3.4.9 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	h-index	Citation
Overexpression of MusaSNAC1 improves shoot proliferation in transgenic banana lines	Negi S., Tak H., Ganapathi T.R.	Life Sciences	3 Biotech	2021	49	2
Trichoderma virens Bys1 may competitively inhibit its own effector protein Alt a 1 to stabilize the symbiotic relationship with plant-evidence from docking and simulatior	Kumar R., Mukherjee P.K.	Life Sciences	3 Biotech	2021	49	2
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., Kumar V.	Life Sciences	3 Biotech	2021	49	6
MRI features of signet ring rectal cancer	Suthar M., Baheti A.D., Ankathi S.K., Choudhari A., Haria P.D., Engineer R., Ostwa	Medical and Health Sciences	Abdominal Radiology	2021	76	0
Accuracy of MRI for nodal restaging in rectal cancer: a retrospective study of 166 cases	Pangarkar S., Mistry K., Choudhari A., Smriti V., Ahuja A., Katdare A., Engineer R.	Medical and Health Sciences	Abdominal Radiology	2021	76	2
2-Approximating Feedback Vertex Set in Tournaments	Lokshtanov D., Misra P., Mukherjee J., Panolan F., Philip G., Saurabh S.	Mathematical Sciences	ACM Transactions on Algorithms	2021	52	0
On the Parameterized Approximability of Contraction to Classes of Chordal Graphs	Gunda S., Jain P., Lokshtanov D., Saurabh S., Tale P.	Mathematical Sciences	ACM Transactions on Computation Theory	2021	52	1
Computation of Hadwiger Number and Related Contraction Problems: Tight Lower Bounds	Fomin F.V., Lokshtanov D., Mihajlin I., Saurabh S., Zehavi M.	Mathematical Sciences	ACM Transactions on Computation Theory	2021	52	1
Popular Matching in Roommates Setting Is NP-hard	Gupta S., Misra P., Saurabh S., Zehavi M.	Mathematical Sciences	ACM Transactions on Computation Theory	2021	52	1
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., Rana P., Sengar A.S., Ghc	Mathematical Sciences	ACS Applied Bio Materials	2021	30	3
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., Basu M., Uppal S., Has	Chemical Sciences;Life Sciences	ACS Applied Bio Materials	2021	30	0
Solid-Supported Amplification of Aggregation Emission: A Tetraphenylethylene-Cucurbit[6]uril@Hydroxyapatite-Based Supramolecular Sensing Assembly for the Detectic	Naik V.G., Kumar V., Bhasikuttan A.C., Kadu K., Ramanan S.R., Bhosle A.A., Bane	Chemical Sciences	ACS Applied Bio Materials	2021	30	10
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., Vatsa R.K.	Chemical Sciences;Life Sciences	ACS Applied Bio Materials	2021	30	1
Light Harvesting from Oxygen Vacancies and A- And B-Site Dopants in CaSnO3Perovskite through Efficient Photon Utilization and Local Site Engineering	Gupta S.K., Modak B., Das D., Yadav A.K., Modak P., Debnath A.K., Sudarshan K.	Chemical Sciences;Physical Scien	ACS Applied Electronic Materials	2021	23	3
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., Singh S., Fukumura T., I	Physical Sciences	ACS Applied Electronic Materials	2021	23	2
Ion Beam-Mediated Defect Engineering in TiOxThin Films for Controlled Resistive Switching Property and Application	Hasina D., Kumar M., Singh R., Mollick S.A., Mitra A., Srivastava S.K., Luong M.A.	Physical Sciences	ACS Applied Electronic Materials	2021	23	1
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	53	3
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	53	7
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., Rout C.S.	Physical Sciences	ACS Applied Energy Materials	2021	53	4
Mechanism of Na-Ion Conduction in the Highly Efficient Layered Battery Material Na2Mn3O7	Saha B.C., Bera A.K., Yusuf S.M.	Physical Sciences	ACS Applied Energy Materials	2021	53	0
Synergetic Effect of NiO xDecoration and Oxygen Plasma Treatment on Electrochemical Capacitor Performance of Vertical Graphene Nanosheets	Sahoo G., Polaki S.R., Pazhedath A., Krishna N.G., Mathews T., Kamruddin M.	Physical Sciences	ACS Applied Energy Materials	2021	53	7
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., Senapati D.	Chemical Sciences	ACS Applied Energy Materials	2021	53	1
Unveiling the Excellent Electrocatalytic Activity of Grain-Boundary Enriched Anisotropic Pure Gold Nanostructures toward Hydrogen Evolution Reaction: A Combined App	Mondal S., De S.K., Jana R., Roy A., Mukherjee M., Datta A., Satpati B., Senapati	Chemical Sciences;Physical Scien	ACS Applied Energy Materials	2021	53	4
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., Chakraborty B., Behera J.N.	Chemical Sciences	ACS Applied Materials and Interfaces	2021	255	2
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., Lodha S.	Physical Sciences	ACS Applied Materials and Interfaces	2021	255	5
Metal-Free Supramolecular Catalytic Hydrolysis of Ammonia Borane through Cucurbituril Nanocavitands	Ruz P., Banerjee S., Khurana R., Barooah N., Sudarsan V., Bhasikuttan A.C., Moha	Chemical Sciences	ACS Applied Materials and Interfaces	2021	255	8
Mechanistic Insights for Photoelectrochemical Ethanol Oxidation on Black Gold Decorated Monoclinic Zirconia	Wadhwa R., Yadav K.K., Goswami T., Ankush, Guchhait S.K., Sunaina, Nishanthi S	Chemical Sciences	ACS Applied Materials and Interfaces	2021	255	2
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.P.	Physical Sciences	ACS Applied Materials and Interfaces	2021	255	15
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., Ningthoujam R.S.	Chemical Sciences;Life Sciences	ACS Applied Materials and Interfaces	2021	255	16
3D Porous Polymeric-Foam-Supported Pd Nanocrystal as a Highly Efficient and Recyclable Catalyst for Organic Transformations	Sahoo L., Mondal S., Beena N.C., Gloskovskii A., Manju U., Topwal D., Gautam U.	Physical Sciences	ACS Applied Materials and Interfaces	2021	255	7
Extending the Cyclability of Alkaline Zinc-Air Batteries: Synergistic Roles of Li+and K+Ions in Electrodics	Thakur P., Alam K., Roy A., Downing C., Nicolosi V., Sen P., Narayanan T.N.	Physical Sciences	ACS Applied Materials and Interfaces	2021	255	1
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., Lewis L.A., Mao Y.	Chemical Sciences	ACS Applied Nano Materials	2021	44	1
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., Chakravarty R., Nagara	Chemical Sciences;Engineering Sc	ACS Applied Nano Materials	2021	44	6
WS2Nanosheet/Si p-n Heterojunction Diodes for UV-Visible Broadband Photodetection	Pal S., Mukherjee S., Jangir R., Nand M., Jana D., Mandal S.K., Bhunia S., Mukher	Physical Sciences	ACS Applied Nano Materials	2021	44	2
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., Sudarshan K., Pujari P.K.	Chemical Sciences	ACS Applied Polymer Materials	2021	25	1
Lithium-Irradiated Poly(vinylidene fluoride) Nanohybrid Membrane for Radionuclide Waste Management and Tracing	Prakash O., Mhatre A.M., Tripathi R., Pandey A.K., Yadav P.K., Khan S.A., Maiti P.	Chemical Sciences	ACS Applied Polymer Materials	2021	25	2
Phosphate-based Ce(IV) Ion-Imprinted Polymers for Separation of Berkelium: Testing the Homologue Imprinting Approach for Heavy Actinides	Mhatre A., Agarwal C., Nag T.N., Bhattacharyya A., Tripathi R.	Chemical Sciences	ACS Applied Polymer Materials	2021	25	0
Self-Anchored Platinum-Decorated Antimony-Doped-Tin Oxide as a Durable Oxygen Reduction Electrocatalyst	He C., Sankarasubramanian S., Ells A., Parrondo J., Gumeci C., Kodali M., Matanc	Chemical Sciences	ACS Catalysis	2021	231	4
Unveiling the Roles of Lattice Strain and Descriptor Species on Pt-Like Oxygen Reduction Activity in Pd-Bi Catalysts	Sarkar S., Ramarao S.D., Das T., Das R., Vinod C.P., Chakraborty S., Peter S.C.	Physical Sciences	ACS Catalysis	2021	231	12
Ruthenium(II)-Catalyzed Regioselective 1,2-Hydrosilylation of N-Heteroarenes and Tetrel Bonding Mechanism	Behera D., Thiyagarajan S., Anjalikrishna P.K., Suresh C.H., Gunanathan C.	Chemical Sciences	ACS Catalysis	2021	231	8
Breaking the Trend: Insight into Unforeseen Reactivity of Alkynes in Cobalt-Catalyzed Weak Chelation-Assisted Regioselective C(4)-H Functionalization of 3-Pivaloyl Indole	Banjare S.K., Nanda T., Pati B.V., Adhikari G.K.D., Dutta J., Ravikumar P.C.	Chemical Sciences	ACS Catalysis	2021	231	5
Structural Dynamics of RNA in the Presence of Choline Amino Acid Based Ionic Liquid: A Spectroscopic and Computational Outlook	Tulsiyan K.D., Jena S., GonzÃ¡lez-Viegas M., Kar R.K., Biswal H.S.	Chemical Sciences	ACS Central Science	2021	95	2
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., Kumar R., Tapryal S., Jha	Physical Sciences	ACS Chemical Neuroscience	2021	79	3
Extraterrestrial Organic Molecules from [SiX]+Ions: A Coupled Cluster Theory Inquest for Plausible Reaction Pathways	Tiwari P., Jena S., Biswal H.S.	Chemical Sciences	ACS Earth and Space Chemistry	2021	26	0
Single Mn Atom Doping in Chiral Sensitive Assembled Gold Clusters to Molecular Magnet	Swain D.K., Mallik G., Srivastava P., Kushwaha A.K., Rajput P., Jha S.N., Lim S., Kil	Physical Sciences	ACS Nano	2021	413	0
CFD Simulation of the Airborne Transmission of COVID-19 Vectors Emitted during Respiratory Mechanisms: Revisiting the Concept of Safe Distance	Mariam, Magar A., Joshi M., Rajagopal P.S., Khan A., Rao M.M., Sapra B.K.	Physical Sciences	ACS Omega	2021	55	13
γ-Ray-Assisted Synthesis of a Pt-Sn Bimetallic Composite Loaded on Graphene-Graphitic Carbon Nitride Hybrid: A Cocktail Electrocatalyst for the Methanol Oxidation Rea	Poudyal D.C., Dugani R., Dash B.S., Dhavale M., Satpati A.K., Haram S.K.	Chemical Sciences	ACS Omega	2021	55	0
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	55	1
Brilliant nonlinear optical response of Ho3+and Yb3+activated YVO4nanophosphor and its conjugation with Fe3O4for smart anticounterfeit and hyperthermia applicatior	Perala R.S., Joshi R., Singh B.P., Putta V.N.K., Acharya R., Ningthoujam R.S.	Chemical Sciences	ACS Omega	2021	55	2
Enrichment of crystal field modification via incorporation of Alkali K+Ions in YVO4:Ho3+/Yb3+nanophosphor and its hybrid with superparamagnetic iron oxide nanopartic	Perala R.S., Singh B.P., Putta V.N.K., Acharya R., Ningthoujam R.S.	Chemical Sciences	ACS Omega	2021	55	2
Investigations on Crystalline Perfection, Raman Spectra and Optical Characteristics of Transition Metal (Ru) Co-Doped Mg:LiNbO3Single Crystals	Rahman M.K.R., Riscob B., Bhatt R., Bhaumik I., Ganesamoorthy S., Vijayan N., B	Physical Sciences	ACS Omega	2021	55	3
Recent Advances in the Design and Syntheses of Porphyrinoids by Embedding Higher Analogues of Arene and Pyridine Units	Das M., Adinarayana B., Srinivasan A.	Chemical Sciences	ACS Omega	2021	55	1
Naringin as Sustained Delivery Nanoparticles Ameliorates the Anti-inflammatory Activity in a Freund's Complete Adjuvant-Induced Arthritis Model	Mohanty S., Konkimalla V.B., Pal A., Sharma T., Si S.C.	Life Sciences	ACS Omega	2021	55	1
Large-Scale Green Synthesis of Porphyrins	Mondal S., Pain T., Sahu K., Kar S.	Chemical Sciences	ACS Omega	2021	55	1
Chemoselective Ullmann Reaction of Î±-Trisubstituted Thioamides: Synthesis of Novel 2-Iminobenzothiolanes	Bhattacharya A., Thirupathi A., Natarajan P., Peruncheralathan S.	Chemical Sciences	ACS Omega	2021	55	0
Gram-Scale Synthesis of 1,8-Naphthyridines in Water: The Friedlander Reaction Revisited	Choudhury S.S., Jena S., Sahoo D.K., Shekh S., Kar R.K., Dhakad A., Gowd K.H., Bi	Chemical Sciences	ACS Omega	2021	55	5
New Greener and Sustainable Methodology for Direct Sequestering and Analysis of Uranium Using a Maline Supramolecular Scaffold and Mechanistic Understanding thro	Srivastava A., Dumpala R.M.R., Sahu P., Yadav A.K., Rawat N., Ali S.K.M., Sahu M	Chemical Sciences	ACS Sustainable Chemistry and Engineering	2021	132	3
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	132	7
Distributed Computing with Engineered Bacteria and Its Application in Solving Chemically Generated 2 × 2 Maze Problems	Sarkar K., Chakraborty S., Bonnerjee D., Bagh S.	Life Sciences	ACS Synthetic Biology	2021	74	2
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., Granholm A., Hjortsø C.	Medical and Health Sciences	Acta Anaesthesiologica Scandinavica	2021	112	13
New-onset atrial fibrillation in the intensive care unit: Protocol for an international inception cohort study (AFIB-ICU)	Wetterslev M., Møller M.H., Granholm A., Haase N., Hassager C., Lange T., Hästt	Medical and Health Sciences	Acta Anaesthesiologica Scandinavica	2021	112	1
Higher vs lower doses of dexamethasone in patients with COVID-19 and severe hypoxia (COVID STEROID 2) trial: Protocol and statistical analysis plan	Munch M.W., Granholm A., Myatra S.N., Vijayaraghavan B.K.T., Cronhjort M., W	Medical and Health Sciences	Acta Anaesthesiologica Scandinavica	2021	112	13
Higher vs Lower Doses of Dexamethasone in Patients with COVID-19 and Severe Hypoxia (COVID STEROID 2) trial: Protocol for a secondary Bayesian analysis	Granholm A., Munch M.W., Myatra S.N., Vijayaraghavan B.K.T., Cronhjort M., W	Medical and Health Sciences	Acta Anaesthesiologica Scandinavica	2021	112	11
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., Sadat M., Zampieri F.G	Medical and Health Sciences	Acta Anaesthesiologica Scandinavica	2021	112	1
Management of acute atrial fibrillation in the intensive care unit: An international survey	Wetterslev M., Møller M.H., Granholm A., Hassager C., Haase N., Aslam T.N., Sh	Medical and Health Sciences	Acta Anaesthesiologica Scandinavica	2021	112	0
Ultra-high strength steel made from AISI 304L using a novel thermo-mechanical processing technique	Sunil S., Kapoor R., Sarkar S.K., Sarita, Biswas A., Donthula H., Sen D.	Engineering Sciences	Acta Materialia	2021	316	2
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., Bhattacharya D., Banerjee S.	Chemical Sciences;Physical Scien	Acta Materialia	2021	316	1
Genome wide comparison of Leishmania donovani strains from Indian visceral leishmaniasis and para-kala-azar dermal leishmaniasis patients	Sarraf N.R., Mukhopadhyay S., Banerjee A., Das A.K., Roy S., Chakrabarti S., Man	Life Sciences	Acta Tropica	2021	106	0
Harnessing the Extracellular Electron Transfer Capability of Geobacter sulfurreducens for Ambient Synthesis of Stable Bifunctional Single-Atom Electrocatalyst for Water S	Pedireddy S., Jimenez-Sandoval R., Ravva M.K., Nayak C., Anjum D.H., Jha S.N., K	Physical Sciences	Advanced Functional Materials	2021	349	2
MXene-Coupled Sandwich-Like Polyaniline as Dual Conductive Electrode for Flexible All-Solid-State and Ionic-liquid-Based Supercapacitors with Superior Energy Density	Seenath J.S., Biswal B.P.	Chemical Sciences	Advanced Materials Interfaces	2021	78	2
Thermal plasma synthesized nano-powders of (LaCe)B6 starting from oxide-based precursors and its field electron emission performance	Kamble S.A., Harpale K., Nandi A., Ghorui S., Bhattacharjee D., Bhoraskar S.V., M	Physical Sciences	Advanced Powder Technology	2021	79	0
Spin Pumping and Inverse Spin Hall Effect in Iridium Oxide	Sahoo B., Roy K., Gupta P., Mishra A., Satpati B., Singh B.B., Bedanta S.	Physical Sciences	Advanced Quantum Technologies	2021	19	0
Biomorphic SiC: porous SiC and ultrafine SiC powder formation through biomimicking route	Abdul Karim G., Ghosh A., Rao R., Krishnan M.	Physical Sciences	Advances in Applied Ceramics	2021	49	1
Recent advances in active targeting of nanomaterials for anticancer drug delivery	Dutta B., Barick K.C., Hassan P.A.	Chemical Sciences	Advances in Colloid and Interface Science	2021	194	14
A study of Kostant-Kumar modules via Littelmann paths	Kushwaha M.S., Raghavan K.N., Viswanath S.	Mathematical Sciences	Advances in Mathematics	2021	99	0
K -group of absolute matrix order unit spaces	Karn A.K., Kumar A.	Mathematical Sciences	Advances in Operator Theory	2021	11	0
Initial value problem for the nonconservative zero-pressure gas dynamics system [ProblÃ¨me de la valeur initiale pour le systÃ¨me dynamique des gaz Ã pression nulle n	Das A., Joseph K.T., Sahoo M.R.	Mathematical Sciences	Advances in Pure and Applied Mathematics	2021	13	0
Effect of COVID-19 Pandemic on Gynecological Cancer Radiation During Complete Nationwide Lockdown: Observations and Reflections From Tertiary Care Institute in Inc	Shinghal A., Paul S., Chopra S., Gurram L., Scaria L., Kohle S., Rane P., A D., Purav	Life Sciences;Medical and Health	Advances in Radiation Oncology	2021	25	3
Ekavimsati patrani (21 leaves) used during Vinayaka Chaviti festival in India: medicinal, environmental and cultural importance	Kora A.J.	Life Sciences	Advances in Traditional Medicine	2021	15	0
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., Chaudhury P., Shashank C.	Physical Sciences	Aerosol and Air Quality Research	2021	63	5
Quantitative performance analysis of respiratory facemasks using atmospheric and laboratory generated aerosols following with gamma sterilization	Kumar A., Sangeetha D.N., Yuvaraj R., Menaka M., Subramanian V., Venkatrama	Physical Sciences	Aerosol and Air Quality Research	2021	63	7
Scavenging of Submicron Aerosol Particles by Cloud of Charged Droplets Generated from Electro-Hydrodynamic Atomizer (EHDA)	Singh S., Khan A., Nakhwa A., Sapra B.K., Mayya Y.S.	Life Sciences;Physical Sciences	Aerosol Science and Engineering	2021	10	0
Effect of charge on aerosol microphysics of particles emitted from a hot wire generator: Theory and experiments	Ghosh K., Tripathi S.N., Joshi M., Mayya Y.S., Khan A., Sapra B.K.	Physical Sciences	Aerosol Science and Technology	2021	10	0
Core-shell Fe3O4@ZnO nanoparticles for magnetic hyperthermia and bio-imaging applications	Gupta J., Hassan P.A., Barick K.C.	Chemical Sciences	AIP Advances	2021	64	3
Landau damping in one dimensional periodic inhomogeneous collisionless plasmas	Pandey S.K., Ganesh R.	Physical Sciences	AIP Advances	2021	64	2
Anharmonicity of optical phonon modes in copper doped rutile TiO2 nanorod composed microflowers	Sahoo S., Ghorai G., Ghosh K., Das B., Sikdar M.K., Sahoo P.K.	Physical Sciences	AIP Advances	2021	64	1
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., Dutt R., Sagdeo A., Tiwari P	Physical Sciences	AIP Advances	2021	64	4
Physiological and thylakoid proteome analyses of Anabaena sp. PCC 7120 for monitoring the photosynthetic responses under cadmium stress	Srivastava A., Biswas S., Yadav S., Kumar A., Rajaram H., Srivastava V., Mishra Y.	Life Sciences	Algal Research	2021	64	2
The Brylinski Filtration for Affine Kac-Moody Algebras and Representations of W -algebras	Govindarajan S., Sharma S.S., Viswanath S.	Mathematical Sciences	Algebras and Representation Theory	2021	29	0
Recognizing k-Clique Extendible Orderings	Francis M., Neogi R., Raman V.	Mathematical Sciences	Algorithmica	2021	75	0
Approximation in (Poly-) Logarithmic Space	Biswas A., Raman V., Saurabh S.	Mathematical Sciences	Algorithmica	2021	75	0
Packing Arc-Disjoint Cycles in Tournaments	Bessy S., Bougeret M., Krithika R., Sahu A., Saurabh S., Thiebaut J., Zehavi M.	Mathematical Sciences	Algorithmica	2021	75	0
Simultaneous Feedback Edge Set: A Parameterized Perspective	Agrawal A., Panolan F., Saurabh S., Zehavi M.	Mathematical Sciences	Algorithmica	2021	75	2
Parameterized Complexity of Directed Spanner Problems	Fomin F.V., Golovach P.A., Lochet W., Misra P., Saurabh S., Sharma R.	Mathematical Sciences	Algorithmica	2021	75	0
International Nosocomial Infection Control Consortium (INICC) report, data summary of 45 countries for 2013-2018, Adult and Pediatric Units, Device-associated Module	Rosenthal V.D., Duszynska W., Ider B.-E., Gurskis V., Al-Ruzzieh M.A., Myatra S.N	Medical and Health Sciences	American Journal of Infection Control	2021	114	8
Understanding energy propagation during reflection of an evanescent electromagnetic wave	Kalkal Y., Kumar V.	Chemical Sciences	American Journal of Physics	2021	99	0
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., Ramaswamy A., Mokal S., Shrikhan	Medical and Health Sciences	American Journal of Surgery	2021	159	2
An international multidisciplinary consensus statement on the prevention of opioid-related harm in adult surgical patients	Levy N., Quinlan J., El-Boghdadly K., Fawcett W.J., Agarwal V., Bastable R.B., Cox	Medical and Health Sciences	Anaesthesia	2021	124	44
An overview of molecular biology and nanotechnology based analytical methods for the detection of SARS-CoV-2: Promising biotools for the rapid diagnosis of COVID-19	Kailasa S.K., Mehta V.N., Koduru J.R., Basu H., Singhal R.K., Murthy Z.V.P., Park T	Chemical Sciences	Analyst	2021	160	24
Flexible and wearable electrochemical biosensors based on two-dimensional materials: Recent developments	Mathew M., Radhakrishnan S., Vaidyanathan A., Chakraborty B., Rout C.S.	Physical Sciences	Analytical and Bioanalytical Chemistry	2021	174	38
Emergency Airway Management Outside the Operating Room: Current Evidence and Management Strategies	Karamchandani K., Wheelwright J., Yang A.L., Westphal N.D., Khanna A.K., Myat	Medical and Health Sciences	Anesthesia and Analgesia	2021	208	4
Emergency Airway Management in Patients with COVID-19: A Prospective International Multicenter Cohort Study	Wong D.J.N., El-Boghdadly K., Owen R., Johnstone C., Neuman M.D., Andruszkie	Medical and Health Sciences	Anesthesiology	2021	124	15
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., Pandey P., Mukherjee S.P., Ch	Physical Sciences	Angewandte Chemie - International Edition	2021	579	4
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	579	10
On the structure of order 4 class groups of Q(√n2+1)	Chakraborty K., Hoque A., Mishra M.	Mathematical Sciences	Annales Mathematiques du Quebec	2021	8	1
Bayesian Effective Biological Dose Determination in Immunotherapy Response Trial	Banerjee S., Bose T., Patil V.M., Bhattacharjee A., Prabhash K.	Medical and Health Sciences	Annals of Data Science	2021	17	0
Poorly differentiated chordoma showing loss of SMARCB1/INI1: Clinicopathological and radiological spectrum of 9 cases, including uncommon features of a relatively unc	Rekhi B., Michal M., Ergen B., Roy P., Puls F., Haugland H.K., Soylemezoglu F., Ko	Medical and Health Sciences	Annals of Diagnostic Pathology	2021	58	2
Primary mediastinal germ cell tumours with high prevalence of somatic malignancy: An experience from a single tertiary care oncology centre	Beg A., Kumar R., Sahay A., Janu A., Joshi A., Noronha V., Prabhash K., Karimund	Medical and Health Sciences	Annals of Diagnostic Pathology	2021	58	0
Extensive cavo-atrial and hepatic venous tumor thrombus in a mismanaged retroperitoneal pediatric germ cell tumor: A unique surgical challenge	Kazi M., Kaushik P., Saini S., Premchandani D., Qureshi S.S.	Medical and Health Sciences	Annals of Hepato-Biliary-Pancreatic Surgery	2021	78	0
Organ preserving pancreatic resections offers better long-term conservation of pancreatic function at the expense of significantly high perioperative major morbidity: A fa	Gupta V., Bhandare M., Chaudhari V., Shrikhande S.	Medical and Health Sciences	Annals of Hepato-Biliary-Pancreatic Surgery	2021	78	0
STROCSS 2021: Strengthening the reporting of cohort, cross-sectional and case-control studies in surgery	Mathew G., Agha R., Albrecht J., Goel P., Mukherjee I., Pai P., D'Cruz A.K., Nixon	Medical and Health Sciences	Annals of Medicine and Surgery	2021	30	27
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	72	0
Experimental study on thermo-chemical behavior of PHWR fuel channel under slumped fuel pin condition	Ajay K., Kumar R., Gupta A., Gokhle O., Mukhopadhyay D.	Engineering Sciences	Annals of Nuclear Energy	2021	72	0
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	72	0
Sensor position optimization for flux mapping in a nuclear reactor using compressed sensing	Bahuguna S.K., Mukhopadhyay S., Tiwari A.P.	Engineering Sciences	Annals of Nuclear Energy	2021	72	0
Comparative studies of iterative methods for solving the "optimally diffusive" coarse mesh finite difference accelerated transport equation	Jain L., Karthikeyan R., Kannan U.	Physical Sciences	Annals of Nuclear Energy	2021	72	1
Longitudinal deformation study of pressure tube of Indian PHWR under high temperature transient	Singh A.R., Tariq A., Sahoo P.K., Majumdar P., Mukhopadhyay D.	Engineering Sciences	Annals of Nuclear Energy	2021	72	4
Convergence analysis of the non-linear CMFD schemes for acceleration of multi-group fixed source neutron transport calculations	Jain L., Prabhakaran M., Karthikeyan R., Kannan U.	Physical Sciences	Annals of Nuclear Energy	2021	72	1
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	72	1
Development of in-core fuel management tool for AHWR using artificial neural networks	Thakur A., Sarkar D., Bharti V., Kannan U.	Physical Sciences	Annals of Nuclear Energy	2021	72	2
Generation of simulated corium using thermite process	Hemanth Rao E., Shukla P.K., Venkat Reddy G., Murthy S.S., Kumaresan M., Das	Chemical Sciences	Annals of Nuclear Energy	2021	72	0
Performance evaluation of a continuous and a discontinuous magnetic circuit annular linear induction pump	Sharma P., Nashine B.K., Mani A.	Physical Sciences	Annals of Nuclear Energy	2021	72	0
An efficient Dijkstra's semaphore based k-out-of-n Petri net voting model: An application to shutdown actuation system reliability	Shukla D.K., Arul A.J.	Engineering Sciences	Annals of Nuclear Energy	2021	72	0
LQGI/LTR based robust control technique for a pressurized water nuclear power plant	Vajpayee V., Becerra V., Bausch N., Deng J., Shimjith S.R., Arul A.J.	Engineering Sciences	Annals of Nuclear Energy	2021	72	5
Investigations on neutron attenuation properties of poly-boron materials using Am-Be and 252Cf sources neutron spectra	Balasundar S., Chandrasekaran S., Subramanian V., Venkatraman B.	Physical Sciences	Annals of Nuclear Energy	2021	72	2
Detection of subassembly bowing in a fast breeder reactor using glancing angle ultrasonic imaging	Chaitanya G.M.S.K., Kumar A.	Engineering Sciences	Annals of Nuclear Energy	2021	72	1
131I-MIBG negative progressive symptomatic metastatic paraganglioma: response and outcome with 177Lu-DOTATATE peptide receptor radionuclide therapy	Parghane R.V., Talole S., Basu S.	Medical and Health Sciences	Annals of Nuclear Medicine	2021	61	4
The efficacy, challenges, and facilitators of telemedicine in post-treatment cancer survivorship care: an overview of systematic reviews	Chan R.J., Crichton M., Crawford-Williams F., Agbejule O.A., Yu K., Hart N.H., de	Medical and Health Sciences	Annals of Oncology	2021	258	9
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	109	1
Perioperative Provider Safety in Low- And Middle-income Countries during the COVID-19 Pandemic: A Call for Renewed Investments in Resources and Training	Starr N., Capo-Chichi N., Moore J., Shreckengost C.H., Fernandez K., Ambulkar R.	Medical and Health Sciences	Annals of Surgery	2021	322	1
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	184	0
Revision Surgery for Incidental Gallbladder Cancer—Challenging the Dogma: Ideal Timing and Real-World Applicability	Patkar S., Patel S., Gupta A., Ramaswamy A., Ostwal V., Goel M.	Medical and Health Sciences	Annals of Surgical Oncology	2021	184	4
Mechanical Ventilation Discontinuation Practices in Asia A Multinational Survey	Leung C.H.C., Lee A., Arabi Y.M., Phua J., Divatia J.V., Koh Y., Du B., Tan C.C., Emi	Medical and Health Sciences	Annals of the American Thoracic Society	2021	122	1
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., Barreto S.G.	Life Sciences	ANZ Journal of Surgery	2021	74	2
Local recurrence with intersphincteric resection in adverse histology rectal cancers. A retrospective study with competing risk analysis	Desouza A.L., Kazi M., Verma K., Sugoor P., Mahendra B.K., Saklani A.P.	Medical and Health Sciences	ANZ Journal of Surgery	2021	74	0
Impact of surgical staging for aggressive histology rectal cancers: a retrospective review	Kazi M., Nekkanti S.S., Rohila J., Patel S., Sukumar V., Desouza A., Saklani A.	Medical and Health Sciences	ANZ Journal of Surgery	2021	74	4
Cadmium Selenide Formation Influences the Production and Characteristics of Extracellular Polymeric Substances of Anaerobic Granular Sludge	Mal J., Nancharaiah Y.V., Bourven I., Simon S., van Hullebusch E.D., Guibaud G., I	Life Sciences	Applied Biochemistry and Biotechnology	2021	119	1
Immobilization of crystalline Fe2O3 nanoparticles over SiO2 for creating an active and stable catalyst: A demand for high temperature sulfuric acid decomposition	Nadar A., Banerjee A.M., Pai M.R., Meena S.S., Patra A.K., Sastry P.U., Singh R., S	Chemical Sciences;Physical Scien	Applied Catalysis B: Environmental	2021	274	7
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., Sengupta A., Chiao Y.-H.	Chemical Sciences	Applied Clay Science	2021	142	27
Constraining the mean transit time (MTT) of relatively modern thermal waters in Deccan volcanic geothermal area, India using tritium tracer	Chatterjee S., Deodhar A.S., Sinha U.K., Biswal B.P.	Chemical Sciences	Applied Geochemistry	2021	138	0
A Novel SSA-NLLSF Approach for Denoising NQR Signals	Varma K.T., Peesapati R., Rao C.V.R., Rajarajan A.K., Dixit M., Joshi G.	Engineering Sciences;Life Science	Applied Magnetic Resonance	2021	46	0
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., Modi M.H.	Physical Sciences	Applied Optics	2021	203	3
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 Sci	Applied Optics	2021	203	2
Xantphos-coordinated palladium dithiolates: Highly efficient catalyst for decarboxylative Sonogashira reaction into corresponding alkynes	Lokolkar M.S., Mane P.A., Dey S., Bhanage B.M.	Chemical Sciences	Applied Organometallic Chemistry	2021	76	1
Cu (II) and Co (II/III) complexes of N,O-chelated Schiff base ligands: DNA interaction, protein binding, cytotoxicity, cell death mechanism and reactive oxygen species gene	Mondal S.S., Jaiswal N., Bera P.S., Tiwari R.K., Behera J.N., Chanda N., Ghosal S.,	Chemical Sciences	Applied Organometallic Chemistry	2021	76	3
Structural, magnetic and electronic properties of Zn0.94Co0.06O/ZnO heterostructure	Rajput P., Nand M., Gupta M., Sagdeo P.R., Sagdeo A., Sharma S.K., Coelha A.A.,	Physical Sciences	Applied Physics A: Materials Science and Processing	2021	154	0
Enhanced blue photoluminescence of cobalt-reduced graphene oxide hybrid material and observation of rare plasmonic response by tailoring morphology	Singh N., Ansari J.R., Pal M., Das A., Sen D., Chattopadhyay D., Datta A.	Physical Sciences	Applied Physics A: Materials Science and Processing	2021	154	1
Controlling the morphology of nanocrystalline Y(OH)3 powders synthesized by microwave-hydrothermal route and effect of annealing	Gadipelly T., Dasgupta A., Sornadurai D., Dhara S.	Physical Sciences	Applied Physics A: Materials Science and Processing	2021	154	0
Hydrogen sensing behaviour of platinum and palladium functionalized silicon nanowalls	Behera A.K., Viswanath R.N., Manovah David T., Prasad A.K., Ajikumar P.K., Mat	Physical Sciences	Applied Physics A: Materials Science and Processing	2021	154	2
A nanolayered structure for sensitive detection of hemoglobin concentration using surface plasmon resonance	Singh M.K., Pal S., Verma A., Das R., Prajapati Y.K.	Physical Sciences	Applied Physics A: Materials Science and Processing	2021	154	3
Facile synthesis of Ce-doped ZnO nanospindles for photocatalytic applications	Choudhary S., Bisht A., Satpati B., Mohapatra S.	Physical Sciences	Applied Physics A: Materials Science and Processing	2021	154	0
Facile fabrication of CuO nanosheets for photocatalytic applications	Sahu K., Satpati B., Mohapatra S.	Physical Sciences	Applied Physics A: Materials Science and Processing	2021	154	3
Influence of electric field on SHG properties of LN/PMMA nanocomposites	Debnath C., Verma S., Kar S., Bartwal K.S., Tiwari V.S., Karnal A.K.	Physical Sciences	Applied Physics B: Lasers and Optics	2021	134	0
Radiation-resistant beta-photovoltaic battery using Ce-doped Gd3Ga3Al2O12 single-crystal scintillator	Tyagi M., Singh A., Banerjee D., Sugilal G., Kaushik C.P.	Chemical Sciences;Engineering Sc	Applied Physics Letters	2021	452	0
Modifications in the nanoparticle-protein interactions for tuning the protein adsorption and controlling the stability of complexes	Kumar S., Saha D., Takata S.-I., Aswal V.K., Seto H.	Physical Sciences	Applied Physics Letters	2021	452	4
Magneto-electric coupled ordered PMN-PT/NiFe2O4composite nanostructures	Ahlawat A., Roth R., Rata D., Dorr K., Khan A.A., Deshmukh P., Shirolkar M.M., S	Physical Sciences	Applied Physics Letters	2021	452	2
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., Satapathy S., Choudhary R	Physical Sciences	Applied Physics Letters	2021	452	1
Temperature-induced first-order electronic topological transition in β-Ag2Se	Sharath Chandra L.S., Ramjan S.K., Banik S., Sagdeo A., Chattopadhyay M.K.	Physical Sciences	Applied Physics Letters	2021	452	1
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	82	0

Fast neutron interrogation of special nuclear material using differential die-away technique	Roy T., Kashyap Y., Shukla M., Singh P., Baribaddala R.	Physical Sciences	Applied Radiation and Isotopes	2021	82	0
Application of gamma-ray spectrometry, neutron multiplicity counting and calorimetry for non-destructive assay of U–Pu mixed samples	Patra S., Tripathi R., Pujari P.K.	Chemical Sciences	Applied Radiation and Isotopes	2021	82	0
Production of a broad palette of positron emitting radioisotopes using a low-energy cyclotron: Towards a new success story in cancer imaging?	Chakravarty R., Chakraborty S.	Chemical Sciences	Applied Radiation and Isotopes	2021	82	3
Evaluation of influential correction factors applicable for absolute beta dosimetry of 85Kr, 90Sr–90Y and 106Ru–106Rh beta emitters	Rakshit S., Kulkarni M.S., Panyam V.S., Sathian V.	Physical Sciences	Applied Radiation and Isotopes	2021	82	1
An electrochemical technique for fabrication of Mn-54 sources towards characterization of gamma counting nuclear instruments	Kumar M., Dey M.K., Satpati A.K., Shukla R., Nuwad J., Gandhi S.S., Pandey U., Sa	Chemical Sciences	Applied Radiation and Isotopes	2021	82	0
An environmental gamma spectrometry system with CsI(Tl) scintillator and FPGA based MCA for open field deployment	Mitra P., Gupta A., Reddy G.P., Srivastava S., Tyagi M., Sharma M.K., Gadkari S.C	Engineering Sciences;Physical Sci	Applied Radiation and Isotopes	2021	82	0
Selective permeation of 90Y from a mixture of 90Y/90Sr through diglycolamide impregnated supported liquid membranes	Kumar R., Ansari S.A., Kandwal P., Mohapatra P.K.	Chemical Sciences	Applied Radiation and Isotopes	2021	82	1
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 P., Datta D.	Physical Sciences	Applied Radiation and Isotopes	2021	82	0
Study of optically stimulated luminescence and calculation of trapping parameters of K2Ca2(SO4)3:Eu nanophosphor	Mandlik N.T., Sahare P.D., Kulkarni M.S., Rawat N.S., Gaikwad N.P., Dhole S.D.	Physical Sciences	Applied Radiation and Isotopes	2021	82	3
Ceramic based electronic component as retrospective radiation dosimeter	Jakathamani S., Annalakshmi O., Jose M.T., Mathiyarasu R., Venkatraman B.	Physical Sciences	Applied Radiation and Isotopes	2021	82	0
Separation of 71,72As from alpha particle induced gallium oxide target by solid cation and anion exchangers, DOWEX-50 and DOWEX-1	Naskar N., Lahiri S.	Chemical Sciences	Applied Radiation and Isotopes	2021	82	1
Separation of 206Po from alpha particle irradiated lead bismuth eutectic target	Naskar N., Lahiri S.	Chemical Sciences	Applied Radiation and Isotopes	2021	82	1
Salivary Raman Spectroscopy: Standardization of Sampling Protocols and Stratification of Healthy and Oral Cancer Subjects	Hole A., Tyagi G., Deshmukh A., Deshpande R., Gota V., Chaturvedi P., Krishna C.	Life Sciences;Medical and Health	Applied Spectroscopy	2021	115	2
Interface-driven static and dynamic magnetic properties of ultrathin Fe/Ge multilayers	Singh S., Bhatt H., Kumar Y., Prajapat C.L., Mishra A., Bedanta S., Basu S.	Physical Sciences	Applied Surface Science	2021	204	0
Local structural investigations of graphitic ZnO and reduced graphene oxide composite	Yadav A.K., Padma N., Ghorai G., Sahoo P.K., Rao R., Banarjee S., Rajarajan A.K.,	Physical Sciences	Applied Surface Science	2021	204	2
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.S.	Chemical Sciences	Applied Surface Science	2021	204	2
TiO2/Carbon allotrope nanohybrids for supercapacitor application with theoretical insights from density functional theory	Seetharaman A., Kandasamy M., Manivannan S., Jothivenkatachalam K., Subram	Physical Sciences	Applied Surface Science	2021	204	5
Catechol detection in pure and transition metal decorated 2D MoS2: Acumens from density functional theory approaches	Lakshmy S., Sanyal G., Vaidyanathan A., Joseph S., Kalarikkal N., Chakraborty B.	Physical Sciences	Applied Surface Science	2021	204	5
γ-Fe2O3 nanoflowers as efficient magnetic hyperthermia and photothermal agent	Shaw S.K., Kailashiya J., Gangwar A., Alla S.K., Gupta S.K., Prajapat C.L., Meena S.	Chemical Sciences;Physical Scien	Applied Surface Science	2021	204	14
Nitrobenzene sensing in pristine and metal doped 2D dichalcogenide MoS2: Insights from density functional theory investigations	Vaidyanathan A., Lakshmy S., Sanyal G., Joseph S., Kalarikkal N., Chakraborty B.	Physical Sciences	Applied Surface Science	2021	204	5
Highly sensitive and selective H2S gas sensor based on TiO2 thin films	Nagmani, Pravarthana D., Tyagi A., Jagadale T.C., Prellier W., Aswal D.K.	Chemical Sciences	Applied Surface Science	2021	204	29
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., Senthilkumar K., Sowm	Physical Sciences	Applied Surface Science	2021	204	4
Atomically precise noble metal clusters (Ag10, Au10, Pd10 and Pt10) on alumina support: A comprehensive DFT study for oxidative catalysis	Nigam S., Majumder C.	Chemical Sciences	Applied Surface Science	2021	204	1
Unique magnetic properties of Nd based cuprate francisite: Major enhancement upon Co doping	Kanthal S., Manna P., Ahmed M.A., Banerjee A., Adhikary S., Kanungo S., Yadav A	Physical Sciences	Applied Surface Science	2021	204	0
SERS based detection of Dichlorvos pesticide using silver nanoparticles arrays: Influence of array wavelength/amplitude	Augustine S., Sooraj K.P., Pachchigar V., Murali Krishna C., Ranjan M.	Life Sciences;Physical Sciences	Applied Surface Science	2021	204	7
Non-destructive elemental depth profiling of Ni/Ti multilayers by GIXRF technique	Biswas A., Abharana N., Jha S.N., Bhattacharyya D.	Physical Sciences	Applied Surface Science	2021	204	2
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 K.G., Jagannath	Engineering Sciences;Physical Sci	Applied Surface Science	2021	204	0
Bifunctional WO3 microrods decorated RGO composite as catechol sensor and optical limiter	Ponnusamy R., Venkatesan R., Samal R., Kandasamy M., Gandhiraj V., Chakrabo	Physical Sciences	Applied Surface Science	2021	204	6
Photochromic response of the PLD-grown nanostructured MoO3 thin films	Dixit D., Ramachandran B., Chitra M., Madhuri K.V., Mangamma G.	Physical Sciences	Applied Surface Science	2021	204	3
Engineering the edge-terminations and defect-density to enhance the electrochemical capacitance performance of vertical graphene nanosheets	Polaki S.R., Sahoo G., Anees P., Krishna N.G., Kamruddin M., Dhara S.	Physical Sciences	Applied Surface Science	2021	204	6
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 ele	Kishan Singh C., Amaladass E.P., Parida P.K., Sain T., Ilango S., Dhara S.	Physical Sciences	Applied Surface Science	2021	204	3
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 A.	Physical Sciences	Applied Surface Science	2021	204	8
Carrier selective MoOx/Si heterojunctions: Role of thickness	Singh R., Sivakumar R., Kumar Srivastava S., Som T.	Physical Sciences	Applied Surface Science	2021	204	0
White light modulated forming-free multilevel resistive switching in ZnO:Cu films	Saini M., Kumar M., Mandal R., Mitra A., Som T.	Physical Sciences	Applied Surface Science	2021	204	2
Nitrogen vacancy and hydrogen substitution mediated tunable optoelectronic properties of g-C3N4 2D layered structures: Applications towards blue LED to broad-band p	Ghosh A., Saini H., Sarkar A., Guha P., Samantara A.K., Thapa R., Mandal S., Man	Chemical Sciences	Applied Surface Science	2021	204	3
Elucidating the interfacial nucleation of higher-index defect facets in technologically important GaP/Si(0 0 1) by azimuthal angle-resolved polarized Raman spectroscopy	Aggarwal R., Ingale A.A., Dixit V.K.	Physical Sciences	Applied Surface Science	2021	204	0
Probing interband and intraband transitions in magneto-optical FeT (T = Cr, Co, Ni) alloys from electronic structure studies	Banik S., Samina P.I., Rao P.N., Srivastava H., Sagdeo A.	Physical Sciences	Applied Surface Science	2021	204	1
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	204	11
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.D., Mukhopadhyay M.K.	Physical Sciences	Applied Surface Science	2021	204	8
Nano pyramid array on Si by concurrent growth of parallel and perpendicular spatial wave and local angle-dependent sputtering	Karmakar P.	Physical Sciences	Applied Surface Science	2021	204	3
Electrochemical properties of brownmillerite structured KBiFe2O5	Vavilapalli D.S., Peri R.G., Banik S., Muthuraaman B., Rao M.S.R., Singh S.	Physical Sciences	Applied Surface Science Advances	2021	7	1
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	7	2
Interface-driven magnetic anisotropy of epitaxial Fe4N thin films	Seema, Gupta P., Kumar D., Reddy V.R., Gupta M.	Physical Sciences	Applied Surface Science Advances	2021	7	1
Functional and mechanistic insights into the differential effect of the toxicant 'Se(IV)' in the cyanobacterium Anabaena PCC 7120	Banerjee M., Kalwani P., Chakravarty D., Singh B., Ballal A.	Life Sciences	Aquatic Toxicology	2021	150	1
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	58	3
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	58	0
Class number one problem for the real quadratic fields Q(√m2+2r)	Hoque A., Kotyada S.	Mathematical Sciences	Archiv der Mathematik	2021	41	1
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., Sharma D., Sandur S.K.	Life Sciences	Archives of Biochemistry and Biophysics	2021	177	4
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., Jain S.K.	Chemical Sciences	Archives of Environmental Contamination and Toxicology	2021	115	7
