e4c3e5dcd971
An oxo(corrolato)chromium(v) complex selectively kills cancer cells by inducing DNA damage	Pradhan N., Garai A., Patra B., Kar S., Maiti P.K.	Chemical Sciences	Chemical Communications		2021	1359-7345	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105772013&doi=10.1039%2fd1cc01459e&partnerID=40&md5=d028fe8504e79240813fc2cfdd90203e3
Synthesis of pyrazole anchored three-coordinated organoboranes and their application in the detection of picric acid	Sa S., Mukundam V., Kumari A., Das R., Venkatasubbaiah	Chemical Sciences;Physical Science	Dalton Transactions		2021	1477-9226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107943395&doi=10.1039%2fd1dt00580c&partnerID=40&md5=8ce2c75c69d019e3456d816e1d98cdb
Ultrafast Interfacial Electron Transfer from Graphene Quantum Dot to 2,4-Dinitrotoluene	Mishra K., Das A., Ghosh S.	Physical Sciences	Journal of Physical Chemistry C		2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106665021&doi=10.1021%2facs.jpcc.1c00453&partnerID=40&md5=7e1eb9be14f4fd7253ff9517ec1b54cd6
Cobalt(III)porphyrin-Mediated Selective Synthesis of 1,5-Diketones via an Interrupted-Borrowing Hydrogen Strategy Using Methanol as a C1 Source	Biswal P., Samser S., Nayak P., Chandrasekhar V., Venkat	Chemical Sciences	Journal of Organic Chemistry		2021	0022-3263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106520473&doi=10.1021%2acs.joc.1c00476&partnerID=40&md5=d03725b9c39efab2fcd8395c93d96c7
Ruthenium-Catalyzed Cross Dehydrogenative Annulation of N-(7-Azaindole)benzamides with Maleimides: One-Step Access to Highly Functionalized Pyrrolotoxoquinoline	Pati B.V., Sagara P.S., Ghosh A., Mohanty S.R., Ravikuma	Chemical Sciences	Journal of Organic Chemistry		2021	0022-3263	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106503372&doi=10.1021%2acs.joc.1c00376&partnerID=40&md5=ad14e853bb4c76e195349e37d787f831
Interface- and Surface-Engineered PdOâ^'RuO2 Hetero-Nanostructures with High Activity for Hydrogen Evolution/Oxidation Reactions	Samanta R., Mishra R., Barman S.	Chemical Sciences	ChemSusChem		2021	1864-5631	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104088868&doi=10.1002%2cssc.202102006&partnerID=40&md5=a8d79445906e9286f2bc73ba5d8b9bcce
Longitudinal double-spin asymmetry for inclusive jet and dijet production in polarized proton collisions at s =200 GeV	Abdallah M.S., Adam J., Adamczyk L., Adams J.R., Adlen	Physical Sciences	Physical Review D		2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107374028&doi=10.1103%2fPhysRevD.103.L091103&partnerID=40&md5=351e3135403ee3bcee4a6d8a6783e97c
Methods for a blind analysis of isobar data collected by the STAR collaboration	Adam J., Adamczyk L., Adams J.R., Adlens J.K., Agakishie	Physical Sciences	Nuclear Science and Techniques		2021	1001-8042	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105747528&doi=10.1007%2fs41365-021-00876-y&partnerID=40&md5=8a32223e6c0e490c5075b74780dfe212
SERPINB5 Genetic Variants rs2289519 and rs2289521 are Significantly Associated with Gallbladder Cancer Risk	Mahananda B., Vinay J., Palo A., Singh A., Sahu S.K., Sing	Life Sciences	DNA and Cell Biology		2021	1044-5498	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105723066&doi=10.1089%2dna.2021.0056&partnerID=40&md5=76974e7f7fcd35d3b795f3fc1913d9be2e
Carbon Nanoparticle Exerts Positive Growth Effects with Increase in Productivity by Down-Regulating Phytochrome B and Enhancing Internal Temperature in Rice	Panigrahy M., Das S., Poli Y., Sahoo P.K., Kumari K., Pand	Life Sciences;Physical Sciences	Rice Science		2021	1672-6308	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105558549&doi=10.1016%2j.rsci.2021.04.007&partnerID=40&md5=5c6e275c6f243b7758696bd946641bb50
Secubitnil-Based Urea and Thiourea Derivatives as Novel Inhibitors for Anti-Tubercular against Dormant Tuberculosis	Konduri S., Pogaku V., Prashanth J., Siva Krishna V., Srin	Chemical Sciences	ChemistrySelect		2021	2365-6549	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107569802&doi=10.1002%2slct.202004724&partnerID=40&md5=375c314538277e7ff5ca092593a2c5d6
The Redox-Active Conopeptide Derived from the Venom Duct Transcriptome of Conus lividus Assists in the Oxidative Folding of Conotoxin	Dolle A., Vijayasarathy M., Sheikh S., Hunashal Y., Reddy	Chemical Sciences	Biochemistry		2021	0006-2960	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105018006&doi=10.1021%2acs.biochem.1c00090&partnerID=40&md5=b38d07be4ccd5f15c5730e91c00005
Global Polarization of Ï‹ and Î›¯ Hyperons in Au+Au Collisions at sNN =200 GeV	Adam J., Adamczyk L., Adams J.R., Adlens J.K., Agakishie	Physical Sciences	Physical Review Letters		2021	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105687618&doi=10.1103%2fPhysRevLett.126.162301&partnerID=40&md5=627972ef35811093986cd153e99b62a30
O-Directed C-H functionalizationvia cobaltacycles: a sustainable approach for C-C and C-heteroatom bond formations	Banjare S.K., Nanda T., Pati B.V., Biswal P., Ravikumar P.	Chemical Sciences	Chemical Communications		2021	1359-7345	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104010929&doi=10.1039%2fd0cc08199j&partnerID=40&md5=20a296cabd553960dbc8cbb67a76008
Comparison of transverse single-spin asymmetries for forward Ï€0 production in polarized pp, pAl and pAu collisions at nucleon pair c.m. energy sNN =200 GeV	Adam J., Adamczyk L., Adams J.R., Adlens J.K., Agakishie	Physical Sciences	Physical Review D		2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104681932&doi=10.1103%2fPhysRevD.103.072005&partnerID=40&md5=66ef158d94562fe1f9cdcce81d88f
Nanoscale Domain Wall Engineered Spin-Triplet Josephson Junctions and SQUID	Bhatia E., Srivastava A., Devine-Stoneman J., Stelmashe	Physical Sciences	Nano Letters		2021	1530-6984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103764952&doi=10.1021%2acs.nanolett.1c00273&partnerID=40&md5=af7ca257112b24e2d619192b8efb0a2
Transfer Hydrogenation of Aldehydes and Ketones in Air with Methanol and Ethanol by an Air-Stable Ruthenium-Triazole Complex	Ghosh R., Jana N.C., Panda S., Bagh B.	Chemical Sciences	ACS Sustainable Chemistry and Engineering		2021	2168-0485	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105037042&doi=10.1021%2acssuschemeng.1c00633&partnerID=40&md5=404f5e8d728164f0e7d287e48ee9de8
3-D Cryptand like Normal and Doubly N-Confused Calixbenzaophyrins: Synthesis and Structural Studies	Palepu N.R., Adinarayana B., Murugavel M., Garima K.,	Chemical Sciences	Organic Letters		2021	1523-7060	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103799766&doi=10.1021%2acs.orglett.1c00506&partnerID=40&md5=e2116768bbee301ba0027e46392fc59a
The metal cofactor zinc and interacting membranes modulate sod1 conformation-aggregation landscape in an in vitro als model	Sannigrahi A., Chowdhury S., Das B., Banerjee A., Haldar	Life Sciences	eLife		2021	2050-084X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105821827&doi=10.7554%2fELIFE.61453&partnerID=40&md5=d6123514a2e36bdc1b264142652e6d85
Phase diagram of the repulsive Blume-Emery-Griffiths model in the presence of an external magnetic field on a complete graph	Mukherjee S., Sadhu R.K., Sumedha	Physical Sciences	Journal of Statistical Mechanics: Theory and Experiment		2021	1742-5468	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105701259&doi=10.1088%2f1742-5468%2fac1f34&partnerID=40&md5=085a2f8487ae476e132e426d7622bf5
Wronskian indices and rational conformal field theories	Das A., Gowdigere C.N., Santana J.	Physical Sciences	Journal of High Energy Physics		2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101702458&doi=10.1007%2fJHEP04%282021%292048&partnerID=40&md5=9e5298b3b99b1d1fcd9c5c2c0d80767
Carbon-chain Chemistry versus Complex-organic-molecule Chemistry in Envelopes around Three Low-mass Young Stellar Objects in the Perseus Region	Taniguchi K., Majumdar L., Takakuwa S., Saito M., Liu D.C	Physical Sciences	Astrophysical Journal		2021	0004-637X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104589341&doi=10.3847%2f1538-4357%2fabd854&partnerID=40&md5=866bd6ea8e999e28191709fee45a914d
Reduced IQGAP2 expression promotes EMT and inhibits apoptosis by modulating the MEK-ERK and p38 signaling in breast cancer irrespective of ER status	Kumar D., Patel S.A., Hassan M.K., Mohapatra N., Pattan	Life Sciences	Cell Death and Disease		2021	2041-4889	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104202166&doi=10.1038%2s41419-021-03873-0&partnerID=40&md5=079f7a7cea49ea72abe8ef1291bca775
K -group of absolute matrix order unit spaces	Kern A.K., Kumar A.	Mathematical Sciences	Advances in Operator Theory		2021	2538-225X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102736905&doi=10.1007%2s43036-021-00134-5&partnerID=40&md5=ef28e687b5c7a7757ed384b6469e22c
Comparative analysis of beneficial effects of vancomycin treatment on Th1- and Th2-biased mice and the role of gut microbiota	Ray P., Pandey U., Aich P.	Life Sciences	Journal of Applied Microbiology		2021	1364-5072	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091732828&doi=10.1111%2jam.14853&partnerID=40&md5=30ad25dc08740b74138ad51d60b1e2
A new species of Asian gracile skink (Scincidae: Lygosominae: Subdoluseps) from the rain-shadow belts of Nilgiri hills, Western Ghats, India	Ganesh S.R., Srikanthan A.N., Ghosh A., Dilip Adhikari D	Chemical Sciences	Zootaxa		2021	1175-5326	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103374918&doi=10.11646%2fzootaxa.4950.2.7&partnerID=40&md5=167880b0cecf65d0c6b7dd0c248f6fa3
Super-Arrhenius diffusion in a binary colloidal mixture at low volume fraction: An effect of depletion interaction due to an asymmetric barrier	Singh J., Mustakim M., Kumar A.V.A.	Physical Sciences	Journal of Physics Condensed Matter		2021	0953-8984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102226146&doi=10.1088%2f1361-648X%2fac6428&partnerID=40&md5=7b4b91692196f0795980351232521c1a3
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Measurements of W and Z /Î³â^' — cross sections and their ratios in p+p collisions at RHIC	Adam J., Adamczyk L., Adams J.R., Adlens J.K., Agakishie	Physical Sciences	Physical Review D		2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099251008&doi=10.1103%2fPhysRevD.103.012001&partnerID=40&md5=00295cb1c3e3b7fd311f1d44f9003533
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Skyrmion racetrack memory with an antidot	Kumar Behera A., Murapaka C., Mallick S., Bhusan Singh	Physical Sciences	Journal of Physics D: Applied Physics	2021	0022-3727	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094067382&doi=10.1088%2f1361-6463%2fabb433&partnerID=40&md5=50bc5b3c488eee27bf9b2c428366d7
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Biased photo cleavage of N1-/N6-nitrobenzyl from 2′-O-hydroxyethyl-adenosine and their DNA/RNA Caged-analogues	Bollu A., Sharma N.K.	Chemical Sciences	Journal of Photochemistry and Photobiology A: Chemistry	2021	1010-6030	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091124483&doi=10.1016%2fj.jphotochem.2020.112864&partnerID=40&md5=09193ca1f4b9b9bfd5e40e6fa2c5c
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Surface termination and thickness dependent magnetic coupling of Cr adlayers on Ni2MnGa(001) surfaces: An ab initio study	Bhattacharya J., Pandey D., Barman S.R., Chakrabarti A.	Physical Sciences	Journal of Magnetism and Magnetic Materials	2021	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114669065&doi=10.1016%2fj.jmmm.2021.168398&partnerID=40&md5=057ff02b1c0e129fb45e395ff9f60932
Unusual absorption and emission characteristics of Cr co-doped Nd:GdVO4 laser gain crystal	Soharab M., Bhaumik I., Bhatt R., Saxena A., Karnal A.K.	Physical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106383018&doi=10.1016%2fj.jallcom.2021.161182&partnerID=40&md5=055ac99db3eea845517dcd510e818a8c
Magneto-structural correlation across the spin reorientation transition temperature in pure and Sm substituted TmFeO3: A temperature dependent Raman and synchrotron X-ray diffraction	Khan A.A., Ahlawat A., Deshmukh P., Singh M.N., Sagdeo	Physical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109037048&doi=10.1016%2fj.jallcom.2021.160985&partnerID=40&md5=6f031ff9449fae9d0f1fd361e851a51
Contribution of inter-valley scattering in governing the steady state optical spin orientation in Al xGa1-xAs	Mudi P., Khamari S.K., Sharma T.K.	Physical Sciences	Journal of Physics D: Applied Physics	2021	0022-3727	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115929454&doi=10.1088%2f1361-6463%2fac252d&partnerID=40&md5=935d36d8c4d92d007d8ee63a076ee62
Investigations on synthesis, growth, crystal structure, thermal, Dielectric and Terahertz Transmission properties of Organic NLO Crystal: (2-(2-hydroxy-3-methoxystyryl)-1-	Boomadevi S., Kandu A., Anthony S.P., Pandiyan K., Sasit	Physical Sciences	Journal of Molecular Structure	2021	0022-2860	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110462951&doi=10.1016%2fj.molstruc.2021.131099&partnerID=40&md5=5a8120328f430c1ea6a7fd1f1175e712
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Utilization of Fe2O3 Nanoparticles Synthesized by Novel ASH Supported Method in Arsenic Adsorption from the Contaminated Water	Deotale A.J., Singh U., Sonpera D., Tiwari M.K., Nandedk	Physical Sciences	Macromolecular Symposia	2021	1022-1360	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121645767&doi=10.1002%2masy.202100114&partnerID=40&md5=d88ed2130c0571803b28dac73170240b
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Coexisting superconductivity and ferromagnetism in the (V0.6Ti0.4)-Gd alloys	Paul S., Ramjan S.K., Chandra L.S.S., Chattopadhyay M.K	Physical Sciences	Materials Science and Engineering B: Solid-State Materials for	2021	0921-5107	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118774813&doi=10.1016%2fj.mseb.2021.115462&partnerID=40&md5=32e7b3272b199a653eb7b4b6f40a74a
Relative humidity measurement sensor based on polyvinyl alcohol coated tilted fiber Bragg grating	Saini P.K., Prakash O., Kumar J., Sharma A., Dhingra D., Mukherjee S	Physical Sciences	Measurement Science and Technology	2021	0957-0233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109037048&doi=10.1088%2f1361-6501%2fac2bdb&partnerID=40&md5=49932bf947696559283fedc1c7111f9b