Occurrence of Heavy Metals in Groundwater Along the Lithological Interface of K/T Boundary, Peninsular India: A Special Focus on Source, Geochemical Mobility and Hea	Chandrasekar T., Keesari T., Gopalakrishnan G., Karuppannan S., Senapathi V., Sa	Chemical Sciences	Archives of Environmental Contamination and Toxicology	2021	115	9
Ciprofloxacin induced antibiotic resistance in Salmonella Typhimurium mutants and genome analysis	Kakatkar A.S., Das A., Shashidhar R.	Life Sciences	Archives of Microbiology	2021	107	1
Inhibition of transient receptor potential vanilloid 1 (TRPV1) channel regulates chikungunya virus infection in macrophages	Sanjai Kumar P., Nayak T.K., Mahish C., Sahoo S.S., Radhakrishnan A., De S., Date	Life Sciences	Archives of Virology	2021	117	5
Iodine-based reagents in photoredox-organocatalysis	Bose A., Mal P.	Chemical Sciences	Arkivoc	2021	64	1
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 A.V.	Engineering Sciences	Asian Journal of Chemistry	2021	38	0
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	48	2
Preparing For The Next Pandemic: An Asian National Cancer Centers Alliance (Ancca) Initiative	Gatellier L., Ong S.K., Matsuda T., Ramlee N., Lau F.N., Yusak S., Nindito D.H.R.S.'	Medical and Health Sciences	Asian Pacific Journal of Cancer Prevention	2021	80	0
Evaluating the Performance of Hybrid Capture 2 Test as a Primary Screening Test from Studies Conducted in Low and Middle-Income Country Settings-Special Focus India	Anand K.V., Pimple S.A., Bhattacharjee A., Mishra G.A., Shastri S.S.	Medical and Health Sciences	Asian Pacific Journal of Cancer Prevention	2021	80	0
The Impact of COVID-19 on Cancer Care in the Post Pandemic World: Five Major Lessons Learnt from Challenges and Countermeasures of Major Asian Cancer Centres	Gatellier L., Shankar A., Dewi L.K.M., Hussain Q.M., Wangdi T.D., Sukumaran D.B	Medical and Health Sciences	Asian Pacific Journal of Cancer Prevention	2021	80	4
Economic Distress of Breast Cancer Patients Seeking Treatment at a Tertiary Cancer Center in Mumbai during COVID-19 Pandemic: A Cohort Study	Wadasadawala T., Sen S., Watekar R., Rane P., Sarin R., Gupta S., Parmar V., Kan	Medical and Health Sciences	Asian Pacific Journal of Cancer Prevention	2021	80	1
Addition of short course radiotherapy in newly diagnosed locally advanced rectal cancers with distant metastasis	Jain S., Engineer R., Ostwal V., Ramaswamy A., Chopra S., Desouza A., Lewis S., A	Medical and Health Sciences	Asia-Pacific Journal of Clinical Oncology	2021	32	2
Simulated X-ray emission in galaxy clusters with feedback from active galactic nuclei	Kar Chowdhury R., Roy S., Chatterjee S., Khandai N., Sarazin C.L., Di Matteo T.	Physical Sciences	Astronomische Nachrichten	2021	58	0
High precision measurements of interstellar dispersion measure with the upgraded GMRT	Krishnakumar M.A., Manoharan P.K., Joshi B.C., Girgaonkar R., Desai S., Bagchi M	Physical Sciences	Astronomy and Astrophysics	2021	305	3
Tracing the magnetic field morphology of the LDN 1172/1174 cloud complex	Saha P., Gopinathan M., Sharma E., Won Lee C., Ghosh T., Kim S.	Physical Sciences	Astronomy and Astrophysics	2021	305	1
An unbiased NOEMA 2.6 to 4 mm survey of the GG Tau ring: First detection of CCS in a protoplanetary disk	Phuong N.T., Dutrey A., Chapillon E., Guilloteau S., Bary J., Beck T.L., Coutens A.,	Physical Sciences	Astronomy and Astrophysics	2021	305	0
Evolutionary view through the starless cores in Taurus: Deuteration in TMC 1-C and TMC 1-CP	Navarro-Almaida D., Fuente A., Majumdar L., Wakelam V., Caselli P., RiviÃ¨re-Ma	Physical Sciences	Astronomy and Astrophysics	2021	305	2
Chemical compositions of five Planck cold clumps	Wakelam V., Gratier P., Ruaud M., Le Gal R., Majumdar L., Loison J.-C., Hickson K	Physical Sciences	Astronomy and Astrophysics	2021	305	1
Dust moments: Towards a new modeling of the galactic dust emission for CMB B -modes analysis	Mangilli A., Aumont J., Rotti A., Boulanger F., Chluba J., Ghosh T., Montier L.	Physical Sciences	Astronomy and Astrophysics	2021	305	8
Possibility of concentration of nonvolatile species near the surface of comet 67P/Churyumov-Gerasimenko	Suzuki T., Shinnaka Y., Majumdar L., Shibata T., Shibaike Y., Nomura H., Minamo	Physical Sciences	Astronomy and Astrophysics	2021	305	0
Investigation of the correlation patterns and the Compton dominance variability of Mrk 421 in 2017	Acciari V.A., Ansoldi S., Antonelli L.A., Arbet Engels A., Artero M., Asano K., Babi	Physical Sciences	Astronomy and Astrophysics	2021	305	4
Multiwavelength analysis and modeling of OJ 287 during 2017-2020	Prince R., Agarwal A., Gupta N., Majumdar P., Czerny B., Cellone S.A., Andruchov	Physical Sciences	Astronomy and Astrophysics	2021	305	2
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., Angüner E.O., Arcaro C., Arma	Physical Sciences	Astronomy and Astrophysics	2021	305	3
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., Artero M., Asano K., Baac	Physical Sciences	Astronomy and Astrophysics	2021	305	5
Gaussian Process Reconstruction of Reionization History	Krishak A., Hazra D.K.	Physical Sciences	Astrophysical Journal	2021	445	2
Heavy Magnetic Neutron Stars	Rather I.A., Rahaman U., Dexheimer V., Usmani A.A., Patra S.K.	Physical Sciences	Astrophysical Journal	2021	445	8
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 K., Adams A., Adams C.,	Engineering Sciences;Physical Sci	Astrophysical Journal	2021	445	3
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 K., Adams A., Adams C.,	Engineering Sciences;Physical Sci	Astrophysical Journal	2021	445	4
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 K., Adams A., Adams C.,	Engineering Sciences;Physical Sci	Astrophysical Journal	2021	445	9
Search for Gravitational Waves Associated with Gamma-Ray Bursts Detected by Fermi and Swift during the LIGO-Virgo Run O3a	Abbott R., Abbott T.D., Abraham S., Acernese F., Ackley K., Adams C., Adhikari R	Engineering Sciences;Physical Sci	Astrophysical Journal	2021	445	8
A Gravitational-wave Measurement of the Hubble Constant following the Second Observing Run of Advanced LIGO and Virgo	Abbott B.P., Abbott R., Abbott T.D., Abraham S., Acernese F., Ackley K., Adams C	Engineering Sciences;Physical Sci	Astrophysical Journal	2021	445	56
Chemical Compositions in the Vicinity of Protostars in Ophiuchus	Taniguchi K., Majumdar L., Plunkett A., Takakuwa S., Lis D.C., Goldsmith P.F., Nal	Physical Sciences	Astrophysical Journal	2021	445	0
Probing Polarization and the Role of Magnetic Fields in Cloud Destruction in the Keyhole Nebula	Seo Y.M., Dowell C.D., Goldsmith P.F., Pineda J.L., Majumdar L.	Physical Sciences	Astrophysical Journal	2021	445	0
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., Lis D.C., Goldsmith P.F., Herbs	Physical Sciences	Astrophysical Journal	2021	445	4
A New Method for Simulating Photoprocesses in Astrochemical Models	Mullikin E., Anderson H., O'Hern N., Farrah M., Arumainayagam C.R., Van Dishoe	Physical Sciences	Astrophysical Journal	2021	445	1
Carbon chain chemistry in hot-core regions around three massive young stellar objects associated with 6.7GHz methanol masers	Taniguchi K., Herbst E., Majumdar L., Caselli P., Tan J.C., Li Z.-Y., Shimoikura T., D	Physical Sciences	Astrophysical Journal	2021	445	1
Observation of the Gamma-Ray Binary HESS J0632+057 with the H.E.S.S., MAGIC, and VERITAS Telescopes	Adams C.B., Benbow W., Brill A., Buckley J.H., Capasso M., Chromey A.J., Errand	Physical Sciences	Astrophysical Journal	2021	445	2
Search for Very High-energy Emission from the Millisecond Pulsar PSR J0218+4232	Acciari V.A., Ansoldi S., Antonelli L.A., Arbet Engels A., Artero M., Asano K., Baac	Physical Sciences	Astrophysical Journal	2021	445	0
MAGIC Observations of the Nearby Short Gamma-Ray Burst GRB 160821B	Acciari V.A., Ansoldi S., Antonelli L.A., Arbet Engels A., Asano K., Baack D., Babić	Physical Sciences	Astrophysical Journal	2021	445	17
Observation of Gravitational Waves from Two Neutron Star-Black Hole Coalescences	Abbott R., Abbott T.D., Abraham S., Acernese F., Ackley K., Adams A., Adams C.,	Engineering Sciences;Physical Sci	Astrophysical Journal Letters	2021	172	177
Diving below the Spin-down Limit: Constraints on Gravitational Waves from the Energetic Young Pulsar PSR J0537-6910	Abbott R., Abbott T.D., Abraham S., Acernese F., Ackley K., Adams A., Adams C.,	Engineering Sciences;Physical Sci	Astrophysical Journal Letters	2021	172	12
Population properties of compact objects from the second LIGO-Virgo gravitational-wave transient catalog	Abbott R., Abbott T.D., Abraham S., Acernese F., Ackley K., Adams A., Adams C.,	Engineering Sciences;Physical Sci	Astrophysical Journal Letters	2021	172	221
Detectable abundance of cyanoacetylene (hc3n) predicted on reduced nitrogen-rich super-earth atmospheres	Rimmer P.B., Majumdar L., Priyadarshi A., Wright S., Yurchenko S.N.	Physical Sciences	Astrophysical Journal Letters	2021	172	0
Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign	Algaba J.C., Anczarski J., Asada K., Baloković M., Chandra S., Cui Y.-Z., Falcone A.	Physical Sciences	Astrophysical Journal Letters	2021	172	12
How to distinguish an actual astrophysical magnetized black hole mimicker from a true (theoretical) black hole	Mitra A., Corda C., Mosquera Cuesta H.J.	Physical Sciences	Astrophysics and Space Science	2021	72	0
Dynamical study of nonlinear ion acoustic waves in presence of charged space debris at Low Earth Orbital (LEO) plasma region	Mukherjee A., Acharya S.P., Janaki M.S.	Physical Sciences	Astrophysics and Space Science	2021	72	4
Light absorption enhancement due to mixing in black carbon and organic carbon generated during biomass burning	Rathod T.D., Sahu S.K., Tiwari M., Bhangare R.C., Ajmal P.Y.	Physical Sciences	Atmospheric Pollution Research	2021	52	2
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., Attada R., Langodan S.	Physical Sciences	Atmospheric Research	2021	114	4
Leaching of gallium from coal fly ash, alumina and sediment samples with an acid mixture for its determination by icp-oes	Sahayam A.C., Venkateswarlu G., Thangavel S.	Chemical Sciences	Atomic Spectroscopy	2021	31	1
Stereomutation in tetracoordinate centers via stabilization of planar tetracoordinated systems	Yadav K., Lourderaj U., Priyakumar U.D.	Chemical Sciences	Atoms	2021	19	2
Reassessing the mechanism of genome packaging in plant viruses with lessons from ATPase fold	Ranjan T., Pal A.K., Prasad B.D., Kumar R.R., Kumar M., Shamim M., Jambhulkar	Life Sciences	Australasian Plant Pathology	2021	57	1
Partial isometries in an absolute order unit space	Karn A.K., Kumar A.	Mathematical Sciences	Banach Journal of Mathematical Analysis	2021	24	1
Zirconium-Doped Vanadium Oxide and Ammonium Linked Layered Cathode to Construct a Full-Cell Magnesium-Ion Battery: A Realization and Structural, Electrochemica	Muthuraj D., Sarkar A., Panda M.R., Adil M., Sagdeo A., Mitra S.	Physical Sciences	Batteries and Supercaps	2021	22	3
Synthesis of 1-indolyl-3,5,8-substituted Î³-carbolines: one-pot solvent-free protocol and biological evaluation	Dudhe P., Krishnan M.A., Yadav K., Roy D., Venkatasubbaiah K., Pathak B., Chelv	Chemical Sciences	Beilstein Journal of Organic Chemistry	2021	70	0
Improved protocol for plasma microrna extraction and comparison of commercial kits	Sriram H., Khanka T., Kedia S., Tyagi P., Ghogale S., Deshpande N., Chatterjee G.,	Life Sciences;Medical and Health	Biochemia Medica	2021	46	2
PSMD9 ribosomal protein network maintains nucleolar architecture and WT p53 levels	Ud Din Farooqee S.B., Christie J., Venkatraman P.	Life Sciences	Biochemical and Biophysical Research Communications	2021	271	0
Crystal structure of clinically reported mutations Gly656Arg, Gly656Glu and Asp751His identified in the kinase domain of EphA7	Chakraborty S., Varma A.K.	Medical and Health Sciences	Biochemical and Biophysical Research Communications	2021	271	1
Effectiveness of dual-detergent strategy using Triton X-100 in membrane protein purification	Das A., Bysack A., Raghuraman H.	Life Sciences	Biochemical and Biophysical Research Communications	2021	271	2
Elucidating the role of GRIM-19 as a substrate and allosteric activator of pro-apoptotic serine protease HtrA2	Kummari R., Dutta S., Patil S., Mudrale S.P., Bose K.	Life Sciences	Biochemical Journal	2021	273	1
A nexus of miR-1271, PAX4 and ALK/RYK influences the cytoskeletal architectures in Alzheimer's Disease and Type 2 Diabetes	Majumder P., Chanda K., Das D., Singh B.K., Chakrabarti P., Jana N.R., Mukhopad	Life Sciences	Biochemical Journal	2021	273	2
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	273	1
Pharmacological targeting of differential DNA repair, radio-sensitizes WRN-deficient cancer cells in vitro and in vivo	Gupta P., Saha B., Chattopadhyay S., Patro B.S.	Life Sciences	Biochemical Pharmacology	2021	206	7
The Redox-Active Conopeptide Derived from the Venom Duct Transcriptome of Conus lividus Assists in the Oxidative Folding of Conotoxin	Dolle A., Vijayasarathy M., Shekh S., Hunashal Y., Reddy K.K.A., Prakash S., Rana	Chemical Sciences	Biochemistry	2021	260	0
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., Venkatraman P.	Life Sciences	Biochemistry and Biophysics Reports	2021	28	3
Thermodynamics and structure of model bio-membrane of liver lipids in presence of imidazolium-based ionic liquids	Mitra S., Sharma V.K., Mitra J.B., Chowdhury S., Mukhopadhyay M.K., Mukhopad	Physical Sciences	Biochimica et Biophysica Acta - Biomembranes	2021	190	1
Discerning perturbed assembly of lipids in a model membrane in presence of violacein	Gupta R., Mitra S., Chowdhury S., Das G., Priyadarshini R., Mukhopadhyay M.K.,	Physical Sciences	Biochimica et Biophysica Acta - Biomembranes	2021	190	2
Conformational heterogeneity of the voltage sensor loop of KvAP in micelles and membranes: A fluorescence approach	Das A., Raghuraman H.	Life Sciences	Biochimica et Biophysica Acta - Biomembranes	2021	190	4
Tumor-specific overexpression of histone gene, H3C14 in gastric cancer is mediated through EGFR-FOXC1 axis	Rashid M., Shah S.G., Verma T., Chaudhary N., Rauniyar S., Patel V.B., Gera P.B.,	Life Sciences;Medical and Health	Biochimica et Biophysica Acta - Gene Regulatory Mechanis	2021	131	5
3,3′-Diselenodipropionic acid (DSePA): A redox active multifunctional molecule of biological relevance	Kunwar A., Priyadarsini K.I., Jain V.K.	Chemical Sciences	Biochimica et Biophysica Acta - General Subjects	2021	167	6
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 R.D., Mishra A., Kumar A	Life Sciences	Biochimie	2021	141	7
Membrane damage precedes DNA damage in hydroxychavicol treated E. coli cells and facilitates cooperativity with hydrophobic antibiotics	Singh D., Majumdar A.G., Gamre S., Subramanian M.	Mathematical Sciences	Biochimie	2021	141	1
Recent Breakthrough in 68Ga-Radiopharmaceuticals Cold Kits for Convenient PET Radiopharmacy	Satpati D.	Chemical Sciences	Bioconjugate Chemistry	2021	177	6
Assessment of biogrowth assemblages with depth in a seawater intake system of a coastal power station	Subba Rao T., Murthy P.S., Veeramani P., Narayanan D.S., Ramesh R., Jyothi B.N	Life Sciences	Biofouling	2021	92	1
Seed 'primeomics': plants memorize their germination under stress	Srivastava A.K., Suresh Kumar J., Suprasanna P.	Life Sciences	Biological Reviews	2021	174	16
Mitochondrial protein import as a quality control sensor	Maity S., Chakrabarti O.	Life Sciences	Biology of the Cell	2021	88	2
ECM stiffness-tuned exosomes drive breast cancer motility through thrombospondin-1	Patwardhan S., Mahadik P., Shetty O., Sen S.	Medical and Health Sciences	Biomaterials	2021	397	8
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-Hous	Guleria M., Amirdhanayagam J., Sarma H.D., Rallapeta R.P., Krishnamohan V.S.,	Chemical Sciences	BioMed Research International	2021	147	0
Pterocarpus santalinus L. extract mitigates gamma radiation-inflicted derangements in BALB/c mice by Nrf2 upregulation	Hanuma Kumar G.E.N., Kumar S.S., Balaji M., Maurya D.K., Kesavulu M.	Life Sciences	Biomedicine and Pharmacotherapy	2021	109	3
The 2â€²-caged-tethered-siRNA shows light-dependent temporal controlled RNAi activity for GFP gene into HEK293T cells	Bollu A., Hassan M.K., Dixit M., Sharma N.K.	Chemical Sciences;Life Sciences	Bioorganic and Medicinal Chemistry	2021	171	2
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	154	0
Oxygen vacancy assisted condensation of DNA molecule observed on ZnO thin film	Pal C., Varma S., Majumder S.	Physical Sciences	Biophysical Chemistry	2021	100	0
Effects of free soluble iron on thermal aggregation of hemoglobin	Debnath S., Chakrabarti A.	Life Sciences	Biophysical Chemistry	2021	100	0
Biogenic silver nanoparticles as an antibacterial agent against bacterial leaf blight causing rice phytopathogen Xanthomonas oryzae pv. oryzae	Namburi K.R., Kora A.J., Chetukuri A., Kota V.S.M.K.	Life Sciences	Bioprocess and Biosystems Engineering	2021	73	1
Label-free rapid electrochemical detection of DNA hybridization using ultrasensitive standalone CNT aerogel biosensor	Prakash J., Dey A., Uppal S., Alexander R., Kaushal A., Misra H.S., Dasgupta K.	Engineering Sciences;Life Science	Biosensors and Bioelectronics	2021	205	4
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	57	8
Minimally invasive versus open pelvic exenterations for rectal cancer: a comparative analysis of perioperative and 3-year oncological outcomes	Kazi M., Kumar N.A.N., Rohila J., Sukumar V., Engineer R., Ankathi S., Desouza A.	Medical and Health Sciences	BJS open	2021	17	4
Bortezomib and rituximab in de novo adolescent/adult CD20-positive, Ph-negative pre-B-cell acute lymphoblastic leukemia	Jain H., Sengar M., Goli V.B., Thorat J., Tembhare P., Shetty D., Bonda V.N.A., Na	Medical and Health Sciences	Blood Advances	2021	52	1
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 P., Shetty D., Thorat J., Ja	Medical and Health Sciences	Blood Advances	2021	52	7
Mannose-binding lectin-associated serine protease-1 cleaves plasminogen and plasma fibronectin: prefers plasminogen over known fibrinogen substrate	Choudhary K., Patel P.K., Are V.N., Makde R.D., Hajela K.	Life Sciences	Blood coagulation & fibrinolysis : an international journal i	2021	72	0
IPD 2.0: To derive insights from an evolving SARS-CoV-2 genome	Desai S., Rane A., Joshi A., Dutt A.	Life Sciences;Medical and Health	BMC Bioinformatics	2021	218	1
Critically ill patients with diabetes and Middle East respiratory syndrome: a multi-center observational study	Jose J., Al-Dorzi H.M., Al-Omari A., Mandourah Y., Al-Hameed F., Sadat M., Al Qa	Medical and Health Sciences	BMC Infectious Diseases	2021	112	2
Checkpoint inhibitors and radiotherapy in refractory malignant melanocytic schwannoma with Carney complex: First evidence of efficacy	Bajpai J., Kapoor A., Jalali R., Gounder M.M.	Medical and Health Sciences	BMJ Case Reports	2021	31	1
Life or limb: An international qualitative study on decision making in sarcoma surgery during the COVID-19 pandemic	Bunzli S., O'Brien P., Aston W., Ayerza M.A., Chan L., Cherix S., De Las Heras J., D	Medical and Health Sciences	BMJ Open	2021	121	0
Development of National Cancer Database for Cost and Quality of Life (CaDCQoL) in India: A protocol	Prinja S., Dixit J., Gupta N., Mehra N., Singh A., Krishnamurthy M.N., Gupta D., R	Medical and Health Sciences	BMJ Open	2021	121	3
Cancer Aging Research Group (CARG) score in older adults undergoing curative intent chemotherapy: a prospective cohort study	Ostwal V., Ramaswamy A., Bhargava P., Hatkhambkar T., Swami R., Rastogi S., N	Life Sciences;Medical and Health	BMJ Open	2021	121	4
Clinical course and outcome of patients with COVID-19 in Mumbai City: An observational study	De Souza R., Mhatre S., Qayyumi B., Chitkara G., Madke T., Joshi M., Bharmal R.,	Medical and Health Sciences	BMJ Open	2021	121	5
Increasing breast cancer awareness and breast examination practices among women through health education and capacity building of primary healthcare providers: A p	Prusty R.K., Begum S., Patil A., Naik D.D., Pimple S., Mishra G.	Medical and Health Sciences	BMJ Open	2021	121	2
Standard maintenance therapy versus local consolidative radiation therapy and standard maintenance therapy in 1-5 sites of oligometastatic non-small cell lung cancer: A	Tibdewal A., Agarwal J.P., Srinivasan S., Mummudi N., Noronha V., Prabhash K., I	Medical and Health Sciences	BMJ Open	2021	121	1
Protocol for a phase II randomised controlled trial of TKI alone versus TKI and local consolidative radiation therapy in patients with oncogene driver-mutated oligometast	Tibdewal A., Agarwal J., Mummudi N., Noronha V., Prabhash K., Patil V., Puranda	Medical and Health Sciences	BMJ Open	2021	121	1
Pre-transplant use of tyrosine kinase inhibitors and transplant associated thrombotic microangiopathy - a single centre analysis of incidence, risk factors and outcomes	Punatar S., Kalantri S.A., Chichra A., Agrawal A.K., Nayak L., Bonda A., Gokarn A.,	Medical and Health Sciences	Bone Marrow Transplantation	2021	132	0
Overview of Cold Stress Regulation in Plants	Manasa S L., Panigrahy M., Panigrahi K.C.S., Rout G.R.	Life Sciences	Botanical Review	2021	71	2
Low-Dose-Rate versus High-Dose-Rate intracavitary brachytherapy in cervical cancer - Final Results of a Phase III randomized trial	Mahantshetty U., Lewis S., Engineer R., Swamidas J., Chopra S., Gurram L., Kinhil	Medical and Health Sciences	Brachytherapy	2021	51	2
Complications of intracavitary brachytherapy for gynecologic cancers and their management: A comprehensive review	Glaser S.M., Mohindra P., Mahantshetty U., Beriwal S.	Medical and Health Sciences	Brachytherapy	2021	51	1
Reporting of dose–volume specifications for "Martinez Universal Perineal Interstitial Template–based interstitial high-dose-rate brachytherapy for gynecological cancers"	Sood S., Gurram L., Aravindakshan D., Paul J., Chopra S., Swamidas J., Patil A., M	Medical and Health Sciences	Brachytherapy	2021	51	0
What is the dosimetric impact of isotropic vs anisotropic safety margins for delineation of the clinical target volume in breast brachytherapy?	Kumar A., Wadasadawala T., Joshi K., Pathak R., Scaria L., Upreti R.R., Bhajbhuje	Life Sciences;Medical and Health	Brachytherapy	2021	51	0
Cocaine- and amphetamine-regulated transcript peptide- and dopamine-containing systems interact in the ventral tegmental area of the zebra finch, Taeniopygia guttata	Mitra S., Basu S., Singh O., Lechan R.M., Singru P.S.	Life Sciences	Brain Structure and Function	2021	101	1
The proteomic analysis shows enrichment of RNA surveillance pathways in adult SHH and extensive metabolic reprogramming in Group 3 medulloblastomas	Kp M., Kumar A., Biswas D., Moiyadi A., Shetty P., Gupta T., Epari S., Shirsat N., S	Medical and Health Sciences	Brain Tumor Pathology	2021	40	5
Inkk Trial – Intraoperative ketamine for perioperative pain management following total knee endoprosthetic replacement in oncology: a double-blinded randomized trial	Paulin V.S., Bakshi S.G., Hegde P.C., Rathod A., Gulia A., Kulkarni A.M., Paramana	Medical and Health Sciences	Brazilian Journal of Anesthesiology (English Edition)	2021	5	0
Effect of Hydrothermal Reaction Time on Structural, Optical, and Catalytic Properties of Tin Oxide Nanoparticles	Preethi T., Senthil K., Ashokan S., Balakrishnaraja R., Sundaravel B.	Physical Sciences	Brazilian Journal of Physics	2021	49	0
Unique challenges and outcomes of young women with breast cancers from a tertiary care cancer centre in India	Bajpai J., Ventrapati P., Joshi S., Wadasadawala T., Rath S., Pathak R., Nandhana	Life Sciences;Medical and Health	Breast	2021	85	4
Fixed dose combination of capecitabine and cyclophosphamide in metastatic breast cancer: Results from THE ENCLOSE phase 2/3 randomized multicenter study	Gupta S., Biswas G., Babu S., Maksud T.M., Lakshmaiah K.C., Patel J.G., Raja G., I	Medical and Health Sciences	Breast	2021	85	0
Pregnancy associated breast cancer (PABC): Report from a gestational cancer registry from a tertiary cancer care centre, India	Bajpai J., Simha V., Shylasree T.S., Sarin R., Pathak R., Popat P., Mokal S., Dandek	Medical and Health Sciences	Breast	2021	85	4
Genetic ablation of pregnancy zone protein promotes breast cancer progression by activating TGF-β/SMAD signaling	Kumar R., Kuligina E., Sokolenko A., Siddiqui Q., Gardi N., Gupta S., Varma A.K., H	Life Sciences	Breast Cancer Research and Treatment	2021	160	1
Controversies in airway management of COVID-19 patients: updated information and international expert consensus recommendations	Wei H., Jiang B., Behringer E.C., Hofmeyr R., Myatra S.N., Wong D.T., Sullivan E.P	Medical and Health Sciences	British Journal of Anaesthesia	2021	189	20

Targeting autophagy reverses de novo resistance in homologous recombination repair proficient breast cancers to PARP inhibition	Pai Bellare G., Saha B., Patro B.S.	Life Sciences	British Journal of Cancer	2021	248	6
Elevated USP9X drives early-to-late-stage oral tumorigenesis via stabilisation of anti-apoptotic MCL-1 protein and impacts outcome in oral cancers	Sulkshane P., Pawar S.N., Waghole R., Pawar S.S., Rajput P., Uthale A., Oak S., Ka	Life Sciences;Medical and Health	British Journal of Cancer	2021	248	2
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	68	0
Surgical management of cerebellopontine angle epidermoid cysts: an institutional experience of 10 years	Vernon V., Naik H., Guha A.	Medical and Health Sciences	British Journal of Neurosurgery	2021	68	2
“Prevalence of chronic pain following resection of pelvic bone tumours: A single centre prospective observational survey”	Bakshi S., Rana M., Gulia A., Puri A., Harsha T.S.S., Tiwari S., Gotur A.	Medical and Health Sciences	British Journal of Pain	2021	19	0
Dysregulation of mitophagy and mitochondrial homeostasis in cancer stem cells: Novel mechanism for anti-cancer stem cell-targeted cancer therapy	Praharaj P.P., Patro B.S., Bhutia S.K.	Life Sciences	British Journal of Pharmacology	2021	223	3
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	110	0
Long-term outcome of indigenous 177Lu-dotatate prrt in patients with metastatic advanced neuroendocrine tumours: A single institutional observation in a large tertiary	Sitani K., Parghane R.V., Talole S., Basu S.	Medical and Health Sciences	British Journal of Radiology	2021	110	5
Counting planar curves in P3 with degenerate singularities	Das N., Mukherjee R.	Mathematical Sciences	Bulletin des Sciences Mathematiques	2021	35	0
Assessment of hysteretic damping in reinforced concrete structures using local hinge characteristics	Shekhar N.K., Parulekar Y.M., Nagender T., Chattopadhyay J.	Engineering Sciences	Bulletin of Earthquake Engineering	2021	73	2
Numerical prediction of undrained cyclic triaxial experiments on saturated Kasai river sand using two constitutive models of liquefaction	Banerjee R., Chattaraj R., Parulekar Y.M., Sengupta A.	Engineering Sciences	Bulletin of Engineering Geology and the Environment	2021	68	0
Structural, optical and thermo-physical characterizations of co-doped Pr3+ and Nd3+ ions on BaCO3–H3BO3 glasses for microelectronic applications	Vinothkumar P., Dhavamurthy M., Mohapatra M., Murugasen P.	Chemical Sciences	Bulletin of Materials Science	2021	76	0
Kinetics of thermal degradation of intumescent flame-retardant spirophosphates	Mathan N.D., Ponraju D., Vijayakumar C.T.	Chemical Sciences	Bulletin of Materials Science	2021	76	3
XTEM study of low-energy ion-beam synthesized Ge nanoclusters inside SiOx matrix	Gundanna S.K., Guha P., Sundaravel B., Bhatta U.M.	Physical Sciences	Bulletin of Materials Science	2021	76	0
Food safety and methods to ensure food security in the face of climate change	Tripathi J., Variyar P.S.	Life Sciences	CAB Reviews: Perspectives in Agriculture, Veterinary Scien	2021	34	0
Study of blood flow in stenosed artery model using computational fluid dynamics and response surface methodology	Dwidmuthe P.D., Dastane G.G., Mathpati C.S., Joshi J.B.	Engineering Sciences	Canadian Journal of Chemical Engineering	2021	71	1
Further contributions to the dynamics of a freely rotating elliptical particle in shear flow	Ding Z., Tiwari S.S., Zhang C., Tyagi M., Kong B., Nandakumar K., Joshi J.B.	Engineering Sciences	Canadian Journal of Chemical Engineering	2021	71	1
Derivation of general relativistic gravitational potential energy using principle of equivalence and gravitational time dilation	Dikshit B.	Engineering Sciences	Canadian Journal of Physics	2021	57	0
Exploring the a-decay chain of302122 within relativistic mean-field formalism	Panigrahi M., Panda R.N., Bhuyan M., Patra S.K.	Physical Sciences	Canadian Journal of Physics	2021	57	0
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	57	0
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., Rakshit S., Gaikwad S., Bas	Medical and Health Sciences	Cancer Biotherapy and Radiopharmaceuticals	2021	63	1
On the Separation of Yttrium-90 from High-Level Liquid Waste: Purification to Clinical-Grade Radiochemical Precursor, Clinical Translation in Formulation of 90Y-DOTATA	Mitra A., Chakraborty A., Gaikwad S., Tawate M., Upadhye T., Lad S., Sahoo S., Ja	Medical and Health Sciences	Cancer Biotherapy and Radiopharmaceuticals	2021	63	2
Symposium report: breast cancer in India—trends, environmental exposures and clinical implications	McDonald J.A., Rao R., Gibbons M., Janardhanan R., Jaswal S., Mehrotra R., Pan	Life Sciences	Cancer Causes and Control	2021	138	1
Trends in breast and cervical cancer in India under National Cancer Registry Programme: An Age-Period-Cohort analysis	Sathishkumar K., N V., Badwe R.A., Deo S.V.S., Manoharan N., Malik R., Panse N.	Medical and Health Sciences	Cancer Epidemiology	2021	79	0
The role of gallstones in gallbladder cancer in India: A mendelian randomization study	Mhatre S., Richmond R.C., Chatterjee N., Rajaraman P., Wang Z., Zhang H., Badw	Medical and Health Sciences	Cancer Epidemiology Biomarkers and Prevention	2021	198	4
Importance of conventional cytogenetics in the identification of ins(19;X)(q13.1;p11.2q28) and t(1;11)(q10;p10), both, novel cytogenetic abnormalities in a pediatric AM	Shetty D., Mohanty P., Talker E., Jain H., Chaubal K., Tembhare P., Patkar N., Sub	Medical and Health Sciences	Cancer Genetics	2021	46	0
A novel case of intrachromosomal amplification and insertion of RUNX1 on derivative chromosome 2 in pediatric AML	Jain H., Shetty D., Roy Moulik N., Narula G., Subramanian P.G., Banavali S.	Medical and Health Sciences	Cancer Genetics	2021	46	1
Clinical characteristics, laboratory parameters and outcomes of COVID-19 in cancer and non-cancer patients from a tertiary Cancer Centre in India	Mirgh S.P., Gokarn A., Rajendra A., More A., Kamtalwar S., Katti K.S., Singh A., G	Medical and Health Sciences	Cancer Medicine	2021	65	0
Aspiration pneumonia in head and neck cancer patients undergoing concurrent chemoradiation from India: Findings from a post hoc analysis of a phase 3 study	Patil V., Noronha V., Shrirangwar S., Menon N., Abraham G., Chandrasekharan A	Medical and Health Sciences	Cancer Medicine	2021	65	0
ADME gene polymorphisms do not influence the pharmacokinetics of docetaxel: Results from a population pharmacokinetic study in Indian cancer patients	Patil A., Shriyan B., Mehta P., Patil M., Gurjar M., Nookala M., Patil V., Joshi A., N	Life Sciences;Medical and Health	Cancer Medicine	2021	65	1
Effect of body mass index on pharmacokinetics of paclitaxel in patients with early breast cancer	Gota V., Nookala M., Bonda A., Karanam A., Shriyan B., Kembhavi Y., Gurjar M.,	Life Sciences;Medical and Health	Cancer Medicine	2021	65	0
A real-world data of Immune checkpoint inhibitors in solid tumors from India	Noronha V., Abraham G., Patil V., Joshi A., Menon N., Mahajan A., Janu A., Jain S	Medical and Health Sciences	Cancer Medicine	2021	65	5
Implications of enhancer transcription and eRNAs in cancer	Adhikary S., Roy S., Chacon J., Gadad S.S., Das C.	Life Sciences	Cancer Research	2021	466	10
Clinical presentation and pattern of care for sarcomatoid variant of squamous cell carcinoma of the head-And-neck region: A retrospective study	Chakraborthy A., Thiagarajan S., Bal M., Chaukar D.	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	45	0
Exploring RAS mutations in Indian patients with colorectal cancer: Have we seen it all?	Shetty O.	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	45	1
Potato in the parapharyngeal space	Bornak G., Patil V., Mahajan A.	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	45	0
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., Singh A., Saini A., Pahwa S.	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	45	2
Oncologists' perceptions of the need for assessing individual domains in the geriatric assessment and worthwhile outcomes in treating older patients with cancer: A ques	Noronha V., Kalra D., Ramaswamy A., Gattani S., Menon N., Patil V., Prabhash K.	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	45	0
COVID-19 vaccine hesitancy in India	Dani M., Singh A., Chaturvedi P.	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	45	1
Vaccination practices, efficacy, and safety in adults with cancer: A narrative review	Sarkar L., Goli V., Menon N., Patil V., Noronha V., Prabhash K.	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	45	1
Immune checkpoint inhibitors in older patients with solid tumors: Real-world experience from India	Abraham G., Jobanputra K., Noronha V., Patil V., Menon N., Gattani S., Prabhash	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	45	5
Patterned abrasions	Abraham G., Shetty A., Biraris P., Tibdewal A., Bhaskar M., Janu A., Tandon S.	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	45	0
HER2 alterations in non-small-cell lung cancer-Druggable or undruggable?	Bondili S., Nandhana R., Noronha V., Pawar S., Menon N., Shetty O., Chougule A.	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	45	2
Optimal dose of bevacizumab in recurrent glioma: A retrospective study	Dsouza H., Singh G., Menon N., Abhyankar A., Puranik A., Mahajan A., Janu A., K	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	45	4
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., Mahajan A., Janu A., Prabha	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	45	4
Treatment of advanced non-small-cell lung cancer: First line, maintenance, and second line- Indian consensus statement update(Under the aegis of Lung Cancer Consorti	Prabhash K., Vora A., Limaye S., Sahoo T., Batra U., Patil S., Patil V., Noronha V.,	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	45	5
COVID-19 vaccine uptake and vaccine hesitancy in Indian patients with cancer: A questionnaire-based survey	Noronha V., Abraham G., Bondili S., Rajpurohit A., Menon R., Gattani S., Trikha M	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	45	14
Rare case of Skene gland adenocarcinoma with RET- rearrangement	Bondili S.K., Abraham G., Noronha V., Joshi A., Patil V.M., Menon N., Shetty O.A.	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	45	2
Algorithm to choose the appropriate test for comparison between two groups	Dessai S.B., Patil V.M.	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	45	1
COVID-19 and its socioeconomic impact	Mahajan A.	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	45	3
Synoptic reporting in lung cancers using Lung Cancer Reporting and Data System (LC-RADS): The road ahead for standardization of imaging in lung cancer staging	Mahajan A.	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	45	0
Polypharmacy and potentially inappropriate medication use in older Indian patients with cancer: A prospective observational study	Noronha V., Ramaswamy A., Gattani S.C., Castelino R., Krishnamurthy M.N., Me	Life Sciences;Medical and Health	Cancer Research, Statistics, and Treatment	2021	45	7
Cancer-related fatigue and its impact on quality of life in patients with central nervous system tumors: A cross-sectional analysis	Singh G.K., Varghese L., Menon N., Dale O., Patil V.M.	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	45	2
Assessment of COVID-19 severity using computed tomography imaging: A systematic review and meta-analysis	Sharma P.J., Mahajan A., Rane S., Bhattacharjee A.	Medical and Health Sciences	Cancer Research, Statistics, and Treatment	2021	45	2
Evolving multidisciplinary treatment of squamous cell carcinoma of the head and neck in India☆	Anand A.K., Agarwal J.P., D'Cruz A., Dattatreya P.S., Goswami C., Joshi A., Julka P	Medical and Health Sciences	Cancer Treatment and Research Communications	2021	13	0
The oncogene mycn modulates glycolytic and invasive genes to enhance cell viability and migration in human retinoblastoma	Sradhanjali S., Rout P., Tripathy D., Kaliki S., Rath S., Modak R., Mittal R., Chowda	Life Sciences	Cancers	2021	92	1
Stereotactic body radiotherapy for high-risk prostate cancer: A systematic review	Foerster R., Zwahlen D.R., Buchali A., Tang H., Schroeder C., Windisch P., Vu E., A	Medical and Health Sciences	Cancers	2021	92	9
Fabrication of thiophene-chitosan hydrogel-trap for efficient immobilization of mercury (II) from aqueous environs	Maity S., Naskar N., Jana B., Lahiri S., Ganguly J.	Chemical Sciences	Carbohydrate Polymers	2021	228	9
Superior electrochemical performance of MoS2 decorated on functionalized carbon nanotubes as anode material for sodium ion battery	Halankar K.K., Mandal B.P., Tyagi A.K.	Chemical Sciences	Carbon Trends	2021	296	1
Artificial neural network, Pareto optimization, and Taguchi analysis for the synthesis of single-walled carbon nanotubes	Kaushal A., Alexander R., Rao P.T., Prakash J., Dasgupta K.	Engineering Sciences	Carbon Trends	2021	296	3
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., Tripathi R., Biswas D.	Engineering Sciences;Physical Sci	Carbon Trends	2021	296	4
Direct microscopic evidence of shear induced graphitization of ultrananocrystalline diamond films	Ganesan K., Rani R., Mathews T., Dhara S.	Physical Sciences	Carbon Trends	2021	296	1
Stabilizing Co, Ni and Cu on the h-BN surface: Using O–O bond activation to probe their performance as single atom catalyst	Datta J., Majumder C.	Chemical Sciences	Catalysis Today	2021	221	5
Spatiotemporal variability in stable isotopes of the Ganga River and factors affecting their distributions	Rai S.P., Noble J., Singh D., Rawat Y.S., Kumar B.	Engineering Sciences	Catena	2021	140	0
Novel nucleolar localization of clusterin and its associated functions in human oral cancers: An in vitro and in silico analysis	Kadam R., Harish M., Dalvi K., Teni T.	Life Sciences	Cell Biochemistry and Function	2021	65	1
TRPM8 channel augments T-cell activation and proliferation	Acharya T.K., Tiwari A., Majhi R.K., Goswami C.	Life Sciences	Cell Biology International	2021	81	2
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., Pattanaik N., Dixit M.	Life Sciences	Cell Death and Disease	2021	128	3
Molecular imaging of the kinetics of hyperactivated ERK1/2-mediated autophagy during acquirement of chemoresistance	Bishnu A., Phadte P., Dhadve A., Sakpal A., Rekhi B., Ray P.	Life Sciences;Medical and Health	Cell Death and Disease	2021	128	5
Dna fingerprint analysis of raman spectra captures global genomic alterations in imatinib-resistant chronic myeloid leukemia: A potential single assay for screening imati	Mojidra R., Hole A., Iwasaki K., Noothalapati H., Yamamoto T., C M.K., Govekar R	Life Sciences	Cells	2021	66	0
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., Jain M., Brestic M., Allal	Physical Sciences	Cells	2021	66	3
Future directions in the treatment of osteosarcoma	Smrke A., Anderson P.M., Gulia A., Gennatas S., Huang P.H., Jones R.L.	Medical and Health Sciences	Cells	2021	66	29
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., Bindra K.S.	Engineering Sciences;Physical Sci	Ceramics International	2021	126	8
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	126	5
Defect originated photoluminescence tuning of silica nanoparticles prepared by electron beam irradiation and their applications	Guleria A., Chavan A.P., Tomy A., Baby C.M., Neogy S., Debnath A.K., Adhikari S.	Chemical Sciences;Engineering Sc	Ceramics International	2021	126	4
Development and characterization of polycrystalline transparent CsI plate for X-ray radiography applications	Sen S., Sarkar P.S., Patra G.D., Singh S.G., Ghosh M., Pitale S., Patil A.N., Pal M.K.	Physical Sciences	Ceramics International	2021	126	1
Studies on Nd solubility in Ca10(PO4)6F2 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	126	1
Studies on the uranium speciation in zinc iron phosphate (ZnIP) glass using Mössbauer and EXAFS spectroscopic investigations	Praveena N., Jena H., Kumar R., Jha S.N., Bhattacharyya D., Meena S.S.	Chemical Sciences;Physical Scien	Ceramics International	2021	126	1
Biocompatibility and cyclic fatigue response of surface engineered Ti6Al4V femoral heads for hip-implant application	Samanta A., Rane R., Jhala G., Kundu B., Datta S., Ghosh J., Joseph A., Mukherjee	Medical and Health Sciences;Phy	Ceramics International	2021	126	1
Photocatalytic degradation kinetics of cationic and anionic dyes using Au–ZnO nanorods: Role of pH for selective and simultaneous degradation of binary dye mixtures	Verma S., Tirumala Rao B., Singh R., Kaul R.	Physical Sciences	Ceramics International	2021	126	6
Grain and grain boundary contributions to AC conductivity in ferroelectric Ba0.75Pb0.25Ti1-xZrxO3 ceramics	Amin R., Samantaray K., Rini E.G., Bhaumik I., Sen S.	Physical Sciences	Ceramics International	2021	126	7
Ca2+-substitution effect on the defect structural changes in the quadruple perovskite series Ca1+xCu3-xTi4O12 studied by positron annihilation and complementary met	Barad D.V., Mange P.L., Jani K.K., Mukherjee S., Ahmed M., Kumar S., Dolia S.N.,	Physical Sciences	Ceramics International	2021	126	7
High nonlinearity in 0.1 mol.% In2O3 added ZnO–V2O5 based varistors prepared at different sintering temperatures	Roy T.K.	Engineering Sciences	Ceramics International	2021	126	3
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	348	1
Fibril-induced neurodegenerative disorders in an Aβ-mutant Drosophila model: Therapeutic targeting using ammonium molybdate	Manna S., Karmakar P., Kisan B., Mishra M., Barooah N., Bhasikuttan A.C., Moha	Chemical Sciences	Chemical Communications	2021	348	0