Study of interface and its role in an unusual magnetization reversal in 57FeCoB/MgO bilayer	Jamal M.S., Kumar Y., Gupta M., Gupta P., Sergeev I., Wi	Physical Sciences	Hyperfine Interactions	2021	0304-3843	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118269306&doi=10.1007%2fs10751-021-01736-6&partnerID=40&md5=8880be6d0e0dbd8144391e9011ab797
Electrochemical properties of brownmillerite structured KBiFe2O5	Vavilapalli D.S., Perri R.G., Banik S., Muthuraaman B., Rai	Physical Sciences	Applied Surface Science Advances	2021	2666-5239	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116067930&doi=10.1016%2fj.apsadv.2021.100163&partnerID=40&md5=f649b28ba3e7c91e65bd1e611f8205eeb
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Study of microstructure and wear properties of laser deposited Inconel 718	Rai A.K., Paul C.P., Mishra G.K., Singh R., Rai S.K., Bindra	Engineering Sciences,Physical Scier	Journal of Materials Processing Technology	2021	0924-0136	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109880539&doi=10.1016%2fj.jmatprotec.2021.117298&partnerID=40&md5=cd00499e035c035b1d94a05eec1474
Effect of surface morphology on magnetization dynamics of cobalt ultrathin films: An in-situ investigation	Bera A.K., Gupta P., Garai D., Gupta A., Kumar D.	Physical Sciences	Applied Surface Science Advances	2021	2666-5239	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108556204&doi=10.1016%2fj.apsadv.2021.100124&partnerID=40&md5=b33d34dcb8e4504cc5d33dcd92757bfd3
Coupling Methylammonium and Formamidinium Cations with Halide Anions: Hybrid Orbitals, Hydrogen Bonding, and the Role of Dynamics	Kamal C., Hauschild D., Seitz L., Steininger R., Yang W., H	Physical Sciences	Journal of Physical Chemistry C	2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119410494&doi=10.1021%2acs.jpcc.1c08932&partnerID=40&md5=6fd80a921423771046fc22a6ac4ef5c9
Effect of surface oxidation on soft x-ray optical properties of ion beam sputter deposited amorphous AlN thin film	Kiranjot, Modi M.H.	Physical Sciences	Journal of Applied Physics	2021	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120058318&doi=10.1063%2f5.0059736&partnerID=40&md5=bf88ae678d962900cb3a5540bbe8ebaed
Microstructure and mechanical properties of NiTi-SS bimetallic structures built using Wire Arc Additive Manufacturing	Singh S., Jinoop A.N., Palani I.A., Paul C.P., Tomar K.P., Ji	Engineering Sciences	Materials Letters	2021	0167-577X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111173674&doi=10.1016%2fj.matlet.2021.130499&partnerID=40&md5=dcff2bdb85502d0cff386e312f837e4
Evaluation of valence band offset and its non-commutativity at all oxide α-Cr2O3/β-Ga2O3 heterojunction from photoelectron spectroscopy	Ghosh S., Baral M., Bhattacharjee J., Kamparath R., Singl	Physical Sciences	Journal of Applied Physics	2021	0021-8979	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118422569&doi=10.1063%2f5.0046538&partnerID=40&md5=04ef91b8e092c3332039b29b9a4e1c19
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Study of melt pool geometry and solidification microstructure during laser surface melting of Inconel 625 alloy	Chaurasia J.K., Jinoop A.N., P.P., Paul C.P., Bindra K.S., Bi	Engineering Sciences,Physical Scier	Optik	2021	0030-4026	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117248742&doi=10.1016%2fj.ijleo.2021.167766&partnerID=40&md5=bd533fcd20576b7fe1b4ef0108e1bd0
Experimental Investigation of Multiple Laser Shock Peening on Mechanical Properties of Laser Sintering Additively Manufactured Maraging Steel	Bhardwaj T., Shukla M., Rai A.K., Biswal R., Ranganathar	Physical Sciences	Journal of Materials Engineering and Performance	2021	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111087113&doi=10.1007%2fs11665-021-06049-9&partnerID=40&md5=8ca40bdc2ff9f9f7f68b1c2de4f23be2
Indication of Neurodegenerative Cascade Initiation by Amyloid-like Aggregate-Forming EBV Proteins and Peptide in Alzheimer's Disease	Tiwari D., Singh V.K., Baral B., Pathak D.K., Jayabalan J.,	Physical Sciences	ACS Chemical Neuroscience	2021	1948-7193	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117855889&doi=10.1021%2acschemneuro.1c00584&partnerID=40&md5=cccfc5be708fc582e3b9480ed9464eb
Mixed-Halide Double Perovskite Cs2AgBiX6 (X=Br, I) with Tunable Optical Properties via Anion Exchange	Wu H., Erbing A., Johansson M.B., Wang J., Kamal C., Od	Physical Sciences	ChemSusChem	2021	1864-5631	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85140991056&doi=10.1002%2fcssc.202101146&partnerID=40&md5=260405e55d195f75151523e38cd2207
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Improved electrical conductivity and power factor in Sn and Se co-doped melt-grown Bi2Te3 single crystal	Heggle G.S., Prabhu A.N., Chattopadhyay M.K.	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114612990&doi=10.1007%2fs10854-021-06946-8&partnerID=40&md5=c5fe70455d05f5eee29313f109bb05d53
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Investigation on the Correlation between Piezoelectricity and its Thermal Behavior with Depolarization Temperature and Antiferroelectric Order in Niobium-Doped	Sharma A., Bhaumik I., Singh G., Sagar Tiwari V.	Physical Sciences	Journal of Physics Status Solidi (B) Basic Research	2021	0370-1972	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110130753&doi=10.1002%2fpssb.202100155&partnerID=40&md5=f7d456f55167ee9227ffe6a74cd54fc90c
Temperature dependent refractive index, thermo-optic coefficient and birefringence of negative biaxial imidazolium L-tartrate non-linear optical crystal	Chinnasami S., Rajesh P., Bhatt R., Bhaumik I., Ramasam	Physical Sciences	Optik	2021	0030-4026	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108397711&doi=10.1016%2fj.ijleo.2021.167021&partnerID=40&md5=67403151e74178f8404dcfd1dde8403e3
Performance of dopamine modified 0.5Ba0.7Ca0.3)TiO3-0.5Ba(Zr0.2Ti0.8)O3 filler in PVDF nanocomposite as flexible energy storage and harvester	Mitharwal C., Geetanjali, Malhotra S., Bagla A., Srivastav	Physical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052664188&doi=10.1016%2fj.jallcom.2021.160141&partnerID=40&md5=7bcd6970bc13bec0f9f908c3f7e9a660
Signature of linear-in- k Dresselhaus splitting in the spin relaxation of X -valley electrons in indirect band gap AlGaAs	Mudi P., Khamari S.K., Bhattacharya J., Chakrabarti A., S	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114875058&doi=10.1103%2fphysrevb.104.115202&partnerID=40&md5=fe93982e6165ede9b2c3ea356e46ff63
Effect field controlled magnetization in NiFe2O4/SrRuO3/PMN-PT heterostructures for nonvolatile memory applications: XMCD study	Ahlawat A., Khan A.A., Deshmukh P., Shirolkar M.M., Sal	Physical Sciences	Applied Physics Letters	2021	0003-6951	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114964342&doi=10.1063%2f5.0061470&partnerID=40&md5=5d3205a9426e83ce583aff39536a4fd9
Effect of WC Composition on the Microstructure and Surface Properties of Laser Directed Energy Deposited 316 SS-WC Composites	Benarji K., Ravi kumar Y., Jinoop A.N., Paul C.P., Bindra K	Engineering Sciences,Physical Scier	Journal of Materials Engineering and Performance	2021	1059-9495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115130706&doi=10.1007%2fs11665-021-05971-2&partnerID=40&md5=8cfc5ab3fb9a2c5dbc9fa93355af7e74
K-α x-ray measurements and their applicability for fast electron generation and transport studies in ultrashort intense laser foil interaction	Mandal T., Arora V., Moorti A., Chakera J.A.	Physical Sciences	Plasma Physics and Controlled Fusion	2021	0741-3335	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113388820&doi=10.1088%2f1361-6587%2fac0bc88&partnerID=40&md5=a96a852a0a8e21c04ff4f05fed9d2b1340
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Effect of Pulsed Laser Deposition of Thin Surface Film of 316 L Stainless Steel on Corrosion Behaviour of Mild Steel	Gupta R.K., Mishra S., Verma S., Rao B.T., Rai S.K., Bose	Physical Sciences	Lasers in Manufacturing and Materials Processing	2021	2196-7229	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105505218&doi=10.1007%2fs40516-021-00149-z&partnerID=40&md5=218a1d747286c421ca6e80a15dcdc0245
Relaxor ferroelectricity driven by 'A' and 'B' site off-centered displacements in cubic phase with Pm3m space group	Dubey D.N., Singh G., Tripathi S.	Physical Sciences	Journal of Physics D: Applied Physics	2021	0022-3727	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102727396&doi=10.1088%2f1361-6463%2fac0bda&partnerID=40&md5=2669a4868fdad41d44caea0e163bf2fe
Finite element method coupled with TLBO for shape control optimization of piezoelectric Simorph in COMSOL Multiphysics	Sumit, Shukla M., Sinha A.K.	Engineering Sciences	Mechanics	2021	0037-5497	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109704368&doi=10.1177%2f0037549721102560&partnerID=40&md5=73a3bc55abd1ab51a359e2f01854513 0
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The effects of short term hyperglycaemia on human red blood cells studied using Raman spectroscopy and optical trap	Singh Y., Chowdhury A., Dasgupta R., Majumder S.K.	Physical Sciences	European Biophysics Journal	2021	0175-7571	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107471035&doi=10.1007%2fs00249-021-01541-5&partnerID=40&md5=47fc5f4fd7a16df1b53c3e8715cd7de9
Faster temperature prediction in the powder bed fusion process through the development of a surrogate model	Anandan Kumar H., Kumaraguru S., Paul C.P., Bindra K.S.	Engineering Sciences,Physical Scier	Optics and Laser Technology	2021	0030-3992	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105699404&doi=10.1016%2fj.optlastec.2021.107122&partnerID=40&md5=1a58525f4ef0f40231b84f0206ef93e56
Effect of interlayer delay on the microstructure and mechanical properties of wire arc additive manufactured wall structures	Singh S., Jinoop A.N., Tarun Kumar G.T.A., Palani I.A., Pa	Engineering Sciences	Materials	2021	1996-1944	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111703203&doi=10.3390%2fma14154187&partnerID=40&md5=157ad0d7e701da828e003dc11f150187
Effect of magnetic field on ferroelectric output voltage: a study on La0.75r0.3MnO3 (LSMO)/P(VDF-TrFE) flexible multiferroic nanocomposite films	Koner S., Deshmukh P., Ahlawat A., Sagdeo A., Singh R.,	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111482590&doi=10.1007%2fs10854-021-06699-4&partnerID=40&md5=cc6f95c83081029b39b6f62fe494bc11
Effects of mobile phone emissions on human red blood cells	Chowdhury A., Singh Y., Das U., Waghmare D., Dasgupta	Physical Sciences	Journal of Biophotonics	2021	1864-063X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106433869&doi=10.1002%2fjbio.202100047&partnerID=40&md5=8f6caeeedf1f06381004839bd446c4c7489
Understanding the corrosion behaviour of laser directed energy deposition-based additive manufacturing built Inconel 718 under acidic environments	Diljith P.K., Jinoop A.N., Paul C.P., Krishna P., Bontha S.,	Engineering Sciences,Physical Scier	Progress in Additive Manufacturing	2021	2363-9512	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104611704&doi=10.1007%2fs40964-021-00176-4&partnerID=40&md5=e215bbaae3a75fa25bcb91cf1a303c0f
Predictive analysis of COVID-19 eradication with vaccination in India, Brazil, and U.S.A	Chaturvedi D., Chakravarty U.	Physical Sciences	Infection, Genetics and Evolution	2021	1567-1348	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103718199&doi=10.1016%2fj.meegid.2021.104834&partnerID=40&md5=85c22a7b8da4fc78ed2888e01a75e13
Grain Refinement and Enhancement of Critical Current Density in the V0.6Ti0.4Alloy Superconductor with Gd Addition	Paul S., Ramjan S.K., Venkatesh R., Chandra L.S.S., Chatt	Physical Sciences	IEEE Transactions on Applied Superconductivity	2021	1051-8223	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097269476&doi=10.1109%2fTASC.2021.3052718&partnerID=40&md5=147a75e58991b454fb35349032bee996
A correlation between depolarization temperature, ergodicity and piezoelectric response in Nb5+-substituted (Na0.41K0.09Bi0.50)TiO3	Sharma A., Bhaumik I., Singh G., Tiwari V.S., Karnal A.K.	Physical Sciences	Journal of Materials Research	2021	0884-2914	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108713196&doi=10.1557%2fs4337b-021-00302-6&partnerID=40&md5=2cee01edb43e2ec5fdab9622d3406662e
Electronic coupling between the unoccupied states of the organic and inorganic sublattices of methylammonium lead iodide: A hybrid organic-inorganic perovskite single crystal	Man G.J., Sterling C.M., Kamal C., Simonov K.A., Svensm	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111295700&doi=10.1103%2fPhysRevB.104.L041302&partnerID=40&md5=c67272f01c8be3428fc6d87325fd4da93
Origin of natural and magnetic field induced polar order in orthorhombic PrFeO3/2Cr1/2 O3	Kumar A., Wanshi M.K., Sagdeo A., Krzysztyak M., Rudic	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109143717&doi=10.1103%2fPhysRevB.104.035101&partnerID=40&md5=3fd08d5a545a35462bf2fbaa85f772e
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Studies on structural, dielectric, impedance spectroscopy and magneto-dielectric properties of La0.78Ba0.3MnO3/P(VDF-TrFE) multiferroic (0–3) nanocomposite films	Koner S., Deshmukh P., Ahlawat A., Karnal A.K., Satapath	Physical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101314688&doi=10.1016%2fj.jallcom.2021.159104&partnerID=40&md5=c53796e9b6f12294833bab5e7e69ae06
Bandgap bowing parameter and alloy fluctuations for β-(AlxGa1−x)2O3 alloys for x ≤ 0.35 determined from low temperature optical reflectivity	Bhattacharjee J., Ghosh S., Pokhriyal P., Gangwar R., Dut	Physical Sciences	AIP Advances	2021	2158-3226	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110344118&doi=10.1063%2f5.0058748&partnerID=40&md5=b7b4f521ce4a0b17b9e51e18d0b569d4c
Investigations on the Electronic Structure of the Strongly Correlated Electron System Cr-Doped PrFeO3	Kumar A., Wanshi M.K., Sagdeo A., Sagdeo P.R.	Physical Sciences	Journal of Physical Chemistry C	2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105048456&doi=10.1021%2facs.jpcc.1c02718&partnerID=40&md5=f4e35b4ce537e7f6fb9e15f6f4b478c58
Assessment of the Elemental Profile of Leafy Vegetables by Synchrotron-Radiation-Induced Energy Dispersive X-Ray Fluorescence Spectroscopy	Bharti A.S., Sharma S., Singh A.K., Tiwari M.K., Uttam K.N	Physical Sciences	Journal of Applied Spectroscopy	2021	0021-9037	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110443293&doi=10.1007%2fs10812-021-01221-6&partnerID=40&md5=5ced1e2ad5fe2641733ae67d1f0d1d1d
BL-02: A versatile X-ray scattering and diffraction beamline for engineering applications at Indus-2 synchrotron source	Gupta P., Rao P.N., Swami M.K., Bhakar A., Lal S., Garg S	Physical Sciences	Journal of Synchrotron Radiation	2021	0909-0495	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110400558&doi=10.1107%2fS1600577521004690&partnerID=40&md5=835990c77c65b4b5b4b7e05b2b8f962
High sensitivity detection of chemicals based on sinusoidally apodized structured grating assisted liquid filled directional coupler	Raghuwanshi S.K., Singh Y., Singh M., Chack D., Kumar S	Physical Sciences	Optical and Quantum Electronics	2021	0306-8919	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103311343&doi=10.1007%2fs11082-021-03070-z&partnerID=40&md5=f8b9837a6e4ea05795cbab8ce4eabd83
Enhanced Broadband Terahertz Radiation from Two-Colour Laser Pulse Interaction with Thin Dielectric Solid Target in Air	Saxena S., Bagchi S., Tayyab M., Chakera J.A., Kumar S.,	Physical Sciences	Journal of Infrared, Millimeter, and Terahertz Waves	2021	1866-6892	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109319776&doi=10.1007%2fs10762-021-00801-x&partnerID=40&md5=582324c68e90edb2bb8d0c6d0c92ca
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Antibacterial photodynamic activity of photosensitizer-embedded alginate-pectin-carboxymethyl cellulose composite biopolymer films	Sharma M., Dube A., Majumder S.K.	Life Sciences;Physical Sciences	Lasers in Medical Science	2021	0268-8921	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089195975&doi=10.1007%2fs10103-020-03083-2&partnerID=40&md5=d837752117f760baa817e63f53ba6d7d
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All-normal dispersion ytterbium-doped fiber laser mode locked by nonlinear multimode interference	Gupta P.K., Singh C.P., Mukhopadhyay P.K., Bindra K.S.	Engineering Sciences;Physical Scier	Applied Optics	2021	1559-128X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103047366&doi=10.1364%2AO.422572&partnerID=40&md5=c67e08029fdd47697084889ee846889ae
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Nanoscoxed laser induced glass particle deposition over steel mesh for long-term superhydrophilicity and gravity driven oil water separation	Ahlawat S., Singh A., Mukhopadhyay P.K., Singh R., Bindr	Physical Sciences	Materials Chemistry and Physics	2021	0254-0584	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100643896&doi=10.1016%2fj.matchemphys.2021.124343&partnerID=40&md5=d10cab0b9f4177df920ca0f1739e8be1
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Origin of ferroelectricity in cubic phase of Hf substituted BaTiO3	Sati A., Pokhriyal P., Kumar A., Arwar S., Sagdeo A., Lalit	Physical Sciences	Journal of Physics Condensed Matter	2021	0953-8984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104725584&doi=10.1088%2f1361-648X%2fabf9b8&partnerID=40&md5=8b4d1d9132fda39420fca8077e5414d5
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Prediction of quality characteristics of laser drilled holes using artificial intelligence techniques	Chatterjee S., Mahapatra S.S., Bharadwaj V., Upadhyay	Physical Sciences	Engineering with Computers	2021	0177-0667	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074834757&doi=10.1007%2fs00366-019-00878-y&partnerID=40&md5=e13beae960882fc703d4ac4dae67908a8
Coexistence of local structural heterogeneities and long-range ferroelectricity in Pb-free (1-x)Ba(Sn0.2Ti0.8)-(x)Ca(Sn0.7Ce0.3)TiO3 ceramics	Dey K., Ahad A., Gautam K., Tripathy A., Majid S.S., Fran	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104243179&doi=10.1103%2PhysRevB.103.L100205&partnerID=40&md5=46dec6d269f70ed717545e9815e35ebdc
WS2Nanosheet/Si p-n Heterojunction Diodes for UV-Visible Broadband Photodetection	Pal S., Mukherjee S., Jangir R., Nand M., Jana D., Mandal	Physical Sciences	ACS Applied Nano Materials	2021	2574-0970	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102455933&doi=10.1021%2acsanm.1c00421&partnerID=40&md5=56e73c25336a85b20da79b000ec1e725
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Modeling and control of transverse coupled bunch mode levels in Indus-2 using artificial neural network	Yadav S., Puntambekar T.A., Varde P.V.	Engineering Sciences	Review of Scientific Instruments	2021	0034-6748	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102310024&doi=10.1063%2f5.0016339&partnerID=40&md5=31994e56ad5f842affc4dfcf16697df
Synthesis, crystal growth, and physicochemical characterization of 4-aminopyridinium 4-nitrophenolate 4-nitrophenol (APNNP) single crystals for NLO applications	Kamalesh T., Karuppasamy P., Senthil Pandian M., Rama	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	0957-4522	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100792380&doi=10.1007%2fs10854-021-05332-8&partnerID=40&md5=90ec8f5fc099392fe4efe9491e457b97f
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A Correlation between Structural Parameters and Electrical Conductivity of Calcium-Modified Bi2Fe0.05Ti0.95O3 Ceramic	Selvamani R., Singh G., Tiwari V.S., Karnal A.K.	Physical Sciences	Physica Status Solidi (B) Basic Research	2021	0370-1972	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096761669&doi=10.1002%2pssb.202000932&partnerID=40&md5=b1de2cc157b9d5e0ed1c637ad2e9736
Effect of Heat-Treatment on the Microstructure, Mechanical Properties and Corrosion Behaviour of SS 316 Structures Built by Laser Directed Energy Deposition Based Additive Manufacturing	Benarji K., Ravi Kumar Y., Jinoop A.N., Paul C.P., Bindra K	Engineering Sciences;Physical Scier	Metals and Materials International	2021	1598-9623	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085871646&doi=10.1007%2fs12540-020-00835-y&partnerID=40&md5=301129ace7b4892eec75c55961ed67b
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MgFe2O4/(Ba0.85Ca0.15) Zr0.1Ti0.9)O3 lead free ceramic composite: A study on multiferroic and magnetoelectric coupling properties at room temperature	Satapathy S., Prudhvi G., Khan A.A., Deshmukh P., Ahlaw	Physical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095094081&doi=10.1016%2fj.jallcom.2020.156908&partnerID=40&md5=8b7aeb2465b03659fb4bd95b2a0404c4
Doping-Induced Combined Farro and Phonon Confinement Effect in La-Doped CeO2: Raman Spectroscopy Analysis	Gupta M., Kumar A., Sagdeo A., Sagdeo P.R.	Physical Sciences	Journal of Physical Chemistry C	2021	1932-7447	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100262120&doi=10.1021%2acs.jpcc.0c09133&partnerID=40&md5=04812a61d102c5378bda133e7f1a1f
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Laser cladding of pac 718, tribaloy T-700 and METCO 41 C hard facing powders on AISI SS 304L substrate	More S.R., Bhatt D.V., Menghani J.V., Paul C.P., Desale G	Engineering Sciences	International Journal of Engineering, Transactions B: Applicati	2021	1728-144X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101353901&doi=10.5829%2fIJE.2021.34.02B.20&partnerID=40&md5=ad2a64e67d5b7ebe882aba139d5f4f73
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Static and ultrafast optical response of two metal nanoparticles glued with a semiconductor quantum dot	Gurung S., Singh A., Khatua D.P., Srivastava H., Jayabalan	Physical Sciences	Photonics and Nanostructures - Fundamentals and Application	2021	1569-4410	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097583400&doi=10.1016%2fj.photonics.2020.100898&partnerID=40&md5=ac9b58864c264a0fed3c94dee1ee3
Ground calibration of Solar X-ray Monitor on board the Chandrayaan-2 orbiter	Mithun N.P.S., Vadawale S.V., Shanmugam M., Patel A.R	Physical Sciences	Experimental Astronomy	2021	0922-6435	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093848114&doi=10.1007%2fs10686-020-09685-5&partnerID=40&md5=37f1bf6c8934306f29345b22664fa25d
Core-Level Binding Energy Reveals Hydrogen Bonding Configurations of Water Adsorbed on TiO2 (110) Surface	Kamal C., Stenberg N., Walle L.E., Regazzon D., Borg A.,	Physical Sciences	Physical Review Letters	2021	0031-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093169382&doi=10.1103%2PhysRevLett.126.016102&partnerID=40&md5=D2e4fe083738f0fd34688e2f42f8b0e
Effect of Ti: Sapphire and Nd: YAG Lasers on Shear Bond Strength at the Zirconia - Veneering Ceramic Juncture	Abraham A., Jain D., Gupta A., Chakera J.A.	Physical Sciences	Journal of Lasers in Medical Sciences	2021	2008-9783	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85124591814&doi=10.34172%2JLMS.2021.71&partnerID=40&md5=414f50de791095cc591c199cc9153906
Measurement of M subshell X-ray fluorescence parameters of gold, lead and bismuth using 7 keV synchrotron radiation	Hiremath G.B., Vinayak A., Hosamani M.M., Badiger N.M	Physical Sciences	Spectroscopy Letters	2021	0038-7010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117325086&doi=10.1080%2f00387010.2021.1992445&partnerID=40&md5=5a1de15075c47be2cd76b4243ea2879
Preparation and characterization of laser clad alfeuzcrconi high-entropy alloy (hea) coating for improved corrosion performance	Menghani J., Vyas A., More S., Paul C.P., Ingole S.	Engineering Sciences	Lasers in Engineering	2021	0898-1507	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117410986&partnerID=40&md5=4773e1b496d81b810bb464425be70434
Effect of DC Bias on Dielectric Properties of NdFeO3	Pokhriyal P., Bhakar A., Sinha A.K., Sagdeo A.	Physical Sciences	ECS Journal of Solid State Science and Technology	2021	2162-8769	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111157725&doi=10.1149%2F2162-8777%2fac10cc&partnerID=40&md5=5cd518e9deaccdbd1a650c2dce5b227a
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Incorporation of graphitic porous carbon for synthesis of composite carbon aerogel with enhanced electrochemical performance	Singh A., Kohli D.K., Singh R., Bhartiya S., Singh M.K., Kar	Physical Sciences	Journal of Electrochemical Science and Technology	2021	2093-8551	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109019441&doi=10.33961%2fECST.2020.01032&partnerID=40&md5=8143c597362febe27f8b9ce363fef2796
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Conformational dynamics of myoglobin in the presence of vitamin B12: A spectroscopic and in silico investigation	Rout J., Swain B.C., Subadini S., Mishra P.P., Sahoo H., T	Chemical Sciences	International Journal of Biological Macromolecules	2021	0141-8130	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117148711&doi=10.1016%2fj.ijbiomac.2021.10.030&partnerID=40&md5=f62771560e9b6ccbde91b4469b2424
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Spectroscopic and computational insight into the conformational dynamics of hemoglobin in the presence of vitamin B12	Rout J., Swain B.C., Subadini S., Mishra P.P., Sahoo H., T	Chemical Sciences	International Journal of Biological Macromolecules	2021	0141-8130	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114692465&doi=10.1016%2fj.ijbiomac.2021.08.096&partnerID=40&md5=e8a429072f3a4d45d35977ed73fa737
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Anomalous conducting heterointerface of non-stoichiometric CaxTaxO3+δ/SrTiO3	Kumar S., Rana D.S., Satpati B., Ojha S., Gahlot B., Pulik	Physical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105361751&doi=10.1016%2Fj.jallcom.2021.160064&partnerID=40&md5=db962cc22c267fe45b8bbcc64129534
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FPGA-based multi-channel data acquisition system for Superheated Emulsion Detectors	Sahoo S., Chaddha N., Sahoo S., Biswas N., Roy A., Das N	Engineering Sciences,Physical Scien	Nuclear Instruments and Methods in Physics Research, Sectior	2021	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107700902&doi=10.1016%2Fj.nima.2021.165472&partnerID=40&md5=ea2a62cd61716f3e8419fe02076d38a0
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Study of magnetic and magnetotransport properties in polycrystalline Pr0.6A'0.25r0.2MnO3 (A' = Y, La) compounds: Observation of enhanced electron–electron interaction	Dutta A., Banik S., Das I.	Physical Sciences	Journal of Magnetism and Magnetic Materials	2021	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105286442&doi=10.1016%2Fj.jmmm.2021.167996&partnerID=40&md5=533b6e30cd8b47d305e157c7e7816585
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The background study at 555 m deep underground with superheated emulsion detector	Sahoo S., Ali S., Das M., Biswas N., Pallav P., Basu J.	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Sectior	2021	0168-9002	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106622721&doi=10.1016%2Fj.nima.2021.165458&partnerID=40&md5=afe46680c09bf5836f43360de4f3ae25
Bounds on dark matter annihilation cross-sections from inert doublet model in the context of 21-cm cosmology of dark ages	Basu R., Pandey M., Majumdar D., Banerjee S.	Physical Sciences	International Journal of Modern Physics A	2021	0217-751X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113902716&doi=10.1142%2S0217751X21501633&partnerID=40&md5=1e21a4a73121897b4cb7456d0af5ba93
Gating-related Structural Dynamics of the MgtE Magnesium Channel in Membrane-Mimetics Utilizing Site-Directed Tryptophan Fluorescence	Chatterjee S., Brahma R., Raghuraman H.	Life Sciences	Journal of Molecular Biology	2021	0022-2836	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095834739&doi=10.1016%2Fj.jmb.2020.10.025&partnerID=40&md5=d9b67db495312fc23705cf9101e18ee
Temperature-dependent equilibration of spin orthogonal quantum Hall edge modes	Matti T., Agarwal P., Purkait S., Sreejith G.J., Das S., Biaz	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113271829&doi=10.1103%2PhysRevB.104.085304&partnerID=40&md5=7800fc23986373e5af20beab1639b2ae6