Thiophene-fused boracycles as photoactive analogues of diboraanthracenes	Sa S., Murali A.C., Nayak P., Venkatasubbaiah K.	Chemical Sciences	Chemical Communications	2021	348	1
3-Nitro-coumarin synthesisvianitrative cyclization of aryl alkynoates usingtert-butyl nitrite	Sau S., Mal P.	Chemical Sciences	Chemical Communications	2021	348	5
Sulfurâ‹¯oxygen interaction-controlled (Z)-selectiveanti-Markovnikov vinyl sulfides	Pramanik M., Mathuri A., Mal P.	Chemical Sciences	Chemical Communications	2021	348	4
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	348	1
O-Directed C-H functionalizationviacobaltacycles: a sustainable approach for C-C and C-heteroatom bond formations	Banjare S.K., Nanda T., Pati B.V., Biswal P., Ravikumar P.C.	Chemical Sciences	Chemical Communications	2021	348	12
Solvent-free flow synthesis of [OMIM]Br in a microreactor	Sen N., Singh K.K., Mukhopadhyay S., Shenoy K.T.	Engineering Sciences	Chemical Engineering and Processing - Process Intensificat	2021	111	0
Carrier mediated transport of actinides using hexa–n-hexylnitrilotriacetamide (HHNTA)	Mahanty B., Karak A., Mohapatra P.K., Egberink R.J.M., Valsala T.P., Sathe D.B.,	Chemical Sciences	Chemical Engineering and Processing - Process Intensificat	2021	111	1
Computational modelling of non-dispersive solvent extraction of uranium in hollow fiber contactor operated in recycle mode	Swain B., Sarkar S., Singh K.K., Pabby A.K.	Chemical Sciences;Engineering Sc	Chemical Engineering and Processing - Process Intensificat	2021	111	6
Selective separation of Cu from large excess of Zn using a microfluidic platform	Sen N., Chakravarty R., Singh K.K., Chakraborty S., Shenoy K.T.	Chemical Sciences;Engineering Sc	Chemical Engineering and Processing - Process Intensificat	2021	111	3
Unified correlations for the prediction of the slip velocity, characteristic velocity, flooding throughput and flooding slip velocity in a pulsed disc and doughnut extraction c	Sinha V., Vincent T.	Engineering Sciences	Chemical Engineering Communications	2021	54	0
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., Mullick A., Moulik S., Roy A	Chemical Sciences	Chemical Engineering Journal	2021	248	1
Dynamics of bubbles rising in pseudo-2D bubble column: Effect of confinement and inertia	Gumulya M., Utikar R.P., Pareek V.K., Evans G.M., Joshi J.B.	Engineering Sciences	Chemical Engineering Journal	2021	248	5
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	31	1
Extraction chromatography based separation of zirconium(IV) from simulated high-level liquid waste using N,N-di-octyl-2-hydroxyacetamide impregnated amberlite XAD	Suneesh A.S., Selvan B.R., Prathibha T., Sriram S., Ramanathan N.	Chemical Sciences	Chemical Engineering Journal Advances	2021	31	1
Large-scale synthesis of ionic liquid [BMIM]Br in a microbore tube	Sen N., Ekhande S., Singh K.K., Mukhopadhyay S., Sirsam R.S., Shenoy K.T.	Engineering Sciences	Chemical Engineering Research and Design	2021	108	1
Europium(III) permeation through a flat sheet supported liquid membrane containing CMPO with iso-decanol phase modifier: Experimental and modeling studies	Kumar R., Ansari S.A., Kandwal P., Mohapatra P.K.	Chemical Sciences	Chemical Engineering Research and Design	2021	108	1
Temperature-induced pH changes govern hydrate transformation during cooling crystallization of potassium acid phthalate	Pakhare A.D., Dighe A.V., Mathpati C.S., Joshi J.B., Singh M.R., Ramkrishna D., Pa	Engineering Sciences	Chemical Engineering Research and Design	2021	108	0
Automated interface detection in liquid-liquid systems using self-calibrating ultrasonic sensor	Mukherjee D., Sen N., Singh K.K., Saha S., Shenoy K.T., Marathe P.P.	Engineering Sciences	Chemical Engineering Science	2021	194	3
On-route to dryout through sequential interfacial dynamics in annular flow boiling around temperature and heat flux controlled heater rod	Silvi L.D., Chandraker D.K., Ghosh S., Das A.K.	Engineering Sciences	Chemical Engineering Science	2021	194	2
Analysis of grinding in a spiral jet mill. Part 1: Batch grinding	Dhakate M.M., Joshi J.B., Khakhar D.V.	Engineering Sciences	Chemical Engineering Science	2021	194	2
An efficient Cu/functionalized graphene oxide catalyst for synthesis of 5-substituted 1H-tetrazoles	Kulkarni P.A., Satpati A.K., Thandavarayan M., Shendage S.S.	Chemical Sciences	Chemical Papers	2021	46	3
Exploring pentavalent phosphorous bonding in phosphoryl chloride-halocarbon heterodimers at low temperatures and ab initio Computations	Sruthi P.K., Sarkar S., Ramanathan N., Sundararajan K.	Chemical Sciences	Chemical Physics	2021	123	2
Understanding the microscopic structural organization of neat ammonium based ionic liquids through resonance energy transfer (RET) studies	Majhi D., Chakraborty M., Barik S., Mahapatra A., Sarkar M.	Chemical Sciences	Chemical Physics Impact	2021	123	1
Influence of charge transporting layers on ion migration and interfacial carrier recombination in CH3NH3PbI3 perovskite solar cells	Gupta D., Chauhan A.K., Veerender P., Koiry S.P., Jha P., Sridevi C.	Physical Sciences	Chemical Physics Letters	2021	240	1
Theoretical study of the TiC molecule: Low-lying and excited 1,3Σ+, 1,3Π, and 1,3Δ states	Bhattacharyya S., Harrison J.F.	Physical Sciences	Chemical Physics Letters	2021	240	0
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	240	0
Low temperature phase properties of water confined in MCM41 mesopores at different hydration levels: A molecular dynamics study	Chakraborty B., Dutta D.	Physical Sciences	Chemical Physics Letters	2021	240	1
Rate coefficients of hydroxyl radical reaction with 1-chlorocyclopentene over a temperature range of 262–335 K	Sharma A., Walavalkar M.P., Virmani A., Saha A., SenGupta S., Kumar A., Naik P.	Chemical Sciences	Chemical Physics Letters	2021	240	0
Understanding the mechanism of the CO2 responsive viscoelastic fluids obtained from cetyltrimethylammonium bromide, sodium salicylate and N, N-dimethylcyclohexyl	Wang J., Huang Z., Wu Y., Sun L., Zheng C., Sengupta A.	Chemical Sciences	Chemical Physics Letters	2021	240	1
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 s	Santhoshkumar B., L.R. Khanna D., Choudhary M.B., Lokeswara Rao P., Ramanat	Physical Sciences	Chemical Physics Letters	2021	240	2
Influence of nickel (Ni7+) Swift Heavy Ion (SHI) irradiation on the optical, topological, dielectric, piezoelectric and ferroelectric properties of 〈0 1 1〉 oriented ferroelectr	Bharath Sabarish V.C., Durairajan A., Graça M.P.F., Valente M.A., Gajendiran J., F	Physical Sciences	Chemical Physics Letters	2021	240	2
Room temperature d0 ferromagnetism in nitrogen doped WO3 for spintronic applications: A first-principles study	Shivade R.K., Kundu A., Chakraborty B.	Physical Sciences	Chemical Physics Letters	2021	240	4
Does the basicity of phosphoryl oxygen change with alkyl chain length in phosphate ligands?	Rajani P., Gopakumar G., Nagarajan S., Brahmmananda Rao C.V.S.	Chemical Sciences	Chemical Physics Letters	2021	240	0
Lithium silicate nanosheets with excellent capture capacity and kinetics with unprecedented stability for high-temperature CO2capture	Belgamwar R., Maity A., Das T., Chakraborty S., Vinod C.P., Polshettiwar V.	Physical Sciences	Chemical Science	2021	190	9
A single layer artificial neural network type architecture with molecular engineered bacteria for reversible and irreversible computing	Sarkar K., Bonnerjee D., Srivastava R., Bagh S.	Life Sciences	Chemical Science	2021	190	3
Single Amino-Acid Based Self-Assembled Biomaterials with Potent Antimicrobial Activity	Misra S., Mukherjee S., Ghosh A., Singh P., Mondal S., Ray D., Bhattacharya G., G	Physical Sciences	Chemistry - A European Journal	2021	254	0
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	254	3
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.	Chemical Sciences	Chemistry - A European Journal	2021	254	10
Doubling FÃ¶rster Resonance Energy Transfer Efficiency in Proteins with Extrinsic Thioamide Probes: Implications for Thiomodified Nucleobases	Jena S., Tulsiyan K.D., Kar R.K., Kisan H.K., Biswal H.S.	Chemical Sciences	Chemistry - A European Journal	2021	254	1
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 S.C., Dash S.	Chemical Sciences	ChemistrySelect	2021	41	0
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	41	2
Enhanced Solubility and Oral Bioavailability of Hydrophobic Drugs Using Pluronic Nanomicelles: An In-Vitro Evaluation	Shaikh S.J., Patel H.S., Ray D., Aswal V.K., Singh S., Vijayvargia R., Sheth U., Sharm	Physical Sciences	ChemistrySelect	2021	41	0
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	41	2
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	41	0
A Comprehensive Investigation alongwith the Statistical Evaluation for the Characterization of Ilmenite Mineral by X-ray Fluorescence Spectrometry and Optical Emission	Sk J., Sunita Pathak M., Sengupta A.	Chemical Sciences	ChemistrySelect	2021	41	5
Development of Methodologies for the Chemical Quality Control of Zircon, A Precursor for Zirconium Production	Jayabun S., Sengupta A.	Chemical Sciences	ChemistrySelect	2021	41	6
Unexpected Coordination Modes of Bisphosphoramides with Lanthanum(III) and Thorium(IV) Salts: Synthesis, Structural Characterization, Stability, and Extraction Studie	Goud E.V., Vijai Anand A.S., Pallepogu R., Brahmmananda Rao C.V.S., Nagarajan	Chemical Sciences	ChemistrySelect	2021	41	2
Sacubitril-Based Urea and Thiourea Derivatives as Novel Inhibitors for Anti-Tubercular against Dormant Tuberculosis	Konduri S., Pogaku V., Prashanth J., Siva Krishna V., Sriram D., Basavoju S., Beher	Chemical Sciences	ChemistrySelect	2021	41	3
Assessment of a naturally occurring high background radiation area with elevated levels of thorium along coastal Odisha, India using radiometric methods	Ghosal S., Agrahari S., Banerjee D., Sengupta D.	Chemical Sciences	Chemosphere	2021	265	2
Experimental and theoretical approach to probe the aquatic speciation of transuranic (neptunyl) ion in presence of two omnipresent organic moieties	Dumpala R.M.R., Srivastava A., Rawat N.	Chemical Sciences	Chemosphere	2021	265	3
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., Rawat N., Kumar A., Ali S.M	Chemical Sciences;Life Sciences	Chemosphere	2021	265	3
Accountancy for intrinsic colloids on thorium solubility: The fractionation of soluble species and the characterization of solubility limiting phase	Dumpala R.M.R., Sahu M., Nagar B.K., Raut V.V., Raje N.H., Rawat N., Subbiah J.	Chemical Sciences	Chemosphere	2021	265	4
A novel method based on 220Rn (thoron) exhalation rate of indoor surfaces for robust estimates of 220Rn concentration and equilibrium factor to compute inhalation do	Kanse S.D., Sahoo B.K., Gaware J.J., Sapra B.K.	Physical Sciences	Chemosphere	2021	265	1
Factors controlling the distribution of radon (222Rn) in groundwater of a tropical mountainous river basin in southwest India	Sukanya S., Noble J., Joseph S.	Engineering Sciences	Chemosphere	2021	265	12
NeurotoxKb 1.0: Compilation, curation and exploration of a knowledgebase of environmental neurotoxicants specific to mammals	Ravichandran J., Karthikeyan B.S., Singla P., Aparna S.R., Samal A.	Life Sciences	Chemosphere	2021	265	1
ExHuMId: A curated resource and analysis of Exposome of Human Milk across India	Karthikeyan B.S., Ravichandran J., Aparna S.R., Samal A.	Life Sciences	Chemosphere	2021	265	3
DEDuCT 2.0: An updated knowledgebase and an exploration of the current regulations and guidelines from the perspective of endocrine disrupting chemicals	Karthikeyan B.S., Ravichandran J., Aparna S.R., Samal A.	Life Sciences	Chemosphere	2021	265	7
Supramolecular Control on the Optical Properties of a Dye-Polyelectrolyte Assembly	Awasthi A.A., Pandey S.P., Singh P.K.	Chemical Sciences	ChemPhysChem	2021	148	0
Fine-Tuning Plasmon-Molecule Interactions in Gold-BODIPY Nanocomposites: The Role of Chemical Structure and Noncovalent Interactions	Kumar P.P.P., Rahman A., Goswami T., Ghosh H.N., Neelakandan P.P.	Chemical Sciences	ChemPlusChem	2021	148	5
Interface- and Surface-Engineered PdOâˆ'RuO2 Hetero-Nanostructures with High Activity for Hydrogen Evolution/Oxidation Reactions	Samanta R., Mishra R., Barman S.	Chemical Sciences	ChemSusChem	2021	148	10
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., Odelius M., Johansson E.M	Physical Sciences	ChemSusChem	2021	148	4
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., Chinnaswamy G., Moiyad	Medical and Health Sciences	Child's Nervous System	2021	87	0
Birth of a solid organ cancer—the cell fusion hypothesis presented with pancreatic cancer as a model: A narrative review	Barreto S.G., Gardi N., Dutt S.	Life Sciences	Chinese Clinical Oncology	2021	28	0
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., Nambissan P.M.G., Mandal	Physical Sciences	Chinese Physics B	2021	57	1
Measurements of dihadron correlations relative to the event plane in Au+Au collisions at √sNN= 200 GeV	Agakishiev H., Aggarwal M.M., Ahammed Z., Alakhverdyants A.V., Alekseev I., A	Engineering Sciences;Physical Sci	Chinese Physics C	2021	42	1
Study of arc characteristics using varying shielding gas and optimization of activated-tig welding technique for thick AISI 316L(N) plates	Pavan A.R., Chandrasekar N., Arivazhagan B., Kumar S., Vasudevan M.	Engineering Sciences	CIRP Journal of Manufacturing Science and Technology	2021	53	1
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., Bindra K.S.	Engineering Sciences;Physical Sci	CIRP Journal of Manufacturing Science and Technology	2021	53	9
Hollow fibre supported liquid membranes for nuclear fuel cycle applications: A review	Ansari S.A., Mohapatra P.K.	Chemical Sciences	Cleaner Engineering and Technology	2021	62	1
High-dose salvage re-irradiation for recurrent/progressive adult diffuse glioma: healing or hurting?	Gupta T., Maitre M., Maitre P., Goda J.S., Krishnatry R., Chatterjee A., Moiyadi A	Medical and Health Sciences	Clinical and Translational Oncology	2021	52	2
A practical approach to bladder preservation with hypofractionated radiotherapy for localised muscle-invasive bladder cancer	Portner R., Bajaj A., Elumalai T., Huddart R., Murthy V., Nightingale H., Patel K., S	Medical and Health Sciences	Clinical and Translational Radiation Oncology	2021	23	0
Impact of transitioning to an online course – A report from the ESTRO gyn teaching course	Tan L.T., Tanderup K., Nappa A., Petric P., Jürgenliemk-Schulz I.M., Serban M., Sw	Medical and Health Sciences	Clinical and Translational Radiation Oncology	2021	23	3
En Bloc Excision of Phyllodes Tumor of the Breast: Radical Approach Heralds Better Outcome	Nair N.S., Chitkara G., Hawaldar R.W., Parmar V., Joshi S., Thakkar P., Shet T., Wa	Medical and Health Sciences	Clinical Breast Cancer	2021	70	0
High-specific-activity-131I-MIBG versus 177Lu-DOTATATE targeted radionuclide therapy for metastatic pheochromocytoma and paraganglioma	Jha A., Taïeb D., Carrasquillo J.A., Pryma D.A., Patel M., Millo C., de Herder W.W	Medical and Health Sciences	Clinical Cancer Research	2021	344	12
Exendin-4-based imaging in insulinoma localization: Systematic review and meta-analysis	Shah R., Garg R., Majmundar M., Purandare N., Malhotra G., Patil V., Ramteke-Ja	Medical and Health Sciences	Clinical Endocrinology	2021	153	5
When COVID-19 will decline in India? Prediction by combination of recovery and case load rate	Bhattacharjee A., Kumar M., Patel K.K.	Medical and Health Sciences	Clinical Epidemiology and Global Health	2021	20	5
Diagnostic Performance of Pretreatment 18F-Fluorodeoxyglucose Positron Emission Tomography With or Without Computed Tomography in Patients With Primary Cent	Gupta T., Manjali J.J., Kannan S., Purandare N., Rangarajan V.	Medical and Health Sciences	Clinical Lymphoma, Myeloma and Leukemia	2021	56	4
Systematic Review of the Burden and Treatment Patterns of Adult and Adolescent Acute Lymphoblastic Leukemia in India: Comprehending the Challenges in an Emerging	Radhakrishnan V.S., Agrawal N., Bagal B., Patel I.	Medical and Health Sciences	Clinical Lymphoma, Myeloma and Leukemia	2021	56	2
Prostate-Specific Membrane Antigen Expression in Patients with Differentiated Thyroid Cancer with Thyroglobulin Elevation and Negative Iodine Scintigraphy Using 68Ga	Verma P., Malhotra G., Meshram V., Chandak A., Sonavane S., Lila A.R., Bandgar	Medical and Health Sciences	Clinical Nuclear Medicine	2021	61	2

68Ga-PSMA-HBED-CC PET/CT Findings in a Patient of Polyostotic Fibrous Dysplasia	Malhotra G., Aute P.P., Awasare S., Asopa R.V.	Medical and Health Sciences	Clinical Nuclear Medicine	2021	61	0
Unusual Variant of Breast Cancer Presenting With Pituitary Symptoms Detected on 68Ga-DOTATATE PET/CT	Dev I.D., Puranik A.D., Rangarajan V., Purandare N.C., Agrawal A., Shah S., Sahay	Medical and Health Sciences	Clinical nuclear medicine	2021	61	0
Carcinosarcoma Gallbladder with Osteosarcomatous Differentiation	Suthar R.R., Agrawal A., Bal M., Purandare N., Shah S., Puranik A., Rangarajan V.	Medical and Health Sciences	Clinical Nuclear Medicine	2021	61	0
Incidence, Treatment and Outcomes of Cervical Cancer in Low- and Middle-income Countries	Mahantshetty U., Lavanya G., Grover S., Akinfenwa C.A., Carvalho H., Amornwicl	Medical and Health Sciences	Clinical Oncology	2021	80	3
Radiotherapy for Post-Chemotherapy Residual Mass in Advanced Seminoma: A Fluorodeoxyglucose Positron Emission Tomography-Computed Tomography-Based Risk-a	Murthy V., Karmakar S., Carlton J., Joshi A., Krishnatry R., Prabhash K., Noronha	Medical and Health Sciences	Clinical Oncology	2021	80	2
Adjuvant and Neoadjuvant Radiation Therapy for Locally Advanced Bladder Cancer	Baumann B.C., Zaghloul M.S., Sargos P., Murthy V.	Medical and Health Sciences	Clinical Oncology	2021	80	2
The Practice of Paediatric Radiation Oncology in Low- and Middle-income Countries: Outcomes of an International Atomic Energy Agency Study	Anacak Y., Zubizarreta E., Zaghloul M., Laskar S., Alert J., Gondhowiardjo S., Gise	Medical and Health Sciences	Clinical Oncology	2021	80	1
Safety and Efficacy of Ultra-hypofractionation in Node-positive Prostate Cancer	Telkhade T., Murthy V., Kanala T.S., Mathew J.M., Phurailatpam R., Mokal S., Ch	Medical and Health Sciences	Clinical Oncology	2021	80	3
Prospective Longitudinal Assessment of Quality of Life and Activities of Daily Living as Patient-Reported Outcome Measures in Recurrent/Progressive Glioma Treated wit	Maitre P., Gupta T., Maitre M., Goda J., Krishnatry R., Chatterjee A., Sridhar E., S	Medical and Health Sciences	Clinical Oncology	2021	80	4
Impact of Adjuvant Treatment in pN3 Penile Cancer	Khurud P., Krishnatry R., Telkhade T., Patil A., Prakash G., Joshi A., Pal M., Noron	Medical and Health Sciences	Clinical Oncology	2021	80	0
Follow-up of colorectal cancer and patterns of recurrence	Haria P.D., Baheti A.D., Palsetia D., Ankathi S.K., Choudhari A., Guha A., Saklani A	Medical and Health Sciences	Clinical Radiology	2021	97	1
Effect of the pandemic on quality-of-life data collection in prostate cancer patients	Shirsat A., Pashilkar S., Chavan A., Kalra D., Gota V., Joshi A., Krishnamurthy M.N	Life Sciences;Medical and Health	ClinicoEconomics and Outcomes Research	2021	31	0
Neoadjuvant chemotherapy and surgery versus chemoradiotherapy for locally advanced cervical cancer	Athanasiou A., Bowden S.J., Paraskevaidis E., Shylasree T.S., Lathouras K., Kyrgio	Medical and Health Sciences	Cochrane Database of Systematic Reviews	2021	292	0
Micellar characteristics of an amphiphilic star-block copolymer in DES-water mixture	Patidar P., Kanoje B., Bahadur A., Kuperkar K., Ray D., Aswal V.K., Wang M., Che	Physical Sciences	Colloid and Polymer Science	2021	89	5
Drug induced catanionic vesicles assisted fabrication of hollow silica nano-spheres as the new age chemo-drug carrier	Rajput S.M., Gangele K., Poluri K.M., Ray D., Aswal V.K., Kailasa S.K., Malek N.I.	Physical Sciences	Colloids and Interface Science Communications	2021	25	0
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., Kumar S.	Physical Sciences	Colloids and Interface Science Communications	2021	25	1
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 V.I.	Physical Sciences	Colloids and Surfaces A: Physicochemical and Engineering	2021	179	1
Investigations on the role of edge activator upon structural transitions in Span vesicles	Rathod S., Arya S., Shukla R., Ray D., Aswal V.K., Bahadur P., Tiwari S.	Physical Sciences	Colloids and Surfaces A: Physicochemical and Engineering	2021	179	1
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., Bahadur P., Tiwari S.	Chemical Sciences;Physical Scien	Colloids and Surfaces A: Physicochemical and Engineering	2021	179	1
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., Bahadur P.	Physical Sciences	Colloids and Surfaces A: Physicochemical and Engineering	2021	179	3
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, surfa	Chadha R., Das A., Debnath A.K., Kapoor S., Maiti N.	Chemical Sciences;Physical Scien	Colloids and Surfaces A: Physicochemical and Engineering	2021	179	9
Changes in aggregation properties of TPGS micelles in the presence of sodium cholate	Rathod S., Joshi A., Ray D., Aswal V.K., Verma G., Bahadur P., Tiwari S.	Chemical Sciences;Physical Scien	Colloids and Surfaces A: Physicochemical and Engineering	2021	179	6
Rapid synthesis of tetragonal zirconia nanoparticles by microwave-solvothermal route and its photocatalytic activity towards organic dyes and hexavalent chromium in si	Mishra S., Debnath A.K., Muthe K.P., Das N., Parhi P.	Physical Sciences	Colloids and Surfaces A: Physicochemical and Engineering	2021	179	7
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	2021	179	6
Langmuir-Blodgett based growth of rGO wrapped TiO2 nanostructures and their photocatalytic performance	Narayanam P.K., Major S.S.	Chemical Sciences	Colloids and Surfaces A: Physicochemical and Engineering	2021	179	1
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., Vishwakarma S.R., Sen D.	Life Sciences;Physical Sciences	Colloids and Surfaces B: Biointerfaces	2021	169	2
Thermoresponsive liquid crystalline formulation of Exemestane: Design and structural characterization	Shah V., Bharatiya B., Gawali S., Hassan P.A., Shukla A.D., Khandelwal A., Bhatt H	Chemical Sciences;Physical Scien	Colloids and Surfaces B: Biointerfaces	2021	169	1
Outcomes of radical surgical resections for nonmetastatic anorectal melanomas: Experience from a tertiary care centre	Chatterjee A., Rohila J., Kazi M., Sharma V., Desouza A., Ostwal V., Bajpai J., Engi	Medical and Health Sciences	Colorectal Disease	2021	95	0
Laparoscopic versus open resection in locally advanced rectal cancers: a propensity matched analysis of oncological and short-term outcomes	Sasi S., Kammar P., Masillamany S., de' Souza A., Engineer R., Ostwal V., Saklani	Medical and Health Sciences	Colorectal Disease	2021	95	1
On Thin Sum-Product Bases François Hennecart, Gyan Prakash, Eyyunni Pramod	Hennecart F., Prakash G., Pramod E.	Medical and Health Sciences	Combinatorica	2021	55	0
TimeScale Analysis, Numerical Simulation and Validation of Flame Acceleration, and DDT in Hydrogen–Air Mixtures	Karanam A., Ganju S., Chattopadhyay J.	Engineering Sciences	Combustion Science and Technology	2021	79	5
Existence of Extremals of Dunkl-Type Sobolev Inequality and of Stein–Weiss Inequality for Dunkl Riesz Potential	Adhikari S., Anoop V.P., Parui S.	Mathematical Sciences	Complex Analysis and Operator Theory	2021	23	1
Rational cuspidal curves in a moving family of â„™2	Mukherjee R., Singh R.K.	Mathematical Sciences	Complex Manifolds	2021	5	1
Ab-initio studies of electronic and magnetic properties of titanium doped methylammonium lead halides	Moshat S., Sanyal D.	Physical Sciences	Computational Condensed Matter	2021	18	1
Graph theory based approach to characterize self interstitial defect morphology	Bhardwaj U., Sand A.E., Warrier M.	Physical Sciences	Computational Materials Science	2021	126	4
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	126	1
1144 Fe based superconductors: natural example of orbital selective self-doping and chemical pressure induced Lifshitz transition	Ghosh A., Sen S., Ghosh H.	Physical Sciences	Computational Materials Science	2021	126	6
Role of twin boundary position on the yield strength of Cu nanopillars	Sainath G., Rohith P., Nagesha A.	Engineering Sciences	Computational Materials Science	2021	126	0
Molecular dynamics studies on formation of stacking fault tetrahedra in FCC metals	Kumar Panda A., Divakar R., Singh A., Thirumurugesan R., Parameswaran P.	Physical Sciences	Computational Materials Science	2021	126	6
A molecular dynamics study of displacement cascades and radiation induced amorphization in Li2TiO3	Sahoo D.R., Chaudhuri P., Swaminathan N.	Engineering Sciences	Computational Materials Science	2021	126	3
High pressure core electron spectroscopy in 111 Fe-based superconducting materials: A first principles study	Ghosh S., Ghosh H.	Physical Sciences	Computational Materials Science	2021	126	5
Numerical study of effect of pitch-to-rod diameter ratio on heat transfer to supercritical water in 2 × 2 rod bundle	Sahu S., Vaidya A.M.	Engineering Sciences	Computational Thermal Sciences	2021	126	0
Classical molecular dynamics simulations of the deformation of metals under uniaxial monotonic loading: A review	Kedharnath A., Kapoor R., Sarkar A.	Engineering Sciences	Computers and Structures	2021	144	1
Liveness in broadcast networks	Chini P., Meyer R., Saivasan P.	Mathematical Sciences	Computing	2021	15	0
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., Philip J.	Physical Sciences	Construction and Building Materials	2021	198	5
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.G., Philip J., Albert S.K.	Engineering Sciences;Physical Sci	Construction and Building Materials	2021	198	12
Excitation of plasma wakefields by intense ultra-relativistic proton beam	Karmakar M., Patel B., Chakrabarti N., Sengupta S.	Physical Sciences	Contributions to Plasma Physics	2021	49	0
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., Kain V.	Engineering Sciences	Corrosion Engineering Science and Technology	2021	44	0
Evaluation of octadecylamine for the corrosion inhibition of Incoloy 800	Kuilya S., Subramanian V., Bera S., Rangarajan S.	Physical Sciences	Corrosion Engineering Science and Technology	2021	44	1
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., Maheshwari N.K., Bysakh S., Bo	Engineering Sciences	Corrosion Science	2021	219	2
Molten sodium corrosion of laser surface remelted yttria-stabilized zirconia thermal barrier coatings	Varghese P., Vetrivendan E., Vaishnavi Krupa B.R., Shukla P.K., Gupta R.K., Hema	Chemical Sciences	Corrosion Science	2021	219	3
Evaluation of oxidation resistant SiC-ZrB2 composite interlayer for plasma sprayed Y2O3 coating over graphite	Madhura B., Vetrivendan E., Rao C.J., Ningshen S	Chemical Sciences	Corrosion Science	2021	219	2
Personalized mechanical ventilation in acute respiratory distress syndrome	Pelosi P., Ball L., Barbas C.S.V., Bellomo R., Burns K.E.A., Einav S., Gattinoni L., La	Medical and Health Sciences	Critical Care	2021	185	15
Expert consensus statements for the management of COVID-19-related acute respiratory failure using a Delphi method	Nasa P., Azoulay E., Khanna A.K., Jain R., Gupta S., Javeri Y., Juneja D., Rangappa	Medical and Health Sciences	Critical Care	2021	185	54
Surviving Sepsis Campaign Guidelines on the Management of Adults with Coronavirus Disease 2019 (COVID-19) in the ICU: First Update	Alhazzani W., Evans L., Alshamsi F., Møller M.H., Ostermann M., Prescott H.C., A	Medical and Health Sciences	Critical Care Medicine	2021	282	133
Guanine quadruplexes and their roles in molecular processes	Mishra S., Kota S., Chaudhary R., Misra H.S.	Life Sciences	Critical Reviews in Biochemistry and Molecular Biology	2021	112	2
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	95	2
Experimental investigations on high pressure ratio cryogenic turboexpanders for helium liquefier	Jadhav M.M., Chakravarty A., Atrey M.D.	Engineering Sciences	Cryogenics	2021	63	1
An enhanced midstream design method for cryogenic turbomachinery	Jadhav M.M., Chakravarty A., Atrey M.D.	Engineering Sciences	Cryogenics	2021	63	3
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., Achary S.N., Naidu B.S.	Chemical Sciences	Crystal Growth and Design	2021	163	3
N -Arylated peptide: Troponyl residue influences the structure and conformation of N -troponylated-(di/tri)-peptides	Palai B.B., Sharma N.K.	Chemical Sciences	CrystEngComm	2021	140	2
Mapping of the electronic work function anisotropy of RF sputtered molybdenum thin film electrodes for piezoelectric devices	Sharma N., Kumar R., Jayabalan J.	Physical Sciences	Current Applied Physics	2021	91	1
A gap-junction-mediated, calcium-signaling network controls blood progenitor fate decisions in hematopoiesis	Ho K.Y.L., Khadilkar R.J., Carr R.L., Tanentzapf G.	Life Sciences	Current Biology	2021	331	1
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	Current Chemistry Letters	2021	7	0
Transcriptome Response of the Tropical Marine Yeast Yarrowia lipolytica on Exposure to Uranium	Kolhe N., Kulkarni A., Zinjarde S., Acharya C.	Life Sciences	Current Microbiology	2021	97	2
Biotransformation of phenolic acids by fusarium udum E. Butler	Vaishnav J., Variyar P.S.	Life Sciences	Current Nutrition and Food Science	2021	28	0
Organizational Strategies for Providing Cancer Palliative Care to Many	Ghoshal A., Damani A., Deodhar J., Muckaden M.A.	Medical and Health Sciences	Current Oncology Reports	2021	65	0
Airway management in the critically ill	Myatra S.N.	Medical and Health Sciences	Current Opinion in Critical Care	2021	92	3
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., Mummudi N., Iyer V., Nair A	Medical and Health Sciences	Current Problems in Cancer	2021	42	0
Selective and sensitive detection of cholesterol using intrinsic peroxidase-like activity of biogenic palladium nanoparticles	Rastogi L., Dash K., Sashidhar R.B.	Chemical Sciences	Current Research in Biotechnology	2021	9	6
Development of microwave assisted-UV digestion using diluted reagents for the determination of total nitrogen in cereals by ion chromatography	Rastogi L., Ankam D.P., Yadlapalli S., Dash K.	Chemical Sciences	Current Research in Food Science	2021	18	0
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.	Chemical Sciences;Physical Scien	Current Science	2021	124	2
All-in-one guide for preparing and publishing a bioscience manuscript	Negi P., Srivastava A.K.	Life Sciences	Current Science	2021	124	0
Transition to a low-carbon electricity mix	GROVER R.B.	Engineering Sciences	Current Science	2021	124	0
Setting electricity generation targets: some concerns	GROVER R.B.	Engineering Sciences	Current Science	2021	124	0
Experimental investigation on thermal conductivity of surfactant-less aluminium oxide (Al2O3) in water nanofluid using acoustic velocity measurements	Mukherjee S., Mishra P.C., Chaudhuri P., Chakrabarty S.	Engineering Sciences	Current Science	2021	124	0
Preclinical Studies and Clinical Prospects of Wharton's Jelly-Derived MSC for Treatment of Acute Radiation Syndrome	Bandekar M., Maurya D.K., Sharma D., Sandur S.K.	Life Sciences	Current Stem Cell Reports	2021	19	0
Antibacterial and antioxidant activities of aqueous extract of soapnuts (Sapindus mukorossi)	Kora A.J.	Life Sciences	Current Trends in Biotechnology and Pharmacy	2021	14	2
Zirconium alginate beads: A renewable source for the biosorption of fluoride from contaminated ground water	Kora A.J.	Life Sciences	Current Trends in Biotechnology and Pharmacy	2021	14	0
An uncommon diagnosis in pleural effusion cytology	Dubal S.B., Pathuthara S., Yadav S., Rekhi B.	Medical and Health Sciences	CytoJournal	2021	28	0
Immunophenotypic shift in the B-cell precursors from regenerating bone marrow samples: A critical consideration for measurable residual disease assessment in B-lymp	Chatterjee G., Sriram H., Ghogale S., Deshpande N., Khanka T., Panda D., Pradha	Medical and Health Sciences	Cytometry Part B - Clinical Cytometry	2021	63	2
Eleven-marker 10-color flow cytometric assessment of measurable residual disease for T-cell acute lymphoblastic leukemia using an approach of exclusion	Tembhare P.R., Chatterjee G., Khanka T., Ghogale S., Badrinath Y., Deshpande N.	Medical and Health Sciences	Cytometry Part B - Clinical Cytometry	2021	63	5
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 v	Vijayasekharan K., Chatterjee G., Ramanathan S., Narula G., Tembhare P., Subrar	Medical and Health Sciences	Cytometry Part B - Clinical Cytometry	2021	63	1
Mast cell differentiation of leukemic blasts in diverse myeloid neoplasms: A potential pre-myelomastocytic leukemia condition	Panda D., Chatterjee G., Khanka T., Ghogale S., Badrinath Y., Deshpande N., Sard	Medical and Health Sciences	Cytometry Part B - Clinical Cytometry	2021	63	0
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 S., Deshpande N., Badrir	Medical and Health Sciences	Cytometry Part B - Clinical Cytometry	2021	63	1
Revisiting cytomorphology, including unusual features and clinical scenarios of 8 cases of alveolar soft part sarcoma with TFE3 immunohistochemical staining in 7 cases	Rekhi B., Rao V., Ramadwar M.	Medical and Health Sciences	Cytopathology	2021	50	1
Cytomorphological features and literature review of CIC-DUX4-positive sarcoma, confirmed by reverse transcription polymerase chain reaction in a paediatric patient	Rekhi B., Kembhavi P., Mishra S.N.	Medical and Health Sciences	Cytopathology	2021	50	0
Sign changes of certain arithmetical function at prime powers	Agnihotri R., Chakraborty K.	Mathematical Sciences	Czechoslovak Mathematical Journal	2021	30	0
Defect engineering in trivalent ion doped ceria through vanadium assisted charge compensation: Insight using photoluminescence, positron annihilation and electron spi	Das D., Gupta S.K., Mohapatra M., Sudarshan K.	Chemical Sciences	Dalton Transactions	2021	193	0
The aqueous interaction of neodymium with two omni existent biomoieties-a mechanistic understanding by experimental and theoretical studies	Dumpala R.M.R., Sharma S., Boda A., Rawat N., Ali S.M.	Chemical Sciences	Dalton Transactions	2021	193	1
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., Wadawale A.P., Kedarnath G.	Chemical Sciences	Dalton Transactions	2021	193	1
Manifestation of dissimilar types of magnetism in iron- And chromium-substituted Mn2SnS4	Dash T.S., Naik S., Sheetal, Sarangi S.N., Samal D., Yadav C.S., Kaushik S.D., Sama	Physical Sciences	Dalton Transactions	2021	193	0
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 litl	Tyagi A., Karmakar G., Mandal B.P., Dutta Pathak D., Wadawale A., Kedarnath G	Chemical Sciences	Dalton Transactions	2021	193	1
Stabilization of uranyl(v) by dipicolinic acid in aqueous medium	Agarwal R., Dumpala R.M.R., Sharma M.K., Yadav A.K., Ghosh T.K.	Chemical Sciences	Dalton Transactions	2021	193	4
Influence of interstitial UO22+doping on the valence control of Eu and energy transfer to substitutional Eu3+and Sm3+in SrBPO5	Vinodkumar P., Padhi R.K., Panda S., Ramakrishna P., Panigrahi B.S.	Chemical Sciences	Dalton Transactions	2021	193	0
Rapid detection strategies for the ultra-level chemosensing of uranyl ions	Kumar R S., Venkatesan V., Bhaskar R., Kumar S.K.A., Sivaramakrishna A., Vijayal	Chemical Sciences	Dalton Transactions	2021	193	0
Bis-(1,2,4-triazin-3-yl) ligand structure driven selectivity reversal between Am3+and Cm3+: solvent extraction and DFT studies	Bhattacharyya A., Ansari S.A., Karthikeyan N.S., Ravichandran C., Venkatachalap	Chemical Sciences	Dalton Transactions	2021	193	0
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 K.	Chemical Sciences;Physical Scien	Dalton Transactions	2021	193	0
Lowest aqueous picomolar fluoride ions andin vivoaluminum toxicity detection by an aluminum(iii) binding chemosensor	Das M., Maity D., Acharya T.K., Sau S., Giri C., Goswami C., Mal P.	Chemical Sciences;Life Sciences	Dalton Transactions	2021	193	3
Degradation of mononitrotoluene by electrochemical method	Kumar R., Wagh P.B., Ingale S.V., Joshi K.D.	Physical Sciences	Defence Science Journal	2021	34	0
Apparent diffusion coefficient agreement and reliability using different region of interest methods for the evaluation of head and neck cancer post chemo-radiotherapy	Anjari M., Guha A., Burd C., Varela M., Goh V., Connor S.	Medical and Health Sciences	Dentomaxillofacial Radiology	2021	76	1
An unusual case of paediatric plasmablastic lymphoma presenting with malignant effusion and the challenges in its diagnosis	Modi N., Khurana U., Mukhopadhyay S., Joshi D., Soni D., Chaudhary N., Malik S.	Medical and Health Sciences	Diagnostic Cytopathology	2021	68	0
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	68	3
Vancomycin-Induced Changes in Host Immunity and Behavior: Comparative Genomic and Metagenomic Analysis in C57BL/6 and BALB/c Mice	Ray P., Pandey U., Das D., Aich P.	Life Sciences	Digestive Diseases and Sciences	2021	129	3
Preoperative Albumin-Globulin Ratio and Its Association with Perioperative and Long-Term Outcomes in Patients Undergoing Pancreatoduodenectomy	Shinde R., Bhandare M.S., Chaudhari V., Sarodaya V., Agarwal V., Shrikhande S.	Medical and Health Sciences	Digestive Surgery	2021	73	2
A simple numerical and analytical analysis of covid-19 progression, infection inhibition and control in various countries	Chakravarty U., Deepa C., Joshi M.P.	Physical Sciences	Disaster Advances	2021	17	0
Parameterized and exact algorithms for class domination coloring	Krithika R., Rai A., Saurabh S., Tale P.	Mathematical Sciences	Discrete Applied Mathematics	2021	87	1
Inductive graph invariants and approximation algorithms	Subramanian C.R.	Mathematical Sciences	Discrete Mathematics, Algorithms and Applications	2021	18	0
On approximating MIS over B1-VPG graphs	Lahiri A., Mukherjee J., Subramanian C.R.	Mathematical Sciences	Discrete Mathematics, Algorithms and Applications	2021	18	0
SERPINB5 Genetic Variants rs2289519 and rs2289521 are Significantly Associated with Gallbladder Cancer Risk	Mahananda B., Vinay J., Palo A., Singh A., Sahu S.K., Singh S.P., Dixit M.	Life Sciences	DNA and Cell Biology	2021	80	1
Histone and Chromatin Dynamics Facilitating DNA repair	Mohan C., Das C., Tyler J.	Life Sciences	DNA Repair	2021	120	0
In vitro comparison of pancreatic enzyme preparations available in the Indian market	Shrikhande S.V., Prasad V.G.M., Domínguez-Muñoz J.E., Weigl K.E., Sarda K.D.	Medical and Health Sciences	Drug Design, Development and Therapy	2021	71	0
Comparison of different autoanalyzers for the determination of lymphocyte and neutrophil counts in mouse blood	Gupta S.K., Gohil D., Panigrahi G.C., Vaykar S., Rane P., Chavan P., Gota V.	Life Sciences	Drug Metabolism and Personalized Therapy	2021	36	0
Pharmacokinetics of solid lipid Boswellia serrata particles in healthy subjects	Kulkarni P.D., Damle N.D., Hingorani L., Bhaskar V.H., Ghante M.R., Patil A., Gurj	Life Sciences	Drug Metabolism and Personalized Therapy	2021	36	1
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	129	2
Understanding the amyloid sensing mechanism of SYPRO Orange	Mora A.K., Nath S.	Chemical Sciences	Dyes and Pigments	2021	129	0
A study to assess the psychosocial aspects of care for cancer patients with COVID-19 at Tata Memorial Hospital, Mumbai, India	Jagdish P., Pawar M., D'souza A., Goswami S., Patil A.	Medical and Health Sciences	ecancermedicalscience	2021	37	0
Efficacy and safety of neoadjuvant chemotherapy (NACT) with paclitaxel plus carboplatin and oral metronomic chemotherapy (OMCT) in patients with technically unresec	Kashyap L., Patil V., Noronha V., Joshi A., Menon N., Jobanputra K., Saha S., Chat	Medical and Health Sciences	ecancermedicalscience	2021	37	0
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 N., Kumar A., Jain P., N	Medical and Health Sciences	ecancermedicalscience	2021	37	0
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.K., Singla A., Sali A., Shir	Medical and Health Sciences	ecancermedicalscience	2021	37	0
An observational study to evaluate factors predicting survival in patients of non-small cell lung cancer with poor performance status in resource-constrained settings	Kapoor A., Noronha V., Joshi A., Patil V.M., Menon N., Bollam R., Talreja V., Gou	Medical and Health Sciences	ecancermedicalscience	2021	37	1
Global cancer research in the era of COVID-19: A bibliometric analysis	Van Hemelrijck M., Lewison G., Fox L., Vanderpuye V.D., Murillo R., Booth C.M., (	Medical and Health Sciences	ecancermedicalscience	2021	37	6
A prospective study to determine the cost of illness for oral cancer in india	Singh A.G., Chaukar D., Gupta S., Pramesh C.S., Sullivan R., Chaturvedi P., Badwe	Medical and Health Sciences	ecancermedicalscience	2021	37	1
Differences in cancer incidence and pattern between urban and rural Nepal: One-year experience from two population-based cancer registries	Subedi R., Budukh A., Chapagain S., Gyanwali P., Gyawali B., Khadka K., Thakur C	Medical and Health Sciences	ecancermedicalscience	2021	37	2
The impact of national non-pharmaceutical interventions ('lockdowns') on the presentation of cancer patients	Purushotham A., Roberts G., Haire K., Dodkins J., Harvey-Jones E., Han L., Rigg A	Medical and Health Sciences	ecancermedicalscience	2021	37	11
Evaluation of arsenic remediation, morphological and biochemical response by Vetiveria zizanoides L. plants grown on artificially arsenic contaminated soil: A field study	Singh S., Mishra H., Suprasanna P.	Life Sciences	Ecological Engineering	2021	138	4
Managing transition to a low-carbon electricity mix in india	Grover R.B.	Engineering Sciences	Economic and Political Weekly	2021	61	0
Exploring the impacts of heavy metals on spatial variations of sediment-associated bacterial communities	Rajeev M., Sushmitha T.J., Aravindraja C., Toleti S.R., Pandian S.K.	Life Sciences	Ecotoxicology and Environmental Safety	2021	145	16
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	56	0
Nitrogen-Ion Implantation Induced Bandgap Tailoring in Multifunctional Brownmillerite KBiFe2O5	Vavilapalli D.S., Banik S., Kandasami A., Rao M.S.R., Singh S.	Physical Sciences	ECS Journal of Solid State Science and Technology	2021	56	2