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Enhanced exciton binding energy, Zeeman splitting and spin polarization in hybrid layered nanosheets comprised of (C4, Mn)Se and nitrogen-doped graphene oxide: Implication for	Halder O., Mallik G., Suffczyński J., Pacuski W., Varadwaj	Physical Sciences	Nanotechnology	2021	0957-4484	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109708476&doi=10.1088%2F1361-6528%2Fac6dee&partnerID=40&md5=20d3241a993ca330be139d08ef6d3bec
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Hydrothermal synthesis of Bi2Fe4O9 nanochains and study of their multiferroic coupling	Sahoo A., Das M., Mandal P., Bhattacharya D.	Physical Sciences	Materials Letters	2021	0167-577X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105696369&doi=10.1016%2Fj.matlet.2021.129905&partnerID=40&md5=bca3c469168d05ccdb7867568831d705d
Active microrheology using pulsed optical tweezers to probe viscoelasticity of lamin A	Mukherjee C., Kundu A., Dey R., Banerjee A., Sengupta K	Life Sciences	Soft Matter	2021	1744-683X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111405316&doi=10.1039%2D1sm00293g&partnerID=40&md5=2e83b5f98d1039cb88034324c9fac4f62
Role of short-range magnetic interaction between core and surface spins in exchange bias and memory effect in nanocrystalline doped manganite	Saha S., Bandyopadhyay S., Das I.	Physical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102842818&doi=10.1016%2Fj.jallcom.2021.159605&partnerID=40&md5=8b1b4328f20ce31d58d9c3e0986feee
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Nuclear Data Sheets for A=219	Singh B., Mukherjee G., Basu S.K., Bhattacharya S., Bhatt	Physical Sciences	Nuclear Data Sheets	2021	0090-3752	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109795284&doi=10.1016%2Fj.nds.2021.06.002&partnerID=40&md5=2f228d9b78e4c04f13f226402a3e6ad5
Spin-polarized tunneling and polaronic transport properties of polycrystalline (Sm1-yGdy)0.55Sr0.45MnO3(y = 0.5 and 0.7) compounds	Mazumdar D., Das K., Das I.	Physical Sciences	Journal of Physics Condensed Matter	2021	0953-8984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108020735&doi=10.1088%2F1361-648X%2Fac0386&partnerID=40&md5=39edec553a40f46405fefcab516b34c8
Accelerated magnetosonic lump wave solutions by orbiting charged space debris	Acharya S.P., Mukherjee A., Janaki M.S.	Physical Sciences	Nonlinear Dynamics	2021	0924-090X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107869476&doi=10.1007%2Fs11071-021-06594-x&partnerID=40&md5=cd8947a144407bb9b2d9d330fa00dacf
Separation of 209Po from alpha particle irradiated lead bismuth eutectic target	Naskar N., Lahiri S.	Chemical Sciences	Applied Radiation and Isotopes	2021	0969-8043	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109343996&doi=10.1016%2Fj.apradiso.2021.109776&partnerID=40&md5=78030675bcc769f266eea40efcab00D1
Void-Enriched and Highly Strained Porous Au-Ag Nanoalloy as a Bifunctional Electro-Catalyst in Alkaline Direct Alcohol Fuel Cell	De S.K., Nandy A., Mondal S., Roy A., Mondal S., Senapa	Chemical Sciences	ACS Applied Energy Materials	2021	2574-0962	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108565037&doi=10.1021%2acsaem.1c00475&partnerID=40&md5=6aebcbcaed2219007436f734dbf9111bc
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Confinement creates a 9 GPa ambience: Emergence of cristobalite phases in a silica film	Pramanik S., Ghosh J., Chanda D.K., Mukhopadhyay M.K	Physical Sciences	Materials Research Express	2021	2053-1591	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108407669&doi=10.1088%2F2053-1591%2fac045b&partnerID=40&md5=b90afe81254868e0bc9037f43f73ddf
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Real-space imaging of magnetic phase transformation in single crystalline Sm-Ca-Sr based manganite compound	Maxumdar D., Rawat R., Banik S., Das K., Das I.	Physical Sciences	Journal of Physics Condensed Matter	2021	0953-8984	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105591718&doi=10.1088%2F1361-648X%2Fac86a7&partnerID=40&md5=8afbe12b5bcc9fcae9401453c0db35b
Distribution of different no-carrier-added radionuclides in Pb and Bi fractions after separation of bulk components of lead bismuth eutectic	Choudhury D., Naskar N., Lahiri S.	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	0236-5731	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105382862&doi=10.1007%2F10967-021-07746-2&partnerID=40&md5=127f8b528bc50cdbae2fcb39407031f3
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Microstructure dependent magnetotransport properties in polycrystalline La0.75r0.3MnO3 ultrathin films on thermally oxidized Si substrates	Mandal S., Das I.	Physical Sciences	Journal of Magnetism and Magnetic Materials	2021	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103929898&doi=10.1016%2Fj.jmmm.2021.167771&partnerID=40&md5=6f4592e9a247ba1007022a1380e76669
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Positron annihilation and correlated dielectric property studies of a transition metal oxide-modified quaternary nanocomposite 0.1P2O5–0.4ZnO–0.5(xV2O5–(1−x)MoO3)	Biswas D., Das A.S., Kalo S., Singh L.S., Ahmed M., Mukhi	Physical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099860920&doi=10.1016%2Fj.jallcom.2020.158395&partnerID=40&md5=17ebbf6e1e52375b75356c1a7eeea0d6
Estimation of baryon asymmetry from dark matter decaying into IceCube neutrinos	Mukherjee T., Pandey M., Majumdar D., Haldar A.	Physical Sciences	International Journal of Modern Physics A	2021	0217-751X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105169316&doi=10.1142%2S0217751X21500780&partnerID=40&md5=c07d4a7da63ee8cb7498a00c648bcee6
Systematic analysis of metamagnetic transitions in A-site disordered Sm0.5(Ca0.5−ySry)MnO3 compounds: A combined experimental and model Hamiltonian study	Banik S., Pradhan K., Das I.	Physical Sciences	Journal of Alloys and Compounds	2021	0925-8388	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100099348&doi=10.1016%2Fj.jallcom.2020.158515&partnerID=40&md5=500025c954cbd51cf662de3ed8d4e24ed
1 2 CQ2 0 Ne, 1 6 O] 1 6 O a -transfer reaction and astrophysical S-factors at 300 keV	Mondal A.K., Basu C., Adhikari S., Bhattacharya C., Rana	Physical Sciences	International Journal of Modern Physics E	2021	0218-3013	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85108063507&doi=10.1142%2S0218301321500397&partnerID=40&md5=6af2e2fae57665b27099234fe5921e4c
Dilepton production from magnetized quark matter with an anomalous magnetic moment of the quarks using a three-flavor PNJL model	Chaudhuri N., Ghosh S., Sarkar S., Roy P.	Physical Sciences	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107352546&doi=10.1103%2PhysRevD.103.096021&partnerID=40&md5=273eb5da2e31b8289116f4de39f88aac
Gravitational wave signatures from domain wall and strong first-order phase transitions in a two complex scalar extension of the Standard Model	Paul A., Mukhopadhyay U., Majumdar D.	Physical Sciences	Journal of High Energy Physics	2021	1029-8479	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106950827&doi=10.1007%2JHEP05%2820212%2923&partnerID=40&md5=ac42ed1b29d8832ac01c8d06013e424B
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Facile fabrication of CuO nanosheets for photocatalytic applications	Sahu K., Satpati B., Mohapatra S.	Physical Sciences	Applied Physics A: Materials Science and Processing	2021	0947-8396	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104596449&doi=10.1007%2s00339-021-04565-w&partnerID=40&md5=e7e79aae54cae67547dc2ffc1eba5885
Investigation of temporal long-range correlation and anti-correlation of the fluctuations in a radiofrequency produced plasma in a diverging magnetic field configuration	Ghosh A., Saha S.K., Chowdhury S., Janaki M.S., Iyengar	Physical Sciences	Physica Scripta	2021	0031-8949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103766345&doi=10.1088%2F1402-4896%2fab043e&partnerID=40&md5=64210e134ba92797a1a94fcc08c6e18b
Separation of no-carrier-added 71,72As from 46 MeV alpha particle irradiated gallium oxide target	Naskar N., Lahiri S.	Chemical Sciences	Radiochimica Acta	2021	0033-8230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102320270&doi=10.1515%2ract-2020-0120&partnerID=40&md5=0ea0cdc4e8ddd18233785ef9a9e0e07b
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Unveiling the Excellent Electrocatalytic Activity of Grain-Boundary Enriched Anisotropic Pure Gold Nanostructures toward Hydrogen Evolution Reaction: A Combined Approach of Experiment	Mondal S., De S.K., Jana R., Roy A., Mukherjee M., Datta	Chemical Sciences,Physical Science	ACS Applied Energy Materials	2021	2574-0962	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104918423&doi=10.1021%2acsaem.0c02527&partnerID=40&md5=c4fbd35e43c332e3b35da5d87e079f80
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Correlation driven metallic and half-metallic phases in a band insulator	Bag S., Garg A., Krishnamurthy H.R.	Physical Sciences	Physical Review B	2021	2469-9950	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104384386&doi=10.1103%2PhysRevB.103.155132&partnerID=40&md5=f19614eb8c8ed8ca39fc55bbbbe7d8c5e
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Production cross sections and induced activity in ge isotopes by 30 MeV proton beam	Kumar P., Goyal S.L., Nandy M.	Physical Sciences	Indian Journal of Pure and Applied Physics	2021	0019-5596	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104616305&doi=10.1007%2s13538-021-00966-y&partnerID=40&md5=87f9d80494eb5dce19da73e1d976ae16
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A radiative type-II seesaw model with broken symmetry ansatz	Datta S., Ghosal A.	Physical Sciences	Journal of Physics G: Nuclear and Particle Physics	2021	0954-3899	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104173016&doi=10.1088%2F1361-6471%2fabe562&partnerID=40&md5=24faa932d8e20d78f6ac98130c39f1b9
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H.e.s.s. And magic observations of a sudden cessation of a very-high-energy γ -ray flare in PKS 1510-089 in May 2016	Abdalla H., Adam R., Aharonian F., Ait Benkhali F., Angüi	Physical Sciences	Astronomy and Astrophysics	2021	0004-6361	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104001652&doi=10.1051%2F0004-6361%2202038949&partnerID=40&md5=72386e7dbd8e725e6984ef7d9fefe5130
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Observation of ordered arrays of endotaxially grown nanostructures from size-selected Cu-nanoclusters deposited on patterned substrates of Si	Mondal S., Chowdhury D., Das P., Satpati B., Ghose D., A	Physical Sciences	Physical Chemistry Chemical Physics	2021	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102972399&doi=10.1039%2fd0cp06089h&partnerID=40&md5=300eb5aeab8797cb6d263195fcdb30e41
Probing interacting dark energy and scattering of baryons with dark matter in light of the EDGES 21-cm signal	Mukhopadhyay U., Majumdar D., Datta S.K.	Physical Sciences	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103084168&doi=10.1103%2PhysRevD.103.063510&partnerID=40&md5=7ba778f72f1d47963d339a05132768b14
Changes in free volume and gas permeation properties of polyvinyl alcohol) nanocomposite membranes modified using cage-structured polyhedral oligomeric silsesquioxane	Swapna V.P., Kaliyathan A.V., Abhisha V.S., Maria H.J., N	Physical Sciences	Journal of Applied Polymer Science	2021	0021-8995	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091281389&doi=10.1002%2app.49953&partnerID=40&md5=e5aea2552d01d6f6ca6678d5426e499
Structural, magnetic, and magnetocaloric properties of the multiferroic host double perovskite compound Pr2FeCrO6	Maxumdar D., Das I.	Physical Sciences	Physical Chemistry Chemical Physics	2021	1463-9076	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102719404&doi=10.1039%2D0cp06447e&partnerID=40&md5=797300bdaf7986adbbc66e7c7ff5a349
Holographic entanglement entropy for Li N (2) =s1+S5 spacetime with string excitations	Maulik S., Singh H.	Physical Sciences	Physical Review D	2021	2470-0010	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103128946&doi=10.1103%2PhysRevD.103.066003&partnerID=40&md5=9eb3c02d2b50446f7dca3b928899bcb46
VHE gamma-ray detection of FSRQ QSO B1420+326 and modeling of its enhanced broadband state in 2020	Acciari V.A., Ansoldi S., Antonelli L.A., Arbet Engels A., A	Physical Sciences	Astronomy and Astrophysics	2021	0004-6361	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105163968&doi=10.1051%2F0004-6361%2202039687&partnerID=40&md5=42dc5eb01ccc34b4dee75717ca3bcc7
Structural insights into histone chaperone AsF1 and its characterization from Plasmodium falciparum	Srivastava D.K., Gunjan S., Das C., Seshadri V., Roy S.	Life Sciences	Biochemical Journal	2021	0264-6021	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102965209&doi=10.1042%2BCJ20200891&partnerID=40&md5=e0d9f7b7b083153d23e526c04ffce
Probing the star formation origin of gamma-rays from 3FHL J1907.0+0713	Ergin T., Saha L., Bhattacharjee P., Sano H., Tanaka S.J.,	Physical Sciences	Monthly Notices of the Royal Astronomical Society	2021	0035-8711	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107302338&doi=10.1093%2Mnras%2staa3817&partnerID=40&md5=efafc62ae1a35befcad5d624445230a3
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Structural evolution of zinc selenite nanocomposite system with molybdenum trioxide as modifier studied by positron annihilation and allied experimental methods	Biswas D., Dey A., Das A.S., Roy D., Singh L.S., Nambissan	Physical Sciences	Materialia	2021	2589-1529	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097154261&doi=10.1016%2Fj.mtla.2020.100969&partnerID=40&md5=48df0715edb493f77424df893f73c9
Rapid synthesis of ZnO nanowires and nanoplates with highly enhanced photocatalytic performance	Choudhary S., Sahu K., Bisht A., Satpati B., Mohapatra S	Physical Sciences	Applied Surface Science	2021	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105974160&doi=10.1016%2Fj.apsusc.2020.148848&partnerID=40&md5=2a41bfa984b5ab8ba2fe91ec398c19dd
Vital insights into prokaryotic genome compaction by nucleoid-associated protein (NAP)