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.K.	Physical Sciences	Electrochimica Acta	2021	249	1
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., Ghosh S., Maiti U.N.	Physical Sciences	Electrochimica Acta	2021	249	7
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	249	5
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., Tyagi A.K.	Chemical Sciences;Life Sciences	Electrochimica Acta	2021	249	15
Comparison of electrochemical response and electric field emission characteristics of pristine La2NiO4 and La2NiO4/CNT composites: Origin of multi-functionality with th	Karmakar S., Mistari C.D., Vaidyanathan A., More M.A., Chakraborty B., Behera D	Physical Sciences	Electrochimica Acta	2021	249	6
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	249	7
Spectrum and frequency of macro and micro mutations induced through gamma rays in traditional rice landraces of Chhattisgarh	Sao R., Sahu P.K., Mondal S., Kumar V., Sharma D., Das B.K.	Life Sciences	Electronic Journal of Plant Breeding	2021	11	0
Uttar Sona: A medium-slender grain rice variety suitable for cultivation during Boro-season	Roy B., Kumar V., Das B.K.	Life Sciences	Electronic Journal of Plant Breeding	2021	11	1
Evaluation of mutants and association studies in nonlodging clusterbean (Cyamopsis tetragonoloba (L.) Taub.) mutant lines for yield and yield attributing traits	Suresh D., Ananthan M., Vanniarajan C., Balasubramanian P., Sivakumar T., Souf	Life Sciences	Electronic Journal of Plant Breeding	2021	11	1
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., Halder A., Kumar A., Saleem M	Life Sciences	eLife	2021	161	3
Synthesis of lateral heterostructure of 2D materials for optoelectronic devices: challenges and opportunities	Kundu B., Mohanty P., Kumar P., Nayak B., Mahato B., Ranjan P., Chakraborty S.	Physical Sciences	Emergent Materials	2021	16	5
Assessment of non-steroidal anti-inflammatory drugs from selected wastewater treatment plants of Southwestern India	Praveenkumarreddy Y., Vimalkumar K., Ramaswamy B.R., Kumar V., Singhal R.K.	Chemical Sciences	Emerging Contaminants	2021	24	7
Evolution of biophysical tools for quantitative protein interactions and drug discovery	Harish M., Venkatraman P.	Life Sciences	Emerging Topics in Life Sciences	2021	21	1
Novel insights in linking solvent relaxation dynamics and protein conformations utilizing red edge excitation shift approach	Brahma R., Raghuraman H.	Life Sciences	Emerging Topics in Life Sciences	2021	21	11
Pulling the springs of a cell by single-molecule force spectroscopy	Mukherjee C., Bera M., Ainavarapu S.R.K., Sengupta K.	Life Sciences	Emerging Topics in Life Sciences	2021	21	0
Remodelling structure-based drug design using machine learning	Dutta S., Bose K.	Life Sciences	Emerging Topics in Life Sciences	2021	21	2
Comment on "energy harvesting from shadow-effect" by Q. Zhang, Q. Liang, D. K. Nandakumar, S. K. Ravi, H. Qu, L. Suresh, X. Zhang, Y. Zhang, L. Yang, A. T. S. Wee and	Das A.K., Sahu V.K., Ajimsha R.S., Misra P.	Physical Sciences	Energy and Environmental Science	2021	376	0
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., Srivastava A.P., Agarwal R., T	Chemical Sciences	Energy and Fuels	2021	198	7
Highly Porous Activated N-Doped Carbon as an Ideal Electrode Material for Capacitive Energy Storage and Physisorption of H2, CO2, and CH4	Mishra R., Prasad P.R., Panda P., Barman S.	Chemical Sciences	Energy and Fuels	2021	198	5
Co1Al2(OH)mLayered Double Hydroxide/Graphitic Carbon Nitride Composite Nanostructure: An Efficient Water Oxidation Reaction Electrocatalyst in an Alkaline Electroly	Bhowmik T., Mishra R., Barman S.	Chemical Sciences	Energy and Fuels	2021	198	3
Protective layer dissolution by chlorine and corrosion of aluminum brass condenser tubes of a nuclear power plant	Subba Rao T., Bera S.	Life Sciences;Physical Sciences	Engineering Failure Analysis	2021	82	3
Experimental investigation of scatter in fracture toughness data of SA516Gr.70 steel in the ductile-to-brittle transition regime for high rate of loading using split Hopkinso	Sharma S., Samal M.K.	Engineering Sciences	Engineering Failure Analysis	2021	82	1
Root cause analysis of the failure of the steam generator orifice assembly of a test reactor	Albert S.K., Suresh Kumar R., Kumar H., Nanda Kumar R., Toppo A., Poonguzhali	Engineering Sciences	Engineering Failure Analysis	2021	82	0
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., Ganesh Kumar J., Prasad	Engineering Sciences	Engineering Failure Analysis	2021	82	5
Effect of shear localisation on yield surface for porous metals containing ellipsoidal voids	Kumar S., Samal M.K., Singh P.K., Chattopadhyay J.	Engineering Sciences	Engineering Fracture Mechanics	2021	138	0
New J-CTOD empirical correlations for p-SPT specimens	Shikalgar T.D., Dutta B.K., Chattopadhyay J.	Engineering Sciences	Engineering Fracture Mechanics	2021	138	1
Development of wavelength-resolved 3D-inegrated TL and OSL reader system	Mishra D.R., Pal S., Bhowmick S., Paliwal L., Singh A.K., Sutar S.S., Bakshi A.K., Ka	Physical Sciences	Engineering Research Express	2021	9	0
Prediction of quality characteristics of laser drilled holes using artificial intelligence techniques	Chatterjee S., Mahapatra S.S., Bharadwaj V., Upadhyay B.N., Bindra K.S.	Physical Sciences	Engineering with Computers	2021	60	8
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	130	0
Groundwater salinization processes: pitfalls of inferences from Na+/Cl− versus Cl− correlation plots	Keesari T., Dauji S.	Chemical Sciences	Environmental Geochemistry and Health	2021	77	4
Gliding motility of a uranium-tolerant Bacteroidetes bacterium Chryseobacterium sp. strain PMSZPI: insights into the architecture of spreading colonies	Khare D., Chandwadkar P., Acharya C.	Life Sciences	Environmental Microbiology Reports	2021	75	0
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., Sengupta P., Sapra B.K.	Engineering Sciences;Physical Sci	Environmental Monitoring and Assessment	2021	122	1

Decision tree for estimating groundwater contaminant through proxies considering seasonality and soil saturation	Dauji S., Keesari T.	Chemical Sciences	Environmental Monitoring and Assessment	2021	122	0
Response of green mussels (Perna viridis) subjected to chlorination: investigations by valve movement monitoring	Venkatnarayanan S., Murthy P.S., Kirubagaran R., Veeramani P., Venugopalan V.	Life Sciences	Environmental Monitoring and Assessment	2021	122	1
Spatial and seasonal variations in coastal water characteristics at Kalpakkam, western Bay of Bengal, Southeast India: a multivariate statistical approach	Mohanty A.K., Sathishkumar R.S., Sahu G., Suriyaprakash R., Arunachalam K.D., '	Physical Sciences	Environmental Monitoring and Assessment	2021	122	1
Adsorption of uranium by diethylenetriamine functionalized magnetic mesoporous silica	Amesh P., Venkatesan K.A., Suneesh A.S., Gupta D.K., Ravindran T.R.	Chemical Sciences;Physical Scien	Environmental Nanotechnology, Monitoring and Manager	2021	36	1
Removal of methyl orange from aqueous solution using SRB supported Bio-Pd/Fe NPs	Kubendiran H., Hui D., Pulimi M., Chandrasekaran N., Murthy P.S., Mukherjee A.	Life Sciences	Environmental Nanotechnology, Monitoring and Manager	2021	36	2
Mechanism of thorium-nitrate and thorium-dioxide induced cytotoxicity in normal human lung epithelial cells (WI26): Role of oxidative stress, HSPs and DNA damage	Das S.K., Ali M., Shetake N.G., Dumpala R.M.R., Pandey B.N., Kumar A.	Life Sciences	Environmental Pollution	2021	249	2
Chemical intervention for enhancing growth and reducing grain arsenic accumulation in rice	Srivastava A.K., Pandey M., Ghate T., Kumar V., Upadhyay M.K., Majumdar A., Sa	Chemical Sciences;Life Sciences	Environmental Pollution	2021	249	5
Trichoderma-mediated rice straw compost promotes plant growth and imparts stress tolerance	Sarangi S., Swain H., Adak T., Bhattacharyya P., Mukherjee A.K., Kumar G., Mehe	Life Sciences	Environmental Science and Pollution Research	2021	132	2
Fluoride contamination in and around selected geothermal sites in Odisha, Eastern India: assessment of ionic relations, fluoride exposure and remediation	Maitra A., Keesari T., Roy A., Gupta S.	Chemical Sciences	Environmental Science and Pollution Research	2021	132	2
Binary blended fly ash concrete with improved chemical resistance in natural and industrial environments	Harilal M., George R.P., Philip J., Albert S.K.	Engineering Sciences;Physical Sci	Environmental Science and Pollution Research	2021	132	3
Polydimethylsiloxane–graphene oxide nanocomposite coatings with improved anti-corrosion and anti-biofouling properties	Balakrishnan A., Jena G., Pongachira George R., Philip J.	Physical Sciences	Environmental Science and Pollution Research	2021	132	6
Inducing non-stoichiometry in nano-hydroxyapatite for ultra-fast sequestration of uranyl ions in water: Mechanism delineation using XAS	Rout S., Khandelwal N., Poswal A.K., Pulhani V., Kumar A.V.	Chemical Sciences;Engineering Sc	Environmental Science: Nano	2021	79	3
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 U.K., Surampalli R.Y., Zl	Chemical Sciences	Environmental Technology and Innovation	2021	41	1
Exposure to NaCl enhances Cd2＋ biosorption potential of Sesuvium portulacastrum (L.)	Kulkarni J., Parab H., Srivastava A.K., Nikam T.D., Kumar S.D., Borde M., Suprasa	Life Sciences	Environmental Technology and Innovation	2021	41	2
Alkaliphilic bacteria retrieved from uranium mining effluent: Characterization, U sequestration and remediation potential	Banala U.K., Das N.P.I., Padhi R.K., Toleti S.R.	Life Sciences	Environmental Technology and Innovation	2021	41	1
Microbial interactions with uranium: Towards an effective bioremediation approach	Banala U.K., Das N.P.I., Toleti S.R.	Life Sciences	Environmental Technology and Innovation	2021	41	15
Mpemba effect in an anisotropically driven granular gas	Biswas A., Prasad V.V., Rajesh R.	Physical Sciences	EPL	2021	162	3
Observation of Dirac-like surface state bands on the top surface of BiSe	Lohani H., Majhi K., Ganesan R., Gonzalez S., Di Santo G., Petaccia L., Anil Kumar	Physical Sciences	EPL	2021	162	0
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., Nanda B.R.K., Samal D.	Physical Sciences	EPL	2021	162	2
Designing reversible multi-level resistance states in a half-doped manganite	Banik S., Das K., Pradhan K., Das I.	Physical Sciences	EPL	2021	162	0
Identification of major consensus and epistatic QTLs for late leaf spot resistance in a cultivated groundnut breeding line VG 9514	Mondal S., Motagi B.N., Badigannavar A.M.	Life Sciences	Euphytica	2021	110	0
Concurrent chemoradiotherapy for locally advanced unresectable adenoid cystic carcinoma of head and neck: experience from a single institute	Swain M., Ghosh-Laskar S., Budrukkar A., Patil R., Murthy V., Gupta T., Mummuc	Medical and Health Sciences	European Archives of Oto-Rhino-Laryngology	2021	76	1
Narrow band imaging observed oral mucosa microvasculature as a tool to detect early oral cancer: an Indian experience	Nair D., Qayyumi B., Sharin F., Mair M., Bal M., Pimple S., Mishra G., Nair S., Cha	Medical and Health Sciences	European Archives of Oto-Rhino-Laryngology	2021	76	1
Do palliative embolization in unresectable, unsalvageable recurrent and metastatic head and neck cancer patients help?	Shetty N., Menon N., Thiagarajan S., Sawhney S., Kulkarni S., Chaukar D.	Medical and Health Sciences	European Archives of Oto-Rhino-Laryngology	2021	76	0
Results of pretreatment swallowing evaluation in patients with stage III/IV laryngeal and hypopharyngeal carcinoma	Balaji A., Thiagarajan S., Mallik A., Menon N., Chakraborthy A., Chaukar D.	Medical and Health Sciences	European Archives of Oto-Rhino-Laryngology	2021	76	0
The effects of short term hyperglycemia 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	83	0
Synthesis, Structure, Photophysics, and Singlet Oxygen Sensitization by a Platinum(II) Complex of Meso-Tetra-Acenaphthyl Porphyrin	Garai A., Villa M., Marchini M., Patra S.K., Pain T., Mondal S., Ceroni P., Kar S.	Chemical Sciences	European Journal of Inorganic Chemistry	2021	139	0
Conjugated Bis-Guanidines (CBGs) as Î²-Diketimine Analogues: Synthesis, Characterization of CBGs/Their Lithium Salts and CBG Li Catalyzed Addition of Bâˆ'H and TMSCN	Peddarao T., Baishya A., Sarkar N., Acharya R., Nembenna S.	Chemical Sciences;Life Sciences	European Journal of Inorganic Chemistry	2021	139	4
Effect of structural variation on tumor targeting efficacy of cationically charged porphyrin derivatives: Comparative in-vitro and in-vivo evaluation for possible potential in	Guleria M., Suman S.K., Mitra J.B., Shelar S.B., Amirdhanayagam J., Sarma H.D.,	Chemical Sciences	European Journal of Medicinal Chemistry	2021	139	2
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., Chaudhari V., Talole S.,	Medical and Health Sciences	European Journal of Nuclear Medicine and Molecular Imag	2021	168	5
Gallbladder malakoplakia masquerading as malignant primary on 18F-FDG PET/CT	Bedmutha A.S., Agrawal A., Suthar R.R., Agrawal T., Purandare N., Shah S., Purar	Medical and Health Sciences	European Journal of Nuclear Medicine and Molecular Imag	2021	168	1
Serous endometrial intraepithelial carcinoma: A clinico-pathological study of 48 cases and its association with endometrial polyps – A tertiary care oncology centre exper	Yadav S., Agarwal A., Mokal S., Menon S., Rekhi B., Deodhar K.	Medical and Health Sciences	European Journal of Obstetrics and Gynecology and Repro	2021	104	1
N-Confused Pyritriphyrin: A New Class of Triphyrin and Its Calixphyrin Analogue	Das M., Singh D., Chitranshi S., Murugavel M., Srinivasan A.	Chemical Sciences	European Journal of Organic Chemistry	2021	162	0
Feasibility of Nonanatomical Liver Resection in Diligently Selected Patients with Hepatoblastoma and Comparison of Outcomes with Anatomic Resection	Qureshi S.S., Kembhavi S.A., Kazi M., Smriti V., Baheti A., Vora T., Chinnaswamy (	Medical and Health Sciences	European Journal of Pediatric Surgery	2021	49	1
Bound state eigenvalues from transmission coefficients	Ahmed Z., Bhattacharya K.	Physical Sciences	European Journal of Physics	2021	51	0
Depth of invasion in early oral cancers- is it an independent prognostic factor?	D'Cruz A.K., Dhar H., Vaish R., Hawaldar R., Gupta S., Pantvaidya G., Chaukar D.,	Life Sciences;Medical and Health	European Journal of Surgical Oncology	2021	103	1
Addressing the contralateral neck for ipsilateral disease recurrence in oral cavity cancers	Rajendra Singhavi H., Nair S., Mair M., Mathur R., Singh A., Pai A., Patil A., Nair D	Medical and Health Sciences	European Journal of Surgical Oncology	2021	103	0
Learning curve analysis for lateral pelvic lymph node dissection in rectal cancers – Outcomes improve with experience	Sukumar V., Kazi M., Gori J., Ankathi S.K., Baheti A., Ostwal V., Desouza A., Sakla	Medical and Health Sciences	European Journal of Surgical Oncology	2021	103	0
Neutron transfer in 9Be + 159Tb system	Kaushik M., Gupta G., Parkar V.V., Pandit S.K., Thakur S., Nanal V., Shrivastava A.	Physical Sciences	European Physical Journal A	2021	22	0
Study of excitation functions and insights into the reaction mechanisms of 6 Li fusion in Cu	Kumar R., Maiti M., Sarkar G., Sagwal M., Kaur P., Prajapat R., Nag T.N., Sodaye S	Chemical Sciences	European Physical Journal A	2021	22	1
The potential of Λ and Ξ- studies with PANDA at FAIR	Barucca G., Davì F., Lancioni G., Mengucci P., Montalto L., Natali P.P., Paone N., I	Physical Sciences	European Physical Journal A	2021	22	2
Feasibility studies for the measurement of time-like proton electromagnetic form factors from p¯ p→ μ+μ- at P ¯ ANDA at FAIR	Barucca G., Davì F., Lancioni G., Mengucci P., Montalto L., Natali P.P., Paone N., I	Physical Sciences	European Physical Journal A	2021	22	2
Search for the Hoyle analogue state in 16 O	Manna S., Rana T.K., Bhattacharya C., Kundu S., Pandey R., Banerjee K., Roy P., S	Engineering Sciences;Physical Sci	European Physical Journal A	2021	22	0
Dynamical spectral structure of density fluctuation near the QCD critical point	Hasanujjaman M., Sarwar G., Rahaman M., Bhattacharyya A., Alam J.-E.	Physical Sciences	European Physical Journal A	2021	22	1
Study of QCD dynamics using small systems	Deb S., Sarwar G., Sahoo R., Alam J.-E.	Physical Sciences	European Physical Journal A	2021	22	1
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 Y.-G.	Physical Sciences	European Physical Journal A	2021	22	2
Nuclear level density and thermal properties of 115Sn from neutron evaporation	Roy P., Banerjee K., Rana T.K., Kundu S., Pandit D., Hung N.Q., Ghosh T.K., Mukh	Engineering Sciences;Physical Sci	European Physical Journal A	2021	22	1
Nematic-like band splitting and crystal field splitting in newly discovered hybrid 12442 iron-based superconductors	Ghosh A., Ghosh S., Ghosh H.	Physical Sciences	European Physical Journal B	2021	130	1
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., Chatterjee S., Dragicevic I	Physical Sciences	European Physical Journal C	2021	183	6
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., Dragicevic M., Erö J., Valle A	Physical Sciences	European Physical Journal C	2021	183	0
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., Bergauer T., Chatterjee	Physical Sciences	European Physical Journal C	2021	183	32
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., Dragicevic M., Erö J., Valle A	Physical Sciences	European Physical Journal C	2021	183	2
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., Bergauer T., Chatterjee	Physical Sciences	European Physical Journal C	2021	183	4
MUSiC: a model-unspecific search for new physics in proton–proton collisions at √s=13TeV	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Dragicevic M., E	Physical Sciences	European Physical Journal C	2021	183	9
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., Bergauer T., Chatterjee	Physical Sciences	European Physical Journal C	2021	183	17
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 Jour	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brand	Physical Sciences	European Physical Journal C	2021	183	0
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., Dragicevic M., Erö J., Valle A	Physical Sciences	European Physical Journal C	2021	183	18
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,	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Erö J., Valle A	Physical Sciences	European Physical Journal C	2021	183	3
Development and validation of HERWIG 7 tunes from CMS underlying-event measurements	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Dragicevic M., E	Physical Sciences	European Physical Journal C	2021	183	7
Search for dark matter produced in association with a leptonically decaying Z boson in proton–proton collisions at √s=13Te	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Erö J., Del Va	Physical Sciences	European Physical Journal C	2021	183	12
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., Bergauer T., Dragicevic M., E	Physical Sciences	European Physical Journal C	2021	183	13
Improving heavy dijet resonance searches using jet substructure at the LHC	Nayak A.K., Rai S.K., Samui T.	Physical Sciences	European Physical Journal C	2021	183	0
Rapidity distribution at soft-virtual and beyond for n-colorless particles to N 4 LO in QCD	Ahmed T., Ajjath A.H., Mukherjee P., Ravindran V., Sankar A.	Physical Sciences	European Physical Journal C	2021	183	1
Gravitationally induced entanglement dynamics between two quantum walkers	Badhani H., Chandrashekar C.M.	Physical Sciences	European Physical Journal C	2021	183	0
Inclusive J / ψ production at midrapidity in pp collisions at √s=13 TeV	Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Aha	Physical Sciences	European Physical Journal C	2021	183	1
Charged-particle multiplicity fluctuations in Pb–Pb collisions at √sNN = 2.76 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agr	Physical Sciences	European Physical Journal C	2021	183	1
KS0 - and (anti-) Λ -hadron correlations in pp collisions at √s=13 TeV	Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Aha	Physical Sciences	European Physical Journal C	2021	183	0
Energy dependence of ϕ meson production at forward rapidity in pp collisions at the LHC	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agr	Physical Sciences	European Physical Journal C	2021	183	1
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 M.M., Agha S., Aglieri F	Physical Sciences	European Physical Journal C	2021	183	3
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 Rinella G., Agnello M., Agr	Physical Sciences	European Physical Journal C	2021	183	6
Production of light-flavor hadrons in pp collisions at √s=7and√s=13TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M.M., Rinella G.A., Agr	Physical Sciences	European Physical Journal C	2021	183	9
Coherent J / Ïˆ and Ïˆ â€² photoproduction at midrapidity in ultra-peripheral Pbâ€"Pb collisions at âˆšsNN=5.02 TeV	Acharya S., AdamovÃ¡ D., Adler A., Adolfsson J., Rinella G.A., Agnello M., Agrawa	Physical Sciences	European Physical Journal C	2021	183	4
Fireball tomography from bottomonia elliptic flow in relativistic heavy-ion collisions	Bhaduri P.P., Alqahtani M., Borghini N., Jaiswal A., Strickland M.	Physical Sciences	European Physical Journal C	2021	183	1
Relating the curvature of De Sitter universe to open quantum Lamb shift spectroscopy	Bohra H., Choudhury S., Chauhan P., Narayan P., Panda S., Swain A.	Physical Sciences	European Physical Journal C	2021	183	3
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	183	6
Electron collision with N 2H and HCO	Modak P., Singh A., Goswami B., Antony B.	Physical Sciences	European Physical Journal D	2021	22	1
Different atom trapping geometries with time averaged adiabatic potentials	Sarkar S., Ram S.P., Tiwari V.B., Mishra S.R.	Physical Sciences	European Physical Journal D	2021	22	0
Electron capture nuclear decay rate under compression in a confined environment	Ray A., Das P., Sikdar A.K., Pathak S., Aquino N., Lozano-Espinosa M., Artemyev /	Physical Sciences	European Physical Journal D	2021	22	0
New measurement of residues from 12 C+ 93 Nb by the activation technique: a closer look at the reaction mechanisms	Sagwal M., Maiti M., Nag T.N., Sodaye S.	Chemical Sciences	European Physical Journal Plus	2021	67	1
Observation of A1g mode at the edges of MoS2 and its applications	Dam S., Thakur A., Hussain S., Chandra Shekar N.V., Amarendra G.	Physical Sciences	European Physical Journal Plus	2021	67	0
Centrality, transverse momentum and collision energy dependence of the Tsallis parameters in relativistic heavy-ion collisions	Nath Patra R., Mohanty B., Nayak T.K.	Physical Sciences	European Physical Journal Plus	2021	67	3
Numerical evaluation of a muon tomography system for imaging defects in concrete structures	Tripathy S., Datta J., Majumdar N., Mukhopadhyay S.	Physical Sciences	European Physical Journal Plus	2021	67	0
Universal relationship for magnetized white dwarfs	Roy S.K., Mukhopadhyay S., Basu D.N.	Engineering Sciences	European Physical Journal Plus	2021	67	1
Models of accelerating universe in supergravity and string theory	Dutta K., Maharana A.	Physical Sciences	European Physical Journal: Special Topics	2021	80	2
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	80	1
On the resonance absorption in laser-driven deuterium cluster	Mahalik S.S., Kundu M.	Physical Sciences	European Physical Journal: Special Topics	2021	80	2
New developments in relativistic fluid dynamics with spin	Bhadury S., Bhatt J., Jaiswal A., Kumar A.	Physical Sciences	European Physical Journal: Special Topics	2021	80	8
Constraining nuclear matter parameters from correlation systematics: a mean-field perspective	Agrawal B.K., Malik T., De J.N., Samaddar S.K.	Physical Sciences	European Physical Journal: Special Topics	2021	80	4
Physics of strongly interacting matter at high net-baryon density	Chattopadhyay S.	Physical Sciences	European Physical Journal: Special Topics	2021	80	2
Giant cell tumors of the sacrum: is non-operative treatment effective?	Puri A., Gupta S.M., Gulia A., Shetty N., Laskar S.	Medical and Health Sciences	European Spine Journal	2021	145	5
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., Tiwari N.K., Adalja H.L	Physical Sciences	Experimental Astronomy	2021	45	2
Transient thermal characteristics of submerged vertical heater under seismic excitation	Chauhan S.P., Kumar N., Chandraker D.K.	Engineering Sciences	Experimental Heat Transfer	2021	36	2
Metallic nanoparticles as drug delivery system for the treatment of cancer	Neha Desai, Momin M., Khan T., Gharat S., Ningthoujam R.S., Omri A.	Chemical Sciences	Expert Opinion on Drug Delivery	2021	116	12
Advances in pharmacotherapy for head and neck cancer	kumar S., Noronha V., Patil V., Joshi A., Menon N., Prabhash K.	Medical and Health Sciences	Expert Opinion on Pharmacotherapy	2021	83	1
Overcoming the challenges of treating hemophilia in resource-limited nations: a focus on medication access and adherence	Ghosh K., Ghosh K.	Medical and Health Sciences	Expert Review of Hematology	2021	43	1
Dacomitinib as first-line treatment for EGFR mutation-positive non-small cell lung cancer	Reungwetwattana T., Rohatgi N., Mok T.S., Prabhash K.	Medical and Health Sciences	Expert Review of Precision Medicine and Drug Developme	2021	12	0
Hereditary medullary thyroid carcinoma syndromes: experience from western India	Diwaker C., Sarathi V., Jaiswal S.K., Shah R., Deshmukh A., Thomas A.E., Prakash	Medical and Health Sciences	Familial Cancer	2021	62	0
TCF19 and p53 regulate transcription of TIGAR and SCO2 in HCC for mitochondrial energy metabolism and stress adaptation	Mondal P., Gadad S.S., Adhikari S., Ramos E.I., Sen S., Prasad P., Das C.	Life Sciences	FASEB Journal	2021	287	2
Fracture toughness behavior of dissimilar metal (SA508 Gr.3 Class 1 and SA312 Type 304LN) weld joint: With and without stress relieving treatment	Kumar S., Kale R.P., Singh P.K., Ghosh M., Chattopadhyay J.	Engineering Sciences	Fatigue and Fracture of Engineering Materials and Structu	2021	88	0
Integrated transcriptomic and proteomic analysis of microplasts derived from macrophage-conditioned medium-treated MCF-7 breast cancer cells	Melwani P.K., Balla M.M.S., Nishad S., Padwal M., Chaurasia R.K., Basu B., Ghosh	Life Sciences	FEBS Letters	2021	266	0
Disruption of desmosome function leads to increased centrosome clustering in 14-3-3γ-knockout cells with supernumerary centrosomes	Tilwani S., Gandhi K., Narayan S., Ainavarapu S.R.K., Dalal S.N.	Life Sciences	FEBS Letters	2021	266	0
Effect of gamma irradiation on microbial safety and functionality of value added ambient storable pulp product from Java Plum	Saxena S., Kumar J., Gupta S., Gautam S.	Life Sciences	Food Bioscience	2021	40	0
The starch-rich diet causes lipidemia while the fat-rich diet induces visceral adiposity, meta-inflammation, and insulin resistance differentially in immune biased mouse st	Mukherjee R., Aich P.	Life Sciences;Mathematical Scien	Food Bioscience	2021	40	1
Strong multiplicity one for Siegel cusp forms of degree two	Kumar A., Meher J., Shankhadhar K.D.	Mathematical Sciences	Forum Mathematicum	2021	35	0
3,3′-Diselenodipropionic acid (DSePA) induces reductive stress in A549 cells triggering p53-independent apoptosis: A novel mechanism for diselenides	Gandhi V.V., Gandhi K.A., Kumbhare L.B., Goda J.S., Gota V., Priyadarsini K.I., Ku	Chemical Sciences;Life Sciences;M	Free Radical Biology and Medicine	2021	277	3
Chemical and biological basis for development of novel radioprotective drugs for cancer therapy	Checker R., Patwardhan R.S., Jayakumar S., Maurya D.K., Bandekar M., Sharma D	Life Sciences	Free Radical Research	2021	126	3
Redox reactions of organoselenium compounds: Implication in their biological activity	Singh B.G., Kunwar A.	Chemical Sciences	Free Radical Research	2021	126	2
Activation of DNA damage response signaling in mammalian cells by ionizing radiation	Ghosh S., Ghosh A.	Life Sciences	Free Radical Research	2021	126	6
Iron modulatory property of a polysaccharide from Indian medicinal plant Ocimum sanctum	Subramanian M., Chintalwar G.J., Chattopadhyay S.	Mathematical Sciences	Free Radical Research	2021	126	0
EMT imparts cancer stemness and plasticity: new perspectives and therapeutic potential	Roy S., Sunkara R.R., Parmar M.Y., Shaikh S., Waghmare S.K.	Life Sciences	Frontiers in Bioscience - Landmark	2021	149	5
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	149	2
ERK1/2-EGR1-SRSF10 Axis Mediated Alternative Splicing Plays a Critical Role in Head and Neck Cancer	Yadav S., Pant D., Samaiya A., Kalra N., Gupta S., Shukla S.	Medical and Health Sciences	Frontiers in Cell and Developmental Biology	2021	149	1
EpCAM-Mediated Cellular Plasticity Promotes Radiation Resistance and Metastasis in Breast Cancer	Mal A., Bukhari A.B., Singh R.K., Kapoor A., Barai A., Deshpande I., Wadasadawa	Life Sciences;Medical and Health	Frontiers in Cell and Developmental Biology	2021	149	5
Triple Water Vapour–Isotopologues Record from Chhota Shigri, Western Himalaya, India: A Unified Interpretation based on δ17O, δ18O, δD and Comparison to Meteorc	Ranjan S., Ramanathan A.L., Keesari T., Singh V.B., Kumar N., Pandey M., Leuenb	Chemical Sciences	Frontiers in Earth Science	2021	35	4
Effects of Meditation on Structural Changes of the Brain in Patients With Mild Cognitive Impairment or Alzheimer's Disease Dementia	Dwivedi M., Dubey N., Pansari A.J., Bapi R.S., Das M., Guha M., Banerjee R., Prar	Life Sciences	Frontiers in Human Neuroscience	2021	128	0
Theranostic Terbium Radioisotopes: Challenges in Production for Clinical Application	Naskar N., Lahiri S.	Chemical Sciences	Frontiers in Medicine	2021	54	11
Seed Biopriming With Trichoderma Strains Isolated From Tree Bark Improves Plant Growth, Antioxidative Defense System in Rice and Enhance Straw Degradation Capaci	Swain H., Adak T., Mukherjee A.K., Sarangi S., Samal P., Khandual A., Jena R., Bha	Life Sciences	Frontiers in Microbiology	2021	166	6
Decoding the Structural Dynamics and Conformational Alternations of DNA Secondary Structures by Single-Molecule FRET Microspectroscopy	Bandyopadhyay D., Mishra P.P.	Chemical Sciences	Frontiers in Molecular Biosciences	2021	49	0
Demographics, Pattern of Care, and Outcome Analysis of Malignant Melanomas - Experience From a Tertiary Cancer Centre in India	Bajpai J., Abraham G., Saklani A.P., Agarwal A., Das S., Chatterjee A., Kapoor A.,	Life Sciences;Medical and Health	Frontiers in Oncology	2021	102	0
Multiple Reaction Monitoring-Based Targeted Assays for the Validation of Protein Biomarkers in Brain Tumors	Ghantasala S., Pai M.G.J., Biswas D., Gahoi N., Mukherjee S., KP M., Nissa M.U.,	Medical and Health Sciences	Frontiers in Oncology	2021	102	2
Network-centric Indicators for Fragility in Global Financial Indices	Samal A., Kumar S., Yadav Y., Chakraborti A.	Life Sciences	Frontiers in Physics	2021	39	1
Secondary Radiation in Ion Therapy and Theranostics: A Review	Nandy M.	Physical Sciences	Frontiers in Physics	2021	39	0
Morpho-Physiological Traits and Functional Markers Based Molecular Dissection of Heat-Tolerance in Urdbean	Sen Gupta D., Basu P.S., Souframanien J., Kumar J., Dhanasekar P., Gupta S., Par	Life Sciences	Frontiers in Plant Science	2021	155	0
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 M., Sullivan R., Vander	Medical and Health Sciences	Frontiers in Public Health	2021	64	0
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., Mahata T.	Chemical Sciences;Engineering Sc	Fusion Engineering and Design	2021	84	0
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., Tiwari V., Rajan S., Malh	Physical Sciences	Fusion Engineering and Design	2021	84	0
A diagnostic for measuring radial profile of visible continuum radiation from ADITYA-U Tokamak Plasmas	Chowdhuri M.B., Manchanda R., Ghosh J., Yadava N., Patel K., Ramaiya N., Patel	Engineering Sciences;Physical Sci	Fusion Engineering and Design	2021	84	1
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.K., Dixit H.V.	Physical Sciences	Fusion Engineering and Design	2021	84	0
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., Chaudhuri P.	Engineering Sciences;Physical Sci	Fusion Engineering and Design	2021	84	0
Measurement of effective thermal conductivity of lithium metatitanate pebble beds by steady-state radial heat flow method	Panchal M., Lambade V., Kanpariya V., Patel H., Chaudhuri P.	Engineering Sciences	Fusion Engineering and Design	2021	84	0
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	84	1
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	84	0
Simultaneous measurement of effective thermal conductivity and effective thermal diffusivity of Li2TiO3 pebble bed using transient hot-wire technique	Patel H., Panchal M., Saraswat A., Patel N., Chaudhuri P.	Engineering Sciences	Fusion Engineering and Design	2021	84	1
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 M., Kumar R., Pedada P.	Engineering Sciences	Fusion Engineering and Design	2021	84	0
Li2TiO3 pebble fabrication by freeze granulation & freeze drying method	Shrivastava A., Kumar T., Shukla R., Chaudhuri P.	Engineering Sciences	Fusion Engineering and Design	2021	84	1
Optimization of the metallic vessel-wall effect on the magnetic diagnostics calibration in ADITYA-U tokamak	Kumar R., Aich S., Tanna R.L., Edappala P., Kumari P., Jha S.K., Macwan T., Kuma	Engineering Sciences;Physical Sci	Fusion Engineering and Design	2021	84	2
Design updates for helium cooling system of Indian LLCB blanket	Yadav B.K., Sandeep K.T., Gandhi A., Saraswat A., Sharma D., Chaudhuri P.	Engineering Sciences;Physical Sci	Fusion Engineering and Design	2021	84	0
Effect of porosity on thermal conductivity of Li2TiO3 ceramic compact	Shrivastava A., Shukla R., Chaudhuri P.	Engineering Sciences	Fusion Engineering and Design	2021	84	4
Characterisation of induced vessel current during Mirnov probe calibration experiment in ADITYA-U tokamak	Kumar R., Ghosh J., Tanna R.L., Aich S., Macwan T., Jha S.K., ADITYA-U Team	Engineering Sciences;Physical Sci	Fusion Engineering and Design	2021	84	2
Real-time feedback control system for ADITYA-U horizontal plasma position stabilisation	Kumar R., Gautam P., Gupta S., Tanna R.L., Edappala P., Shah M., Raulji V., Jadej	Engineering Sciences;Physical Sci	Fusion Engineering and Design	2021	84	4
Radioactivation analysis of 14 MeV neutron generator facility	Swami H.L., Vala S., Abhangi M., Kumar R., Danani C., Kumar R., Srinivasan R.	Engineering Sciences	Fusion Engineering and Design	2021	84	1
Experimental Investigation of Thermal Properties of Materials Used to Develop Cryopump	Gangradey R., Mishra J., Mukherjee S., Nayak P., Panchal P., Agarwal J., Gupta V.	Medical and Health Sciences;Phy	Fusion Science and Technology	2021	84	1
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	84	0
Dedifferentiated chondrosarcoma: current standards of care	Kattepur A.K., Jones R.L., Gulia A.	Medical and Health Sciences	Future Oncology	2021	77	0
Desmoid fibromatosis: Is the current picture changing?	Pandrowala S., Jones R.L., Gupta S., Gulia A.	Medical and Health Sciences	Future Oncology	2021	77	1
Extraskeletal osteosarcomas: Current update	Kattepur A.K., Gulia A., Jones R.L., Rastogi S.	Medical and Health Sciences	Future Oncology	2021	77	1
Rec(F/O/R) proteins of the nitrogen-fixing cyanobacterium Nostoc PCC7120: In silico and expression analysis	Pandey S., Kumar A., Kirti A., Gupta G.D., Rajaram H.	Life Sciences	Gene	2021	181	1
DNA repair pathways important for the survival of Escherichia coli to hydrogen peroxide mediated killing	Dhawale A., Bindal G., Rath D., Rath A.	Life Sciences	Gene	2021	181	2
Landscape of toll-like receptors expression in tumor microenvironment of triple negative breast cancer (TNBC): Distinct roles of TLR4 and TLR8	Roychowdhury A., Jondhale M., Saldanha E., Ghosh D., Kumar Panda C., Chandra	Medical and Health Sciences	Gene	2021	181	4
Amyloid precursor protein intra-cellular domain (AICD), Aβ and their confounding synergistic effects differentially regulate the degradome of cellular models of Alzheime	Chanda K., Laha S., Chatterjee R., Mukhopadhyay D.	Life Sciences	Gene Reports	2021	13	2
14–3-3γ prevents centrosome duplication by inhibiting NPM1 function	Bose A., Modi K., Dey S., Dalvi S., Nadkarni P., Sudarshan M., Kundu T.K., Venkat	Life Sciences	Genes to Cells	2021	7	3
SNP genotyping and diversity analysis based on genic-SNPs through high resolution melting (HRM) analysis in blackgram [Vigna mungo (L.) Hepper]	Raizada A., Souframanien J.	Life Sciences	Genetic Resources and Crop Evolution	2021	69	0
Molecular characterization of a novel mutation in the E1 flowering gene induced by gamma irradiation in soybean	Rani A., Kumar V., Shukla S., Manjaya J.G.	Life Sciences	Genome	2021	305	0
Orc4 spatiotemporally stabilizes centromeric chromatin	Sreekumar L., Kumari K., Guin K., Bakshi A., Varshney N., Thimmappa B.C., Narlik	Life Sciences	Genome Research	2021	305	1
Dynamic behaviour of a piled raft resting on saturated Kasai River sand	Banerjee R., Chattaraj R., Sengupta A., Parulekar Y.M.	Engineering Sciences	Geomechanics and Geoengineering	2021	31	0
Estimation of vibration parameter for blast based on shear strength	Kumar R., Yerunkar P.P., Bhargava K.	Engineering Sciences	Geotechnical Engineering	2021	164	0
Unfolding the rarity of SMARCA4 deficient uterine sarcoma (SDUS): A case report	Baa A.K., Rastogi S., Tripathy S., Shamim S.A., Menon S.	Medical and Health Sciences	Gynecologic Oncology Reports	2021	173	0
Comparative study of functional outcomes following surgical treatment of early tongue cancer	Pai P., Tuljapurkar V., Balaji A., Mishra A., Chopda P., Agarwal S., Bachher G.K.	Medical and Health Sciences	Head and Neck	2021	56	0
Correlation of transcriptionally active human papillomavirus status with the clinical and molecular profiles of head and neck squamous cell carcinomas	Patel U., Mittal N., Rane S.U., Patil A., Gera P., Kannan S., Joshi A., Noronha V., P	Life Sciences;Medical and Health	Head and Neck	2021	56	0
Preoperative prediction of parathyroid carcinoma in an Asian Indian cohort	Shah R., Gosavi V., Mahajan A., Sonawane S., Hira P., Kurki V., Bal M., Sathe P., P	Medical and Health Sciences	Head and Neck	2021	56	3
Intensity-modulated radiation therapy for nasal cavity and paranasal sinus tumors: Experience from a single institute	Laskar S.G., Pai P., Sinha S., Budrukkar A., Nair D., Swain M., Mummudi N., Gupta	Medical and Health Sciences	Head and Neck	2021	56	2
Implications of limited exolaryngeal disease and cricoarytenoid joint involvement in organ conservation protocols for laryngopharyngeal cancers: Results from a prospect	Sinha S., Agarwal J.P., Mahajan A., Chaturvedi P., Balaji A., Juvekar S., Gupta T., E	Medical and Health Sciences	Head and Neck	2021	56	1

Papillary and Medullary Thyroid Carcinomas Presenting as Collision Tumors: A Case Series of 21 Cases at a Tertiary Care Cancer Center	Thomas A., Mittal N., Rane S.U., Bal M., Patil A., Ankathi S.K., Vaish R.	Medical and Health Sciences	Head and Neck Pathology	2021	56	1
Parathyroid Carcinoma: A Single-Institution Experience with an Emphasis on Histopathological Features	Sali A.P., Motghare P., Bal M., Mittal N., Rane S., Kane S., Patil A.	Medical and Health Sciences	Head and Neck Pathology	2021	56	3
Neuroendocrine Neoplasms of the Larynx: A Clinicopathologic Analysis of 27 Neuroendocrine Tumors and Neuroendocrine Carcinomas	Bal M., Sharma A., Rane S.U., Mittal N., Chaukar D., Prabhash K., Patil A.	Medical and Health Sciences	Head and Neck Pathology	2021	56	2
Ossifying Fibromas of the Head and Neck Region: A Clinicopathological Study of 45 Cases	Nagar S.R., Mittal N., Rane S.U., Bal M., Patil A., Ankathi S.K., Thiagarajan S.	Medical and Health Sciences	Head and Neck Pathology	2021	56	0
Carcinoma Cuniculatum of the Oral Cavity: A Series of 6 Cases and Review of Literature	Yadav S., Bal M., Rane S., Mittal N., Janu A., Patil A.	Medical and Health Sciences	Head and Neck Pathology	2021	56	4
Secondary prevention of silicosis and silico-tuberculosis by periodic screening of silica dust exposed workers using serum club cell protein 16 as a proxy marker	Sarkar K., Dhatrak S., Sarkar B., Ojha U.C., Raghav P., Pagdhune A.	Medical and Health Sciences	Health Science Reports	2021	11	1
Thermal management and simulation studies of a 200-kW calorimetric dummy load for HE11 mode at 42 GHz	Shah M., Patel A., Prajapati C., Sathyanarayan K., Chaudhuri P.	Engineering Sciences	Heat Transfer	2021	131	0
14-3-3ζ negatively regulates mitochondrial biogenesis in GBM residual cells	Rajendra J., Ghorai A., Dutt S.	Life Sciences	Heliyon	2021	46	0
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 Weste	Gupta A.M., Ojha S., Nagaraju P., Poojary M., SH S., Sathyan V., Ansari A.	Medical and Health Sciences	Hematology, Transfusion and Cell Therapy	2021	25	2
Peri-operative, long-term, and quality of life outcomes after pancreaticoduodenectomy in the elderly: greater justification for periampullary cancer compared to pancreat	Parray A., Bhandare M.S., Pandrowala S., Chaudhari V.A., Shrikhande S.V.	Medical and Health Sciences	HPB	2021	79	2
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., Gupta T., Jalali R., Sridhar E	Medical and Health Sciences	Human Molecular Genetics	2021	284	4
Downregulation of ARID1B, a tumor suppressor in the WNT subgroup medulloblastoma, activates multiple oncogenic signaling pathways	Deogharkar A., Singh S.V., Bharambe H.S., Paul R., Moiyadi A., Goel A., Shetty P.,	Medical and Health Sciences	Human Molecular Genetics	2021	284	3
Rare presentations and literature review of Rosai Dorfman disease of the breast	Reddy A., Joshi S., Popat P., Shet T.	Medical and Health Sciences	Human Pathology: Case Reports	2021	5	0
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., Desai S.B.	Medical and Health Sciences	Human Pathology: Case Reports	2021	5	0
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	120	1
Process development for the separation of niobium and tantalum from fluoride medium using trioctyl amine and application of Taguchi's method to optimize solvent ext	Dutta S., Mukhopadhyay S., Gaddam S., Shenoy K.T., Mirji K.V.	Engineering Sciences	Hydrometallurgy	2021	120	6
Orthorhombic structure stabilazation in bulk HfO2 by yttrium doping	Banerjee D., Dey C.C., Sewak R., Thakare S.V., Toprek D.	Chemical Sciences;Physical Scien	Hyperfine Interactions	2021	47	0
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., Wille H.C., Kumar D.	Physical Sciences	Hyperfine Interactions	2021	47	2
Thermo-Optic Effects in Congruent-LiTaO3Based Continuous-Wave Optical Parametric Oscillator	Sahoo R.R., Shukla M.K., Das R.	Physical Sciences	IEEE Photonics Technology Letters	2021	161	0
Development and Studies on FBG Temperature Sensor for Applications in Nuclear Fuel Cycle Facilities	Kumar J., Singh G., Saxena M.K., Prakash O., Dixit S.K., Nakhe S.V.	Physical Sciences	IEEE Sensors Journal	2021	132	2
Insulation of Current Leads for Superconducting PF-3 Coils of SST-1	Kumar N., Prasad U., Roy S., Kanabar D., Ghate M., Dodiya C., Singh Y., Parmesh	Engineering Sciences;Physical Sci	IEEE Transactions on Applied Superconductivity	2021	88	0
Thermo-Hydraulic Study of MgB2Superconducting Feeder for SST-1 Tokamak	Bairagi N., Tanna V.L.	Engineering Sciences	IEEE Transactions on Applied Superconductivity	2021	88	1
Grain Refinement and Enhancement of Critical Current Density in the V0.60Ti0.40Alloy Superconductor with Gd Addition	Paul S., Ramjan S.K., Venkatesh R., Chandra L.S.S., Chattopadhyay M.K.	Physical Sciences	IEEE Transactions on Applied Superconductivity	2021	88	2
Some Conditional Cube Testers for Grain-128a of Reduced Rounds	Dalai D.K., Pal S., Sarkar S.	Mathematical Sciences	IEEE Transactions on Computers	2021	129	0
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., Bhattacharya S., Muthe K.P	Engineering Sciences;Physical Sci	IEEE Transactions on Industrial Electronics	2021	304	0
SoC-Based Automated Diagnostic Instrument for FMCW Reflectometry Applications	George G.C., Buch J.J.U., Prince A A., Pathak S.K.	Engineering Sciences	IEEE Transactions on Instrumentation and Measurement	2021	128	0
MoNuSAC2020: A Multi-Organ Nuclei Segmentation and Classification Challenge	Verma R., Kumar N., Patil A., Kurian N.C., Rane S., Graham S., Vu Q.D., Zwager M	Medical and Health Sciences	IEEE Transactions on Medical Imaging	2021	233	11
Causal Node Failures and Computation of Giant and Small Components in Networks	Zhang Z., Radhakrishnan S., Subramanian C.R., Barker K., Gonzalez A.D.	Mathematical Sciences	IEEE Transactions on Network Science and Engineering	2021	29	1
Raw Data Processing Using Modern Hardware for Inspection of Objects in X-Ray Baggage Inspection Systems	Malarvizhi S., Kayalvizhi R., Kumar A., Topkar A.	Engineering Sciences	IEEE Transactions on Nuclear Science	2021	126	1
L-Adaptive Robust Control Design for a Pressurized Water-Type Nuclear Power Plant	Vajpayee V., Becerra V., Bausch N., Deng J., Shimjith S.R., Arul A.J.	Engineering Sciences	IEEE Transactions on Nuclear Science	2021	126	4
Development of a 1-D Electrostatic Particle-in-Cell Code	Singh P., Majumder A., Pulhani A.K., Sridhar G., Maiti N.	Engineering Sciences;Physical Sci	IEEE Transactions on Plasma Science	2021	126	0
Multichannel operation of a multi-gap, multichannel spark gap switch using a low-magnitude trigger pulse and its performance evaluation	Chowdhury A., Saxena A.K., Joshi K.D.	Physical Sciences	IEEE Transactions on Plasma Science	2021	126	0
Effect of water vapor on the virucidal behavior of RF-hollow cathode cold plasma: A study by optical emission spectroscopy	Bute A., Nagar V., Kar R., Chand N., Bhale D., Shashidhar R., Patil D.S., Rao A.V.S.	Engineering Sciences;Life Science	IEEE Transactions on Plasma Science	2021	126	1
Experimental study on electrical explosion behavior of six metal wires in air and vacuum	Batra J., Saxena A.K., Jaiswar A.C., Valvi R.R., Joshi K.D., Kaushik T.C.	Physical Sciences	IEEE Transactions on Plasma Science	2021	126	1
Characterization of Flash X-Ray Source from a Marx-Based Pulse Power System	Rakhee Menon K., Patel A.S., Senthil K., Basak A., Kumar R., Chandra R., Dhabek	Engineering Sciences;Physical Sci	IEEE Transactions on Plasma Science	2021	126	0
Development of Nanocrystalline LaB Electron Emitters Processed Using Arc Thermal Plasma Route	Kamble S.A., Bhopale S.R., Ghorui S., Bhattacharjee D., Nandi A.K., Bhoraskar S.V	Physical Sciences	IEEE Transactions on Plasma Science	2021	126	0
Nucleation and Growth of Iron (II) Oxide Nanoparticles in Thermal Arc Plasma and Their Interaction Study with SARS-CoV-2: A Computational Approach	Mitra R., Patel S., Ghorui S., Mahapatra S.K., Banerjee I.	Physical Sciences	IEEE Transactions on Plasma Science	2021	126	0
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.	Engineering Sciences;Physical Sci	IEEE Transactions on Plasma Science	2021	126	2
Unique Aspects of Thermal Plasma Torches and Reactor Design for Process Applications	Ghorui S.	Physical Sciences	IEEE Transactions on Plasma Science	2021	126	3
An Electrical Impedance-Based Technique to Infer Plasma Density in a 13.56-MHz Magnetized Capacitive Coupled RF Discharge	Binwal S., Joshi J.K., Karkari S.K., Nair L.	Physical Sciences	IEEE Transactions on Plasma Science	2021	126	0
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 B., Gupta L.N., Thakkar D	Physical Sciences	IEEE Transactions on Plasma Science	2021	126	0
LabVIEW-FPGA-Based Real-Time Data Acquisition System for ADITYA-U Heterodyne Interferometry	Patel K., Nagora U., Joshi H.C., Pathak S., Jadeja K.A., Patel K., Tanna R.L.	Physical Sciences	IEEE Transactions on Plasma Science	2021	126	4
Numerical Comparison between Characteristics of CO and Ar Plasma Arcs with Anode Evaporation	Abiyazhini R., Sowmiya K., Ramachandran K., Balasubramanian C.	Physical Sciences	IEEE Transactions on Plasma Science	2021	126	0
Simulation Studies on Stacked Magnetrons for Enhanced Power Output Suitable for Power Combining Applications	Jadhav A.R., John J., Tuckley K., Sharma P.K., DIxit H.V.	Physical Sciences	IEEE Transactions on Plasma Science	2021	126	3
Solving Inverse Problem in Magnetocardiography by Pattern Search Method	Swain P.P., Sengottuvel S., Patel R., Mani A., Selvaraj R.J., Satheesh S.	Physical Sciences	IETE Journal of Research	2021	28	0
A study on fluidization of activated carbon particles in gas-solid fluidized bed	Nikam S., Mandal D.	Engineering Sciences	Indian Chemical Engineer	2021	14	5
An Experimental Investigation for Soil-pile Interaction Under Harmonic Load	Pradhan M.K., Kumar P., Phanikanth V.S., Choudhury D., Srinivas K.	Physical Sciences	Indian Geotechnical Journal	2021	18	1
The utility of gradient of end-tidal carbon dioxide between two lungs in lateral decubitus position in predicting a drop in oxygenation during one-lung ventilation in electiv	Parab S., Chatterjee A., Saxena R.	Medical and Health Sciences	Indian Journal of Anaesthesia	2021	35	0
Efficacy of ultrasound-guided erector spinae plane block following breast surgery-A double-blinded randomised, controlled study	Thiagarajan P., Thota R., Divatia J.	Medical and Health Sciences	Indian Journal of Anaesthesia	2021	35	2
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	35	4
Influence of interpretation of pain scores on patients' perception of pain: A prospective study	Bakshi S., Rathod A., Salunkhe S.	Medical and Health Sciences	Indian Journal of Anaesthesia	2021	35	1
Revealing genetic variation in mini core germplasm of urdbean (Vigna mungo (L.) Hepper)	Baisakh B., Tripathy S.K., Souframanien J., Swain D., Tripathy P.	Life Sciences	Indian Journal of Biochemistry and Biophysics	2021	46	1
A survey of the practice of stereotactic body radiotherapy for hepatocellular and pancreatic malignancies in India	Lewis S., Chopra S., Singh R., Engineer R.	Medical and Health Sciences	Indian Journal of Cancer	2021	40	0
Pilot testing and vernacular translation of a questionnaire for assessment of satisfaction in patients on radiotherapy in India	Manjali J.J., Gupta T., Ghosh-Laskar S., Jalali R., Sarin R., Agarwal J.P.	Medical and Health Sciences	Indian Journal of Cancer	2021	40	0
Gross reporting of adult kidney tumor specimens: A comprehensive evidence-based review	Midha D., Menon S., Josephine S., Kumar R., Kaushal S., Sanjay Pai A., Ambekar A	Medical and Health Sciences	Indian Journal of Cancer	2021	40	0
Pazopanib in metastatic soft tissue sarcomas: Testing the waters in developing world	Bajpai J., Mullapally S.K., Kapoor A., Ghosh J., Rekhi B.	Medical and Health Sciences	Indian Journal of Cancer	2021	40	0
Grossing and reporting of bone tumor specimens in surgical oncology: Rationale with current evidence and recent updates	Rekhi B., Uppin S., Kattoor J., Jambhekar N.A., Singh P., Pant V., Rao S., Afroz N.	Medical and Health Sciences	Indian Journal of Cancer	2021	40	0
Quality of life in long term survivors of cervical cancer: A cross sectional study	Shylasree T.S., Ranade R., Kattepur A.K., Kaur S., Dusane R., Maheshwari A., Mah	Medical and Health Sciences	Indian journal of cancer	2021	40	1
Grossing and reporting of a soft tissue tumor specimen in surgical pathology: Rationale, current evidence, and recommendations	Rekhi B., Kattoor J., Jennifer A., Govindarajan N., Uppin S., Jambhekar N.A., Jojo	Medical and Health Sciences	Indian Journal of Cancer	2021	40	0
Determinants of compliance to population-based oral cancer screening program among low socioeconomic women in Mumbai, India	Mishra G.A., Shaikh H.A., Pimple S.A., Awasthi A.A., Kulkarni V.Y.	Medical and Health Sciences	Indian Journal of Community Medicine	2021	36	0
An Introduction to Statistics: Diagnostic Tests	Ranganathan P.	Medical and Health Sciences	Indian Journal of Critical Care Medicine	2021	33	0
Physiological Changes in Pregnancy	Gangakhedkar G.R., Kulkarni A.P.	Medical and Health Sciences	Indian Journal of Critical Care Medicine	2021	33	0
Interventional Radiology in Obstetric Emergencies	Kulkarni S., Shetty N.S., Gupta A., Rao S., Bansal H.	Medical and Health Sciences	Indian Journal of Critical Care Medicine	2021	33	0
Clinico-demographics and outcome predictors in solid tumor patients with unplanned intensive care unit admissions: An observational study	Siddiqui S.S., Narkhede A.M., Chaudhari H.K., Ravisankar N.P., Dhundi U., Sarode	Medical and Health Sciences	Indian Journal of Critical Care Medicine	2021	33	0
The second-vs first-wave COVID-19: More of the same or a lot worse? a comparison of mortality between the two waves in patients admitted to intensive care units in ni	Zirpe K.G., Dixit S., Kulkarni A., Pandit R.A., Ranganathan P., Prasad S., Amanulla	Medical and Health Sciences	Indian Journal of Critical Care Medicine	2021	33	2
Epidemiology and predictors of hospital outcomes of critically ill pediatric oncology patients: A retrospective study	Bhosale S.J., Joshi M., Patil V.P., Kothekar A.T., Myatra S.N., Divatia J.V., Kulkarni	Medical and Health Sciences	Indian Journal of Critical Care Medicine	2021	33	1
Intensive care in india in 2018-2019: The second indian intensive care case mix and practice patterns study	Divatia J.V., Mehta Y., Govil D., Zirpe K., Amin P.R., Ramakrishnan N., Kapadia F.I	Medical and Health Sciences	Indian Journal of Critical Care Medicine	2021	33	2
Incidence and predictors of acute kidney injury in patients undergoing elective hepatic resection for malignant tumors: A 3-year prospective observational study	Joshi M., Milmile R., Dhakane P., Bhosale S.J., Kulkarni A.P.	Medical and Health Sciences	Indian Journal of Critical Care Medicine	2021	33	0
Microbiology of ventilator-associated pneumonia in a tertiary care cancer hospital	Sangale A., Bhat V., Kelkar R., Biswas S.	Medical and Health Sciences	Indian Journal of Critical Care Medicine	2021	33	3
Epidemiology, clinical characteristics, and prognostic factors in critically ill patients with hematolymphoid malignancy	Siddiqui S.S., Prabu N.R., Chaudhari H.K., Narkhede A.M., Sarode S.V., Dhundi U.,	Medical and Health Sciences	Indian Journal of Critical Care Medicine	2021	33	0
Postoperative outcomes following elective surgery in India	Agarwal V., Muthuchellappan R., Shah B.A., Rane P.P., Kulkarni A.P., Divatia J.V.,	Medical and Health Sciences	Indian Journal of Critical Care Medicine	2021	33	0
Hyperammonemia after cytoreductive surgery and HIPEC: Report of three cases with unusual presentation	Sharma V., Solanki S.L., Saklani A.P.	Medical and Health Sciences	Indian Journal of Critical Care Medicine	2021	33	0
Drug interactions between antimicrobial and immunosuppressive agents in solid organ transplant recipients	Bhagat V., Pandit R.A., Ambapurkar S., Sengar M., Kulkarni A.P.	Medical and Health Sciences	Indian Journal of Critical Care Medicine	2021	33	0
An introduction to statistics: Choosing the correct statistical test	Ranganathan P.	Medical and Health Sciences	Indian Journal of Critical Care Medicine	2021	33	0
Does presence of sepsis by itself predispose patient to HCAIs?	Gaikwad S., Patil V.P.	Medical and Health Sciences	Indian Journal of Critical Care Medicine	2021	33	0
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., Badhe P., Memon S., Barna	Medical and Health Sciences	Indian Journal of Endocrinology and Metabolism	2021	33	0
Low-dose, low-specific activity 131 I-metaiodobenzyl guanidine therapy in metastatic pheochromocytoma/sympathetic paraganglioma: Single-center experience from W	Barnabas R., Jaiswal S., Memon S., Sarathi V., Malhotra G., Verma P., Patil V., Lila	Medical and Health Sciences	Indian Journal of Endocrinology and Metabolism	2021	33	0
Cross-sectional Analysis of Quality of Life in Long-Term Survivors of Carcinoma Cervix Treated with Chemoradiation/Neo-Adjuvant Chemotherapy Followed by Surgery	Sawant P., Engineer R., Chopra S., Gulia S., Ghosh J., Maheshwari A., Shylasree T	Life Sciences;Medical and Health	Indian Journal of Gynecologic Oncology	2021	4	0
Paraaortic Lymph Nodal Staging & Evaluation of Treatment Outcome by 18–Fluorodeoxyglucose PET (Positron Emission Tomography) in Advanced Cervical Cancer: Final I	Sasidharan A., Mahantshetty U., Chopra S., Gurram L., Purandare N., Rangarajan	Medical and Health Sciences	Indian Journal of Gynecologic Oncology	2021	4	0
Pharmacological Prophylaxis and Personal Protective Equipment (PPE) Practices in Gynecological Cancer Surgery During COVID-19 Pandemic	Singh P., Bhandoria G., Maheshwari A.	Medical and Health Sciences	Indian Journal of Gynecologic Oncology	2021	4	2
Treatment Compliance and Clinical Outcomes in Older Patients with Cervical Cancer Treated with Radio(chemo)therapy—A Retrospective Analysis	Khondekar N.K., Gurram L., Visariya B., Chopra S., Gupta S., Ghosh J., Mahantshe	Life Sciences;Medical and Health	Indian Journal of Gynecologic Oncology	2021	4	0
Outcomes of Patients with Primary Mediastinal B-Cell Lymphoma Treated with Dose Adjusted R-EPOCH Regimen: A Single Centre Experience	Jain H., Kapoor A., Sengar M., Chanana R., Menon H., Sridhar E., Laskar S., Agarw	Medical and Health Sciences	Indian Journal of Hematology and Blood Transfusion	2021	17	0
Feasibility of Delivering High-Dose Methotrexate in Adolescent and Adult All Patients: A Retrospective Study	Shenoy R., Panda G., Bonda V.N.A., Sengar M., Thorat J., Jain H.	Medical and Health Sciences	Indian Journal of Hematology and Blood Transfusion	2021	17	0
Sequential Treatment of Arsenic Trioxide Followed by All Trans Retinoic Acid with Anthracyclines has Excellent Long-Term Cure in Acute Promyelocytic Leukemia	Devadas S.K., Jain H., Bagal B., Sengar M., Dangi U., Khattry N., Amre P., Patkar N	Medical and Health Sciences	Indian Journal of Hematology and Blood Transfusion	2021	17	1
Controversies in Mediastinal Staging for Nonsmall Cell Lung Cancer	Ashok A., Jiwnani S.S., Karimundackal G., Bhaskar M., Shetty N.S., Tiwari V.K., Niy	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2021	24	1
Smokeless Tobacco and Its Ill-Effects: Recent Literature Update	Singhavi H.R., Singh A., Chaturvedi P.	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2021	24	0
Blastic Plasmacytoid Dendritic Cell Neoplasm: A Rare Case Report with Literature Review	Oza N., Rathnam K., Sumeet G., Honey S.R., Saju S.V., Shubhada K.	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2021	24	0
Cancer Vaccine in Solid Tumors: Where We Stand	Roy S., Ghosh J., Ghosh R.	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2021	24	0
Moving Next-Generation Sequencing into the Clinic	Shetty O., Gurav M., Bapat P., Karnik N., Wagh G., Pai T., Epari S., Desai S.	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2021	24	0
Correlation between Multidrug-Resistant Bacteria Colonization and Bloodstream Infections in Children with Hematolymphoid Malignancies at a Tertiary Cancer Center in	Salifu N., Narula G., Prasad M., Biswas S., Kelkar R., Banavali S.	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2021	24	0
Measuring Satisfaction in Breast Cancer Patients Receiving Ambulatory Care: A Validation Study	Wadasadawala T., Mangaj A., Mokal S., Pathak R., Sarin R., Gaikar M., Nair N., Ba	Medical and Health Sciences	Indian Journal of Medical and Paediatric Oncology	2021	24	0
Polymorphism of interleukin-6-174 G/C (rs1800795) & the corresponding interleukin-6 level as a prognostic marker of cervical cancer	Wagh P., Kulkarni P., Kerkar S., Tongaonkar H., Chaudhari H., Warke H., Deodhar	Medical and Health Sciences	Indian Journal of Medical Research	2021	91	0
Screening for breast cancer: Cost-effective solutions for low-& middle-income countries	Mishra G., Pimple S., Mittra I., Badwe R.	Medical and Health Sciences	Indian Journal of Medical Research	2021	91	0
Temporal course of late rectal toxicity & impact of intervention in patients undergoing radiation for cervical cancer	Shejul J., Chopra S., Ranjan N., Mahantshetty U., Mehta S., Patil P., Engineer R., C	Life Sciences;Medical and Health	Indian Journal of Medical Research	2021	91	1
Surgery for cervical cancer: Consensus & controversies	Poddar P., Maheshwari A.	Medical and Health Sciences	Indian Journal of Medical Research	2021	91	0
Para-aortic lymph node involvement in cervical cancer: Implications for staging, outcome & treatment	Shylasree T.S., Gurram L., Das U.	Medical and Health Sciences	Indian Journal of Medical Research	2021	91	0
Contribution of Tata Memorial Centre, India, to cervical cancer care: Journey of two decades	Kumar A., Chopra S., Gupta S.	Life Sciences	Indian Journal of Medical Research	2021	91	0
Breast conservation surgery & oncoplasty in India-Current scenario	Parmar V., Koppiker C., Dixit S.	Medical and Health Sciences	Indian Journal of Medical Research	2021	91	0
Implications of the revised cervical cancer FIGO staging system	Bhatla N., Singhal S., Dhamija E., Mathur S., Natarajan J., Maheshwari A.	Medical and Health Sciences	Indian Journal of Medical Research	2021	91	0
Dynamics of viral RNA load, virus culture, seroconversion & infectivity in COVID-19 patients: Implications on isolation policy	Bhat V., Chavan P., Khattry N., Gupta S.	Life Sciences;Medical and Health	Indian Journal of Medical Research	2021	91	0
Role of cytogenetic abnormalities detected by fluorescence in situ hybridization as a prognostic marker: Pathogenesis & clinical course in patients with B-chronic lymphoc	Shetty D., Jain H., Rohil Y., Khattry N., Sengar M., Bagal B., Jain H., Gokarn A., Pu	Medical and Health Sciences	Indian Journal of Medical Research	2021	91	0
Pulmonary embolism as post-COVID-19 sequelae: Role of lung perfusion scintigraphy	Sitani K., Verma P., Rao R., Chandak A., Asopa R.	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2021	14	0
Comparison of Multiparametric Magnetic Resonance Imaging and Gallium-68 Prostate-Specific Membrane Antigen Positron Emission Tomography/Computed Tomograp	Soni B., Verma P., Shah A., Singh R., Sonawane S., Asopa R.	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2021	14	0
Facile synthesis of a Pt(IV) prodrug of cisplatin and its intrinsically 195mpt labeled analog: A step closer to cancer theranostic	Shitalijt Sharma K., Vimalnath K.V., Phadnis P.P., Chakravarty R., Chakraborty S.,	Chemical Sciences	Indian Journal of Nuclear Medicine	2021	14	0
Ga-68 DOTATATE positron emission tomography/computed tomography in a rare case of esthesioneuroblastoma	Verma P., Singh B.K., Singh I., Soni B.K., Asopa R.V.	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2021	14	0
Recurrent gastric cancer metastasizing to the bone marrow detected on 18 F-fluorodeoxyglucose positron emission tomography/contrast-enhanced computed tomograp	Gosavi A., Puranik A., Agrawal A., Purandare N., Shah S., Rangarajan V.	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2021	14	0
Granulomatous lung nodule mimicking as metastasis on F18 fluorodeoxyglucose positron emission tomography/computed tomography in a case of adrenocortical carcir	Gosavi A., Agrawal A., Menon S., Purandare N., Shah S., Puranik A., Rangarajan V	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2021	14	0
Normal skeletal standardized uptake values obtained from quantitative single-photon emission computed tomography/computed tomography: Time-dependent study o	Nautiyal A., Jha A., Mithun S., Sawant V., Jadhav R., Khairnar K., Rangarajan V.	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2021	14	0
Rare presentation of radiation-induced sarcoma detected on F-18 FDG positron emission tomography/computed tomography in a treated case of giant cell tumor	Dev I., Puranik A., Rangarajan V., Purandare N., Agrawal A., Shah S., Choudhury S	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2021	14	0
18F-fluorodeoxyglucose positron emission tomography/computed tomography findings of osteoblastoma of rib-A rare benign tumor with unusual site and uncommon a	Pande S., Mohan Gollamudi V., Patne S., Ramadwar M., Purandare N.	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2021	14	0
Incidentally detected COVID-19 lung changes during oncologic fluorodeoxyglucose positron emission tomography-computerized tomography studies: Experience from te	Purandare N., Prakash A., Shah S., Agrawal A., Puranik A., Rangarajan V.	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2021	14	0
18F-fluorodeoxyglucose Positron Emission Tomography/Computed Tomography in Postsurgical and Postprocedural Setting in Thorax and Abdominopelvic Malignancies:	Agrawal A., Prakash A., Choudhury S., Manikandan M., Jain Y., Purandare N., Pur	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2021	14	0
All that glitters on PSMA is not a lesion: An unusual artifact on PSMA PET/CT	Dev I., Rangarajan V., Purandare N., Agrawal A., Shah S., Puranik A.	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2021	14	0
Spectrum of flurodeoxyglucose positron emission tomography/computerized tomography findings in tumors and tumor-like conditions of the musculoskeletal system	Purandare N., Shah S., Agrawal A., Puranik A., Rangarajan V.	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2021	14	1
Dural metastasis in spinal canal diagnosed on F-18 fluorodeoxyglucose positron emission tomography contrast-Enhanced computed tomography scan in treated case of	Gosavi A., Puranik A., Agrawal A., Purandare N., Shah S.	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2021	14	0
Myeloid sarcoma of the prostatic tissue diagnosed on 18F-FDG PET/CT in treated case of acute myeloid leukemia	Gosavi A.Y., Puranik A., Agrawal A., Purandare N.C., Shah S., Rangarajan V., Thor	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2021	14	0
18F-fluorodeoxyglucose positron emission tomography/computed tomography in postsurgical setting in head and neck cancers - A pictorial essay	Agrawal A., Prakash A., Choudhury S., Manikandan M.V., Jain Y., Purandare N., P	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2021	14	0
Pelvic venous thromboembolism leading to pulmonary embolism in a case of chondroblastic osteosarcoma detected on FDG PET/CT	Prakash A., Puranik A.D., Purandare N.C., Agrawal A., Shah S., Rangarajan V.	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2021	14	0
68-gallium prostate-specific membrane antigen positron emission tomography/computed tomography detects rare testicular metastasis from prostate cancer	Jain Y., Agrawal A., Bakshi G., Joshi A., Menon S., Prakash G., Purandare N., Pura	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2021	14	0
Optimal standardized uptake value threshold for auto contouring of gross tumor volume using positron emission tomography/computed tomography in patients with op	Tibdewal A., Patil M., Misra S., Purandare N., Rangarajan V., Mummudi N., Karim	Medical and Health Sciences	Indian Journal of Nuclear Medicine	2021	14	1
Adamantinoma of Pelvis: A Rare Tumor at an Uncommon Site, with Diagnostic Implications	Virk J.S., Pruthi M., Rekhi B., Pasricha S.	Medical and Health Sciences	Indian Journal of Orthopaedics	2021	36	0
Adapting Management of Sarcomas in COVID-19: An Evidence-Based Review	Gulia A., Arora R.S., Panda P.K., Raja A., Tiwari A., Bakhshi S., Salins N., Goel V., J	Medical and Health Sciences	Indian Journal of Orthopaedics	2021	36	5
Importance of Skeletal Staging in Chondrosarcoma of Bone: Results of Survey on Current Practices Among Musculoskeletal Oncologists	Gulia A., Gupta S., Kurisunkal V., Puri A.	Life Sciences;Medical and Health	Indian Journal of Orthopaedics	2021	36	0
Assessment of Site, Degree and Pattern of Airway Obstruction in Patients with Moderate to Severe Obstructive Sleep Apnoea (OSA) Using Drug Induced Sleep Endoscopy	Joy J., Bhat N., Bhandarkar P.	Life Sciences	Indian Journal of Otolaryngology and Head and Neck Surg	2021	25	0
Is Direct Laryngoscopy Obsolete? "Trans Nasal Oesophagoscopy" the Complete Endoscopic Solution in Head Neck Practice	Lakshminarasimman P., Pai P.S., Mehta S., Patil P.	Medical and Health Sciences	Indian Journal of Otolaryngology and Head and Neck Surg	2021	25	0
Symptom management among patients with chronic kidney disease	Rao S., Vallath N., Siddini V., Jamale T., Bajpai D., Sancheti N., Rangaswamy D.	Medical and Health Sciences	Indian Journal of Palliative Care	2021	29	0
Documentation of Assessment of Spiritual Concerns of Adult Advanced Cancer Patients: An Audit in a Hospital-based Specialist Palliative Care Service	Deodhar J., Salins N., Muckaden M.A.	Medical and Health Sciences	Indian Journal of Palliative Care	2021	29	0
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., Pramesh C.S.	Medical and Health Sciences	Indian Journal of Palliative Care	2021	29	1
Shared decision-making, advance care planning for chronic kidney disease patients	Deodhar J., Nagaraju S., Kirpalani A., Nayak A.	Medical and Health Sciences	Indian Journal of Palliative Care	2021	29	0
Programmed cell death ligand - 1 expression in triple negative breast carcinoma and its prognostic significance in Indian population	Gajaria P.K., Gupta M.R., Patil A., Desai S.B., Shet T.M.	Medical and Health Sciences	Indian journal of pathology & microbiology	2021	33	0
Is immunohistochemistry always the panacea to morphologic mimics? Two, distinct soft tissue tumors exhibiting alveolar pattern and TFE3 immunoreactivity	Shah A., Rekhi B., Patil A.	Medical and Health Sciences	Indian journal of pathology & microbiology	2021	33	0
Recent updates in the diagnosis of soft tissue tumors: Newly described tumor entities, newer immunohistochemical and genetic markers, concepts, including 'inter-tumo	Rekhi B.	Medical and Health Sciences	Indian Journal of Pathology and Microbiology	2021	33	1
Multicentric Castleman's disease in India - Does EBV rather than HHV8 play a role?	Bhanvadia V., Shet T., Rao V., Epari S., Gujral S., Jain H., Bagal B., Sengar M.	Medical and Health Sciences	Indian Journal of Pathology and Microbiology	2021	33	0
A rare case of a solitary fibrous tumor of vulva, displaying NAB2ex6-STAT6ex17 fusion	Rekhi B., Bapat P., Jindal A.	Medical and Health Sciences	Indian Journal of Pathology and Microbiology	2021	33	1
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	33	3
Polynomial expression for calculating "Total Internal Partition Sums" for portable gas sensors	Gupta A., Singh P.J., Udupa D.V.	Physical Sciences	Indian Journal of Physics	2021	34	0
Anomalous magnetic behaviour at nano-scale of Mn2+-substituted magnesio-ferrite synthesized by auto-combustion technique	Hathiya L.J., Baraliya J.D., Das A., Sen D., Gismelseed A.M., Yousif A.A., Joshi H.H	Physical Sciences	Indian Journal of Physics	2021	34	0
Structural and optical properties of Ce-doped strontium borophosphate glasses	Ramakrishna P., Sitakanta Panda, Vinod Kumar P., Mohapatra D.K., Jena H., Pan	Chemical Sciences	Indian Journal of Physics	2021	34	2
Effect of parallel connection length on the properties of a low-temperature plasma confined in a current-less toroidal device	Kumar U., Ganesh R., Saxena Y.C., Raju D., Thatipamula S.G.	Physical Sciences	Indian Journal of Physics	2021	34	0
Electrical-Model of ADITYA-U Tokamak	Kumawat D., Kumar R., Macwan T., Ghosh J., Tanna R., Aich S., Jha S.K., Raju D.,	Engineering Sciences;Physical Sci	Indian Journal of Physics	2021	34	1
Recent progress on cluster and meron algorithms for strongly correlated systems	Banerjee D.	Physical Sciences	Indian Journal of Physics	2021	34	1
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	34	0
Reduction Mammoplasty Approach to Oncoplasty-Zone-Wise Planning in Indian Patients	Shankhdhar V.K., Jaiswal D., Bhansali C., Despande R., Yadav P.S., Mathews S., M	Medical and Health Sciences	Indian Journal of Plastic Surgery	2021	33	0
Chimeric ALT plus TFL Perforator Flap for Breast Reconstruction Post Radical Mastectomy with Large Skin Defect	Jaiswal D., Mantri M.R., Shankhdhar V.K., Wagh S.H.	Medical and Health Sciences	Indian Journal of Plastic Surgery	2021	33	0
On the number of connected subgraphs of graphs	Pandey D., Patra K.L.	Mathematical Sciences	Indian Journal of Pure and Applied Mathematics	2021	38	0
Experimental study of neutron irradiation effect on elementary semiconductor devices using Am-Be neutron source	Swami H.L., Rathod R., Rao T.S., Abhangi M., Vala S., Danani C., Chaudhuri P., Sri	Engineering Sciences	Indian Journal of Pure and Applied Physics	2021	42	0
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	42	0
Case Series of Applications of Resting State Functional MRI in Brain Tumor Surgery: A Novel Technique	Sahu A., Kurki V., Vijan A., Janu A., Shetty P., Moiyadi A.	Medical and Health Sciences	Indian Journal of Radiology and Imaging	2021	29	0
Prognostic Significance of EMVI in Rectal Cancer in a Tertiary Cancer Hospital in India	Pangarkar S.Y., Baheti A.D., Mistry K.A., Choudhari A.J., Patil V.R., Ahuja A., Katd	Medical and Health Sciences	Indian Journal of Radiology and Imaging	2021	29	0
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	29	0
Hyperechoic Lesions on Breast Ultrasound: All Things Bright and Beautiful?	Ramani S.K., Rastogi A., Nair N., Shet T.M., Thakur M.H.	Medical and Health Sciences	Indian Journal of Radiology and Imaging	2021	29	0
Are radiological diagnostic centres ready to tackle COVID-19 pandemic⊙An Indian perspective	Gala K.B., Gala B.M., Gala F.B.	Medical and Health Sciences	Indian Journal of Radiology and Imaging	2021	29	0
Psychological impact of COVID-19 on radiology: Emotional wellbeing versus psychological burnout	Mahajan A., Sharma P.	Medical and Health Sciences	Indian Journal of Radiology and Imaging	2021	29	2
A Clinical Audit of Hemithyroidectomy for Differentiated Thyroid Cancer—Experience from a Tertiary Cancer Center	Chidambaranathan N., Thiagarajan S., Menon N., Chakraborthy A., Vaish R., Chau	Medical and Health Sciences	Indian Journal of Surgery	2021	23	0
Impact of Lumen Occlusion on Outcomes in Locally Advanced Rectal Adenocarcinoma	Shinde R.S., Gupta A., Patil P., Desouza A., Ostwal V., Engineer R., Saklani A.	Medical and Health Sciences	Indian Journal of Surgery	2021	23	0
Incidental Gallbladder Cancer—Current Recommendations and Management Protocols	Chaudhari V.A., Bhandare M.S., Shrikhande S.V.	Medical and Health Sciences	Indian Journal of Surgery	2021	23	0
Surgery for Gastric Cancer: State of the Art	Bhandare M.S., Chaudhari V., Shrikhande S.V.	Medical and Health Sciences	Indian Journal of Surgery	2021	23	0
Resection of Asymptomatic Primary Tumor with Synchronous Unresectable Colorectal Metastasis—Is It Reasonable?	Kazi M., Bankar S., Saklani A.	Medical and Health Sciences	Indian Journal of Surgical Oncology	2021	19	0
Pre-induction Ultrasonographic Evaluation of Gastric Residual Volume in Elective Gastrointestinal Cancer Surgeries	Ambulkar R., Manampadi U., Bhosale S., Rana M., Agarwal V., Solanki S.L.	Medical and Health Sciences	Indian Journal of Surgical Oncology	2021	19	0
Watch and Wait Approach After Neoadjuvant Chemoradiotherapy in Rectal Cancer: Initial Experience in the Indian subcontinent	Engineer R., Saklani A., D'souza A., Arya S., Kumar S., Ostwal V., Ramaswamy A.,	Medical and Health Sciences	Indian Journal of Surgical Oncology	2021	19	1
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	Daga D., Mishra A., Sharma S.S., Rai A.K., Valsareddy S.K., Singh U., Chattopadhy	Medical and Health Sciences	Indian Journal of Surgical Oncology	2021	19	0
Primary Peritoneal Rhabdomyosarcomatosis in a 2-Year-Old Child Treated with Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy — Case Report ar	Kazi M., Qureshi S.S.	Medical and Health Sciences	Indian Journal of Surgical Oncology	2021	19	0

Pre-Anesthesia Re-Evaluation in Post COVID-19 Patients Posted for Elective Surgeries: an Online, Cross-Sectional Survey.	Wajekar A.S., Solanki S.L., Divatia J.V.	Medical and Health Sciences	Indian Journal of Surgical Oncology	2021	19	4
Management of Abdominal Ewing's Sarcoma: A Single Institute Experience	Chatterjee A., Patkar S., Purandare N., Mokal S., Goel M.	Medical and Health Sciences	Indian Journal of Surgical Oncology	2021	19	0
V-Y Gluteal Advancement Fasciocutaneous Flap for Reconstruction of Perineal Defects After Surgery for Anorectal Cancers— A Single-Center Experience	Chavan R.N., Saklani A.P., Desouza A.L., Rohila J., Kazi M., Sukumar V., Jajoo B.	Medical and Health Sciences	Indian Journal of Surgical Oncology	2021	19	1
A Survey of Personnel Protective equipment's (PPE) Use and Comfort Levels Among Surgeons During Routine Cancer Surgery in the COVID-19 Pandemic	Thiagarajan S., Shetty P., Gulia A., Prakash G., Pramesh C.S., Puri A.	Medical and Health Sciences	Indian Journal of Surgical Oncology	2021	19	4
Can We Avoid Axillary Lymph Node Dissection (ALND) in Patients with 1–2 Positive Sentinel/Low Axillary Lymph Nodes (SLN/LAS+) in the Indian Setting?	Reddy A., Nair N.S., Mokal S., Parmar V., Shet T., Pathak R., Chitkara G., Thakkar	Medical and Health Sciences	Indian Journal of Surgical Oncology	2021	19	0
A Prospective Observational Study to Determine Rate of Thromboprophylaxis in Oncology Patients Undergoing Abdominal or Pelvic Surgery	Shrikhande S.V., Verma M.	Medical and Health Sciences	Indian Journal of Surgical Oncology	2021	19	0
Lymphangioma of Pancreas Masquerading as a Pancreatic Cystic Neoplasm	Bal M., Kathuria K., Yadav S., Shrikhande S.V.	Medical and Health Sciences	Indian Journal of Surgical Oncology	2021	19	0
Molecular Signatures of Gynecological Cancers: Clinicians Perspective	Shylasree T., Richa B., Lavanya G., Gulia S.	Medical and Health Sciences	Indian Journal of Surgical Oncology	2021	19	0
Adaptations and Safety Modifications to Perform Safe Minimal Access Surgery (MIS: Laparoscopy and Robotic) During the COVID-19 Pandemic: Practice Modifications Ex	Somashekhar S.P., Acharya R., Saklani A., Parikh D., Goud J., Dixit J., Gopinath K.	Chemical Sciences;Medical and H	Indian Journal of Surgical Oncology	2021	19	4
Molecular Biology in the Breast Clinics—Current status and future perspectives	Parmar V., Nair N.S., Thakkar P., Chitkara G.	Medical and Health Sciences	Indian Journal of Surgical Oncology	2021	19	0
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	19	0
Clear Cell Chondrosarcoma—Oncological Outcomes in an Asian Cohort	Gulia A., Kurisunkal V., Puri A., Nayak P., Rekhi B.	Medical and Health Sciences	Indian Journal of Surgical Oncology	2021	19	0
Splenectomy and Distal Pancreaticosplenectomy: Surgical Anatomy and Technique Specific to Advanced Ovarian Cancer	Poddar P., Shylasree T.S., Bhandare M.	Medical and Health Sciences	Indian Journal of Surgical Oncology	2021	19	0
Gastrointestinal stromal tumor presenting with lower urinary tract symptoms - A series of five cases with unusual clinical presentation	Yadav S., Menon S., Bakshi G., Katdare A., Ramadwar M., Desai S.	Medical and Health Sciences	Indian Journal of Urology	2021	34	0
Eosinophilic solid cystic renal cell carcinoma: A series of 3 cases elucidating the spectrum of morphological and clinical features of an emerging new entity	Sakhadeo U., Yadav S., Bakshi G., Prakash G., Katdare A., Menon S., Desai S.	Medical and Health Sciences	Indian Journal of Urology	2021	34	0
Perioperative therapy in muscle invasive bladder cancer	Chatterjee A., Bakshi G., Pal M., Kapoor A., Joshi A., Prakash G.	Medical and Health Sciences	Indian Journal of Urology	2021	34	0
Primary extrarenal papillary renal cell carcinoma presenting as a neck mass	Srivishnu S., Bakshi G., Menon S.	Medical and Health Sciences	Indian Journal of Urology	2021	34	0
Application and comparison of Fuhrman nuclear grading system with the novel tumor grading system for chromophobe renal cell carcinoma and its correlation with dise	Sali A., Bahirwade G., Bakshi G., Prakash G., Joshi A., Desai S., Menon S.	Medical and Health Sciences	Indian Journal of Urology	2021	34	1
Permeation of Am(III) from Water-Soluble, Organic Polyacids across Hollow-Fiber Renewable Liquid Membranes Facilitated with HDEHP/Dodecane: Contrivance of Chem	Kedari C.S., Manohar S., Kaushik C.P.	Chemical Sciences	Industrial and Engineering Chemistry Research	2021	231	0
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., Ramasubramanium S.	Chemical Sciences	Industrial and Engineering Chemistry Research	2021	231	2
Kinetics of carbon nanotube aerogel synthesis using floating catalyst chemical vapor deposition	Yadav M.D., Dasgupta K.	Engineering Sciences	Industrial and Engineering Chemistry Research	2021	231	3
Highly Efficient and Selective Recovery of Technetium with a Novel MTPN Resin: A Remarkable Outcome of Bulky Cation-Bulky Anion Interactions	Pant A.D., Ruhela R., Limje C., Vartak M., Yadav A.K., Kumar S. A., Singh A.K., Jha	Chemical Sciences;Engineering Sc	Industrial and Engineering Chemistry Research	2021	231	1
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	99	8
Piperazinyl-Based Diamide Ligand for Selective Precipitation of Actinyl (UO22+/PuO22+) Ions with Fast Kinetics	Vats B.G., Bhattacharyya A., Sanyal K., Kumar M., Gamare J.S., Kannan S.	Chemical Sciences	Inorganic Chemistry	2021	241	0
Role of O Substitution in Expanded Porphyrins on Uranyl Complexation: Orbital- And Density-Based Analyses	Chattaraj S., Bhattacharyya A., Sadhu B.	Chemical Sciences	Inorganic Chemistry	2021	241	1
In Situ Preconcentration during the Di-(2-ethylhexyl) Phosphoric Acid-Assisted Dissolution of Uranium Trioxide in an Ionic Liquid: Spectroscopic, Electrochemical, and The	Verma P.K., Mahanty B., Ali S.M., Mohapatra P.K.	Chemical Sciences	Inorganic Chemistry	2021	241	1
Local Structure Investigations of Sequential Sorption of U and Fe on Polyacrylamide Hydroxamic Acid Resins	Yadav A.K., Pal S., Jha S.N., Bhattacharyya D., Adak A.K., Bhattacharyya K.P.	Physical Sciences	Inorganic Chemistry	2021	241	2
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	241	1
Nominal Effect of Mg Intercalation on the Superconducting Properties of 2H-NbSe2	Naik S., Kalaiarasan S., Nath R.C., Sarangi S.N., Sahu A.K., Samal D., Biswal H.S., S	Chemical Sciences;Physical Scien	Inorganic Chemistry	2021	241	1
Surface modification of zinc oxide nanoparticles by vinyltriethoxy silane (VTES)	Khurana N., Arora P., Pente A.S., Pancholi K.C., Kumar V., Kaushik C.P., Rattan S.	Chemical Sciences	Inorganic Chemistry Communications	2021	75	6
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	67	2
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	67	4
Structural properties and luminescence dynamics of CaZrO3:Eu3+phosphors	Kunti A.K., Patra N., Harris R.A., Sharma S.K., Bhattacharyya D., Jha S.N., Swart H	Physical Sciences	Inorganic Chemistry Frontiers	2021	67	9
Exploring long-chain hexaalkyl phosphoramides for actinide extraction: A combined experimental and theoretical investigation	Jegan G., Sachin A.R., Sreenivasulu B., Gopakumar G., Suresh A., Brahmananda R	Chemical Sciences	Inorganica Chimica Acta	2021	102	2
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	120	0
Multifunctional properties of Cr-substituted ferromagnetic Nd2Fe17	Datta S., Dan S., Gupta S., Chakraborty S., Mazumdar C.	Physical Sciences	Intermetallics	2021	120	1
Temperature induced amyloid production, biofilm formation and fitness in marine Bacillus sp.	Rajitha K., Nancharaiah Y.V., Venugopalan V.P.	Life Sciences	International Biodeterioration and Biodegradation	2021	110	1
Performance Evaluation of Modified Low-Temperature Cascade (MLTC) Type Refrigeration System	Siddiqui M.W., Das N.K., Sahoo R.K.	Physical Sciences	International Journal of Air-Conditioning and Refrigeration	2021	15	0
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 P.K.	Life Sciences	International Journal of Biological Macromolecules	2021	144	1
Natural DNA assisted white light generation and stimuli responsive colour tuning	Kumar B., Mora A.K., Ghosh R., Nath S.	Chemical Sciences	International Journal of Biological Macromolecules	2021	144	0
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., Mudrale S.P., Kulkarni S	Life Sciences;Medical and Health	International Journal of Biological Macromolecules	2021	144	1
A colorimetric and fluorometric based dual readout approach for effective heparin sensing	Pandey S.P., Jha P., Singh P.K.	Chemical Sciences	International Journal of Biological Macromolecules	2021	144	5
A Heparin based dual ratiometric sensor for Thrombin	Mudliar N.H., Dongre P.M., Singh P.K.	Chemical Sciences	International Journal of Biological Macromolecules	2021	144	2