From oscillation dip to oscillation valley in atmospheric neutrino experiments	Kumar A., Khatun A., Agarwalla S.K., Dighe A.	Physical Sciences	European Physical Journal C	2021	1434-6044	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101899125&doi=10.1140%2epjc%2fs10052-021-08946-8&partnerID=40&md5=56396eeaf16678f3702e0d5774d4ea4
Fast simulation of avalanche and streamer in GEM detector using hydrodynamic approach	Rout P.K., Datta J., Roy P., Bhattacharya P., Mukhopadh	Physical Sciences	Journal of Instrumentation	2021	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101697050&doi=10.1088%2f1748-0221%2f16%2f02%2fP02018&partnerID=40&md5=3bac1a32e8f0facee98de8b432ca6bc
Characterization, spectroscopic investigation of defects by positron annihilation, and possible application of synthesized PbO nanoparticles	Ali S.I., Das A., Agrawal A., Mukherjee S., Ahmed M., Nai	Physical Sciences	Chinese Physics B	2021	1674-1056	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101362124&doi=10.1088%2f1674-1056%2fabd2a9&partnerID=40&md5=8723b5f073559c67396ce8c8e20e4be
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Interaction of metal oxide nanoparticles with microplastics: Impact of weathering under riverine conditions	Singh N., Khandelwal N., Tiwari E., Naskar N., Lahiri S., Li	Chemical Sciences	Water Research	2021	0043-1354	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096711831&doi=10.1016%2fj.watres.2020.116622&partnerID=40&md5=b2046b85b2d29cf6be747d98d7dcd2c8
Decay spectroscopy of 117,118Sn	Das S., Adhikari A., Alam S.S., Sharma S., Aich S., Gupta	Physical Sciences	Nuclear Physics A	2021	0375-9474	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096525969&doi=10.1016%2fj.nuclphysa.2020.122079&partnerID=40&md5=062e9733a43439479fa917799e4142c
Study of modification of the magnetic and magnetocaloric properties with Gd doping in Sm-Sr based manganite compounds: Influence of short range charge-orbital ordering	Mazumdar D., Das K., Das I.	Physical Sciences	Journal of Magnetism and Magnetic Materials	2021	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092467426&doi=10.1016%2fj.jmmm.2020.167413&partnerID=40&md5=ef2db437b6eadf8e190725d0b5e0c045
Excitation function calculations in proton-induced nuclear reactions on Zn and Cu upto 80 MeV	Kumar P., Goyal S.L., Nandy M., Sarkar P.K.	Physical Sciences	Indian Journal of Physics	2021	0973-1458	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85081594767&doi=10.1007%2fs12648-020-01700-y&partnerID=40&md5=376c7df37650bcf0fba2078a6f34bc48
Impact of surface defects in electron beam evaporated ZnO thin films on FET biosensing characteristics towards reliable PSA detection	Chakraborty B., Saha R., Chattopadhyay S., De D., Das R.	Physical Sciences	Applied Surface Science	2021	0169-4332	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091239119&doi=10.1016%2fj.apsusc.2020.147895&partnerID=40&md5=89cca5e70a539b913353df98a44fef9a0
Impact of porous nanomaterials on inhibiting protein aggregation behaviour	Bardhan M., Dolui S., Chaudhuri S., Paul U., Bhattacharj	Chemical Sciences;Life Sciences	RSC Advances	2021	2046-2069	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100000534&doi=10.1039%2d0ra10927d&partnerID=40&md5=dc7a5f47da391cf2542ec478284a0e22
Direct observation of effect of crowding induced macromolecular hydration on molecular breathing in the stem of fork-DNA by single-molecule FRET microspectroscopy	Mondal S., Mishra P.P.	Chemical Sciences	International Journal of Biological Macromolecules	2021	0141-8130	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097194068&doi=10.1016%2fj.ijbiomac.2020.11.197&partnerID=40&md5=f5fea4b373e15e921cc4ea62b796687
Ca2+-substitution effect on the defect structural changes in the quadruple perovskite series Ca1+xCu3-xTi4O12 studied by positron annihilation and complementary methods	Barad D.V., Mange P.L., Jani K.K., Mukherjee S., Ahmed	Physical Sciences	Ceramics International	2021	0272-8842	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091193623&doi=10.1016%2fj.ceramint.2020.09.110&partnerID=40&md5=17cc0f46094c33324ebcd9612c9b3a31
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Structure-guided protein engineering of human cathepsin L for efficient collagenolytic activity	Choudhury D., Biswas S.	Life Sciences	Protein Engineering, Design and Selection	2021	1741-0126	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103996784&doi=10.1093%2protein%2fgzab005&partnerID=40&md5=205c75357ea4c08dde39138e825fc973
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An intermittent extreme BL Lac: MWL study of 1ES 2344+514 in an enhanced state	Acciari V.A., Ansoldi S., Antonelli L.A., Arbet Engels A., B	Physical Sciences	Monthly Notices of the Royal Astronomical Society	2021	0035-8711	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099943852&doi=10.1093%2mnras%2staa1702&partnerID=40&md5=3d6fafbc855dcdf98e5389f2e43c6445e3
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MIR-592 activates the mTOR kinase, ERK1/ERK2 kinase signaling and imparts neuronal differentiation signature characteristic of Group 4 medulloblastoma	Paul R., Bapat P., Deogharkar A., Kazi S., Singh S.K.V., Gu	Medical and Health Sciences	Human Molecular Genetics	2021	0964-6906	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116620408&doi=10.1093%2hmg%2ddab201&partnerID=40&md5=41b3190260c7767cf921a41fd23c44e1
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Can Radiation Therapy Quality Assurance Improve Nasopharyngeal Cancer Outcomes in Low- and Middle-Income Countries: Reporting the First Phase of a Prospective International Atomic Energy Agency Study	Corry J., Ng W.T., Moore A., Choi H.C.W., Le Q., Holmes	Medical and Health Sciences	International Journal of Radiation Oncology Biology Physics	2021	0360-3016	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116794362&doi=10.1016%2fj.ijrobp.2021.08.013&partnerID=40&md5=9e39e5c9c36bfa5848a5a5b2cfeea916
Simultaneous analysis of urinary total 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanol, N'-nitrosonornicotine, and cotinine by liquid chromatography-tandem mass-spectrometry	Nikam S.S., Gurjar M., Singhavi H., Patil A., Singh A., Villa	Life Sciences;Medical and Health S	Scientific Reports	2021	2045-2322	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116762411&doi=10.1038%2s41598-021-99259-6&partnerID=40&md5=5c1c972ecab77383e87319556d422015c
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Paraaortic Lymph Nodal Staging & Evaluation of Treatment Outcome by 18–Fluorodeoxyglucose PET (Positron Emission Tomography) in Advanced Cervical Cancer: Final Results of a Prospective Observational Cohort Study	Sasidharan A., Mahantshetty U., Chopra S., Gurram L., P	Medical and Health Sciences	Indian Journal of Gynecologic Oncology	2021	2363-8397	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112020403&doi=10.1007%2fs40944-021-00565-1&partnerID=40&md5=8b743c87d93efa9e5fdcf7ea9f21b514
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Safe Delivery of Surgical Care in Head and Neck Cancer Patients During COVID-19—an Audit of Pattern of Presentation and Treatment Strategies in an Oncology Centre in the Northern India	Daga D., Mishra A., Sharma S.S., Rai A.K., Valsaraddy S.K	Medical and Health Sciences	Indian Journal of Surgical Oncology	2021	0975-7651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111532588&doi=10.1007%2fs13193-021-01399-1&partnerID=40&md5=302e4e3ce17f6679be315bd92bee3924
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Primary Peritoneal Rhabdomyosarcomatosis in a 2-Year-Old Child Treated with Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy — Case Report and Review of Literature	Kazi M., Qureshi S.S.	Medical and Health Sciences	Indian Journal of Surgical Oncology	2021	0975-7651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106314807&doi=10.1007%2fs13193-021-01351-3&partnerID=40&md5=d8c1fcefe5972fb987d7d7c1b9d38d8d
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Impact of the COVID-19 Pandemic on Cancer Researchers in 2020: A Qualitative Study of Events to Inform Mitigation Strategies	Fox L., Beyer K., Rammant E., Morcom E., Van Hemelrijck	Medical and Health Sciences	Frontiers in Public Health	2021	2296-2565	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85218300328&doi=10.3389%2fpubh.2021.741223&partnerID=40&md5=0683229ad14cdbe85eaae61af46d478e2
Late Toxicity After Adjuvant Conventional Radiation Versus Image-Guided Intensity-Modulated Radiotherapy for Cervical Cancer (PARCER): A Randomized Controlled Trial	Chopra S., Gupta S., Kannan S., Dora T., Engineer R., Ma	Life Sciences;Medical and Health S	Journal of Clinical Oncology	2021	0732-183X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121634382&doi=10.1200%2JCO.20.03308&partnerID=40&md5=531cd7d0dce9966f0cb1ae67c776c84b
Effect of 12 mg vs 6 mg of Dexamethasone on the Number of Days Alive without Life Support in Adults with COVID-19 and Severe Hypoxemia: The COVID STEROID 2 Randomized Trial	Munch M.W., Myatra S.N., Vijayaraghavan B.K.T., Saseen	Medical and Health Sciences	JAMA - Journal of the American Medical Association	2021	0098-7484	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114517869&doi=10.1001%2jama.2021.18295&partnerID=40&md5=091451fbd39a7a05009c3797e767ece6
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Effect of COVID-19 Pandemic on Gynecological Cancer Radiation During Complete Nationwide Lockdown: Observations and Reflections From Tertiary Care Institute in India	Shinghal A., Paul S., Chopra S., Gurram L., Scaria L., Kath	Life Sciences;Medical and Health S	Advances in Radiation Oncology	2021	2452-1094	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112278721&doi=10.1016%2fj.adro.2021.100725&partnerID=40&md5=d2bdc373c3c27fcc9e53f7934ee89534
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Real-Time 2D Ultrasound Guided Frameless Biopsy of a Multifocal Glioma: Improving Accuracy and Diagnostic Yield	Yeole U., Singh V., Shetty P., Moiyadi A.	Medical and Health Sciences	Neurology India	2021	0028-3886	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112290461&doi=10.4103%2f0028-3886.333481&partnerID=40&md5=e2a581

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Quality of life in patients with locally advanced head and neck cancer treated with concurrent chemoradiation with cisplatin and nimotuzumab versus cisplatin alone – Additional data from a phase 3 trial	Menon N., Patil V., Noronha V., Joshi A., Bhattacharjee	Medical and Health Sciences	Oral Oncology	2021	1368-8375	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115327015&doi=10.1016%2fj.oraloncology.2021.105517&partnerID=40&md5=26a0fb8723b72993cdb529d64ac12e0
Low-dose hydrocortisone in patients with COVID-19 and severe hypoxia: The COVID STEROID randomised, placebo-controlled trial	Munch M.W., Meyhoff T.S., Helleberg M., Kjær M.-B.N.	Medical and Health Sciences	Acta Anaesthesiologica Scandinavica	2021	0001-5172	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115113342&doi=10.1111%2faas.13941&partnerID=40&md5=6d68241cf95bc959aad6a1796792761
Oral and dental health status in patients undergoing neoadjuvant chemotherapy for locally advanced head and neck cancer	Dholam K.P., Sharma M.R., Gurav S.V., Singh G.P., Prabh	Medical and Health Sciences	Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiolog	2021	2212-4403	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114814474&doi=10.1016%2fj.oooo.2021.07.018&partnerID=40&md5=c27d532960992dcc9388f609d85620bf
Weekly supervised learning on unannotated H&E-stained slides predicts BRAF mutation in thyroid cancer with high accuracy	Anand D., Yashashwi K., Kumar N., Rane S., Gann P.H., S	Medical and Health Sciences	Journal of Pathology	2021	0022-3417	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114791161&doi=10.1002%2fpath.5773&partnerID=40&md5=8acce499be4ca7e6d72039cdee4ae19c3
Down-regulation of metabolic pathways could offset the poor prognosis conferred by co-existent diabetes mellitus in pancreatic (head) adenocarcinoma	Gardi N., Ketkar M., McKinnon R.A., Pandol S.J., Dutt S.	Medical and Health Sciences	Life Sciences	2021	1445-1433	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114721406&doi=10.1111%2fims.17194&partnerID=40&md5=717bd181f7815693155d845e5a3c2d1
Laparoscopic versus open resection in locally advanced rectal cancers: a propensity matched analysis of oncological and short-term outcomes	Sasi S., Kammar P., Mavillamany S., de' Souza A., Engine	Medical and Health Sciences	Colorectal Disease	2021	1462-8910	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114037696&doi=10.1111%2fcodi.15870&partnerID=40&md5=f17460a9813cec1a252f8c4cd965539c
Local recurrence with interspherincteric resection in adverse histology rectal cancers. A retrospective study with competing risk analysis	Denouxa A.L., Kazi M., Verma K., Sugoor P., Mahendra B.	Medical and Health Sciences	ANZ Journal of Surgery	2021	1445-1433	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113241691&doi=10.1111%2fans.17155&partnerID=40&md5=762633607e12e50d2b136182cdb60c8
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Reference centile curves for mid-upper arm circumference for assessment of under- and overnutrition in school-aged Indian children and adolescents	Khadilkar A.V., Khadilkar V.V., Gondhalekar K.M., Kajale	Medical and Health Sciences	Nutrition	2021	0899-9007	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111809239&doi=10.1016%2fj.nut.2021.111401&partnerID=40&md5=14013234e99ba7e4092baa132eb40238
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ASO Author Reflections: Revision Surgery or Timely Chemotherapy for Incidental Gallbladder Cancers: What is Actually Helping?	Patkar S., Patel S., Goel M.	Medical and Health Sciences	Annals of Surgical Oncology	2021	1068-9265	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100858638&doi=10.1245%2fs10434-021-09702-8&partnerID=40&md5=73f1d65487e101bf87133ad6a547ae76
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Mortality in Cancer Patients With COVID-19 Who Are Admitted to an ICU or Who Have Severe COVID-19: A Systematic Review and Meta-Analysis	Nadkarni A.R., Vijayakumaran S.C., Gupta S., Divatia J.V.	Life Sciences;Medical and Health S	JCO global oncology	2021	2687-8941	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114658509&doi=10.1200%2fGO.21.00072&partnerID=40&md5=3f3664907b953822fb4090eeaa78a4e4
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Operative technique of distal radius resection and wrist fusion with iliac crest bone graft	Gulia A., Prajapati A., Gupta S., Puri A.	Life Sciences;Medical and Health S	Journal of Clinical Orthopaedics and Trauma	2021	0976-5662	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106233121&doi=10.1016%2fj.jcot.2021.04.034&partnerID=40&md5=006c52166641f6f70d3315f8d047d249
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Importance of conventional cytogenetics in the identification of ins(19;X)(q13.1;p11.2q28) and t(1;11)(q12;q13), both, novel cytogenetic abnormalities in a pediatric AML case	Shetty D., Mohanty P., Talker E., Jain H., Chaubal K., Tar	Medical and Health Sciences	Cancer Genetics	2021	2210-7762	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103755466&doi=10.1016%2fj.cancergen.2021.03.002&partnerID=40&md5=5a0676a2a4949945fe1ae99d715e40
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Clinical course of severe COVID19 treated with tocilizumab and antivirals post-allogeneic stem cell transplant with extensive chronic GVHD	Mirgh S., Gokarn A., Punatar S., Chichra A., Singh A., Raj	Life Sciences;Medical and Health S	Transplant Infectious Disease	2021	1398-2273	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101007764&doi=10.1111%2tid.13576&partnerID=40&md5=6082e21a995a210fa161743d268d7aa8
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Conformal radiation therapy versus volumetric arc therapy in high dose concurrent chemoradiotherapy for carcinoma esophagus: A retrospective analysis	Dora T., Deshmukh J., Chatterjee A., Goel A., Bose S., Sin	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112131613&doi=10.4103%2fcrst.crst_123_21&partnerID=40&md5=6e1f86ffe975547e668e818d32f7949
Oncologists' perceptions of the need for assessing individual domains in the geriatric assessment and worthwhile outcomes in treating older patients with cancer: A questionnaire-based survey	Noronha V., Kalra D., Ramaswamy A., Gattani S., Menon	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112109711&doi=10.4103%2fcrst.crst_215_21&partnerID=40&md5=eaf0de204309c54856a6ebc5b9d514b
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18F-fluorodeoxyglucose Positron Emission Tomography/Computed Tomography in Postsurgical and Postprocedural Setting in Thorax and Abdomino-pelvic Malignancies: A Pictorial Essay (Part II)	Agrawal A., Prakash A., Choudhury S., Manikandan M.,	Medical and Health Sciences	Journal of Nuclear Medicine	2021	0972-3919	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116489896&doi=10.4103%2fjnm.jnm_223_20&partnerID=40&md5=9904dc2c35738c33361e7bfa6fdc87c
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Risk factors and dose-effects for bladder fistula, bleeding and cystitis after radiotherapy with image-guided adaptive brachytherapy for cervical cancer: An EMBRACE analysis	Sampinpato S., Fokdal L.U., Pötter R., Haie-Meder C., Lö	Medical and Health Sciences	Radiotherapy and Oncology	2021	0167-8140	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101119706&doi=10.1016%2fj.radonc.2021.01.015&partnerID=40&md5=2dace44ed6d36afc08185db04be8c88e
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Curative resection for adenocarcinoma of the gastro-esophageal junction following neo-adjuvant chemotherapy—thoraco-abdominal vs. trans-abdominal approach	Kumar N.A., Desouza A., Bhandare M.S., Murugan J.R., K	Medical and Health Sciences	Langenbeck's Archives of Surgery	2021	1435-2443	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102033066&doi=10.1007%2s00423-020-02020-9&partnerID=40&md5=7784e6d6c542b14bd9cd5f343842409be
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Importance of the ICRU bladder point dose on incidence and persistence of urinary frequency and incontinence in locally advanced cervical cancer: An EMBRACE analysis	Sampinpato S., Fokdal L.U., Pötter R., Haie-Meder C., Lö	Medical and Health Sciences	Radiotherapy and Oncology	2021	0167-8140	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095564125&doi=10.1016%2fj.radonc.2020.10.003&partnerID=40&md5=99c53fae42047de7875ff5bd9585540a
Sudden blast phase in pediatric chronic myeloid leukemia-chronic phase with abnormal lymphoid blasts detected by flow cytometry at diagnosis: Can it be considered a warning sign?	Vijayasekharan K., Chatterjee G., Ramanathan S., Narula	Medical and Health Sciences	Cytometry Part B - Clinical Cytometry	2021	1552-4949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092201958&doi=10.1002%2fcyto.b.21958&partnerID=40&md5=d240cd2963c390145aeb7ebe99f0d
Peri-operative, long-term, and quality of life outcomes after pancreaticoduodenectomy in the elderly: greater justification for perioperiatry cancer compared to pancreatic head cancer	Parray A., Bhandare M.S., Pandrowala S., Chaudhari V.A	Medical and Health Sciences	HPB	2021	1365-182X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85092201367&doi=10.1016%2fj.hpb.2020.09.016&partnerID=40&md5=5995fc9cd0dc9f5d0ccc0ce683ccc0b
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Thyroid-Like Follicular Carcinoma of the Kidney With Low-Grade Sarcomatoid Component: A Hitherto Undescribed Case	Rao V., Menon S., Bakshi G., Prakash G., Agarwal A., Dev	Medical and Health Sciences	International Journal of Surgical Pathology	2021	1066-8969	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087778441&doi=10.1177%2f1066896920940406&partnerID=40&md5=a30d3f909332d577d435a155fb231765
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Importance of Skeletal Staging in Chondrosarcoma of Bone: Results of Survey on Current Practices Among Musculoskeletal Oncologists	Gulia A., Gupta S., Kurkunkal V., Puri A.	Life Sciences;Medical and Health S	Indian Journal of Orthopaedics	2021	0019-5413	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85084254468&doi=10.1007%2fs43465-020-00125-3&partnerID=40&md5=23bb893f2bebcdb0886b212d692d5186
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Increasing breast cancer awareness and breast examination practices among women through health education and capacity building of primary healthcare providers: A pre-post intervention	Prusty R.K., Begum S., Patil A., Naik D.D., Pimple S., Mish	Medical and Health Sciences	Journal of Clinical Oncology	2021	2044-6055	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105042619&doi=10.1136%2bmjopen-2020-045424&partnerID=40&md5=d8eebd6dbafed5424e988b1175a17c3b
Prostate-Only Versus Whole-Pelvic Radiation Therapy in High-Risk and Very High-Risk Prostate Cancer (POP-RT): Outcomes From Phase III Randomized Controlled Trial	Murthy V., Maitre P., Kannan S., Panigrahi G., Krishnatry	Medical and Health Sciences	Journal of Clinical Oncology	2021	0732-183X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85103703414&doi=10.1200%2JCO.20.03282&partnerID=40&md5=d940029e4bebb8d5455dead5e4ef55db
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Diagnostic and prognostic application of Raman spectroscopy in carcinoma cervix: A biomolecular approach	Shrivastava A., Aggarwal L.M., Murali Krishna C., Pradha	Life Sciences	Spectrochimica Acta - Part A: Molecular and Biomolecular Spe	2021	1386-1425	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098704928&doi=10.1016%2fj.saa.2020.119358&partnerID=40&md5=79ba35b9e5051bdbbfce94904263bd5ab
Immune-checkpoint inhibitors in older patients with solid tumors: Real-world experience from India	Abraham G., Jobanputra K., Noronha V., Patil V., Menon	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112127487&doi=10.4103%2fcrst.crst_86_218&partnerID=40&md5=1ce7cd7f1f7c6e9bc996bd7b67547e7bb6
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HER2 alterations in non-small-cell lung cancer-Druggable or undruggable?	Bondili S., Nandhana R., Noronha V., Pawar S., Menon N	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112128938&doi=10.4103%2fcrst.crst_81_218&partnerID=40&md5=e70a0d9208572447633a9719c7c5ee6d
Optimal dose of bevacizumab in recurrent glioma: A retrospective study	Dsouza H., Singh G., Menon N., Abhyankar A., Puranik A	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112121837&doi=10.4103%2fcrst.crst_41_218&partnerID=40&md5=3e87a23daf74b445645f42890798b8f8
Impact of sex of the patient on efficacy and safety of cancer immunotherapy: A retrospective audit	Kapoor A., Noronha V., Patil V., Joshi A., Menon N., Mah	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112126916&doi=10.4103%2fcrst.crst_111_218&partnerID=40&md5=8707cad7c40c92b4e0120335595edc7d6
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Implementation of an early palliative care referral program in lung cancer: A quality improvement project at the tata memorial hospital, Mumbai, India	Ghoshal A., Deodhar J., Adhikarla C., Tiwari A., Dy S., Pa	Medical and Health Sciences	Indian Journal of Palliative Care	2021	0973-1075	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85117817421&doi=10.25259%2fIJPC_394_20&partnerID=40&md5=e4d6e871d21885945db4d72259d6f6b
COVID-19 vaccine uptake and vaccine hesitancy in Indian patients with cancer: A questionnaire-based survey	Noronha V., Abraham G., Bondili S., Rajpurohit A., Menn	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	2590-3233	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112570420&doi=10.4103%2fcrst.crst_138_218&partnerID=40&md5=654104845f62b78712ee6a6dd281
Indigenous groin board immobilization reduces planning target volume margins in groin radiotherapy	Krishnatry R., Mangaj A., Bhajbhuje R., Murthy V.	Medical and Health Sciences	Journal of Medical Physics	2021	0971-6203	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113264757&doi=10.4103%2fjmp.JMP_120_20&partnerID=40&md5=2ad230521961a62f3f396e97b1ec040
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Magnetic Resonance Imaging of Uterine Cervix: A Pictorial Essay	Gala F.B., Gala K.B., Gala B.M.	Medical and Health Sciences	Indian Journal of Radiology and Imaging	2021	0971-3026	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85111315534&doi=10.5505%2ijri.2021.40511&partnerID=40&md5=ff8ab0f7982b6aceab5ac3d1e42a8b870
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Ultrasound-guided assessment of gastric residual volume in patients receiving three types of clear fluids: A randomised blinded study	Doctor J., Chandan P., Shetty N., Gala K., Ranganathan P	Medical and Health Sciences	Indian Journal of Anaesthesia	2021	0019-5049	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104374268&doi=10.4103%2Fija.IJA_1291_20&partnerID=40&md5=ba2dda342d19793587114f73a5956da1
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Multinational study to assess stress levels among the health care workers of radiation oncology community at the outset of the COVID-19 pandemic	Wadasadawala T., Kumar A., Laskar S.G., Gondhowiardj	Medical and Health Sciences	JCO Global Oncology	2021	2687-8941	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85109963698&doi=10.1200%2FGO.20.00647&partnerID=40&md5=df297082ee9ba0566a4b1a4e45ab956d
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Impact of the novel coronavirus disease and lockdown on the packed red blood cells inventory management: An experience from a tertiary care oncology center in Western India	Gupta A.M., Ojha S., Nagaraju P., Poojary M., SH S., Saith	Medical and Health Sciences	Hematology, Transfusion and Cell Therapy	2021	2531-1379	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100654324&doi=10.1016%2fj.htct.2020.11.008&partnerID=40&md5=d912ed14e12eabadd11284431f9ae94d
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Results of image guided brachytherapy for stage IB cervical cancer in the RetroEMBRACE study	Petric P., Lindegaard J.C., Sturdza A., Fokdal L., Kirchheiner	Medical and Health Sciences	Radiotherapy and Oncology	2021	0167-8140	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100554206&doi=10.1016%2fj.radonc.2021.01.005&partnerID=40&md5=e90836bf7617c367acff630fc0e1236
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The proteomic analysis shows enrichment of RNA surveillance pathways in adult SHH and extensive metabolic reprogramming in Group 3 medulloblastoma	Kp M., Kumar A., Biswas D., Moiyadi A., Shetty P., Gupta	Medical and Health Sciences	Brain Tumor Pathology	2021	1433-7398	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099187230&doi=10.1007%2fs10014-020-00391-x&partnerID=40&md5=d9e269bf35d793e53a56620397399ea6
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Nodal recurrences after stereotactic body radiotherapy for early stage non–small-cell lung cancer	Tibdewal A., Pathak R.S., Agarwal J.P., Hoskote S.S., Mun	Medical and Health Sciences	Current Problems in Cancer	2021	0147-0272	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091712945&doi=10.1016%2fj.curprobcancer.2020.100613&partnerID=40&md5=eb694bd6a9ee8462b998a1671129755
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Standard maintenance therapy versus local consolidative radiation therapy and standard maintenance therapy in 1-5 sites of oligometastatic non-small cell lung cancer: A study protocol	Tibdewal A., Agarwal J.P., Srinivasan S., Mummudi N., N	Medical and Health Sciences	BMJ Open	2021	2044-6055	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102901910&doi=10.1136%2fbmjopen-2020-043628&partnerID=40&md5=d6e41d7c2e58524152746a8f96e31817
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Outcomes and prognostic factors in adolescents and young adults with ALL treated with a modified BFM-90 protocol	Rajendra A., Jain H., Bonda V.N.A., Nayak L., Tembhare	Medical and Health Sciences	Blood Advances	2021	2473-9529	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102134072&doi=10.1182%2fbloodadvances.2020003526&partnerID=40&md5=097268fee41774c8fc94a3a4a3d7ea