Monitoring the formation of insulin oligomers using a NIR emitting glucose-conjugated BODIPY dye	Mora A.K., Murudkar S., Shivran N., Mula S., Chattopadhyay S., Nath S.	Chemical Sciences	International Journal of Biological Macromolecules	2021	144	6
Immobilization of protein on Fe3O4 nanoparticles for magnetic hyperthermia application	Gawali S.L., Shelar S.B., Gupta J., Barick K.C., Hassan P.A.	Chemical Sciences	International Journal of Biological Macromolecules	2021	144	17
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., Rawtani D., Sooraj K.P., Ranj	Physical Sciences	International Journal of Biological Macromolecules	2021	144	7
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., Tripathy U.	Chemical Sciences	International Journal of Biological Macromolecules	2021	144	1
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., Tripathy U.	Chemical Sciences	International Journal of Biological Macromolecules	2021	144	1
Vital insights into prokaryotic genome compaction by nucleoid-associated protein (NAP) and illustration of DNA flexure angles at single-molecule resolution	Purkait D., Bandyopadhyay D., Mishra P.P.	Chemical Sciences	International Journal of Biological Macromolecules	2021	144	0
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	144	2
Lipocalin 2 expression promotes tumor progression and therapy resistance by inhibiting ferroptosis in colorectal cancer	Chaudhary N., Choudhary B.S., Shah S.G., Khapare N., Dwivedi N., Gaikwad A., Jo	Life Sciences;Medical and Health	International Journal of Cancer	2021	242	14
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;Engineering Sc	International Journal of Chemical Reactor Engineering	2021	36	0
Instabilities of a freely moving spherical particle in a Newtonian fluid: Direct Numerical Simulation	Li Y., Tiwari S.S., Evans G.M., Nandakumar K., Joshi J.B.	Engineering Sciences	International Journal of Chemical Reactor Engineering	2021	36	0
Influence of varying nitrogen on creep deformation and damage behaviour of type 316L in the framework of continuum damage mechanics approach	Christopher J., Praveen C., Ganesan V., Reddy G.V.P., Albert S.K.	Engineering Sciences	International Journal of Damage Mechanics	2021	46	4
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	102	3
Investigations on a platinum catalyzed membrane for electrolysis step of copper-chlorine thermochemical cycle for hydrogen production	Banerjee A.M., Antony R.P., Pai M.R., Kumar A., Tripathi A.K.	Chemical Sciences	International Journal of Energy Research	2021	102	1
Helium cooled dual breeder blanket–preliminary design analyses of a candidate breeding blanket concept for near term Indian DEMO fusion reactor	Swami H.L., Sharma D., Mistry A.N., Danani C., Chaudhuri P., Srinivasan R.	Engineering Sciences;Physical Sci	International Journal of Energy Research	2021	102	3
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.R.	Engineering Sciences	International Journal of Engineering, Transactions B: Appli	2021	19	0
Determination of concentrations of some elements in marine consumables from Thane creek area (Mumbai, India) using ED-XRF technique; and risk assessment	Tiwari M., Rathod T.D., Sahu S.K., Bhangare R.C., Puthiyaveettilparambu Yousaf A	Physical Sciences	International Journal of Environmental Analytical Chemist	2021	45	0
Assessing the efficiency of different solvents for detecting gliotoxin from soil, organic manures and crop plant	Jayalakshmi R., Mehetre S.T., Kannan R., Paramasivam M., Santhanakrishnan V.I	Life Sciences	International Journal of Environmental Analytical Chemist	2021	45	0
Possible enhancement of superconductivity by Sb doping in rare earth doped 112 compounds: an ab-initio study	Ghosh A., Ghosh H.	Physical Sciences	International Journal of Environmental Analytical Chemist	2021	45	2
Multiaxial fatigue tests under variable strain paths and asynchronous loading and assessment of fatigue life using critical plane models	Arora P., Gupta S.K., Samal M.K., Chattopadhyay J.	Engineering Sciences	International Journal of Fatigue	2021	135	4
Proposing an improved cyclic plasticity material model for assessment of multiaxial response of low C-Mn steel	Arora P., Samal M.K., Gupta S.K., Chattopadhyay J.	Engineering Sciences	International Journal of Fatigue	2021	135	2
A re-visit to the Haigh diagram with the effect of creep damage on the high cycle fatigue behavior of alloy 617M	Ponnapureddy S., Sarkar A., Nagesha A., Narasaiah N., Srinivasa Rao B.	Engineering Sciences	International Journal of Fatigue	2021	135	3
Studies on creep-fatigue interaction behavior of Grade 92 steel and its weld joints	Veerababu J., Goyal S., Nagesha A.	Engineering Sciences	International Journal of Fatigue	2021	135	5
Deformation and failure behaviour of 316 LN austenitic stainless steel weld joint under thermomechanical low cycle fatigue in as-welded and thermally aged conditions	Suresh Kumar T., Nagesha A., Mariappan K., Kumar Dash M.	Engineering Sciences	International Journal of Fatigue	2021	135	5
An analysis of deformation and failure in rectangular tensile bars accounting for void shape changes	Khan I.A., Srivastava A., Needleman A., Benzerga A.A.	Engineering Sciences	International Journal of Fracture	2021	101	2
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	101	1
Concomitant endoscopic biliary, duodenal and colonic stent placement for advanced carcinoma of gall bladder	Sundaram S., Harindranath S., Rao P.K., Ramani N., Kale A., Patkar S.	Medical and Health Sciences	International Journal of Gastrointestinal Intervention	2021	2	0
Understanding dry-out mechanism in rod bundles of boiling water reactor	Silvi L.D., Chandraker D.K., Ghosh S., Das A.K.	Engineering Sciences	International Journal of Heat and Mass Transfer	2021	224	1
Hydrogen storage in boron-doped carbon nanotubes: Effect of dopant concentration	Sawant S.V., Yadav M.D., Banerjee S., Patwardhan A.W., Joshi J.B., Dasgupta K.	Chemical Sciences;Engineering Sc	International Journal of Hydrogen Energy	2021	231	4
Development of Ca–Mg–H2–ZrCl4 composite for hydrogen storage applications	Singh P.K., Singh A., Kain V., Kojima Y., Miyaoka H., Kumar S.	Engineering Sciences	International Journal of Hydrogen Energy	2021	231	1
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	231	5
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., Mukhopadhyay S.	Engineering Sciences	International Journal of Hydrogen Energy	2021	231	2
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	231	5
Studies on the kinetics of catalytic combustion of deuterium using 0.5% platinum loaded on Dixon ring catalyst	Sandeep K.C., Gaikwad D.Y., Bhanja K., Mohan S., Mandal D., Mahajani S.	Engineering Sciences	International Journal of Hydrogen Energy	2021	231	1
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	231	12
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	231	2
High capacity reversible hydrogen storage in titanium doped 2D carbon allotrope Ψ-graphene: Density Functional Theory investigations	Chakraborty B., Ray P., Garg N., Banerjee S.	Chemical Sciences;Physical Scien	International Journal of Hydrogen Energy	2021	231	36
Probing active sites on MnPSe3 and FePSe3 tri-chalcogenides as a design strategy for better hydrogen evolution reaction catalysts	Das T., Alam K., Chakraborty S., Sen P.	Physical Sciences	International Journal of Hydrogen Energy	2021	231	0
Tracking the role of Fe in NiFe-layered double hydroxide for solar water oxidation and prototype demonstration towards PV assisted solar water-splitting	Antony R.P., Betty C.A., Tyagi D., Banerjee A.M., Pai M.R., Tripathi A.K.	Chemical Sciences;Engineering Sc	International Journal of Hydrogen Energy	2021	231	2
Wide range hydrogen sensing behavior of a silver delafossite: Performance towards long term stability, repeatability and selectivity	Beatriceveena T.V., Sree Rama Murthy A., Prabhu E., Gnanasekar K.I.	Chemical Sciences	International Journal of Hydrogen Energy	2021	231	2
Hydrodynamic simulation of hypervelocity generation by use of functionally graded materials: Velocity enhancement study	Ray A., Singla A.	Physical Sciences	International Journal of Impact Engineering	2021	133	1
Mutational landscape of Juvenile Myelomonocytic Leukemia (JMML)—A real-world context	Nathany S., Chatterjee G., Ghai S., Moulik N.R., Shetty D., Subramanian P.G., Ten	Medical and Health Sciences	International Journal of Laboratory Hematology	2021	60	0
Expression of CD304/neuropilin-1 in adult b-cell lymphoblastic leukemia/lymphoma and its utility for the measurable residual disease assessment	Chatterjee G., Dudakia V., Ghogale S., Deshpande N., Girase K., Chaturvedi A., Sh	Medical and Health Sciences	International Journal of Laboratory Hematology	2021	60	0
Mechanism and dynamics of CH2NO2â^’ + CCl4 halophilic reaction	Mitra S., Dutta S.S., Sharma N., Lourderaj U.	Chemical Sciences	International Journal of Mass Spectrometry	2021	116	0
Dissociation dynamics in chloroform molecule induced by ion impact	Das N., Bhatt P., De S., Safvan C.P., Majumdar A.	Physical Sciences	International Journal of Mass Spectrometry	2021	116	1
Holography and quantum information exchange between systems	Singh H.	Physical Sciences	International Journal of Modern Physics A	2021	102	0
Exploring sQGP and small systems	Das D.	Physical Sciences	International Journal of Modern Physics A	2021	102	0
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	102	1
Estimation of baryon asymmetry from dark matter decaying into IceCube neutrinos	Mukherjee T., Pandey M., Majumdar D., Halder A.	Physical Sciences	International Journal of Modern Physics A	2021	102	1
Phenomenological Tsallis distribution from thermal field theory	Rahaman M., Bhattacharyya T., Alam J.-E.	Physical Sciences	International Journal of Modern Physics A	2021	102	2
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., Prasad E., Sandal R., Goya	Physical Sciences	International Journal of Modern Physics E	2021	53	0
Recent theoretical developments on QCD matter at finite temperature and density	Sharma S.	Physical Sciences	International Journal of Modern Physics E	2021	53	0
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	53	2
Dynamics of QCD matter-current status	Jaiswal A., Haque N., Abhishek A., Abir R., Bandyopadhyay A., Banu K., Bhadury S	Physical Sciences	International Journal of Modern Physics E	2021	53	12
Direct reaction contribution in the very low-energy 1 9 F(p, α 0) reaction	Sahoo L.K., Basu C.	Physical Sciences	International Journal of Modern Physics E	2021	53	0
1 2 C(2 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 T.K., Kundu S., Manna S	Physical Sciences	International Journal of Modern Physics E	2021	53	0
Effect of magnetic screening mass on the diffusion of heavy quarks	Rahaman M., Das S.K., Alam J.-E., Ghosh S.	Physical Sciences	International Journal of Modern Physics E	2021	53	0
Identification of molecular basis for objective discrimination of breast cancer cells (Mcf-7) from normal human mammary epithelial cells by raman microspectroscopy and	Iwasaki K., Araki A., Krishna C.M., Maruyama R., Yamamoto T., Noothalapati H.	Life Sciences	International Journal of Molecular Sciences	2021	195	4
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., Patravale V.	Chemical Sciences	International Journal of Pharmaceutics	2021	229	0
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., Devarajan P.V.	Life Sciences	International Journal of Pharmaceutics	2021	229	4
pH-responsive delivery of anti-metastatic niclosamide using mussel inspired polydopamine nanoparticles	Mhatre O., Reddy B.P.K., Patnaik C., Chakrabarty S., Ingle A., De A., Srivastava R.	Life Sciences	International Journal of Pharmaceutics	2021	229	4
Phytoextraction of arsenic using a weed plant Calotropis procera from contaminated water and soil: growth and biochemical response	Singh S., Fulzele D.P.	Life Sciences	International Journal of Phytoremediation	2021	90	6
Prediction of distortions and residual stresses in narrow gap weld joints prepared by hot wire GTAW and its validation with experiments	Das Banik S., Kumar S., Singh P.K., Bhattacharya S., Mahapatra M.M.	Physical Sciences	International Journal of Pressure Vessels and Piping	2021	82	2
Fracture studies on bi-metallic pipe weld joints under monotonic and cyclic loading	Vishnuvardhan S., Saravanan M., Gandhi P., Raghava G., Kumar S., Khan I.A., Sin	Engineering Sciences	International Journal of Pressure Vessels and Piping	2021	82	0
Study on fracture transferability from compact type specimen to pipe for 316LN stainless steel	Nikhil R., Krishnan S.A., Sasikala G., Moitra A., Albert S.K., Bhaduri A.K.	Engineering Sciences	International Journal of Pressure Vessels and Piping	2021	82	2
Saturation stress based models and their applicability to tensile flow behaviour of superalloy 617M	Christopher J., Nandagopal M., Palaparti D.P.R., Reddy G.V.P., Albert S.K.	Engineering Sciences	International Journal of Pressure Vessels and Piping	2021	82	1
Generation of creep-fatigue interaction diagram for modified 9Cr–1Mo steel	Veerababu J., Goyal S., Vanaja J., Nagesha A., Vasudevan M.	Engineering Sciences	International Journal of Pressure Vessels and Piping	2021	82	6
Molecular frame dipole moment of diatomic molecules within relativistic coupled-cluster framework: A comparative study of expectation value versus energy derivative a	Haldar S., Talukdar K., Nayak M.K., Pal S.	Chemical Sciences	International Journal of Quantum Chemistry	2021	107	0
End-substituted thiahelicenes for electronic device applications	Kumar R., Maity D.K.	Chemical Sciences	International Journal of Quantum Chemistry	2021	107	0
Density functional theoretical tailoring of electronic effect through various substituents on calix[4]arene-crown-6 for efficient Cs+ ion encapsulation and extraction	Boda A., Ali S.M.	Chemical Sciences	International Journal of Quantum Chemistry	2021	107	0
Efficiency of electron beam over gamma rays to induce desirable grain-type mutation in rice (Oryza sativa L.)	Gowthami R., Vanniarajan C., Souframanien J., Veni K., Renganathan V.G.	Life Sciences	International Journal of Radiation Biology	2021	94	2
Cytoproliferative effect of low dose alpha radiation in human lung cancer cells is associated with connexin 43, caveolin-1, and survivin pathway	Rajan V., Pandey B.N.	Life Sciences	International Journal of Radiation Biology	2021	94	2
Can Radiation Therapy Quality Assurance Improve Nasopharyngeal Cancer Outcomes in Low- and Middle-Income Countries: Reporting the First Phase of a Prospective In	Corry J., Ng W.T., Moore A., Choi H.C.W., Le Q., Holmes S., Munandar A., Wang S	Medical and Health Sciences	International Journal of Radiation Oncology Biology Physic	2021	257	0
Recommendations and Clinical Validation of Inguinal Clinical Target Volume Delineation in Penile Cancer	Mittal R., Krishnatry R., Maitre P., Murthy V.	Medical and Health Sciences	International Journal of Radiation Oncology Biology Physic	2021	257	1
Single Application Multifractionated Image Guided Adaptive High-Dose-Rate Brachytherapy for Cervical Cancer: Dosimetric and Clinical Outcomes	Mahantshetty U., Gurram L., Bushra S., Ghadi Y., Aravindakshan D., Paul J., Hand	Life Sciences;Medical and Health	International Journal of Radiation Oncology Biology Physic	2021	257	5
Nomogram Predicting Overall Survival in Patients With Locally Advanced Cervical Cancer Treated With Radiochemotherapy Including Image-Guided Brachytherapy: A Ret	Sturdza A.E., Pötter R., Kossmeier M., Kirchheiner K., Mahantshetty U., Haie-Med	Medical and Health Sciences	International Journal of Radiation Oncology Biology Physic	2021	257	6
Stereotactic Body Radiotherapy for High-Risk Localized Carcinoma of the Prostate (SHARP) Consortium: Analysis of 344 Prospectively Treated Patients	van Dams R., Jiang N.Y., Fuller D.B., Loblaw A., Jiang T., Katz A.J., Collins S.P., Agl	Medical and Health Sciences	International Journal of Radiation Oncology Biology Physic	2021	257	10
Dose-Volume Effects and Risk Factors for Late Diarrhea in Cervix Cancer Patients After Radiochemotherapy With Image Guided Adaptive Brachytherapy in the EMBRACE	K. Jensen N.B., Pötter R., Spampinato S., Fokdal L.U., Chargari C., Lindegaard J.C.	Medical and Health Sciences	International Journal of Radiation Oncology Biology Physic	2021	257	15
Salivary and Dental Complications in Childhood Cancer Survivors Treated With Radiation Therapy to the Head and Neck: A Pediatric Normal Tissue Effects in the Clinic (PE	Milgrom S.A., van Luijk P., Pino R., Ronckers C.M., Kremer L.C., Gidley P.W., Gros	Medical and Health Sciences	International Journal of Radiation Oncology Biology Physic	2021	257	3
Persistence of Late Substantial Patient-Reported Symptoms (LAPERS) After Radiochemotherapy Including Image Guided Adaptive Brachytherapy for Locally Advanced Ce	Vittrup A.S., Tanderup K., Bentzen S.M., Jensen N.B.K., Spampinato S., Fokdal L.U	Medical and Health Sciences	International Journal of Radiation Oncology Biology Physic	2021	257	4
Alternative method of helium liquification achieved by analyzing the correlation of critical exponent β and the magnetocaloric parameters	Mondal B., Dan S., Mondal S., Ranganathan R., Mazumdar C.	Physical Sciences	International Journal of Refrigeration	2021	125	0
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-Aide	2021	40	2
STROCSS 2021: Strengthening the reporting of cohort, cross-sectional and case-control studies in surgery	Mathew G., Agha R., Albrecht J., Goel P., Mukherjee I., Pai P., D'Cruz A.K., Nixon	Medical and Health Sciences	International Journal of Surgery	2021	71	184
STROCSS 2021: Strengthening the reporting of cohort, cross-sectional and case-control studies in surgery	Mathew G., Agha R., Albrecht J., Goel P., Mukherjee I., Pai P., D'Cruz A.K., Nixon	Medical and Health Sciences	International Journal of Surgery Open	2021	10	29
Two Cases of Intraosseous Pseudomyogenic (Epithelioid Sarcoma-Like) Hemangioendothelioma With Unusual Features, Expanding the Clinicopathological Spectrum	Rekhi B., Rane S., Puri A.	Medical and Health Sciences	International Journal of Surgical Pathology	2021	52	2
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., Desai S.	Medical and Health Sciences	International Journal of Surgical Pathology	2021	52	3
Atypical Teratoid/Rhabdoid Tumor: Revisiting Histomorphology and Immunohistochemistry With Analysis of Cyclin D1 Overexpression and MYC Amplification	Sali A.P., Epari S., Nagaraj T.S., Sahay A., Chinnaswamy G., Shetty P., Moiyadi A.,	Medical and Health Sciences	International Journal of Surgical Pathology	2021	52	1
A Case of Inv(1)(q23q31) TPR-NTRK1 Fusion-Positive Spindle Cell Neoplasm in an Infant—Uncovered by Next-Generation Sequencing: Diagnostic Challenge, Review, and T	Rekhi B., Shetty O., Bapat P., Gurav M., Qureshi S.	Medical and Health Sciences	International Journal of Surgical Pathology	2021	52	3
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	52	0
Experimental investigation on thermo-physical properties and subcooled flow boiling performance of Al2O3/water nanofluids in a horizontal tube	Mukherjee S., Jana S., Chandra Mishra P., Chaudhuri P., Chakrabarty S.	Engineering Sciences	International Journal of Thermal Sciences	2021	127	18
Thermodynamic studies on Ba3SrNb2O9 employing calorimeter	Samui P., Singh B.M., Khadilkar H.V., Rakshit S.K., Parida S.C.	Chemical Sciences	International Journal of Thermodynamics	2021	33	0
Convective Flow Boiling Heat Transfer Enhancement with Aqueous Al2O3 and TiO2 Nanofluids: Experimental Investigation	Mukherjee S., Panda S.R., Mishra P.C., Chaudhuri P.	Engineering Sciences	International Journal of Thermophysics	2021	70	2
Thermal Conductivity Enhancement of Silica Nanofluids for Ultrafast Cooling Applications: Statistical Modeling and Economic Analysis	Arora N., Mukherjee S., Mishra P.C., Chakrabarty S., Chaudhuri P.	Engineering Sciences	International Journal of Thermophysics	2021	70	5
Optimization of gamma radiation dose for induction of mutations in okra	Hazra S., Gorai S., Umesh Kumar V., Bhattacharya S., Maji A., Jambhulkar S., Ali M	Life Sciences	International Journal of Vegetable Science	2021	20	0
Construction of Dynamic Lead Fields from Vectorcardiography to Solve the Forward and the Inverse Problems in Magnetocardiography	Bhat V.R., Anitha H., Gireesan K.	Physical Sciences	IRBM	2021	30	0
Dopamine induces functional extracellular traps in microglia	Agrawal I., Sharma N., Saxena S., Arvind S., Chakraborty D., Chakraborty D.B., Jha	Medical and Health Sciences	iScience	2021	43	6
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	42	0
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 Ran	Munch M.W., Myatra S.N., Vijayaraghavan B.K.T., Saseedharan S., Benfield T., W	Medical and Health Sciences	JAMA - Journal of the American Medical Association	2021	709	41
Intubation Practices and Adverse Peri-intubation Events in Critically Ill Patients from 29 Countries	Russotto V., Myatra S.N., Laffey J.G., Tassistro E., Antolini L., Bauer P., Lascarrou	Medical and Health Sciences	JAMA - Journal of the American Medical Association	2021	709	63
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., Gyawali B., Mukherji D., Ha	Medical and Health Sciences	JAMA Oncology	2021	127	30
Efficacy of Capecitabine plus Irinotecan vs Irinotecan Monotherapy as Second-line Treatment in Patients with Advanced Gallbladder Cancer: A Multicenter Phase 2 Rando	Ramaswamy A., Ostwal V., Sharma A., Bhargava P., Srinivas S., Goel M., Patkar S	Life Sciences;Medical and Health	JAMA Oncology	2021	127	6
Characteristics of Early-Onset vs Late-Onset Colorectal Cancer: A Review	Zaborowski A.M., Abdile A., Adamina M., Aigner F., D'Allens L., Allmer C., Álvare	Medical and Health Sciences	JAMA Surgery	2021	186	13
Risk Prediction Model of 90-Day Mortality after Esophagectomy for Cancer	D'Journo X.B., Boulate D., Fourdrain A., Loundou A., Van Berge Henegouwen M.I	Medical and Health Sciences	JAMA Surgery	2021	186	7
Clinical approach to re-irradiation for recurrent diffuse intrinsic pontine glioma	Krishnatry R., Manjali J.J., Chinnaswamy G., Chatterjee A., Goda J.S., Janu A., Sah	Medical and Health Sciences	Japanese Journal of Clinical Oncology	2021	89	1
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	JCO global oncology	2021	12	5
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., Gondhowiardjo S., Mokal S., Goswami	Medical and Health Sciences	JCO Global Oncology	2021	12	2
Covid-19 pandemic and its gendered impact on indian physicians	Jiwnani S., Ranganathan P., Tiwari V., Ashok A., Niyogi D., Karimundackal G., Pra	Medical and Health Sciences	JCO Global Oncology	2021	12	6
Tracking the workforce 2020-2030: Making the case for a cancer workforce registry	Srivastava A., Jalink M., Ynoe de Moraes F., Booth C.M., Berry S.R., Rubagumya F	Medical and Health Sciences	JCO Global Oncology	2021	12	0
Epidemiologic pattern of cancer in Kathmandu Valley, Nepal: Findings of population-based cancer registry, 2018	Subedi R., Dhimal M., Budukh A., Chapagain S., Gyawali P., Gyawali B., Dahal U.,	Medical and Health Sciences	JCO Global Oncology	2021	12	2
Real-world outcomes with generic pomalidomide in relapsed refractory multiple myeloma—experience from a tertiary care cancer center	Bondili S.K., Bagal B., Zawar A., Ventrapati P., Thorat J., Gokarn A., Punatar S., Na	Medical and Health Sciences	JCO Global Oncology	2021	12	0
Awareness and acceptability of breast reconstruction among women with breast cancer: A prospective survey	Nair N.S., Penumadu P., Yadav P., Sethi N., Kohli P.S., Shankhdhar V., Jaiswal D.,	Medical and Health Sciences	JCO Global Oncology	2021	12	0
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	117	0
Hodgkin Lymphoma in Adolescent and Young Adults: Real-World Data from a Single Tertiary Cancer Center in India	Nayak L., Jain H., Bonda A., Epari S., Laskar S., Gokarn A., Shet T., Gujral S., Khan	Medical and Health Sciences	Journal of Adolescent and Young Adult Oncology	2021	23	0
High Response Rates and Promising Outcomes of Patients with Relapsed Ewing Sarcoma, Especially in Adolescents and Young Adults Treated on a Novel Hybrid Salvage (	Vijayasekharan K., Ramanathan S., Chinnaswamy G., Prasad M., Gulia A., Janu A	Medical and Health Sciences	Journal of Adolescent and Young Adult Oncology	2021	23	1
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	17	2
On the minimum degree of the power graph of a finite cyclic group	Panda R.P., Patra K.L., Sahoo B.K.	Mathematical Sciences	Journal of Algebra and its Applications	2021	27	1
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., Phanikumar G., Tewari	Engineering Sciences	Journal of Alloys and Compounds	2021	185	2
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 F.N., Vatsa R.K., Sudarsa	Chemical Sciences;Engineering Sc	Journal of Alloys and Compounds	2021	185	3
Malic acid grafted Fe3O4 nanoparticles for controlled drug delivery and efficient heating source for hyperthermia therapy	Dutta B., Checker S., Barick K.C., Salunke H.G., Gota V., Hassan P.A.	Chemical Sciences;Life Sciences;F	Journal of Alloys and Compounds	2021	185	4
Structural change from Pbnm to R3c phase with varying Fe/Mn content in (1-x) LaFeO3.xLaMnO3 solid solution leading to modifications in octahedral tilt and valence sta	Rini E.G., Gupta M.K., Mittal R., Mekki A., Al Saeed M.H., Sen S.	Physical Sciences	Journal of Alloys and Compounds	2021	185	2

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 K., Ganguli A.K.	Chemical Sciences	Journal of Alloys and Compounds	2021	185	0
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 B.S.	Chemical Sciences	Journal of Alloys and Compounds	2021	185	5
Appearance of new photoluminescence peak and spectral evolution of Eu3+ in La2Zr2O7 nanoparticles at high pressure	Gupta S.K., Abdou H., Mao Y.	Chemical Sciences	Journal of Alloys and Compounds	2021	185	4
Antiferromagnetism and Griffith's Phase on Cu doping in U(Mn1−xCux)2Ge2 intermetallics	Kanrar B., Babu P.D., Kaity S., Ravikumar G., Mishra N.L.	Physical Sciences	Journal of Alloys and Compounds	2021	185	0
Compression effect on structure of the Li-stabilized high-temperature phase of Mn3(VO4)2 with composition Li0.2Mn2.9(VO4)2 - Raman spectroscopic and X-ray diffract	Kesari S., Garg A.B., Clemens O., Rao R.	Physical Sciences	Journal of Alloys and Compounds	2021	185	5
Pressure effects on vibrational properties and structure of nanocrystalline Cu2ZnSnS4	Kandare S.P., Joseph B., Rao M.N., Dahiwale S.S., Dhole S.D., Rao R.	Physical Sciences	Journal of Alloys and Compounds	2021	185	1
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., Mishra R., Tyagi A.K.	Chemical Sciences	Journal of Alloys and Compounds	2021	185	4
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., Mittal R.	Physical Sciences	Journal of Alloys and Compounds	2021	185	0
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	185	0
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;Engineering Sc	Journal of Alloys and Compounds	2021	185	7
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., Majumder C., Tyagi A.K.	Chemical Sciences	Journal of Alloys and Compounds	2021	185	3
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., Karnal A.K., Satapathy S	Physical Sciences	Journal of Alloys and Compounds	2021	185	3
Preparation, thermal stability and crystal structure of Li3UF7: New insights into LiF-UF4 binary phase diagram	Kolay S., Achary S.N., Shinde A.B., Ram Krishna P.S., Basu M., Mishra R., Tyagi A.	Chemical Sciences	Journal of Alloys and Compounds	2021	185	1
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	185	29
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	185	0
Influence of Ge4+ doping on photo- and electroluminescence properties of ZnGa2O4	Kamal C.S., Mishra R.K., Rao K.R., Vats B.G., Pimple M.V., Sudarsan V., Vatsa R.K	Chemical Sciences	Journal of Alloys and Compounds	2021	185	5
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., Meena S.S., Yadav A., Kaushik C.P., Tyagi A.K.	Chemical Sciences	Journal of Alloys and Compounds	2021	185	8
Quantum coherence modulation in bismuth selenide topological insulator thin film by ion irradiation	Abhirami S., Amaladass E.P., Saravanan K., David C., Amirthapandian S., Sarguna	Physical Sciences	Journal of Alloys and Compounds	2021	185	0
Tunable ultraviolet sensing performance of Al-modified ZnO nanoparticles	Ayaz S., Amin R., Samantray K., Dasgupta A., Sen S.	Physical Sciences	Journal of Alloys and Compounds	2021	185	0
Hybrid aqueous supercapacitors based on mesoporous spinel-analogous Zn-Ni-Co-O nanorods: Effect of Ni content on the structure and energy storage	Kumar V., Gajraj V., Gnanasekar K.I., Dsoke S., Indris S., Ehrenberg H., Roling B., I	Chemical Sciences	Journal of Alloys and Compounds	2021	185	2
Influence of heat treatment on the microstructure evolution and elevated temperature mechanical properties of Hastelloy-X processed by laser directed energy depositic	Jinoop A.N., Paul C.P., Ganesh Kumar J., Anilkumar V., Singh R., Rao S., Bindra K.	Engineering Sciences;Physical Sci	Journal of Alloys and Compounds	2021	185	3
Relative effect of B and N concentrations on the microstructural stability and mechanical properties of modified 9Cr-1Mo steel	Rejeesh R., Bhattacharya A., Haldar C., Mitra R., Chakrabarti D., Das C.R., Albert	Engineering Sciences	Journal of Alloys and Compounds	2021	185	3
Magnetic, magnetocaloric effect and resistivity behavior of Sb substituted MnAs	Sathyanarayana A.T., Mani A.	Physical Sciences	Journal of Alloys and Compounds	2021	185	1
Probing the site occupancy of dopants in deep red-NIR emitting LiAl5O8: Eu3+, Cr3+ and Fe3+ nano phosphors using photoluminescence and X-ray absorption spectrosco	Panda S., Vinodkumar P., Sahoo M., Madhusoodanan U., Panigrahi B.S.	Chemical Sciences	Journal of Alloys and Compounds	2021	185	2
Novel reduced-activation TiVCrFe based high entropy alloys	Carruthers A.W., Li B.S., Rigby M., Raquet L.C., Mythili R., Ghosh C., Dasgupta A.	Engineering Sciences;Physical Sci	Journal of Alloys and Compounds	2021	185	6
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	185	4
Gd induced modifications in the magnetocaloric properties of dysprosium manganites	Prusty A., Mahana S., Gloskovskii A., Topwal D., Manju U.	Physical Sciences	Journal of Alloys and Compounds	2021	185	2
Electronic phase derived impedance spectroscopic behavior of La0.5Nd0.2A0.3MnO3 manganites	Vadgama V.S., Gadani K., Udeshi B., Gal M., Rathod K.N., Boricha H., Shrimali V.(	Physical Sciences	Journal of Alloys and Compounds	2021	185	1
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	185	1
Magneto-structural correlation across the spin reorientation transition temperature in pure and Sm substituted TmFeO3: A temperature dependent Raman and synchrot	Khan A.A., Ahlawat A., Deshmukh P., Singh M.N., Sagdeo A., Sathe V., Karnal A.K	Physical Sciences	Journal of Alloys and Compounds	2021	185	1
Performance of dopamine modified 0.5(Ba0.7Ca0.3)TiO3-0.5Ba(Zr0.2Ti0.8)O3 filler in PVDF nanocomposite as flexible energy storage and harvester	Mitharwal C., Geetanjali, Malhotra S., Bagla A., Srivastava M.K., Gupta S.M., Neg	Physical Sciences	Journal of Alloys and Compounds	2021	185	3
Studies on structural, dielectric, impedance spectroscopy and magneto-dielectric properties of La0.7Ba0.3MnO3/P(VDF-TrFE) multiferroic (0–3) nanocomposite films	Koner S., Deshmukh P., Ahlawat A., Karnal A.K., Satapathy S.	Physical Sciences	Journal of Alloys and Compounds	2021	185	4
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., Ahlawat A., Meher K.R.S.P., K	Physical Sciences	Journal of Alloys and Compounds	2021	185	8
Anomalous conducting heterointerface of non-stoichiometric CaxTayO3+δ/SrTiO3	Kumar S., Rana D.S., Satpati B., Ojha S., Gahtori B., Pulikkotil J.J., Dogra A.	Physical Sciences	Journal of Alloys and Compounds	2021	185	0
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	185	4
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., Kabi S., Singh L.S., Ahmed M., Mukherjee S., Nambissan P.M	Physical Sciences	Journal of Alloys and Compounds	2021	185	1
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	185	1
Effect of patient information leaflet on working pattern and patient satisfaction level in a busy Indian day care operative theater complex	Bakshi S.G., Tambule A., Panigrahi A., Pai P.	Medical and Health Sciences	Journal of Anaesthesiology Clinical Pharmacology	2021	35	0
Preparation, validation, and evaluation of an information leaflet for patients undergoing day-care surgeries under general anesthesia at a busy tertiary care hospital	Panigrahi A.R., Bakshi S.G.	Medical and Health Sciences	Journal of Anaesthesiology Clinical Pharmacology	2021	35	1
Deep eutectic solvent-based extraction of uranium(VI) from a wide range acidity and subsequent determination by direct loading in thermal ionization mass spectrometr	Shah R.V., Pandey A.K., Sasi Bhushan K., Jagadish Kumar S., Rao R.M., Jaison P.G	Chemical Sciences	Journal of Analytical Atomic Spectrometry	2021	118	1
Standardization of an external (in air) PIGE methodology using tantalum as a current normalizer in conjunction with INAA for rapid and non-destructive chemical characte	Sharma V., Acharya R., Bagla H.K., Pujari P.K.	Chemical Sciences	Journal of Analytical Atomic Spectrometry	2021	118	8
Resolving isobaric interference towards the determination of 137Cs and 90Sr using laser-ionization mass spectrometry	Namitha J., Maity U.K., Subramanian G.G.S., Manoravi P., Joseph M., Sivaraman	Chemical Sciences	Journal of Analytical Atomic Spectrometry	2021	118	1
Determination of Lanthanides in Coal Fly Ash, Sediment and Monazite Sand by Inductively Coupled Plasma Optical Emission Spectrometry After Separation Using Oxalate	Gumma Venkateswarlu, Mamatha P.R., Thangavel S., Sahayam A.C.	Chemical Sciences	Journal of Analytical Chemistry	2021	35	1
Line profile analysis of synchrotron X-ray diffraction data of iron powder with bimodal microstructural profile parameters	Bhakar A., Gupta P., Rao P.N., Swami M.K., Tiwari P., Gangulia T., Raia S.K.	Physical Sciences	Journal of Applied Crystallography	2021	167	2
Primary osseous 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	3	1
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	167	6
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., Patra N., Bhattacharya I	Physical Sciences	Journal of Applied Physics	2021	331	2
Predicting space-charge affected field emission current from curved tips	Biswas D., Kumar R., Singh G.	Physical Sciences	Journal of Applied Physics	2021	331	2
High pressure structural evolution of cubic solid solution YbInO3	Kaiwart R., Dwivedi A., Shukla R., Velaga S., Grover V., Poswal H.K.	Chemical Sciences;Physical Scien	Journal of Applied Physics	2021	331	2
Tuning of micelle adsorption on nanoparticles by combination of surfactants	Singh H., Aswal V.K.	Physical Sciences	Journal of Applied Physics	2021	331	1
Higher order curvature corrections to the field emission current density	Biswas D., Ramachandran R.	Physical Sciences	Journal of Applied Physics	2021	331	6
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	331	2
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., Kinane C.J., Langridge S., B	Physical Sciences	Journal of Applied Physics	2021	331	2
Evidence of improved tolerance to electronic excitation in nanostructured Nd2Zr2O7	Sharma S.K., Grover V., Shukla R., Hussain A., Mishra A., Meena R.C., Kulriya P.K.	Chemical Sciences	Journal of Applied Physics	2021	331	5
Study of band alignment at MoS2/SiO2interfaces grown by pulsed laser deposition method	Sinha S., Kumar S., Arora S.K., Jha S.N., Kumar Y., Gupta V., Tomar M.	Physical Sciences	Journal of Applied Physics	2021	331	1
Raman spectroscopic studies of ortho-xylene under laser driven shock and static compression	Rao U., Chaurasia S., Mishra A.K., Sijoy C.D., Mishra V.	Physical Sciences	Journal of Applied Physics	2021	331	1
Thermo physical properties and pressure induced phase transition in thorium and uranium sesquicarbide (Th2C3, U2C3)	Sahoo B.D., Joshi K.D.	Physical Sciences	Journal of Applied Physics	2021	331	1
Ta-doped SrTiO3epitaxial thin film: A promising perovskite for optoelectronics	Arya M., Kumar S., Hasina D., Ojha S., Arora A., Malik V.K., Mitra A., Som T., Dha	Physical Sciences	Journal of Applied Physics	2021	331	1
Salt-assisted growth of monolayer MoS2for high-performance hysteresis-free field-effect transistor	Mallik S.K., Sahoo S., Sahu M.C., Gupta S.K., Dash S.P., Ahuja R., Sahoo S.	Physical Sciences	Journal of Applied Physics	2021	331	6
Influence of fractal and multifractal morphology on the wettability and reflectivity of crystalline-Si thin film surfaces as photon absorber layers for solar cell	Maity G., Yadav R.P., Singhal R., Kulriya P.K., Mishra A., Som T., Dhar S., Kanjilal I	Physical Sciences	Journal of Applied Physics	2021	331	5
Understanding the role of structural distortions on the transport properties of Ar ion irradiated SrTiO3thin films: X-ray absorption investigation	Bhogra A., Masarrat A., Hasina D., Kumar V., Meena R., Kumar A., Som T., Dong	Physical Sciences	Journal of Applied Physics	2021	331	0
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	331	0
Optimization of process parameters to generate plasma activated water and study of physicochemical properties of plasma activated solutions at optimum condition	Rathore V., Nema S.K.	Chemical Sciences	Journal of Applied Physics	2021	331	15
A thermodynamic probe of the topological phase transition in epitaxial graphene based Floquet topological insulator	Kumar A., Benjamin C.	Physical Sciences	Journal of Applied Physics	2021	331	0
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	331	0
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., Singh S.D., Ganguli T.	Physical Sciences	Journal of Applied Physics	2021	331	0
Role of 3d-4f exchange interaction and local anti-site defects in the magnetic and magnetocaloric properties of double perovskite Ho2CoMnO6compound	Mazumdar D., Das I.	Physical Sciences	Journal of Applied Physics	2021	331	7
Investigations on performance of PEDOT:PSS/V2O5 hybrid symmetric supercapacitor with redox electrolyte	Kanth S., Narayanan P., Betty C.A., Rao R., Kumar S.	Engineering Sciences;Physical Sci	Journal of Applied Polymer Science	2021	175	1
Superior electrical, mechanical and viscoelastic properties of CNTs coated carbon textile reinforced phenolic composite for high-performance structural applications	Kumar R., Kar K.K., Dasgupta K.	Engineering Sciences	Journal of Applied Polymer Science	2021	175	10
Multifiller nanocomposites containing gadolinium oxide and bismuth nanoparticles with enhanced X-ray attenuation property	Jayakumar S., Mani V., Saravanan T., Rajamanickam K., Prabhu A.D., Philip J.	Physical Sciences	Journal of Applied Polymer Science	2021	175	3
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	175	7
Changes in free volume and gas permeation properties of poly(vinyl alcohol) nanocomposite membranes modified using cage-structured polyhedral oligomeric silsesquic	Swapna V.P., Kaliyathan A.V., Abhisha V.S., Maria H.J., Nambissan P.M.G., Thom	Physical Sciences	Journal of Applied Polymer Science	2021	175	5
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	28	1
WALOP-South: A four-camera one-shot imaging polarimeter for PASIPHAE survey. Paper I-optical design	Maharana S., Kypriotakis J.A., Ramaprakash A.N., Rajarshi C., Anche R.M., Shrish	Physical Sciences	Journal of Astronomical Telescopes, Instruments, and Syst	2021	27	0
Building Strategies into QBF Proofs	Beyersdorff O., Blinkhorn J., Mahajan M.	Mathematical Sciences	Journal of Automated Reasoning	2021	56	2
'BhAVI-23'-A spice-herb based dietary infusion possessing in-vitro anti-viral potential	Saxena S., Kumar S., Hajare S.N., Gupta S., Gautam S., Ghosh S.K.	Life Sciences	Journal of Ayurveda and Integrative Medicine	2021	29	3
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	255	0
Molecular insights into replication initiation in a multipartite genome harboring bacterium Deinococcus radiodurans	Maurya G.K., Chaudhary R., Pandey N., Misra H.S.	Life Sciences	Journal of Biological Chemistry	2021	528	1
Structural insights into the mechanism of pH-selective substrate specificity of the polysaccharide lyase Smlt1473	Pandey S., Mahanta P., Berger B.W., Acharya R.	Life Sciences	Journal of Biological Chemistry	2021	528	0
Identification of a copper ion recognition peptide sequence in the subunit II of cytochrome c oxidase: a combined theoretical and experimental study	Dutta Gupta D., Mandal I., Nayak C., Jha S.N., Bhattacharyya D., Venkatramani R	Physical Sciences	Journal of Biological Inorganic Chemistry	2021	106	1
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	73	0
Theoretical model study of adsorbed antimalarial-graphene dimers: doping effects, photophysical parameters, intermolecular interactions, edge adsorption, and SERS	Ullah Z., Sonawane P.M., Mary Y.S., Mary Y.S., Mane P., Chakraborty B., Churchil	Physical Sciences	Journal of Biomolecular Structure and Dynamics	2021	73	3
Molecular basis for reduced cleavage activity and drug resistance in D30N HIV-1 protease	Bihani S.C., Gupta G.D., Hosur M.V.	Life Sciences	Journal of Biomolecular Structure and Dynamics	2021	73	0
Heat-induced transitions of an empty minute virus of mice capsid in explicit water: all-atom MD simulation	Pathak A.K., Bandyopadhyay T.	Chemical Sciences	Journal of Biomolecular Structure and Dynamics	2021	73	0
Interaction of esculetin with aluminium ion by spectroscopic studies and isothermal titration calorimetry: a probable molecule for chelation therapy	Deokar R.G., Barooah N., Barik A.	Chemical Sciences	Journal of Biomolecular Structure and Dynamics	2021	73	0
Computational analysis identifies druggable mutations in human rBAT mediated Cystinuria	Pandey B., Aarthy M., Sharma M., Singh S.K., Kumar V.	Chemical Sciences;Life Sciences	Journal of Biomolecular Structure and Dynamics	2021	73	2
Helix-coil transition and conformational deformity in AÎ² 42-monomer: a case study using the Zn2+ cation	Chowdhury U.D., Bhargava B.L.	Chemical Sciences	Journal of Biomolecular Structure and Dynamics	2021	73	0
In silico structural analysis of secretory clusterin to assess pathogenicity of mutations identified in the evolutionarily conserved regions	Das L., Shekhar S., Chandrani P., Varma A.K.	Medical and Health Sciences	Journal of Biomolecular Structure and Dynamics	2021	73	0