Correlation between Multidrug-Resistant Bacteria Colonization and Bloodstream Infections in Children with Hematolymphoid Malignancies at a Tertiary Cancer Center in India	Sahfu N., Narula G., Prasad M., Biswas S., Kelkar R., Bans	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2021	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107369401&doi=10.5005%2fjp-0041-1730851&partnerID=40&md5=93e415241b0ac5bc3cf3ba12acca6b65e
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An Analysis of Contemporary Oncology Randomized Clinical Trials from Low/Middle-Income vs High-Income Countries	Wells J.C., Sharma S., Del Paggio J.C., Hopman W.M., Gy	Medical and Health Sciences	JAMA Oncology	2021	2374-2437	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100477927&doi=10.1001%2fjamaoncol.2020.7478&partnerID=40&md5=63fd2d86f9227d4d955ea9756d6e2e0
Pharmacological Prophylaxis and Personal Protective Equipment (PPE) Practices in Gynecological Cancer Surgery During COVID-19 Pandemic	Singh P., Bhandonia G., Maheshwari A.	Medical and Health Sciences	Indian Journal of Gynecologic Oncology	2021	2363-8397	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100168264&doi=10.1007%2fs40944-021-00500-4&partnerID=40&md5=e9d0d91e338fda9b25b11c3fabeef7b6
Urinary reconstruction following total pelvic exenteration for locally advanced rectal cancer: complications and factors affecting outcomes	Kasi M., Rohila J., Kumar N.A., Bankar S., Engineer R., De	Medical and Health Sciences	Langenbeck's Archives of Surgery	2021	1435-2443	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100138527&doi=10.1007%2fs00423-021-02086-y&partnerID=40&md5=b929a767bff9b3076eb933d166fccfcf
Epithelioid hemangioendothelioma of breast with nodal metastasis masquerading as breast carcinoma: An unusual case with review of literature	Pai T., Shet T., Patil A., Parmar V., Wadasadawala T., Dh	Medical and Health Sciences	Human Pathology: Case Reports	2021	2214-3300	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099252345&doi=10.1016%2fj.ehpc.2020.200465&partnerID=40&md5=f7167ae1db598637396 7e87f42a58b
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Treatment Compliance and Clinical Outcomes in Older Patients with Cervical Cancer Treated with Radiotherapy/Therapy—A Retrospective Analysis	Khondekar N.K., Gurram L., Visariya B., Chopra S., Gupta	Life Sciences;Medical and Health S	Indian Journal of Gynecologic Oncology	2021	2363-8397	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098793517&doi=10.1007%2fs40944-020-00476-7&partnerID=40&md5=8fbf7471cddddde62614bd3625bff869
Randomized controlled trial comparing the efficacy of pectoral nerve block with general anesthesia alone in patients undergoing unilateral mastectomy	Sharma S., Tiwari S., Sharma K., Nair N.	Medical and Health Sciences	Indian Journal of Surgical Oncology	2021	0975-7651	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85087633086&doi=10.1007%2fs13193-020-01269-2&partnerID=40&md5=ecd1927ad38081ed3e15dd6f7e3c91a3
Impact of surgical staging for aggressive histology rectal cancers: a retrospective review	Kasi M., Nekkanti S.S., Rohila J., Patel S., Sukumar V., De	Medical and Health Sciences	ANZ Journal of Surgery	2021	1445-1433	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85098259464&doi=10.1111%2fans.16496&partnerID=40&md5=dfd06629d05b26c40ee23eefef37c9e01
Efficacy of Capecitabine plus Irinotecan vs Irinotecan Monotherapy as Second-line Treatment in Patients with Advanced Gallbladder Cancer: A Multicenter Phase 2 Randomized Clinical Trial (GB-AMAROS)	Ramaswamy A., Ostwal V., Sharma A., Bhargava P., Srini	Life Sciences;Medical and Health S	JAMA Oncology	2021	2374-2437	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097433053&doi=10.1001%2fjamaoncol.2020.6166&partnerID=40&md5=005c0159b4d7cce7bb7fa5d6e2a1c0ed
Dose-Volume Effects and Risk Factors for Late Diarrhea in Cervix Cancer Patients After Radiochemotherapy With Image-Guided Adaptive Brachytherapy in the EMBRACE I Study	K. Jensen N.B., Pötter R., Spampinato S., Fokdal L.U., Ch	Medical and Health Sciences	International Journal of Radiation Oncology Biology Physics	2021	0360-3016	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097221948&doi=10.1016%2fj.ijrobp.2020.10.006&partnerID=40&md5=5d005960e68b3a2d121ff56a0e14134f
Preferences for the measurement and supplementation of magnesium, phosphate and zinc in ICUs: The international WhyTrace survey	Vesterlund G.K., Ostermann M., Myatra S.N., Arabi Y.M.	Medical and Health Sciences	Acta Anaesthesiologica Scandinavica	2021	0001-5172	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85096274556&doi=10.1111%2faas.13738&partnerID=40&md5=fb2b4566224ce643933e20807e6d46f02
Safety and Efficacy of Ultra-hypofractionation in Node-positive Prostate Cancer	Telikhade T., Murthy V., Kanala T.S., Mathew J.M., Phura	Medical and Health Sciences	Clinical Oncology	2021	0936-6555	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095167002&doi=10.1016%2fj.clon.2020.10.016&partnerID=40&md5=4ea4676d4854d8ad38cb14f506ac658
Prospective Longitudinal Assessment of Quality of Life and Activities of Daily Living as Patient-Reported Outcome Measures in Recurrent/Progressive Glioma Treated with High-dose Salvage	Maitre P., Gupta T., Maitre M., Goda J., Krishnatry R., Ch	Medical and Health Sciences	Clinical Oncology	2021	0936-6555	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85094809596&doi=10.1016%2fj.clon.2020.08.011&partnerID=40&md5=29bff6a73d9292496f2f1a8eeb10c1eed
Cytomorphological features of an unusual case of a multifocal pseudomyogenic (epithelioid sarcoma-like) hemangioendothelioma in a young adult male	Rekhi B., Ramadwar M.	Medical and Health Sciences	Diagnostic Cytopathology	2021	8755-1039	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090126425&doi=10.1002%2fdc.24606&partnerID=40&md5=e678b89b215777edfe0e40b0876fc3d
Utility of CD36 as a novel addition to the immunophenotypic signature of RAM-phenotype acute myeloid leukemia and study of its clinicopathological characteristics	Panda D., Chatterjee G., Sardana R., Khanka T., Ghogale	Life Sciences;Medical and Health S	Cytometry Part B - Clinical Cytometry	2021	1552-4949	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089631948&doi=10.1002%2fcyto.b.21943&partnerID=40&md5=859e5cb1c0bb714d1c5faedc69e6c66f
Primary intracranial Ewing sarcoma/ peripheral primitive neuroectodermal tumor, an entity of unacquaintance: a series of 8 cases	Deshpande G., Epari S., Gupta C., Shetty O., Gurav M., C	Medical and Health Sciences	Child's Nervous System	2021	0256-7040	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85089107512&doi=10.1007%2fs00381-020-04850-w&partnerID=40&md5=aa1c3aa2765a77fb99d940ebab34132d
Establishing a Multidisciplinary Liver Tumour Clinic in a Limited Resource Scenario: Core Concepts and Our Experience	Parray A., Patkar S., Shetty N., Goel M.	Medical and Health Sciences	Journal of Gastrointestinal Cancer	2021	1941-6628	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85088571519&doi=10.1007%2fs12029-020-00463-3&partnerID=40&md5=447cbfe883f1b7fbe326f8d2677eb5bb
Effect of screening by clinical breast examination on breast cancer incidence and mortality after 20 years: Prospective, cluster randomised controlled trial in Mumbai	Mittra I., Mishra G.A., Dikshit R.P., Gupta S., Kulkarni V.Y	Life Sciences;Medical and Health S	The BMJ	2021	0959-8146	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101756697&doi=10.1136%2fbmj.n256&partnerID=40&md5=309f11d85ba2897b46e8893a1b70095
Protocol for a phase II randomised controlled trial of TKI alone versus TKI and local consolidative radiation therapy in patients with oncogene driver-mutated oligometastatic non-small cell lung	Tibdewal A., Agarwal J., Mummudi N., Noronha V., Prab	Medical and Health Sciences	BMJ Open	2021	2044-6055	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100951671&doi=10.1136%2fbmjopen-2020-041345&partnerID=40&md5=03a205388142895c026452a7b6b61122
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Molecular imaging of the kinetics of hyperactivated ERK1/2-mediated autophagy during acquirement of chemoresistance	Bishnu A., Phadke P., Dhadve A., Sakpal A., Rekhi B., Ray	Life Sciences;Medical and Health S	Cell Death and Disease	2021	2041-4889	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101027356&doi=10.1038%2fs41419-021-03451-y&partnerID=40&md5=2a466dbe879187d5cc0ba7f6f61c3a0
Stereotactic body radiotherapy for high-risk prostate cancer: A systematic review	Foerster R., Zwahlen D.R., Buchali A., Tang H., Schroeder	Medical and Health Sciences	Cancers	2021	2072-6694	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100683830&doi=10.3390%2fcancers13040759&partnerID=40&md5=3e4cb4d3ac8dc7fcce9fe7dc9ea35f79
Airway management in the critically ill	Myatra S.N.	Medical and Health Sciences	Current Opinion in Critical Care	2021	1070-5295	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099113817&doi=10.1097%2fMCC.0000000000000791&partnerID=40&md5=773d2a5a833b22b0064ac5bb21c9b3e7
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Comparative analysis of platelet concentrates prepared after two hours and overnight storage of buffy coat at room temperature	Ojha S., Tirlotkar A., Gupta A.M., Sumathi S.H., Chavan	Medical and Health Sciences	Transfusion and Apheresis Science	2021	1473-0502	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097102903&doi=10.1016%2fj.transci.2020.103014&partnerID=40&md5=a41a48cbe1ec7b5d1f7a8725cc89c1e7
Controversies in airway management of COVID-19 patients: updated information and international expert consensus recommendations	Wei H., Jang B., Behringer E.C., Hofmeyr R., Myatra S.N.	Medical and Health Sciences	British Journal of Anaesthesia	2021	0007-0912	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097086965&doi=10.1016%2fj.bja.2020.10.029&partnerID=40&md5=fb2844472b45310f9c12c3cae6e52677
Intravascular extension of Wilms tumor: Characteristics of tumor thrombus and their impact on outcomes	Qureshi S.S., Bhagat M., Smriti V., Murli D., Baheti A., Ya	Medical and Health Sciences	Journal of Pediatric Urology	2021	1477-5131	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102649084&doi=10.1016%2fj.jpurol.2020.10.003&partnerID=40&md5=d6c30cbe9d0d7373cdc4a8bbcb25aea
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A Case of Inv(1)(p23q31) TPR-NTRK1 Fusion-Positive Spindle Cell Neoplasm in an Infant—Uncovered by Next-Generation Sequencing: Diagnostic Challenge, Review, and Therapeutic Implications	Rekhi B., Shetty O., Bapat P., Gurav M., Qureshi S.	Medical and Health Sciences	International Journal of Surgical Pathology	2021	1066-8969	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085023242&doi=10.1177%2F1066896920927467&partnerID=40&md5=cb3d535afd5f31d89c2b7c094b67dae
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EpCAM-Mediated Cellular Plasticity Promotes Radiation Resistance and Metastasis in Breast Cancer	Mal A., Bukhari A.B., Singh R.K., Kapoor A., Barai A., Des	Life Sciences;Medical and Health S	Frontiers in Cell and Developmental Biology	2021	2296-634X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097288796&doi=10.3389%2ffcell.2020.597673&partnerID=40&md5=30e6cfedce7b02e16f6837c1b46310f
Identification of molecular basis for objective discrimination of breast cancer cells (MCf-7) from normal human mammary epithelial cells by raman microspectroscopy and multivariate curve resolution analysis	Iwasaki K., Araki A., Krishna C.M., Maruyama R., Yamam	Life Sciences	International Journal of Molecular Sciences	2021	1661-6596	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093816706&doi=10.3390%2fijms22020830&partnerID=40&md5=e6c5bda7d25a1d4ce57e0f97e88d687c
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Efficacy and safety of neoadjuvant chemotherapy (NACT) with paclitaxel plus carboplatin and oral metronomic chemotherapy (OMCT) in patients with technically unresectable oral squamous cancer	Kashyap L., Patil V., Noronha V., Joshi A., Menon N., Joh	Medical and Health Sciences	ecancermedicalscience	2021	1754-6605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122160685&doi=10.3332%2fecancer.2021.1325&partnerID=40&md5=b5f5046d93aad9fee2bb3a2372c84d1b
Extragenital endometrial stromal sarcoma of transverse mesocolon: A diagnostic conundrum	Sharma A., Bal M., Menon S.	Medical and Health Sciences	International Journal of Surgical Pathology	2021	1066-8969	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85085477738&doi=10.1177%2F1066896921070485&partnerID=40&md5=ecb41c44992e734bea60a5fc345409f15
Pattern of use of intraoperative ultrasound in surgery for brain tumors influences outcomes in glial tumors	Yeole U., Shetty P., Singh V., Moiyadi A.	Medical and Health Sciences	British Journal of Neurosurgery	2021	0268-8697	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121754209&doi=10.1080%2f02688697.2021.2016619&partnerID=40&md5=e4505949eab0e39cd30b93f802169ec
Correlation of Clinicopathological Profile, Prognostic Factors, and Survival Outcomes with Baseline Alfa-Fetoprotein Levels in Patients With Hepatocellular Carcinoma: A Biomarker that is Ignored in Low Resource	Jearth V., Patil P.S., Mehta S., Sundaram S., Seth V., Gove	Medical and Health Sciences	Journal of Clinical and Experimental Hepatology	2021	0973-6883	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85121471360&doi=10.1016%2fj.joeh.2021.11.006&partnerID=40&md5=8bf7ae7333ae998022746d0dbc2c9470
Diclofenac versus tramadol for mucositis related pain in head and neck cancer patients undergoing concurrent chemoradiation—a phase 3 study	Joshi A., Patil V.M., Noronha V., Bhattacharjee A., Menon	Medical and Health Sciences	ecancermedicalscience	2021	1754-6605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85112432316&doi=10.3332%2fecancer.2021.1318&partnerID=40&md5=995651d5ef821b4d509ae55f4e81949
Neoadjuvant therapy in borderline resectable pancreatic cancer: Outcomes in the era of changing practices and evolving evidence	Chaudhari V.A., Mitra A., Gupta V.,