BSA-drug-ZnO-PEI conjugates interaction with glycans of gp60 endothelial cell receptor protein for targeted drug delivery: a comprehensive spectroscopic study	Kumari N., Mathe V.L., Krishna C.M., Dongre P.M.	Life Sciences	Journal of Biomolecular Structure and Dynamics	2021	73	0
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., Joshi R., Waghmare S.K	Life Sciences	Journal of Biomolecular Structure and Dynamics	2021	73	1
Effects of mobile phone emissions on human red blood cells	Chowdhury A., Singh Y., Das U., Waghmare D., Dasgupta R., Majumder S.K.	Physical Sciences	Journal of Biophotonics	2021	70	1
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	75	0
New insights into the activation of Radiation Desiccation Response regulon in Deinococcus radiodurans	Narasimha A., Basu B.	Life Sciences	Journal of Biosciences	2021	75	3
Is pseudoexfoliation glaucoma a neurodegenerative disorder?	Padhy B., Alone D.P.	Life Sciences	Journal of Biosciences	2021	75	0
Overexpression of rice OsWNK9 promotes arsenite tolerance in transgenic Arabidopsis plants	Manuka R., Saddhe A.A., Srivastava A.K., Kumar K., Penna S.	Life Sciences	Journal of Biotechnology	2021	164	5
Project ECHO Cancer Initiative: a Tool to Improve Care and Increase Capacity Along the Continuum of Cancer Care	Varon M.L., Baker E., Byers E., Cirolia L., Bogler O., Bouchonville M., Schmeler K.,	Medical and Health Sciences	Journal of Cancer Education	2021	45	2
Implementation of a visual feedback system for motion management during radiation therapy	Swamidas J., Rose J., Chopra S., Paul S., Joshi K., Panda S., Ph R., Agarwal J.	Medical and Health Sciences	Journal of Cancer Research and Therapeutics	2021	43	0
A Survey of the Practice of Thoracic Anesthesia in India	Parab S.Y., Patro A., Ranganathan P., Shetmahajan M.	Medical and Health Sciences	Journal of Cardiothoracic and Vascular Anesthesia	2021	87	0
DUSP6 regulates radiosensitivity in glioblastoma by modulating the recruitment of phosphorylated DNAPKcs at DNA double-strand breaks	Nair J., Syed S.B., Mahaddalkar T., Ketkar M., Thorat R., Goda J.S., Dutt S.	Life Sciences;Medical and Health	Journal of Cell Science	2021	289	0
Nuclear localization of p65 reverses therapy-induced senescence	Salunkhe S., Mishra S.V., Nair J., Shah S., Gardi N., Thorat R., Sarkar D., Rajendra	Life Sciences	Journal of Cell Science	2021	289	3
Spodium Bonds in Biological Systems: Expanding the Role of Zn in Protein Structure and Function	Biswal H.S., Kumar Sahu A., Frontera A., BauzÃ¡ A.	Chemical Sciences	Journal of Chemical Information and Modeling	2021	169	5
Water accelerates the hydrogen-bond dynamics and abates heterogeneity in deep eutectic solvent based on acetamide and lithium perchlorate	Srinivasan H., Sharma V.K., Mitra S.	Physical Sciences	Journal of Chemical Physics	2021	361	5
Hard core lattice gas with third next-nearest neighbor exclusion on triangular lattice: One or two phase transitions?	Jaleel A.A.A., Mandal D., Rajesh R.	Physical Sciences	Journal of Chemical Physics	2021	361	2
Benchmark test of a dispersion corrected revised Tao-Mo semilocal functional for thermochemistry, kinetics, and noncovalent interactions of molecules and solids	Jana S., Myneni H., Åšmiga S., Constantin L.A., Samal P.	Physical Sciences	Journal of Chemical Physics	2021	361	1
Bandgap of two-dimensional materials: Thorough assessment of modern exchange-correlation functionals	Tran F., Doumont J., Kalantari L., Blaha P., Rauch T., Borlido P., Botti S., Marques	Physical Sciences	Journal of Chemical Physics	2021	361	6
Accurate density functional made more versatile	Jana S., Behera S.K., Åšmiga S., Constantin L.A., Samal P.	Physical Sciences	Journal of Chemical Physics	2021	361	5
Binary mixtures of ionic liquids: Ideal, non-ideal, or quasi-ideal?	Chakraborty M., Barik S., Mahapatra A., Sarkar M.	Chemical Sciences	Journal of Chemical Physics	2021	361	4
Photodissociation of o-xylene at 266 nm: imaging the CH3 dissociation channel	Mishra S., Bejoy N.B., Kawade M., Upadhyaya H.P., Patwari G.N.	Chemical Sciences	Journal of Chemical Sciences	2021	54	1
Investigation of lanthanide complexation with acetohydroxamic acid in nitrate medium: experimental and DFT studies	Pati A., Bhattacharyya A., Pujari P.K., Kundu T.K.	Chemical Sciences	Journal of Chemical Sciences	2021	54	0
Calorimetric investigations on lithium based ceramics	Samui P., Modi K.B., Phapale S., Parida S.C., Mishra R.	Chemical Sciences	Journal of Chemical Thermodynamics	2021	94	1
Thermodynamic properties over <GdAl2(cr) + GdAl(cr)> two phase region of Gd–Al system: Knudsen effusion mass spectrometric study	Trinadh V.V., Manikandan P., Brahmananda Rao C.V.S., Lakshmi Narasimhan T.S	Chemical Sciences	Journal of Chemical Thermodynamics	2021	94	0
The standard molar enthalpies of formation of PbBi12O19(s) and ϕ-Pb5Bi8O17(s) by solution calorimetry	Shyamkumar S., Reshmi P.R., Muthuambika T., Parida S.K., Ganesan R.	Chemical Sciences	Journal of Chemical Thermodynamics	2021	94	1
Highly efficient uptake of tetravalent actinide ions from nitric acid feeds using an extraction chromatography material containing tetra-n-butyl diglycolamide and a room	Yadav A.G., Gujar R.B., Mohapatra P.K., Valsala T.P., Sathe D.B., Bhatt R.B., Verb	Chemical Sciences	Journal of Chromatography A	2021	237	2
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	237	0
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., Valsala T.P., Sathe D.B	Chemical Sciences	Journal of Chromatography A	2021	237	1
Selective uptake of thorium(IV) from nitric acid medium using two extraction chromatographic resins based on diglycolamide-calix[4]arenes: Application to thorium-uran	Gujar R.B., Mohapatra P.K., Iqbal M., Huskens J., Verboom W.	Chemical Sciences	Journal of Chromatography A	2021	237	3
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., Verboom W.	Chemical Sciences	Journal of Chromatography A	2021	237	5
Comparative uptake studies on trivalent f-cations from acidic feeds using two extraction chromatography resins containing a diglycolamide in molecular diluent and ionic	Gujar R.B., Yadav A.G., Mohapatra P.K., Valsala T.P., Sathe D.B., Bhatt R.B., Verb	Chemical Sciences	Journal of Chromatography A	2021	237	3
Actinide ion uptake from acidic radioactive feeds using an extraction chromatographic resin containing a branched dialkyl amide	Gujar R.B., Ansari S.A., Mohapatra P.K.	Chemical Sciences	Journal of Chromatography A	2021	237	3
Clean methodology for nuclear laboratory waste remediation: Part-II: Recovery of Americium	Pillai J.S., Srivastava A., Ansari S.A., Chaudhury S.	Chemical Sciences	Journal of Cleaner Production	2021	232	1
Correlation of Clinicopathological Profile, Prognostic Factors, and Survival Outcomes with Baseline Alfa-Fetoprotein Levels in Patients With Hepatocellular Carcinoma: A B	Jearth V., Patil P.S., Mehta S., Sundaram S., Seth V., Goel M., Patkar S., Bal M., Ra	Medical and Health Sciences	Journal of Clinical and Experimental Hepatology	2021	39	0
Clinico-radiological characteristics, histo-pathological features and long-term survival outcomes in central neurocytoma: A single-institutional audit	Pawar D., Chatterjee A., Epari S., Sahay A., Janu A., Krishnatry R., Goda J.S., Shet	Medical and Health Sciences	Journal of Clinical Neuroscience	2021	85	0
Late Toxicity After Adjuvant Conventional Radiation Versus Image-Guided Intensity-Modulated Radiotherapy for Cervical Cancer (PARCER): A Randomized Controlled Tria	Chopra S., Gupta S., Kannan S., Dora T., Engineer R., Mangaj A., Maheshwari A.,	Life Sciences;Medical and Health	Journal of Clinical Oncology	2021	574	22
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 R., Bakshi G., Prakash G	Medical and Health Sciences	Journal of Clinical Oncology	2021	574	56
The effect of COVID-19: Adopted changes and their impact on management of musculoskeletal oncology care at a tertiary referral centre	Prajapati A., Gupta S., Nayak P., Gulia A., Puri A.	Medical and Health Sciences	Journal of Clinical Orthopaedics and Trauma	2021	28	0
Implant cement spacer-a cost-effective solution for reconstruction of proximal humerus defects after tumor resection	Gulia A., Raj B K A., Gupta S., Patil A., Puri A.	Medical and Health Sciences	Journal of Clinical Orthopaedics and Trauma	2021	28	0
Elbow reconstruction after excision of proximal ulna tumors: Challenges and solutions	Gulia A., Pruthi M., Gupta S., Nadkarni S.	Medical and Health Sciences	Journal of Clinical Orthopaedics and Trauma	2021	28	0
Musculoskeletal oncology reconstructions in India – Changes in this millennium!	Puri A.	Medical and Health Sciences	Journal of Clinical Orthopaedics and Trauma	2021	28	0
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	Journal of Clinical Orthopaedics and Trauma	2021	28	0
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	49	1
Morphology-dependent optical and wetting behavior of GLAD PTFE thin films	De R., Haque S.M., Singh R., Basak C.B., Jena S., Misal J.S., Shinde D.D., Som T., F	Engineering Sciences;Physical Sci	Journal of Coatings Technology and Research	2021	46	0
Spinel NiFe2O4 nanoparticles decorated 2D Ti3C2 MXene sheets for efficient water splitting: Experiments and theories	Shinde P.V., Mane P., Chakraborty B., Sekhar Rout C.	Physical Sciences	Journal of Colloid and Interface Science	2021	247	10
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., Mamontov E.	Physical Sciences	Journal of Colloid and Interface Science	2021	247	1
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	97	8
A weight function method for selection of proteins to predict an outcome using protein expression data	Vishwakarma G.K., Thomas A., Bhattacharjee A.	Medical and Health Sciences	Journal of Computational and Applied Mathematics	2021	127	0
Modified Houdek vault applicator for high-dose-rate brachytherapy: A technical report and case series	Krishnamurthy R., Gurram L., Ghadi Y., Aravindhan D., Scaria L., Kohle S., Kadam	Medical and Health Sciences	Journal of Contemporary Brachytherapy	2021	26	0
Quantitative and qualitative application of clinical drawings for image-guided brachytherapy in cervical cancer patients	Mahantshetty U., Banerjee S., Sturdza A., Kirisits C., Majercakova K., Schmid M.P	Medical and Health Sciences	Journal of Contemporary Brachytherapy	2021	26	0
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 R., Gaikar M., Verma S.,	Medical and Health Sciences	Journal of Contemporary Brachytherapy	2021	26	1
Inflation story: Slow-roll and beyond	Hazra D.K., Paoletti D., Debono I., Shafieloo A., Smoot G., Starobinsky A.	Physical Sciences	Journal of Cosmology and Astroparticle Physics	2021	127	1
Probing primordial features with the stochastic gravitational wave background	Braglia M., Chen X., Hazra D.K.	Physical Sciences	Journal of Cosmology and Astroparticle Physics	2021	127	20
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	127	2
Exploring multimessenger signals from heavy dark matter decay with EDGES 21-cm result and IceCube	Halder A., Pandey M., Majumdar D., Basu R.	Physical Sciences	Journal of Cosmology and Astroparticle Physics	2021	127	1
Baryogenesis from ultralight primordial black holes and strong gravitational waves from cosmic strings	Datta S., Ghosal A., Samanta R.	Physical Sciences	Journal of Cosmology and Astroparticle Physics	2021	127	13
Investigations on aqueous solution grown L-Arginine Phosphate monohydrate (LAP) single crystals for efficient THz generation	Arjun K., Ganesh D., Karthick S., Santha A., Venkatesh M., Ganesamoorthy S., Bra	Physical Sciences	Journal of Crystal Growth	2021	155	1
Growth and characterization of Dy1-xYxMnO3 single crystals by optical floating zone technique: A combined X-ray diffraction and DC magnetization study	Aravinth Kumar P., Kumar A., Kumar K., Singh P., Anandha Babu G., Vijayakumar	Physical Sciences	Journal of Crystal Growth	2021	155	1
Is diagnosis of low-grade urothelial carcinoma possible in urine cytology?	Bansal S., Pathuthara S., Joseph S., Dighe S., Menon S., Desai S.	Medical and Health Sciences	Journal of Cytology	2021	18	1
Predictive biomarkers of cardiovascular disease in adult Canadian population	Pahwa P., Chu L., Karunanayake C., Aich P., Hecker M., Saxena A., Griebel P., Niy	Life Sciences	Journal of Diabetes and Metabolic Disorders	2021	37	0
Development of water-dispersible gelatin stabilized hydroxyapatite nanoformulation for curcumin delivery	Verma G., Gajipara A., Shelar S.B., Priyadarsini K.I., Hassan P.A.	Chemical Sciences	Journal of Drug Delivery Science and Technology	2021	52	2
A facile strategy for synthesis of a broad palette of intrinsically radiolabeled chitosan nanoparticles for potential use in cancer theranostics	Gaikwad G., Rohra N., Kumar C., Jadhav S., Sarma H.D., Borade L., Chakraborty S	Chemical Sciences	Journal of Drug Delivery Science and Technology	2021	52	4
Void Fraction Measurement System for Steady State Horizontal Two Phase Liquid Nitrogen Flow	Singh G.K., Purwar G., Patel R., Nimavat H., Sharma R., Panchal R., Tanna V.L.	Engineering Sciences	Journal of Electrical and Electronics Engineering	2021	8	0
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 M., Pillai J.S., Rawat N.	Chemical Sciences	Journal of Electroanalytical Chemistry	2021	163	0
Probing the interaction of ciprofloxacin with dsDNA: Electrochemical, spectro-electrochemical and AFM investigation	Ipte P.R., Sharma A., Pal H., Satpati A.K.	Chemical Sciences	Journal of Electroanalytical Chemistry	2021	163	4
Redox behaviour of CaCl2 melts in presence of moisture as impurity. Part I: Cyclic voltammetry	Mukherjee A., Kumaresan R., Ghosh S.	Chemical Sciences	Journal of Electroanalytical Chemistry	2021	163	0
Redox behaviour of CaCl2 melts in presence of moisture as impurity. Part II: Electrochemical impedance spectroscopy	Mukherjee A., Kumaresan R., Ghosh S.	Chemical Sciences	Journal of Electroanalytical Chemistry	2021	163	0
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., Karnal A.K.	Physical Sciences	Journal of Electrochemical Science and Technology	2021	14	0
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	53	0
First-Principles Study of Structural, Electronic, Magnetic and Elastic Properties of the Mn2XSb (X = Co, Fe) Inverse Heusler Alloys	Aravindan V., Rajarajan A.K., Mahendran M.	Physical Sciences	Journal of Electronic Materials	2021	102	8
Enhanced Magnetoelectric Effects in Self-Assembled Hemispherical Close-Packed CoFe2O3-Pb(Zr0.52Ti0.48)O3 Thin Film	Meenachisundaram S., Wakiya N., Muthamizhchelvan C., Gangopadhyay P., Saka	Physical Sciences	Journal of Electronic Materials	2021	102	4
Magnetoelectric Studies of Close-Packed and Hierarchically Ordered CoFe2O4/Pb(Zr0.52Ti0.48)O3/La0.6Sr0.4MnO3/LaNiO3 Multiferroic Thin Films	Meenachisundaram S., Wakiya N., Muthamizhchelvan C., Gangopadhyay P., Saka	Physical Sciences	Journal of Electronic Materials	2021	102	1
Design, fabrication, testing and operation of a simulation facility for high temperature molten salt studies	Yadavalli H.V., Krishna Mohan T.V., Rangarajan S., Albert S.K.	Engineering Sciences	Journal of Engineering, Design and Technology	2021	26	1
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	34	1
Gamma rays induced morphological, flowering and palynological modifications in horse gram (Macrotyloma uniflorum)	Priyanka S., Sudhagar R., Vanniarajan C., Ganesamurthy K., Souframanien J.	Life Sciences	Journal of Environmental Biology	2021	51	0

Induction of genetic variability for quantitative traits in horsegram (Macrotyloma uniflorum) through irradiation mutagenesis	Priyanka S., Sudhagar R., Vanniarajan C., Ganesamurthy K., Souframanien J.	Life Sciences	Journal of Environmental Biology	2021	51	2
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., Sengupta A.	Chemical Sciences	Journal of Environmental Chemical Engineering	2021	90	4
Aquatic speciation of Eu(III) with N-(hydroxyl ethyl)iminodiacetic acid (HEIDA), a major degradation product of organic radioactive waste	Sharma S., Dumpala R.M.R., Yadav A.K., Rawat N.	Chemical Sciences	Journal of Environmental Chemical Engineering	2021	90	1
Bionics inspired modified two-dimensional MXene composite membrane for high-throughput dye separation	Lin Q., Liu Y., Zeng G., Li X., Wang B., Cheng X., Sengupta A., Yang X., Feng Z.	Chemical Sciences	Journal of Environmental Chemical Engineering	2021	90	14
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., Singhal R.K., Basu H., Udayash	Chemical Sciences	Journal of Environmental Chemical Engineering	2021	90	7
Aqueous soluble ‘N’ donor heterocyclic ligands for the mutual separation of Am3+ and Eu3+: Solvent extraction, flat sheet supported liquid membrane and hollow fiber n	Bhattacharyya A., Kanekar A.S., Karthikeyan N.S., Ravichandran C., Venkatachala	Chemical Sciences	Journal of Environmental Chemical Engineering	2021	90	3
Development of biogenic bimetallic Pd/Fe nanoparticle–impregnated aerobic microbial granules with potential for dye removal	Kubendiran H., Alex S.A., Pulimi M., Chandrasekaran N., Nancharaiah Y.V., Venug	Life Sciences	Journal of Environmental Management	2021	196	4
Surface modified and functionalized graphene oxide membranes for separation of strontium from aqueous solutions	Vishwakarma R.K., Narayanam P.K., R. U., K. S.	Chemical Sciences	Journal of Environmental Management	2021	196	1
Transfer of radionuclides from soil to selected tropical plants of Indian Subcontinent: A review	Rout S., Yadav S., Pulhani V.	Chemical Sciences	Journal of Environmental Radioactivity	2021	96	4
Performance of radio-iodine discharge control methods of nuclear reprocessing plants	Umadevi K., Mandal D.	Engineering Sciences	Journal of Environmental Radioactivity	2021	96	4
Evaluation of BenzoDODA grafted polymeric resin for rapid and reliable assaying of plutonium in sediment samples	Pant A.D., Ruhela R., Limje C., Anil Kumar S., Singh A.K., Kumar S.A., Sugandhi S.,	Chemical Sciences;Engineering Sc	Journal of Environmental Radioactivity	2021	96	0
A review of soil to rice transfer of radionuclides in tropical regions of Indian subcontinent	Rout S., Pulhani V., Yadav S.	Chemical Sciences	Journal of Environmental Radioactivity	2021	96	2
Probing the interaction of anti-HIV drug Darunavir with dsDNA and HSA using electrochemical and spectroscopic measurements	Ipte P.R., Manna S., Sahoo S., Satpati A.K.	Chemical Sciences	Journal of Environmental Science and Health - Part A Toxic	2021	76	0
Evidences on As(III) and As(V) interaction with iron(III) oxides: Hematite and goethite	Ajith N., Satpati A.K., Debnath A.K., Swain K.K.	Chemical Sciences;Physical Scien	Journal of Environmental Science and Health - Part A Toxic	2021	76	1
A Nitronaphthalimide Probe for Fluorescence Imaging of Hypoxia in Cancer Cells	Kumari R., Vasumathy R., Sunil D., Ningthoujam R.S., Pandey B.N., Kulkarni S.D.,	Chemical Sciences;Life Sciences	Journal of Fluorescence	2021	74	1
Development of a YF3:ThF4 membrane for the possibility of determining fluoride	Ravindranath N.A., Lakshmigandhan I., Lakshmi K U., Gnanasekar K.I., Jayaramar	Chemical Sciences	Journal of Fluorine Chemistry	2021	93	0
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	191	1
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	81	2
Control of post-harvest storage losses in water chestnut (Trapa bispinosa Roxburg) fruits by natural functional herbal coating and gamma radiation processing	Hussain N., Shukla S.S., Dubey A.D., Gautam S., Tripathi J.	Life Sciences	Journal of Food Science and Technology	2021	81	0
Arveson's characterisation of CCR flows: The multiparameter case	Sundar S.	Mathematical Sciences	Journal of Functional Analysis	2021	101	2
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 Su	Bhattacharya A., Ghosh J., Chowdhuri M.B., De A.	Physical Sciences	Journal of Fusion Energy	2021	30	0
Metastasis to Appendix Presenting as Acute Appendicitis—A Rare Case Report and Review of Literature	Yadav S., Mittal N., Kumar R., Janu A., Prabhash K.	Medical and Health Sciences	Journal of Gastrointestinal Cancer	2021	49	0
Current Opinion on Peritoneal Carcinomatosis Treatment: a Survey of the Indian Society of Peritoneal Surface Malignancies (ISPSM)	Martin D., Grass F., Deo S.V.S., Ashwin K.R., Maheshwari A., Hübner M., Somash	Medical and Health Sciences	Journal of Gastrointestinal Cancer	2021	49	1
Towards Standardization of Liver Resections in India: Five Hundred Consecutive Oncological Liver Resections- Trends, Techniques and Outcomes	Patkar S., Parray A., Kanetkar A., Shetty N., Kulkarni S., Goel M.	Medical and Health Sciences	Journal of Gastrointestinal Cancer	2021	49	0
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	49	0
Red Cell Distribution Width and Gallbladder Cancer: Is It Really Useful?	Kattepur A.K., Patkar S., Ramaswamy A., Ostwal V., Goel M.	Medical and Health Sciences	Journal of Gastrointestinal Cancer	2021	49	0
Does Preoperative Serum Neutrophil to Lymphocyte Ratio (NLR), Platelet to Lymphocyte Ratio (PLR), and Lymphocyte to Monocyte Ratio (LMR) Predict Prognosis Followi	Gupta V., Chaudhari V., Shrikhande S.V., Bhandare M.S.	Medical and Health Sciences	Journal of Gastrointestinal Cancer	2021	49	2
Portal Annular Pancreas (PAP): an Underestimated Devil in Pancreatic Surgery—Systematic Review of Literature and Case Report	Pandrowala S., Parray A., Chaudhari V., Shrikhande S.V., Bhandare M.S.	Medical and Health Sciences	Journal of Gastrointestinal Surgery	2021	131	1
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., Venkatraman B.	Physical Sciences	Journal of Geophysical Research: Atmospheres	2021	106	3
Physical Origin of Short Scale Plasma Structures in the Auroral F Region	Bisai N., Sen A.	Physical Sciences	Journal of Geophysical Research: Space Physics	2021	181	0
Cost-Effectiveness of Temozolamide for Treatment of Glioblastoma Multiforme in India	Gupta N., Prinja S., Patil V., Bahuguna P.	Medical and Health Sciences	Journal of Global Oncology	2021	12	6
Giant cell tumour of hand bones: outcomes of treatment	Puri A., Rajalbandi R., Gulia A.	Medical and Health Sciences	Journal of Hand Surgery: European Volume	2021	83	1
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., Sapra B.K.	Physical Sciences	Journal of Hazardous Materials	2021	307	2
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., Srivastava A.K., Jaiswal M.K.,	Life Sciences	Journal of Hazardous Materials	2021	307	11
Tracking the time-dependent and tissue-specific processes of arsenic accumulation and stress responses in rice (Oryza sativa L.)	Yadav P., Srivastava S., Patil T., Raghuvanshi R., Srivastava A.K., Suprasanna P.	Life Sciences	Journal of Hazardous Materials	2021	307	9
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., Conradson S.D., Qin S., Fu H., Mc	Chemical Sciences	Journal of Hazardous Materials	2021	307	7
Uranium sequestration abilities of Bacillus bacterium isolated from an alkaline mining region	Banala U.K., Indradyumna Das N.P., Toleti S.R.	Life Sciences	Journal of Hazardous Materials	2021	307	4
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	307	2
Simultaneous Separation of Pd, Rh, and Ru from Simulated Radwaste Using Tin as the Solvent Metal prior to Final Vitrification into Borosilicate Glass: An Attempt to Reco	Parida S.K., Jena H.	Chemical Sciences	Journal of Hazardous, Toxic, and Radioactive Waste	2021	31	1
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., Chatterjee S., Dragicevic I	Physical Sciences	Journal of High Energy Physics	2021	238	1
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 P., Baxter S., Bayatmak	Physical Sciences	Journal of High Energy Physics	2021	238	2
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., Chatterjee S., Dragicevic I	Physical Sciences	Journal of High Energy Physics	2021	238	0
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., Dragicevic M., Escalante De	Physical Sciences	Journal of High Energy Physics	2021	238	1
Measurement of prompt open-charm production cross sections in proton-proton collisions at √s = 13 TeV	Tumasyan A., Adam W., Ambrogi F., Bergauer T., Dragicevic M., Erö J., Escalante	Physical Sciences	Journal of High Energy Physics	2021	238	0
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., Chatterjee S., Dragicevic I	Physical Sciences	Journal of High Energy Physics	2021	238	11
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., Chatterjee S., Dragicevic I	Physical Sciences	Journal of High Energy Physics	2021	238	0
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., Chatterjee S., Dragicevic I	Physical Sciences	Journal of High Energy Physics	2021	238	4
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., Chatterjee S., Dragicevic I	Physical Sciences	Journal of High Energy Physics	2021	238	1
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., Chatterjee S., Dragicevic I	Physical Sciences	Journal of High Energy Physics	2021	238	2
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., Chatterjee S., Dragicevic I	Physical Sciences	Journal of High Energy Physics	2021	238	3
Exploring the new physics phases in 3+1 scenario in neutrino oscillation experiments	Fiza N., Masud M., Mitra M.	Physical Sciences	Journal of High Energy Physics	2021	238	0
Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at √s = 13 TeV	Sirunyan A.M., Tumasyan A., Adam W., Andrejkovic J.W., Bergauer T., Chatterjee	Physical Sciences	Journal of High Energy Physics	2021	238	18
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., Bergauer T., Chatterjee	Physical Sciences	Journal of High Energy Physics	2021	238	32
Study of Drell-Yan dimuon production in proton-lead collisions at √sNN = 8.16 TeV	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Dragicevic M., E	Physical Sciences	Journal of High Energy Physics	2021	238	3
First measurement of large area jet transverse momentum spectra in heavy-ion collisions	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Dragicevic M., E	Physical Sciences	Journal of High Energy Physics	2021	238	7
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., Bergauer T., Dragicevic M., E	Physical Sciences	Journal of High Energy Physics	2021	238	1
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., Dragicevic M., Escalante De	Physical Sciences	Journal of High Energy Physics	2021	238	0
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	238	4
Measurement of b jet shapes in proton-proton collisions at √s = 5.02 TeV	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Dragicevic M., E	Physical Sciences	Journal of High Energy Physics	2021	238	0
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., Dragicevic M., Escalante De	Physical Sciences	Journal of High Energy Physics	2021	238	3
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., Dragicevic M., Erö J., Escala	Physical Sciences	Journal of High Energy Physics	2021	238	2
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., Dragicevic M., Escalante De	Physical Sciences	Journal of High Energy Physics	2021	238	25
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., Dragicevic M., Escalante De	Physical Sciences	Journal of High Energy Physics	2021	238	16
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., Bergauer T., Dragicevic M., E	Physical Sciences	Journal of High Energy Physics	2021	238	14
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., Dragicevic M., Escalante De	Physical Sciences	Journal of High Energy Physics	2021	238	16
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., Dragicevic M., Erö J., Escala	Physical Sciences	Journal of High Energy Physics	2021	238	8
Scrutinizing vacuum stability in IDM with Type-III inverse seesaw	Bandyopadhyay P., Jangid S., Mitra M.	Physical Sciences	Journal of High Energy Physics	2021	238	3
Evidence for Higgs boson decay to a pair of muons	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Erö J., Escala	Physical Sciences	Journal of High Energy Physics	2021	238	45
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., Bergauer T., Dragicevic M., E	Physical Sciences	Journal of High Energy Physics	2021	238	2
First measurements of N-subjettiness in central Pb-Pb collisions at √sNN = 2.76 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agr	Physical Sciences	Journal of High Energy Physics	2021	238	0
MHV graviton scattering amplitudes and current algebra on the celestial sphere	Banerjee S., Ghosh S., Paul P.	Physical Sciences	Journal of High Energy Physics	2021	238	21
Normalization of type IIB D-instanton amplitudes	Sen A.	Physical Sciences	Journal of High Energy Physics	2021	238	1
Euclidean D-branes in type IIB string theory on Calabi-Yau threefolds	Alexandrov S., Sen A., Stefański B., Jr.	Physical Sciences	Journal of High Energy Physics	2021	238	1
Muti-instanton amplitudes in type IIB string theory	Sen A.	Physical Sciences	Journal of High Energy Physics	2021	238	0
Normalization of D-instanton amplitudes	Sen A.	Physical Sciences	Journal of High Energy Physics	2021	238	2
D-instantons, string field theory and two dimensional string theory	Sen A.	Physical Sciences	Journal of High Energy Physics	2021	238	2
D-instantons in Type IIA string theory on Calabi-Yau threefolds	Alexandrov S., Sen A., Stefański B., Jr.	Physical Sciences	Journal of High Energy Physics	2021	238	1
Moduli stabilisation and the statistics of axion physics in the landscape	Broeckel I., Cicoli M., Maharana A., Singh K., Sinha K.	Physical Sciences	Journal of High Energy Physics	2021	238	5
Cutkosky rules and unitarity (violation) in D-instanton amplitudes	Sen A.	Physical Sciences	Journal of High Energy Physics	2021	238	1
A relatively light, highly bino-like dark matter in the Z 3-symmetric NMSSM and recent LHC searches	Abdallah W., Datta A.K., Roy S.	Physical Sciences	Journal of High Energy Physics	2021	238	5
Poisson equation for genus two string invariants: a conjecture	Basu A.	Physical Sciences	Journal of High Energy Physics	2021	238	1
Integrating simple genus two string invariants over moduli space	Basu A.	Physical Sciences	Journal of High Energy Physics	2021	238	1
Divergent ⇒ complex amplitudes in two dimensional string theory	Sen A.	Physical Sciences	Journal of High Energy Physics	2021	238	7
The AdS 3 × S 1 chiral ring	Ashok S.K., Li S., Troost J.	Physical Sciences	Journal of High Energy Physics	2021	238	0
String scale thermal anti-de Sitter spaces	Ashok S.K., Troost J.	Physical Sciences	Journal of High Energy Physics	2021	238	3
On next to soft threshold corrections to DIS and SIA processes	Ajjath A.H., Mukherjee P., Ravindran V., Sankar A., Tiwari S.	Physical Sciences	Journal of High Energy Physics	2021	238	6
Superstrings in thermal anti-de Sitter space	Ashok S.K., Troost J.	Physical Sciences	Journal of High Energy Physics	2021	238	2
Constructing Carrollian CFTs	Gupta N., Suryanarayana N.V.	Physical Sciences	Journal of High Energy Physics	2021	238	2
Black hole hair removal for N = 4 CHL models	Chakrabarti S., Govindarajan S., Shanmugapriya P., Srivastava Y.K., Virmani A.	Physical Sciences	Journal of High Energy Physics	2021	238	1
On BPS strings in N = 4 Yang-Mills theory	Ashok S.K., Gupta V., Suryanarayana N.V.	Physical Sciences	Journal of High Energy Physics	2021	238	1
Evolution of neutrino mass-mixing parameters in matter with non-standard interactions	Agarwalla S.K., Das S., Masud M., Swain P.	Physical Sciences	Journal of High Energy Physics	2021	238	2
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 Rinella G., Agnello M., Agr	Physical Sciences	Journal of High Energy Physics	2021	238	2
Anisotropic flow of identified hadrons in Xe-Xe collisions at √sNN = 5.44 TeV	Acharya S., Adamová D., Adler A., Aglieri Rinella G., Agnello M., Agrawal N., Aha	Physical Sciences	Journal of High Energy Physics	2021	238	1
MHV gluon scattering amplitudes from celestial current algebras	Banerjee S., Ghosh S.	Physical Sciences	Journal of High Energy Physics	2021	238	12
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 Rinella G., Agnello M., Agr	Physical Sciences	Journal of High Energy Physics	2021	238	0
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	238	5
Subsubleading soft graviton symmetry and MHV graviton scattering amplitudes	Banerjee S., Ghosh S., Samal S.S.	Physical Sciences	Journal of High Energy Physics	2021	238	2
Long- and short-range correlations and their event-scale dependence in high-multiplicity pp collisions at √s = 13 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agr	Physical Sciences	Journal of High Energy Physics	2021	238	3
Measurement of beauty and charm production in pp collisions at √s = 5.02 TeV via non-prompt and prompt D mesons	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Agr	Physical Sciences	Journal of High Energy Physics	2021	238	14
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 M.M., Agha S., Aglieri R	Physical Sciences	Journal of High Energy Physics	2021	238	1
Classifying three-character RCFTs with Wronskian index equalling 0 or 2	Das A., Gowdigere C.N., Santara J.	Physical Sciences	Journal of High Energy Physics	2021	238	2
An entropy current and the second law in higher derivative theories of gravity	Bhattacharyya S., Dhivakar P., Dinda A., Kundu N., Patra M., Roy S.	Physical Sciences	Journal of High Energy Physics	2021	238	0
Wronskian indices and rational conformal field theories	Das A., Gowdigere C.N., Santara J.	Physical Sciences	Journal of High Energy Physics	2021	238	3
Relativistic non-resistive viscous magnetohydrodynamics from the kinetic theory: a relaxation time approach	Panda A.K., Dash A., Biswas R., Roy V.	Physical Sciences	Journal of High Energy Physics	2021	238	4
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	238	6
A new approach to probe non-standard interactions in atmospheric neutrino experiments	Kumar A., Khatun A., Agarwalla S.K., Dighe A.	Physical Sciences	Journal of High Energy Physics	2021	238	5
Entanglement entropy and the first law at third order for boosted black branes	Maulik S., Singh H.	Physical Sciences	Journal of High Energy Physics	2021	238	2
Genetic association of MMP14 promoter variants and their functional significance in gallbladder cancer pathogenesis	Vinay J., Mishra D., Meher D., Dash S., Besra K., Pattnaik N., Singh S.P., Dixit M.	Life Sciences	Journal of Human Genetics	2021	84	2
Living with Barren Truths: A Tale of Triumphalism and Tribulations of a Technology	Mohanty S., Sahoo S., Swain P.K.	Applied Systems Analysis	Journal of Human Values	2021	15	0
Tracing the isotopic signatures of cryospheric water and establishing the altitude effect in Central Himalayas: A tool for cryospheric water partitioning	Pant N., Semwal P., Khobragade S.D., Rai S.P., Kumar S., Dubey R.K., Noble J., Jos	Engineering Sciences	Journal of Hydrology	2021	241	3
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., Gupta G.D., Damle A.	Life Sciences	Journal of Immunological Methods	2021	137	2
Upper transversal hepatectomy for pediatric liver tumors based on the inferior right hepatic vein	Kazi M.K., Qureshi S.S.	Medical and Health Sciences	Journal of Indian Association of Pediatric Surgeons	2021	18	0
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., Gupta D.N.	Physical Sciences	Journal of Infrared, Millimeter, and Terahertz Waves	2021	62	3
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 Structur	Ramakrishna K.S., Srinivas C., Prasad S.A.V., Kumar E.R., Rao K.R., Prajapat C.L., I	Physical Sciences	Journal of Inorganic and Organometallic Polymers and Ma	2021	51	8
Benchmarking LHC background particle simulation with the CMS triple-GEM detector	Abbas M., Abbrescia M., Abdalla H., Abdelalim A., AbuZeid S., Agapitos A., Ahma	Physical Sciences	Journal of Instrumentation	2021	82	0
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., Roychowdhury P., Dikshit E	Engineering Sciences	Journal of Instrumentation	2021	82	0
Development and characterization of a large area silicon pad array for an electromagnetic calorimeter	Mukhopadhyay S., Chandratre V.B., Muhuri S., Singaraju R.N., Saini J., Nayak T.K.	Physical Sciences	Journal of Instrumentation	2021	82	1
Schemes for producing multi-energy fast neutrons using a low-energy ion accelerator	Mishra G., Thomas R.G., Kumar A., De S., Mitra A., Pant L.M., Gupta A.K., Choud	Physical Sciences	Journal of Instrumentation	2021	82	0
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., Maheshwari P., Sharma S.	Chemical Sciences;Engineering Sc	Journal of Instrumentation	2021	82	0
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., Mulmule D., Patel T., Sarkar P.S	Physical Sciences	Journal of Instrumentation	2021	82	1
Performance of the CMS muon trigger system in proton-proton collisions at √s = 13 TeV	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Escalante De	Physical Sciences	Journal of Instrumentation	2021	82	5
Embedded system for ultrasonic imaging of under-water concrete structures	Jain H., Patankar V.H.	Engineering Sciences	Journal of Instrumentation	2021	82	1
A high speed frontend electronics ASIC for multi-channel single gap RPC detector	Sukhwani M., Chandratre V.B., Prasad K.H., Thomas M.	Physical Sciences	Journal of Instrumentation	2021	82	0
Measurement of light output response in scintillator based neutron detectors using quasi-monoenergetic neutrons	Roy A.S., Banerjee K., Roy P., Seth S., Rana T.K., Sen A., Pandit D., Kundu S., Ghos	Engineering Sciences;Physical Sci	Journal of Instrumentation	2021	82	1
Electron and photon reconstruction and identification with the CMS experiment at the CERN LHC	Sirunyan A.M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Escalante De	Physical Sciences	Journal of Instrumentation	2021	82	29
Analysis of transients in high voltage multipliers	Rajan R.N., Mitra A., Sharma D.K., Dewangan S., Patel R., Das S.H., Mondal J., Ba	Physical Sciences	Journal of Instrumentation	2021	82	0
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	82	0
Studies on charging-up of single Gas Electron Multiplier	Kumar V., Tripathy S., Bhattacharya P., Mukhopadhyay S., Majumdar N., Sarkar S	Physical Sciences	Journal of Instrumentation	2021	82	0
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., Pathak S.K.	Engineering Sciences	Journal of Instrumentation	2021	82	0
Comparative evaluation of analogue front-end designs for the CMS Inner Tracker at the High Luminosity LHC	Adam W., Bergauer T., BlÃ¶ch D., Dragicevic M., FrÃ¼hwirth R., Hinger V., Steini	Chemical Sciences	Journal of Instrumentation	2021	82	0
Selection of the silicon sensor thickness for the Phase-2 upgrade of the CMS Outer Tracker	Adam W., Bergauer T., BlÃ¶ch D., Dragicevic M., FrÃ¼hwirth R., Hinger V., Steinin	Chemical Sciences	Journal of Instrumentation	2021	82	0
Simulation of neutron background for a dark matter search experiment at JUSL	Banik S., Kashyap V.K.S., Ghosh S., Dutta S., Mohanty B., Meghna K.K., Bhattacha	Physical Sciences	Journal of Instrumentation	2021	82	3
The CMS Phase-1 pixel detector upgrade	Adam W., Bergauer T., BlÃ¶ch D., Dragicevic M., FrÃ¼hwirth R., Hinger V., Steinin	Chemical Sciences	Journal of Instrumentation	2021	82	7
Performance of a triple-GEM demonstrator in p p collisions at the CMS detector	Abbas M., Abbrescia M., Abdalla H., Abdelalim A., AbuZeid S., Agapitos A., Ahma	Physical Sciences	Journal of Instrumentation	2021	82	1
Numerical estimation of discharge probability in GEM-based detectors	Rout P.K., Kanishka R., Datta J., Roy P., Bhattacharya P., Mukhopadhyay S., Maju	Physical Sciences	Journal of Instrumentation	2021	82	0
Numerical qualification of eco-friendly gas mixtures for avalanche-mode operation of resistive plate chambers in INO-ICAL	Datta J., Tripathy S., Majumdar N., Mukhopadhyay S.	Physical Sciences	Journal of Instrumentation	2021	82	0
Fast simulation of avalanche and streamer in GEM detector using hydrodynamic approach	Rout P.K., Datta J., Roy P., Bhattacharya P., Mukhopadhyay S., Majumdar N., Sar	Physical Sciences	Journal of Instrumentation	2021	82	2
Commissioning and testing of pre-series triple GEM prototypes for CBM-MuCh in the mCBM experiment at the SIS18 facility of GSI	Kumar A., Agarwal A., Chatterjee S., Chattopadhyay S., Dubey A.K., Ghosh C., Na	Physical Sciences	Journal of Instrumentation	2021	82	0
Development and implementation of a time-based signal generation scheme for the muon chamber simulation of the CBM experiment at FAIR	Singhal V., Chatterjee S., Friese V., Chattopadhyay S.	Physical Sciences	Journal of Instrumentation	2021	82	0
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., Gayathri N., Mukherjee G	Physical Sciences	Journal of Instrumentation	2021	82	0
Design and development of a low cost Arduino controlled ethernet interfaced Majority Logic Unit	Dalal S., Bhaskar P., Banerjee K., Khan S.A., Bhattacharya C.	Physical Sciences	Journal of Instrumentation	2021	82	0
The story of critical care in Asia: a narrative review	Phua J., Lim C.-M., Faruq M.O., Nafees K.M.K., Du B., Gomersall C.D., Ling L., Div	Medical and Health Sciences	Journal of Intensive Care	2021	40	1
Automatic lung segmentation for the inclusion of juxtapleural nodules and pulmonary vessels using curvature based border correction	Singadkar G., Mahajan A., Thakur M., Talbar S.	Medical and Health Sciences	Journal of King Saud University - Computer and Informatic	2021	39	3
Illustration of missing data handling technique generated from hepatitis C induced hepatocellular carcinoma cohort study	Jose J., Vishwakarma G.K., Bhattacharjee A.	Medical and Health Sciences	Journal of King Saud University - Science	2021	45	0
Is routine neck dissection warranted at salvage laryngectomy?	Sharma S., Chaukar D.A., Bal M., D'Cruz A.K.	Medical and Health Sciences	Journal of Laryngology and Otology	2021	67	1
Radiation necrosis of the bone, cartilage or cervical soft-tissues following definitive high-precision radio(chemo)therapy for head-neck cancer: Uncommon and under-repo	Gupta T., Maheshwari G., Gudi S., Chatterjee A., Phurailatpam R., Prabhash K., B	Medical and Health Sciences	Journal of Laryngology and Otology	2021	67	0
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	24	0
Dual column HPLC method for determination of lanthanides in zirconium matrix	Telmore V.M., Kumar P., George J.P., Kannan S.	Chemical Sciences	Journal of Liquid Chromatography and Related Technologi	2021	51	0