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Measuring Satisfaction in Breast Cancer Patients Receiving Ambulatory Care: A Validation Study	Wadasadawala T., Mengaj A., Mokal S., Pathak R., Sarin	Medical and Health Sciences	Medical and Health Sciences	2021	0971-5851	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120634308&doi=10.1055%2fs-0041-1735603&partnerID=40&md5=a63e6ad84da55d677fd05bbf6cd505d
Quantitative and qualitative application of clinical drawings for image-guided brachytherapy in cervical cancer patients	Mahantshetty U., Banerjee S., Sturdza A., Kirisits C., Ma	Medical and Health Sciences	Journal of Contemporary Brachytherapy	2021	1689-832X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85120355939&doi=10.5114%2fjcb.2021.110273&partnerID=40&md5=6d2331776bb1be7abcf3e8193ddf76a3
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Determinants of completion of cancer directed treatment: An experience from a rural cancer centre, Sangrur, Punjab state, India	Budukh A.M., Chaudhary D., Sancheti S., Dora T., Goel A	Medical and Health Sciences	ecancermedicalscience	2021	1754-6605	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119334563&doi=10.3332%2fECANCER.2021.1313&partnerID=40&md5=908e79364e7d49d86ed03eb45e17fc
Concomitant endoscopic biliary, duodenal and colonic stent placement for advanced carcinoma of gall bladder	Sundaram S., Harindranath S., Rao P.K., Ramani N., Kale	Medical and Health Sciences	International Journal of Gastrointestinal Intervention	2021	2636-0012	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85119174925&doi=10.18528%2ijgii210020&partnerID=40&md5=8b85c9feaa47dc86d9de2b138a1ce0a
Red Cell Distribution Width and Gallbladder Cancer: Is It Really Useful?	Kattepur A.K., Patkar S., Ramaswamy A., Ostwal V., Goel	Medical and Health Sciences	Journal of Gastrointestinal Cancer	2021	1941-6628	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118853380&doi=10.1007%2fs12029-021-00742-7&partnerID=40&md5=ccd71bf7a09fc802f05e2f5d5015e4249
Impact of Adjuvant Treatment in pN3 Penile Cancer	Khurud P., Krishnatry R., Telikhede T., Patil A., Prakash G	Medical and Health Sciences	Clinical Oncology	2021	0936-6555	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118669868&doi=10.1016%2fj.clon.2021.10.005&partnerID=40&md5=30ab920de50c1cbd6ef15b9e61b90c1f
Feasibility of Delivering High-Dose Methotrexate in Adolescent and Adult All Patients: A Retrospective Study	Shenoy R., Panda G., Bonda V.N.A., Wangar M., Thorat J.	Medical and Health Sciences	Journal of Hematology and Blood Transfusion	2021	0971-4502	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118483175&doi=10.1007%2fs12288-021-01502-0&partnerID=40&md5=c23bd63b620f845f2940359207fb7ff
Radical D2 gastrectomy with adjuvant chemotherapy for stage IB/II/III distal gastric cancers in the era of perioperative chemotherapy: A propensity matched comparison	Singh H.K., Chaudhari V., Batra S., Ostwal V., Ramaswam	Medical and Health Sciences	American Journal of Surgery	2021	0002-9610	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118253715&doi=10.1016%2fj.amjsurg.2021.10.036&partnerID=40&md5=30330e0a199b376092276c5c04d2c8e8
Validation of a portable whole-slide imaging system for frozen section diagnosis	Kaushal R., Rajagaonsen S., Rao V., Sali A., More B., Desa	Medical and Health Sciences	Journal of Pathology Informatics	2021	2229-5089	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116926342&doi=10.4103%2fjpi.jpi_95_20&partnerID=40&md5=f4338ec5fa4662f01280545195575c52
Organ preserving pancreatic resections offers better long-term conservation of pancreatic function at the expense of significantly high perioperative major morbidity: A fair trade-off for	Gupta V., Bhandare M., Chaudhari V., Shrikhande S.	Medical and Health Sciences	Annals of Hepato-Biliary-Pancreatic Surgery	2021	2508-5778	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116227027&doi=10.14701%2fahbps.ISP-170&partnerID=40&md5=4eb9e85efb7583032d023f0e0ef76113
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Patient-reported quality of life with interstitial partial breast brachytherapy and external beam whole breast radiotherapy: a comparison using propensity-score matching	Wadasadawala T., Maitre P., Sinha S., Parmar V., Pathak	Medical and Health Sciences	Journal of Contemporary Brachytherapy	2021	1689-832X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85115763847&doi=10.5114%2fjcb.2021.107030&partnerID=40&md5=0e5bf9bbc589d0e2f5d088d4e6af44d98
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Primary exseous burkitt lymphoma mimicking multiple myeloma - A case report and review of literature	Roy S., Mandal T.K., Nayak L., Gupta A., Shetty D.L.	Medical and Health Sciences	Journal of Applied Hematology	2021	1658-5127	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102639546&doi=10.4103%2fjoah.joah_107_20&partnerID=40&md5=736d2cd9f7f091ed190f574634b382bf
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Understanding the binding affinities between SFRP1 CRD, SFRP1 Netrin, Wnt 5B and frizzled receptors 2, 3 and 7 using MD simulations	Sunkara R.R., Koulgi S., Jani V., Gadewal N., Sonavane U.	Life Sciences	Journal of Biomolecular Structure and Dynamics	2021	0739-1102	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102183745&doi=10.1080%2f07391102.2021.1890219&partnerID=40&md5=bfb64a8f40667824a6ea12994b43d881
Prognostic value of imaging-based parameters in patients with intermediate-stage hepatocellular carcinoma undergoing transarterial radioembolization	Puranik A.D., Rangarajan V., Gosavi A., Shetty N., Gala K	Medical and Health Sciences	Nuclear Medicine Communications	2021	0143-3636	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85102093596&doi=10.1097%2fMNM.0000000000001334&partnerID=40&md5=0c4080c06bc5e571c53c1ed03bec6c05a
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Familial Gigantiform Cementoma with Calcium Steal Phenomenon and Social Stigma: A Case Report with Review of Literature	Yadav S.C., Mittal N., Bal M., Qureshi S.	Medical and Health Sciences	Journal of Maxillofacial and Oral Surgery	2021	0972-8279	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101212455&doi=10.1007%2fs12663-021-01521-4&partnerID=40&md5=e4829d29865dfe9d627fb7518bcdf79d7
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Validation of Whole Slide Imaging for primary surgical pathology diagnosis of prostate biopsies	Rao V., Subramanian P., Sali A., Menon S., Desai S.	Medical and Health Sciences	Indian Journal of Pathology and Microbiology	2021	0377-4929	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099440248&doi=10.4103%2fIJPM.IJPM_855_19&partnerID=40&md5=341123988811562e20a223f3070b0c1
Navigated ultrasound-based image guidance during resection of gliomas: practical utility in intraoperative decision-making and outcomes	Shetty P., Yeole U., Singh V., Moiyadi A.	Medical and Health Sciences	Neurosurgical Focus	2021	1092-0684	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099326794&doi=10.3171%2f2020.10.FOCUS20558&partnerID=40&md5=f5a9e51ff4eac0954bcb1fc25609ebe7d
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Systematic Review of the Burden and Treatment Patterns of Adult and Adolescent Acute Lymphoblastic Leukemia in India: Comprehending the Challenges in an Emerging Economy	Radhakrishnan V.S., Agrawal N., Bagal B., Patel I.	Medical and Health Sciences	Clinical Lymphoma, Myeloma and Leukemia	2021	2152-2650	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099017986&doi=10.1016%2fj.clml.2020.08.023&partnerID=40&md5=5e876:1c0d35a7448b5f55b6ef0c2fe
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Ratio of photon anisotropic flow in relativistic heavy ion collisions	Chatterjee R., Dasgupta P.	Physical Sciences	Physical Review C	2021	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85122512571&doi=10.1103%2fPhysRevC.104.064907&partnerID=40&md5=e1fc5c91939ca4328fcb232d1e6f05a
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Anisotropic flow of photons in relativistic heavy ion collisions	Chatterjee R.	Physical Sciences	Pramana - Journal of Physics	2021	0304-4289	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85100519492&doi=10.1007%2fs12043-020-02038-0&partnerID=40&md5=a3aebda4e470f35c557ae87aee8e40
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Dynamical spectral structure of density fluctuation near the QCD critical point	Hasanujjaman M., Sarwar G., Rahaman M., Bhattacharya	Physical Sciences	European Physical Journal A	2021	1434-6001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85116814170&doi=10.1140%2epja%2fs10050-021-00589-3&partnerID=40&md5=85454c06e89c3ee1a7c9d0babedfc5a3e
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Projectile mass dependent nano patterning and optical band gap tailoring of muscovite mica	Bhowmik D., Mukherjee J., Karmakar P.	Physical Sciences	Radiation Physics and Chemistry	2021	0969-806X	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85106883721&doi=10.1016%2fj.radphyschem.2021.109568&partnerID=40&md5=362745052595e5889a5e9457995760028
Sensitive search for near-symmetric and super-asymmetric fission-fission of the superheavy element Flerovium (Z=114)	Banerjee K., Hinde D.J., Dasgupta M., Sadhukhan J., Sim	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hig	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85113965438&doi=10.1016%2fj.physletb.2021.136601&partnerID=40&md5=0b39519f09c5c90275fd6d5e0e0d8ec82
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Development and characterization of polyethylene and deuterated polyethylene targets for nuclear physics experiments	Saha R.M., Banerjee K., Manna S., Kundu S., Rana T.K., G	Physical Sciences	Journal of Instrumentation	2021	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85110511238&doi=10.1088%2f1748-0221%2f16%2f07%2fT07070D2&partnerID=40&md5=06be6f8c355c40310b2729cd0c36d20836
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Simultaneous layer exfoliation and defect activation in g-C3N4nanosheets with air-water interfacial plasma: spectroscopic defect probing with tailored optical properties	Kashyap T., Boruah P.J., Bailung H., Sanyal D., Choudhur	Physical Sciences	Nanoscale Advances	2021	2516-0230	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107455021&doi=10.1039%2fd1na00098e&partnerID=40&md5=a3421a2d2b01d1acec19283ffefff8b7
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Physics of strongly interacting matter at high net-baryon density	Chattopadhyay S.	Physical Sciences	European Physical Journal: Special Topics	2021	1951-6355	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105887391&doi=10.1140%2epjst%2fs11734-021-00024-0&partnerID=40&md5=5e0b8fb771afb206fddae12a934baf1
Puzzle of collective enhancement in the nuclear level density	Pandit D., Dey B., Bhattacharya S., Rana T.K., Mondal D.,	Engineering Sciences;Physical Scier	Physics Letters, Section B: Nuclear, Elementary Particle and Hig	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85101928278&doi=10.1016%2fj.physletb.2021.136178&partnerID=40&md5=7cbca38e089fd1f9e43ee3c18c174f9
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Thermal photons as a sensitive probe of α -cluster in C + Au collisions at the BNL Relativistic Heavy Ion Collider	Dasgupta P., Ma G.-L., Chatterjee R., Yan L., Zhang S., Ma	Physical Sciences	European Physical Journal A	2021	1434-6001	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104678984&doi=10.1140%2epja%2fs10050-021-00441-8&partnerID=40&md5=9c93cd2d1f9e1328b32599fda95995d0
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Probing entrance channel effects in fusion-fission dynamics through neutron multiplicity measurement of 208Bn	Kumar N., Verma S., Mohsina S., Sadhukhan J., Rojeeta G	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle and Hig	2021	0370-2693	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85099395182&doi=10.1016%2fj.physletb.2021.136062&partnerID=40&md5=e4afacc04e938032e3c97b968d6f9a68
Development of a Reference Database for Beta-Delayed Neutron Emission	Dimitriou P., Difilmann I., Singh B., Piksaikin V., Rykaczew	Physical Sciences	Nuclear Data Sheets	2021	0090-3752	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85105054650&doi=10.1016%2fj.nds.2021.04.006&partnerID=40&md5=e37b5864e9b7c674a8e277c74e29fe65
Estimation of initial-state structures in high-energy heavy-ion collisions using principal component analysis	Acharya S., Chattopadhyay S.	Physical Sciences	Physical Review C	2021	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104271502&doi=10.1103%2fPhysRevC.103.034909&partnerID=40&md5=2e1514011bed77587fb9c6d3408b9787
Complex fragment emission in dissipative binary decay of Kr 74,76	Rana T.K., Kundu S., Bhattacharya C., Manna S., Roy P.,	Physical Sciences	Physical Review C	2021	2469-9985	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85104244667&doi=10.1103%2fPhysRevC.103.034614&partnerID=40&md5=9c0504ff926704c38f59632a30306e8
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Study of medium modified jet shape observables in Pb-Pb collisions at sNN=2.76TeV using EPOS and JEWEL event generators	Saha S.K., Sarkar D., Chattopadhyay S., Sheikh A.I., Prasa	Physical Sciences	Nuclear Physics A	2021	0375-9474	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85095755736&doi=10.1016%2fj.nuclphysa.2020.122064&partnerID=40&md5=797200e92fc30102e4495fc9fa0c28321b
Half-metallic ferromagnetism in molybdenum doped methylammonium lead halides (MAPbX3, X = Cl, Br, I) system: First-principles study	Moshat S., Luitel H., Sanyal D.	Physical Sciences	Journal of Magnetism and Magnetic Materials	2021	0304-8853	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85093660121&doi=10.1016%2fj.jmmm.2020.167463&partnerID=40&md5=ed6cef791b3025b3567555924f3fac1
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Design and development of a low cost Arduino controlled ethernet interfaced Majority Logic Unit	Dalal S., Bhaskar P., Banerjee K., Khan S.A., Bhattacharya	Physical Sciences	Journal of Instrumentation	2021	1748-0221	https://www.scopus.com/inward/record.uri?eid=2-s2.0-85097839338&doi=10.1088%2f1748-0221%2f16%2f01%2fP01008&partnerID=40&md5=aabf5586e69214ee2d5c32d26e74e861