Doped lanthanum cerate pyrochlore for multicolor luminescent phosphor: Decisive role of energy transfer and defects	Gupta S.K., Saikh Z., Sudarshan K., Bhattacharyya K., Kadam R.M.	Chemical Sciences	Journal of Luminescence	2021	119	3
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.B., Mao Y.	Chemical Sciences	Journal of Luminescence	2021	119	2
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	119	5
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., Goutam U.K., Karnal A.K.	Physical Sciences	Journal of Luminescence	2021	119	2
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 Leon H., Peredo M., Bose	Chemical Sciences	Journal of Luminescence	2021	119	7
Investigation of structural, magnetic and electronic properties of FeTa films for varying Ta concentration at different annealing temperatures	Jafri Y., Singh S., Gupta S., Fukuma Y., Sharma K., Gupta M., Reddy V.R., Sharma	Physical Sciences	Journal of Magnetism and Magnetic Materials	2021	179	2
Plausible multiferroic and magneto-electric behaviour of polycrystalline Bi0.85Gd0.05La0.1FeO3 at room temperature	Paul P., Rajarajan A.K., Kuila S., Vishwakarma P.N., Mandal B.P., Rao T.V.C.	Chemical Sciences;Physical Scien	Journal of Magnetism and Magnetic Materials	2021	179	1
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	179	1
Magnetic ordering of Ho and its role in the magnetization reversal and coercivity double peaks in the Ho3Fe5O12 garnet	Ghanathe M., Kumar A., da Silva I., Yusuf S.M.	Physical Sciences	Journal of Magnetism and Magnetic Materials	2021	179	4
Ground state spin structure of GdFeO3: A computational and experimental study	Paul P., Ghosh P.S., Rajarajan A.K., Babu P.D., Rao T.V.C.	Physical Sciences	Journal of Magnetism and Magnetic Materials	2021	179	1
Reconfiguring nanostructures in magnetic fluids using pH and magnetic stimulus for tuning optical properties	Kumar Mohapatra D., Zubarev A., Safronov A., Philip J.	Physical Sciences	Journal of Magnetism and Magnetic Materials	2021	179	3
Residual oxygen driven defect mediated room temperature magnetism in dilute nitrogen incorporated amorphous Al-N-O alloy thin film	Nath D., Deshpade U.P., Chandra Shekar N.V., Chakravarty S.	Physical Sciences	Journal of Magnetism and Magnetic Materials	2021	179	2
High magnetic fluid hyperthermia efficiency in copper ferrite nanoparticles prepared by solvothermal and hydrothermal methods	Kurian J., Lahiri B.B., Mathew M.J., Philip J.	Physical Sciences	Journal of Magnetism and Magnetic Materials	2021	179	5
Magnetic hyperthermia studies in magnetite ferrofluids based on bio-friendly oils extracted from Calophyllum inophyllum, Brassica juncea, Ricinus communis and Madhu	Gopika M.S., Lahiri B.B., Anju B., Philip J., Savitha Pillai S.	Physical Sciences	Journal of Magnetism and Magnetic Materials	2021	179	5

Effect of random anisotropy in stabilization of skyrmions and antiskyrmions	Pradhan G., Ojha B., Bedanta S.	Physical Sciences	Journal of Magnetism and Magnetic Materials	2021	179	1
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	179	0
Schottky-like anomaly in the heat capacity and magnetocaloric effect of charge-ordered single-crystalline (Sm, Ca, Sr)MnO3 compound	Mazumdar D., Das K., Das I.	Physical Sciences	Journal of Magnetism and Magnetic Materials	2021	179	0
Study of magnetic and magnetotransport properties in polycrystalline Pr0.6A'0.2Sr0.2MnO3 (A' ≡ Y, La) compounds: Observation of enhanced electron–electron interacti	Dutta A., Banik S., Das I.	Physical Sciences	Journal of Magnetism and Magnetic Materials	2021	179	0
Microstructure dependent magnetotransport properties in polycrystalline La0.7Sr0.3MnO3 ultrathin films on thermally oxidized Si substrates	Mandal S., Das I.	Physical Sciences	Journal of Magnetism and Magnetic Materials	2021	179	1
Study of modification of the magnetic and magnetocaloric properties with Gd doping in Sm-Sr based manganite compounds: Influence of short range charge-orbital orde	Mazumdar D., Das K., Das I.	Physical Sciences	Journal of Magnetism and Magnetic Materials	2021	179	6
Study of magnetic nanowires of amorphous Co20Fe60B20 prepared by oblique angle deposition on nanorippled substrate	Bukharia K., Karmakar P., Pandit P., Gupta A.	Physical Sciences	Journal of Magnetism and Magnetic Materials	2021	179	3
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	179	3
Study on hot cracking susceptibility of alloy 617M and an analysis on parameters used for its evaluation	Divya M., Dey H.C., Das C.R., Vasudevan M., Albert S.K.	Engineering Sciences	Journal of Manufacturing Processes	2021	64	0
Investigations on NiTi shape memory alloy thin wall structures through laser marking assisted wire arc based additive manufacturing	Singh S., Resnina N., Belyaev S., Jinoop A.N., Shukla A., Palani I.A., Paul C.P., Binc	Engineering Sciences;Physical Sci	Journal of Manufacturing Processes	2021	64	9
Modeling the Nano Indentation Behavior of Recast Layer and Heat Affected Zone on Reverse Micro EDMed Hemispherical Feature	Roy T., Sharma A., Ranjan P., Balasubramaniam R.	Engineering Sciences	Journal of Manufacturing Science and Engineering, Transa	2021	103	1
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 C.S.	Physical Sciences	Journal of Materials Chemistry A	2021	240	6
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., Mishra A.K., Sanyal A., Mo	Physical Sciences	Journal of Materials Chemistry A	2021	240	4
Recent advances in engineered metal oxide nanostructures for supercapacitor applications: Experimental and theoretical aspects	Kandasamy M., Sahoo S., Nayak S.K., Chakraborty B., Rout C.S.	Physical Sciences	Journal of Materials Chemistry A	2021	240	21
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., Delaire O., Shukla R., Ach	Chemical Sciences;Physical Scien	Journal of Materials Chemistry A	2021	240	1
Unveiling the genesis of the high catalytic activity in nickel phthalocyanine for electrochemical ammonia synthesis	Murmu S., Paul S., Kapse S., Thapa R., Chattopadhyay S., N. A., Jha S.N., Bhattach	Physical Sciences	Journal of Materials Chemistry A	2021	240	5
Two-dimensional transition metal phosphorous trichalcogenides (MPX3): a review on emerging trends, current state and future perspectives	Samal R., Sanyal G., Chakraborty B., Rout C.S.	Physical Sciences	Journal of Materials Chemistry A	2021	240	25
Chemo-specific designs for the enumeration of circulating tumor cells: advances in liquid biopsy	Singh B., Arora S., D'Souza A., Kale N., Aland G., Bharde A., Quadir M., Calderón	Medical and Health Sciences	Journal of Materials Chemistry B	2021	113	3
Pressure-induced chemical decomposition of copper orthovanadate (α-Cu3V2O8)	Díaz-Anichtchenko D., Turnbull R., Bandiello E., Anzellini S., Achary S.N., Errando	Chemical Sciences	Journal of Materials Chemistry C	2021	145	4
Metal-induced progressive alteration of conducting states in memristors for implementing an efficient analog memory: a DFT-supported experimental approach	Das D., Barman A., Sarkar P.K., Rajput P., Jha S.N., Hübner R., Kanjilal D., Johari P	Physical Sciences	Journal of Materials Chemistry C	2021	145	0
Understanding the origin of broad-band emission in CH3NH3PbBr3	Nandi P., Giri C., Topwal D.	Physical Sciences	Journal of Materials Chemistry C	2021	145	3
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	145	1
Assessment of Interfacial Interaction in Graphene Nanoplatelets and Carbon Fiber-Reinforced Epoxy Matrix Multiscale Composites and Its Effect on Mechanical Behavior	Jain V., Bisht A., Jaiswal S., Dasgupta K., Lahiri D.	Engineering Sciences	Journal of Materials Engineering and Performance	2021	72	2
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	72	1
Laser Shock Peening of Ni-Ti Bulk Structures Developed by Laser Additive Manufacturing	Shiva S., Palani I.A., Paul C.P., Bindra K.S.	Engineering Sciences;Physical Sci	Journal of Materials Engineering and Performance	2021	72	0
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	72	6
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	72	1
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	72	3
Comparison of Microstructure and Microtexture Evolution in 9Cr and 18Cr Oxide Dispersion-Strengthened Steels during Fuel Clad Tube Fabrication	Parida P.K., Dasgupta A., Sinha S.K.	Physical Sciences	Journal of Materials Engineering and Performance	2021	72	1
Tensile Behavior of Incoloy-800HT Exposed to High-Temperature Molten FLiNaK Salt and Thermal Aging	Harinath Y.V., Prasad Reddy G.V., Krishna Mohan T.V., Rangarajan S., Albert S.K.	Engineering Sciences	Journal of Materials Engineering and Performance	2021	72	1
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., Davinci M.A., Paul C.P	Engineering Sciences;Physical Sci	Journal of Materials Engineering and Performance	2021	72	0
Comparison of Irradiation-Induced Hardening Behavior of P91 Ferritic Martensitic Steel and CrFeMoV High-Entropy Alloy	Saikumaran A., Mythili R., Magudapathy P., David C.	Engineering Sciences	Journal of Materials Engineering and Performance	2021	72	1
Tensile Properties of Modified 9Cr–1Mo Steel Clad Tube to End Plug Weld Joint	Raju M.B.P., Sankaranarayanasamy K., Latha S., Prabhu T.V., Reddy G.V.P.	Engineering Sciences	Journal of Materials Engineering and Performance	2021	72	1
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	72	2
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., Nagesha A., Borah U.,	Engineering Sciences	Journal of Materials Engineering and Performance	2021	72	1
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	72	2
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 G.M.	Engineering Sciences	Journal of Materials Engineering and Performance	2021	72	6
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 Scien	Journal of Materials Engineering and Performance	2021	72	4
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	72	1
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., Ranganathan K., Ganesh P., Bindra K.	Physical Sciences	Journal of Materials Engineering and Performance	2021	72	1
Effect of WC Composition on the Microstructure and Surface Properties of Laser Directed Energy Deposited SS 316-WC Composites	Benarji K., Ravi kumar Y., Jinoop A.N., Paul C.P., Bindra K.S.	Engineering Sciences;Physical Sci	Journal of Materials Engineering and Performance	2021	72	1
Study of microstructure and wear properties of laser borided Inconel 718	Rai A.K., Paul C.P., Mishra G.K., Singh R., Rai S.K., Bindra K.S.	Engineering Sciences;Physical Sci	Journal of Materials Processing Technology	2021	201	2
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	152	1
The effect of crystallographic orientation and interfaces on thermo-mechanical softening of a martensitic steel	Aashranth B., Shankar G., Davinci M.A., Samantaray D., Borah U., Suwas S.	Engineering Sciences	Journal of Materials Research	2021	152	1
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	152	0
All-solid-state asymmetric supercapacitors based on VS4 nano-bundles and MXene nanosheets	Sharma A., Patra A., Namsheer K., Mane P., Chakraborty B., Rout C.S.	Physical Sciences	Journal of Materials Science	2021	187	1
In situ tuning of graphene oxide morphology by electrochemical exfoliation	Biranje P.M., Prakash J., Srivastava A.P., Biswas S., Patwardhan A.W., Joshi J.B., I	Engineering Sciences	Journal of Materials Science	2021	187	1
Europium luminescence as a structural probe to understand defect evolution in CeO2/Eu3+, M3+ (M = Y and La): contrasting role of codopant ionic size	Das D., Gupta S.K., Sudarshan K.	Chemical Sciences	Journal of Materials Science	2021	187	3
Implications of the size variation on the local structure and polarized emission of CsPbBr3 quantum dots	Shinde A., Gahlaut R., Abharana N., Bhattacharyya D., Mahamuni S.	Physical Sciences	Journal of Materials Science	2021	187	0
Investigating defect evolution during thermal treatment in Ni–Cr alloy using positron annihilation spectroscopy	Maheshwari P., Keskar N., Sudarshan K., Manikrishna K.V., Krishnan M., Pujari P.	Chemical Sciences	Journal of Materials Science	2021	187	1
Near edge absorption studies of pure and impure NbSe 2 ; theory and experiment	Ghosh S., Pervin R., Ghosh H., Tiwari M.K., Shirage P.M.	Physical Sciences	Journal of Materials Science	2021	187	1
Preparation of low cost NaCl single crystal for IR optical window applications	Bharath Sabarish V.C., Durairajan A., Gajendiran J., Rajasekhar B.N., Das A.K., Gc	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	80	0
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., Okram G.S., Gaur N.K.	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	80	1
The effects of Ba2+ addition in the LiCO3–Mn2O3–B2O3 glass structure on electro-chemical and physical characterizations	Vinothkumar P., Dhavamurthy M., Mohapatra M., Murugasen P.	Chemical Sciences	Journal of Materials Science: Materials in Electronics	2021	80	0
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., Shinde T.J., Shinde N.S	Chemical Sciences	Journal of Materials Science: Materials in Electronics	2021	80	1
Effect of 6 MeV electron irradiation on nano-Cu2ZnSnS4	Kandare S.P., Bhoraskar V.N., Phatangare A.B., Rao R., Rao M.N., Dhole S.D., Dal	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	80	1
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.K.	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	80	0
<100> directed growth, Hirshfeld surface analysis, and scintillation properties of trans-Stilbene (TSB) single crystal grown by modified low-temperature vertical Bridgman	Murugesan M., Paulraj R., Tyagi M., Perumalsamy R.	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	80	0
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., Rawat N., Tomar B.S.	Chemical Sciences	Journal of Materials Science: Materials in Electronics	2021	80	0
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., Bakshi A.K., Kanjilal A.	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	80	1
Carbon doping-induced defect centers in anodized alumina with enhanced optically stimulated luminescence	Bhowmick S., Pal S., Singh A., Khan S.A., Mishra D.R., Choudhary R.J., Phase D.M	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	80	0
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., Sagdeo A., Rajput P., Das P.	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	80	0
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 R., Adhikary M.C.	Chemical Sciences	Journal of Materials Science: Materials in Electronics	2021	80	3
Device-relevant properties of [010]-oriented undoped TGS single crystals grown above and below the phase transition temperature	Senthil Pandian M., Verma S., Karuppasamy P., Ramasamy P., Tiwari V.S., Karnal	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	80	0
Structural and electrical transport properties of Ge implanted CoSb3 thin films and their conduction mechanisms	Masarrat A., Bhogra A., Meena R., Sinduja M., Hasina D., Amirthapandian S., Dev	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	80	0
Investigation of luminescence spectroscopic characteristics in Eu3+-doped Zn2SiO4 by Judd–Ofelt parameters	Prathibha K.N., Krishna R.H., Nagesh B.V., Prakashbabu D., Panigrahi B.S., Anant	Chemical Sciences	Journal of Materials Science: Materials in Electronics	2021	80	0
Crystallization of PECVD grown Si nanowire and its characterization using confocal Raman and EELS studies	Ahmed N., Ramasamy P., Bhargav P.B., Sivadasan A.K., Amirthapandian S., Dhar	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	80	0
Improved electrical conductivity and power factor in Sn and Se co-doped melt-grown Bi2Te3 single crystal	Hegde G.S., Prabhu A.N., Chattopadhyay M.K.	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	80	1
Effect of magnetic field on ferroelectric output voltage: a study on La0.7Sr0.3MnO3 (LSMO)/P(VDF-TrFE) flexible multiferroic nanocomposite films	Koner S., Deshmukh P., Ahlawat A., Sagdeo A., Singh R., Karnal A.K., Satapathy S.	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	80	1
Synthesis, crystal growth, and physicochemical characterization of 4-aminopyridinium 4-nitrophenolate 4-nitrophenol (4AP4NP) single crystals for NLO applications	Kamalesh T., Karuppasamy P., Senthil Pandian M., Ramasamy P., Verma S.	Physical Sciences	Journal of Materials Science: Materials in Electronics	2021	80	2
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., Banik S., Lakhani A., Pati	Physical Sciences	Journal of Materiomics	2021	41	0
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	24	0
A discussion on controversies and ethical dilemmas in prostate cancer screening	Mishra S.C.	Medical and Health Sciences	Journal of Medical Ethics	2021	77	2
High cumulative risk of colorectal cancers and desmoid tumours and fibromatosis in South Asian APC mutation carriers	Ashar S., Lipsa A., Khan N., Sarin R.	Medical and Health Sciences	Journal of Medical Genetics	2021	177	1
Atypical imaging presentation of herpes simplex virus encephalitis in paediatric immunocompromised oncology patients	Kapadia T., Sahu A., Gupta A., Dhamne C., Prasad M., Chinaswamy G., Kembhavi	Medical and Health Sciences	Journal of Medical Imaging and Radiation Oncology	2021	45	0
Probability distribution of pixel intensities of ebt3 films and its application in the correction of uncertainty budget	Chaudhary R.K., Pathan M., Kumar R., Sharma S., Sapra B.	Physical Sciences	Journal of Medical Physics	2021	26	0
Implementation and challenges of international atomic energy agency/american association of physicists in medicine trs 483 formalism for field output factors and invol	Kinhikar R., Kaushik S., Tambe C., Kadam S., Kale S., Upreti R.	Medical and Health Sciences	Journal of Medical Physics	2021	26	0
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	26	1
Is maximum intensity projection an optimal approach for internal target volume delineation in lung cancer?	Tibdewal A., Bushra S., Mummudi N., Kinhikar R., Ghadi Y., Agrawal J.	Medical and Health Sciences	Journal of Medical Physics	2021	26	0
Near-Infrared Fluorescent Probe Activated by Nitroreductase for in Vitro and in Vivo Hypoxic Tumor Detection	Karan S., Cho M.Y., Lee H., Lee H., Park H.S., Sundararajan M., Sessler J.L., Hong J	Chemical Sciences	Journal of Medicinal Chemistry	2021	276	14
Targeting RECQL5 Functions, by a Small Molecule, Selectively Kills Breast Cancer in Vitro and in Vivo	Chakraborty S., Dutta K., Gupta P., Das A., Das A., Ghosh S.K., Patro B.S.	Life Sciences	Journal of Medicinal Chemistry	2021	276	5
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., Srinivasan R.	Life Sciences	Journal of Membrane Biology	2021	100	3
Phospholipid Asymmetry in Biological Membranes: Is the Role of Phosphatidylethanolamine Underappreciated?	Chakrabarti A.	Life Sciences	Journal of Membrane Biology	2021	100	4
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	6	0
Identification and validation of reference genes for reliable analysis of differential gene expression during antibiotic induced persister formation in Klebsiella pneumoniae	Patole S., Rout M., Mohapatra H.	Life Sciences	Journal of Microbiological Methods	2021	138	1
Investigation of a polarization-based Cr:forsterite laser resonator cavity	Sahoo S.P., Rawat V.S., Mukherjee J., Pradhan S.	Physical Sciences	Journal of Modern Optics	2021	92	3
Studies on rubidium 5S-5d two-photon absorption	Shukla V., Nath S.K., Naik V., Chakrabarti A., Ray A.	Physical Sciences	Journal of Modern Optics	2021	92	2
Structural insights into SARS-CoV-2 proteins	Arya R., Kumari S., Pandey B., Mistry H., Bihani S.C., Das A., Prashar V., Gupta G.	Life Sciences	Journal of Molecular Biology	2021	277	73
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	277	9
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., Bahadur P.	Physical Sciences	Journal of Molecular Liquids	2021	132	4
Analytical application of ionic liquid in determination of trace metallic constituents in U matrix by ICP-OES: A 'green' approach for drastic reduction in organic waste burd	Jayabun S., Pathak S., Sengupta A.	Chemical Sciences	Journal of Molecular Liquids	2021	132	1
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	132	1
Photoinduced electron transfer reactions in mixed micelles of a star block copolymer and surface active ionic liquids: Role of the anion	Nayana Lakshmi S., Bahadur P., Dutta Choudhury S.	Chemical Sciences	Journal of Molecular Liquids	2021	132	2
Ionic liquid-based catanionic vesicles: A de novo system to judiciously improve the solubility, stability and antimicrobial activity of curcumin	Jain M., Marfatia A., Imam N., Ray D., Aswal V.K., Patel N.Y., Raval V.H., Kailasa S	Physical Sciences	Journal of Molecular Liquids	2021	132	5
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	132	1
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., Gawali S.L., Hassan P.A.	Chemical Sciences	Journal of Molecular Liquids	2021	132	1
Micellar solubilization of Lavender oil in aqueous P85/P123 systems: Investigating the associated micellar structural transitions, therapeutic properties and existence of c	Ganguly R., Kumar S., Basu M., Kunwar A., Dutta D., Aswal V.K.	Chemical Sciences;Physical Scien	Journal of Molecular Liquids	2021	132	1
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	132	5
Tuning the extraction mechanism of uranyl ion in bicyclooctanium, propylpyridinium, piperidinium and imidazolium based ionic liquids: First ever evidence of 'cation exch	Pandey A., Hashmi S., Salunkhe G., Kathirvelu V., Singh K.S., Singh Chauhan R., Se	Chemical Sciences	Journal of Molecular Liquids	2021	132	5
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	132	1
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	132	3
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	132	13
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 R., Celik I., Mane P., Ch	Physical Sciences	Journal of Molecular Liquids	2021	132	17
Hard core proof of the polyvinyl alcohol as a reducer for the formation of gold nanoparticles	Gautam A., Komal P., Sevak Singh R., Gautam P., Manjari S.K.V., Ningthoujam R.	Chemical Sciences	Journal of Molecular Liquids	2021	132	1
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., Debnath A.K., Adhikari S	Chemical Sciences;Physical Scien	Journal of Molecular Liquids	2021	132	4
Synthesis and characterization of a nanoemulsion system for solubility enhancement of poorly water soluble non-steroidal anti-inflammatory drugs	Thapa R., Sai K., Saha D., Kushwaha D., Aswal V.K., Ghosh Moulick R., Bose S., Bh	Physical Sciences	Journal of Molecular Liquids	2021	132	0
Photoinduced emissive naphthalenediimide radical anion in the confinement of cucurbituril nanocavity; in situ generation of gold nanoparticles	Khurana R., Mohanty J., Barooah N., Bhasikuttan A.C.	Chemical Sciences	Journal of Molecular Liquids	2021	132	3
An anionic tetraphenyl ethylene based simple and rapid fluorescent probe for detection of trypsin and paraoxon methyl	Kaur J., Malegaonkar J.N., Bhosale S.V., Singh P.K.	Chemical Sciences	Journal of Molecular Liquids	2021	132	12
An inclusive thermophysical and rheology portrayal of deep eutectic solvents (DES) for metal oxides dissolution enhancement	Jangir A.K., Sethy P., Verma G., Bahadur P., Kuperkar K.	Chemical Sciences	Journal of Molecular Liquids	2021	132	4
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	132	6
Influence of Surfynol® 104 on aggregation behaviour of Triton X-100 micelles	Patel A., Ray D., Khimani M., Parikh J.K., Parekh P., Patel V.I., Aswal V.K., Bahadu	Physical Sciences	Journal of Molecular Liquids	2021	132	2
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., Mitra S.	Physical Sciences	Journal of Molecular Liquids	2021	132	1
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	132	1
Electrochemical and thermodynamic insights on actinide type (IV) deep eutectic solvent	Gupta R., Gamare J., Sahu M., Pandey K., Gupta S.K.	Chemical Sciences	Journal of Molecular Liquids	2021	132	7
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	132	2
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	132	7
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	132	7
How mobile is the water in the reverse micelles? A 2DIR study with an ultrasmall IR probe	Mora A.K., Singh P.K., Nadkarni S.A., Nath S.	Chemical Sciences	Journal of Molecular Liquids	2021	132	2
Water driven transformation of a nonionic microemulsion into liquid crystalline phase: Structural characterizations and drug release behavior	Gandhi S.M., Khan A.K., Rathod S., Jain R., Dubey S.K., Ray D., Aswal V.K., Joshi A	Physical Sciences	Journal of Molecular Liquids	2021	132	2
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	132	2
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., Aswal V., Varade D.	Physical Sciences	Journal of Molecular Liquids	2021	132	3
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., Sengupta A.	Chemical Sciences	Journal of Molecular Liquids	2021	132	7
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.L., Hassan P.A.	Chemical Sciences	Journal of Molecular Liquids	2021	132	6
Effect of alkyl chain length on the extraction properties of U and Th using novel CnmimNTf2/isophthalamide systems	Pandey A., Hashmi S., Kathirvelu V., Singh K.S., Sengupta A.	Chemical Sciences	Journal of Molecular Liquids	2021	132	8
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	132	1
Mixed micelles of sodium perfluorooctanoate and imidazolium based ionic liquids in aqueous solution: A SANS and Tensiometric study	Padsala S., Patel V.I., Ray D., Aswal V.K., Bahadur P.	Physical Sciences	Journal of Molecular Liquids	2021	132	5
Surface-induced dimerization of 2-thiazoline-2-thiol on silver and gold nanoparticles: A surface enhanced Raman scattering (SERS) and density functional theoretical (DFT	Chadha R., Das A., Kapoor S., Maiti N.	Chemical Sciences	Journal of Molecular Liquids	2021	132	3
Study of refolding of a denatured protein and microenvironment probed through FRET to a twisted intramolecular charge transfer fluorescent biosensor molecule	Halder S., Aggrawal R., Aswal V.K., Ray D., Saha S.K.	Physical Sciences	Journal of Molecular Liquids	2021	132	10
A cationic cyclodextrin assisted aggregation of an anionic pyrene derivative and its stimuli responsive behavior	Chakraborty G., Singh P.K., Pal H.	Chemical Sciences	Journal of Molecular Liquids	2021	132	6
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	132	1
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 Selvan B., Sriram S., Venkates	Chemical Sciences	Journal of Molecular Liquids	2021	132	1
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	132	8
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	132	2
Hydrolytic degradation of tri-iso-amyl phosphate-dodecane system	Mishra S., Desigan N., Venkatesan K.A., Ananthasivan K.	Chemical Sciences	Journal of Molecular Liquids	2021	132	0
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	132	0
Probing the coordination of europium(III) in a functionalized ionic liquid using luminescence spectroscopy	Rout A., Kumar S., Ramanathan N.	Chemical Sciences	Journal of Molecular Liquids	2021	132	2
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	132	3
DNA mediated graphene oxide (GO)-nanosheets dispersed supramolecular GO-DNA hydrogel: An efficient soft-milieu for simplistic synthesis of Ag-NPs@GO-DNA and Gr	Majumdar S., Ghosh M., Mukherjee S., Satpati B., Dey B.	Physical Sciences	Journal of Molecular Liquids	2021	132	1
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	110	0
A novel n-methylurea cyanurate single crystal: structural and physical characterizations for magneto-electronics applications	Vinothkumar P., Dhavamurthy M., Sathyamoorthy K., Mohapatra M., Murugasei	Chemical Sciences	Journal of Molecular Structure	2021	110	1
Surface enhanced Raman scattering investigation of pioglitazone on silver and silver-gold metal substrates – Experimental analysis and theoretical modeling	Albrycht P., Al-Otaibi J.S., Mary Y.S., Mary Y.S., Trivedi R., Chakraborty B.	Physical Sciences	Journal of Molecular Structure	2021	110	2
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	110	0
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	110	4
Synthesis, crystal structure and solid-state properties of 4-(3-nitrophenylamino)-4-methylpentan-2-one picrate (3NAP): An efficient cocrystal for χ(3) optics	Shalini D., Vinothkumar P., Sathyamoorthy K., Muralimanohar P., Hegde T.A., Vir	Chemical Sciences	Journal of Molecular Structure	2021	110	6
Elucidating the extraction behaviour of tri-n-alkyl phosphates and tris(2-methylbutyl) phosphate with nitrates of uranyl and tetravalent metal ions from infrared spectros	Sarkar S., Chandra S., Suneesh A.S., Ramanathan N., Sundararajan K., Suresh A., S	Chemical Sciences	Journal of Molecular Structure	2021	110	1
Pentavalent P...N phosphorus bonding in the heterodimers of POCl3...nitrogen bases: Evidence from matrix isolation infrared spectroscopy and Ab initio computations	Sruthi P.K., Ramanathan N., Sundararajan K.	Chemical Sciences	Journal of Molecular Structure	2021	110	2
Pentavalent P...π phosphorus bonding with associated Cl...π halogen bonding in influencing the geometry of POCl3-Phenylacetylene heterodimers: Evidence from matrix	Suryaprasad B., Chandra S., Ramanathan N., Sundararajan K.	Chemical Sciences	Journal of Molecular Structure	2021	110	5
Growth, spectral, laser damage and hirshfeld surface studies on configurationally locked 2-(3-(4-hydroxystyryl)-5,5-dimethylcyclohex-2-enylidene) malononitrile (OH1) si	Karthick S., Santha A., Ganesh D., Thirupugalmani K., Ganesamoorthy S., Chaudh	Physical Sciences	Journal of Molecular Structure	2021	110	3
Photophysical study of dansylamide in polymeric micro-environment	Tewari N., Joshi H.C., Rautela R., Pant S.	Physical Sciences	Journal of Molecular Structure	2021	110	2
Investigations on synthesis, growth, crystal structure, thermal, Dielectric and Terahertz Transmission properties of Organic NLO Crystal: (2-(2-hydroxy-3-methoxystyryl)-1	Boomadevi S., Kundu A., Anthony S.P., Pandiyan K., Sastikumar D., Saxena S., Ba	Physical Sciences	Journal of Molecular Structure	2021	110	0
Enhanced Humidity Sensing Properties of Surfactant-Free Hydrothermally Synthesized Tin Oxide Nanoparticles	Preethi T., Senthil K., Ashokan S., Balakrishnaraja R., Sundaravel B., Saravanan P.	Physical Sciences	Journal of Nano- and Electronic Physics	2021	20	0
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	128	0
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., Chattopadhyay S., Goswami D.	Chemical Sciences;Life Sciences	Journal of Natural Products	2021	147	2
Brain FET PET tumor-to-white mater ratio to differentiate recurrence from post-treatment changes in high-grade gliomas	Puranik A.D., Rangarajan V., Dev I.D., Jain Y., Purandare N.C., Sahu A., Choudhar	Medical and Health Sciences	Journal of Neuroimaging	2021	66	0
Dynamics of AQP4 upon exposure to seropositive patient serum before and after Rituximab therapy in Neuromyelitis Optica: A cell-based study	Saha S., Mukherjee S., Guha G., Mukhopadhyay D.	Life Sciences;Physical Sciences	Journal of Neuroimmunology	2021	145	0
Proposed definition of competencies for surgical neuro-oncology training	Kamp M.A., Malzkorn B., von Sass C., DiMeco F., Hadjipanayis C.G., Senft C., Rap	Medical and Health Sciences	Journal of Neuro-Oncology	2021	121	0
The Higson-Roe sequence for étale groupoids. II. The universal sequence for equivariant families	Benameur M.-T., Roy I.	Mathematical Sciences	Journal of Noncommutative Geometry	2021	22	1
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., Kumar R., Bhattacharyya	Chemical Sciences;Physical Scien	Journal of Non-Crystalline Solids	2021	150	2
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., Krishnan M.	Chemical Sciences	Journal of Non-Crystalline Solids	2021	150	7
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., Jena H., Panigrahi B.S.	Chemical Sciences	Journal of Non-Crystalline Solids	2021	150	1
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	46	2
Heat transfer in supercritical fluids: A review	Bodkha K., Maheshwari N.K.	Engineering Sciences	Journal of Nuclear Engineering and Radiation Science	2021	12	1

Study on melt coolability and water ingression through melt pool in scaled down core catcher—the influence of vessel angle	Ganesh V., Kulkarni P.P., Nayak A.K.	Engineering Sciences	Journal of Nuclear Engineering and Radiation Science	2021	12	1
Preparation and characterization of Nb-1Zr-0.1C alloy suitable for liquid metal coolant channels of high temperature reactors	Majumdar S., Kishor J., Behera A.N., Vishwanadh B., Borgohain A., Kapoor R., Te	Chemical Sciences;Engineering Sc	Journal of Nuclear Engineering and Radiation Science	2021	12	0
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., Kumar H., Shrivastav V.	Engineering Sciences	Journal of Nuclear Materials	2021	148	0
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., Neogy S., Sagdeo A.	Engineering Sciences;Physical Sci	Journal of Nuclear Materials	2021	148	1
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	148	3
Phase evolution in (Nd1-x)x(Zr2O7)+5 system in oxidizing and reducing conditions: A nuclear waste form	Nandi C., Phatak R., Kesari S., Shufeeq M., Rao R., Prakash A., Behere P.G.	Physical Sciences	Journal of Nuclear Materials	2021	148	0
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., Jagannath J., Sudarshan K.	Chemical Sciences	Journal of Nuclear Materials	2021	148	0
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	148	1
Correlation between microstructure and mechanical properties in the age-hardenable Cu-Cr-Zr alloy	Jha K., Neogy S., Kumar S., Singh R.N., Dey G.K.	Engineering Sciences	Journal of Nuclear Materials	2021	148	7
Nodular corrosion of zirconium alloys in gaseous environment containing different contaminants	Nouduru S.K., Mandapaka K.K., Roychowdhury S., Gumma S., Sharma R., Verma	Engineering Sciences	Journal of Nuclear Materials	2021	148	0
Effect of radial hydride on creep temperature fracture toughness of Zr-2.5Nb pressure tube material	Gopalan A., Bind A.K., Suril S., Murty T.N., Sharma R.K., Samanta A., Soren A., Sa	Engineering Sciences	Journal of Nuclear Materials	2021	148	0
Investigation of hydrogen diffusivity in Zr-2.5%Nb alloy pressure tube material using Metallography and Neutron Radiography	Shukla S., Singh P., Roy T., Kashyap Y.S., Shukla M., Singh R.N.	Engineering Sciences;Physical Sci	Journal of Nuclear Materials	2021	148	2
Chemisorption, diffusion and permeation of hydrogen isotopes in bcc bulk cr and cr(100) surface: First-principles dft simulations	Boda A., Bajania S., Ali S.M., Shenoy K.T., Mohan S.	Chemical Sciences	Journal of Nuclear Materials	2021	148	4
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., Srinivasan M.P., Krishn	Physical Sciences	Journal of Nuclear Materials	2021	148	0
Immobilization of contaminated sodium: an optimization study	Manivannan A., Ravisankar P., Saravanan G., Senapati A., Madhavan R.R., Josep	Chemical Sciences	Journal of Nuclear Materials	2021	148	1
Synthesis, Characterization and sintering of nanocrystalline (U1-xCexV)O2±x	Maji D., Anantharaman S., Venkatakrishnan R., Desigan N., Pandey N.K.	Chemical Sciences	Journal of Nuclear Materials	2021	148	1
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	148	2
High-temperature radiation damage studies of Reduced Activation Ferritic/Martensitic (RAFM) steel at fusion relevant He/dpa ratio using positron beam based Doppler	Ramachandran R., Julie S., Rajaraman R., Govindaraj R., David C., Amarendra G.	Physical Sciences	Journal of Nuclear Materials	2021	148	1
Surgical feasibility, determinants, and overall efficacy of neoadjuvant 177Lu-Dotatate PRRT for locally advanced unresectable gastroenteropancreatic neuroendocrine tum	Parghane R.V., Bhandare M., Chaudhari V., Ostwal V., Ramaswamy A., Talole S.,	Medical and Health Sciences	Journal of Nuclear Medicine	2021	221	8
Correlation of Lesional Uptake Parameters and Ratios with mPSMA Score and Estimating Normal Physiologic Concentration: An Exploratory Analysis in Metastatic Castra	Kalshetty A., Menon B., Bakshi H., Shetty S., Bhattacharjee A., Basu S.	Medical and Health Sciences	Journal of nuclear medicine technology	2021	42	1
Poorly Differentiated Neuroendocrine Carcinoma of the Parotid Gland and Concomitant Differentiated Hepatic Metastases: A Discordant Histopathology Clarified by Dual-	Sharma P., Basu S.	Medical and Health Sciences	Journal of Nuclear Medicine Technology	2021	42	0
Rare Case of Bilateral Ovarian Lymphangioma with Chylous Ascites in Pregnancy with Review of Literature	Choudhary R.A., Vora P.H., Deodhar K.K., Pisat S.V., Ganla M.K., Ganla K.N.	Medical and Health Sciences	Journal of Obstetrics and Gynecology of India	2021	20	0
Freshening of seawater in the Mahim Bay, Mumbai, India: Insight from an environmental isotope study	Noble J., Keesari T.	Chemical Sciences;Engineering Sc	Journal of Operational Oceanography	2021	29	0
Commuting Squares And Planar Subalgebras	Bakshi K.C., Kodiyalam V.	Mathematical Sciences	Journal of Operator Theory	2021	37	1
Multimodal opioid sparing onco-anesthesia: A consensus practice guideline from Society of Onco-Anesthesia and Perioperative Care (SOAPC)	Solanki S.L., Thota R.S., Rajan J., Gangakhedkar G.R., Jain P., Gottumukkala V., Gu	Medical and Health Sciences	Journal of opioid management	2021	42	1
Fluorescence coupling to internal modes of 1D photonic crystals characterized by Dark Spectroscopy	Choudhury S.D., Xiang Y., Zhang D., Descrovi E., Badugu R., Lakowicz J.R.	Physical Sciences	Journal of Optics (United Kingdom)	2021	95	0
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	95	0
Room-Temperature Amination of Chlorotheteroarenes in Water by a Recyclable Copper(II)-Phosphaadamantanium Sulfonate System	Parmar U., Somvanshi D., Kori S., Desai A.A., Dandela R., Maity D.K., Kapdi A.R.	Chemical Sciences	Journal of Organic Chemistry	2021	234	3
Manganese(I) Catalyzed Alkenylation of Phosphine Oxides Using Alcohols with Liberation of Hydrogen and Water	Pandia B.K., Pattanaik S., Gunanathan C.	Chemical Sciences	Journal of Organic Chemistry	2021	234	0
Unusual Pseudopeptides: Syntheses and Structural Analyses of Ethylenedipiroyl Peptides and Their Metal Complexes with Cu(II) Ion	Gupta M.K., Jena C.K., Balachandra C., Sharma N.K.	Chemical Sciences	Journal of Organic Chemistry	2021	234	0
Mechanochemical-Cascaded C-N Cross-Coupling and Halogenation Using N-Bromo- And N-Chlorosuccinimide as Bifunctional Reagents	Bera S.K., Mal P.	Chemical Sciences	Journal of Organic Chemistry	2021	234	6
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	234	0
Manganese(I) Catalyzed Ï‚-Alkenylation of Amides Using Alcohols with Liberation of Hydrogen and Water	Pandia B.K., Gunanathan C.	Chemical Sciences	Journal of Organic Chemistry	2021	234	3
A Photochemical Intramolecular C-N Coupling Toward the Synthesis of Benzimidazole-Fused Phenanthridines	Bera S.K., Boruah P.J., Parida S.S., Paul A.K., Mal P.	Chemical Sciences	Journal of Organic Chemistry	2021	234	2
Ruthenium-Catalyzed Regioselective C(sp2)-H Activation/Annulation of N-(7-Azaindole)amides with 1,3-Diynes Using N-Amino-7-azaindole as the N, N-Bidentate Directin	Pati B.V., Sagara P.S., Ghosh A., Das Adhikari G.K., Ravikumar P.C.	Chemical Sciences	Journal of Organic Chemistry	2021	234	1
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 P.C.	Chemical Sciences	Journal of Organic Chemistry	2021	234	5
Cobalt(II)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., Venkatasubbaiah K.	Chemical Sciences	Journal of Organic Chemistry	2021	234	7
Ruthenium-Catalyzed Cross Dehydrogenative Annulation of N-(7-Azaindole)benzamides with Maleimides: One-Step Access to Highly Functionalized Pyrroloisoquinoline	Pati B.V., Sagara P.S., Ghosh A., Ghosh S., Mohanty S.R., Ravikumar P.C.	Chemical Sciences	Journal of Organic Chemistry	2021	234	2
Photocatalytic C-H Thiocyanation of Corroles: Development of Near-Infrared (NIR)-Emissive Dyes	Sahu K., Mondal S., Mobin S.M., Kar S.	Chemical Sciences	Journal of Organic Chemistry	2021	234	4
Palladium-Catalyzed C-C Bond Activation of Cyclopropenone: Modular Access to Tirisubstituted ï‚¾-Unsaturated Esters and Amides	Nanda T., Biswal P., Pati B.V., Banjare S.K., Ravikumar P.C.	Chemical Sciences	Journal of Organic Chemistry	2021	234	9
Redox-Neutral Cobalt(III)-Catalyzed C-H Activation/Annulation of ï‚¾-Unsaturated Oxime Ether with Alkyne: One-Step Access to Multisubstituted Pyridine	Mohanty S.R., Pati B.V., Banjare S.K., Das Adhikari G.K., Ravikumar P.C.	Chemical Sciences	Journal of Organic Chemistry	2021	234	14
Rhodium-Catalyzed One-Pot Access to N-Polycyclic Aromatic Hydrocarbons from Aryl Ketones through Triple C-H Bond Activations	Biswal P., Banjare S.K., Pati B.V., Mohanty S.R., Ravikumar P.C.	Chemical Sciences	Journal of Organic Chemistry	2021	234	4
An interesting heterometallic complex [(Ni2(x2-SeCSH4N)2(μ-OCH3)CdCl2] as single source molecular precursor for NiSe/CdSe heterostructure: Consequence of similar N	Chauhan R.S., Nigam S., Ansari S., Tyagi A., Singla L., Choudhury A.R., Prajapat C.	Chemical Sciences;Physical Scien	Journal of Organometallic Chemistry	2021	127	1
Synthesis and complexation behavior of 3,4-bis(chloromercurio)2,5-dimethylthiophene	Sa S., Sathesh V., Murali A.C., Nayak P., Venkatasubbaiah K.	Chemical Sciences	Journal of Organometallic Chemistry	2021	127	1
The Palliative Care—Promoting Access and Improvement of the Cancer Experience (PC-PAICE) Project in India: A Multisite International Quality Improvement Collaborati	Lorenz K.A., Mickelsen J., Vallath N., Bhatnagar S., Spruyt O., Rabow M., Agar M.	Medical and Health Sciences	Journal of Pain and Symptom Management	2021	147	4
Weakly supervised learning on unannotated H&E-stained slides predicts BRAF mutation in thyroid cancer with high accuracy	Anand D., Yashaswini K., Kumar N., Rane S., Gann P.H., Sethi A.	Medical and Health Sciences	Journal of Pathology	2021	193	2
Validation of a portable whole-slide imaging system for frozen section diagnosis	Kaushal R., Rajaganesan S., Rao V., Sali A., More B., Desai S.	Medical and Health Sciences	Journal of Pathology Informatics	2021	20	1
Remote reporting from home for primary diagnosis in surgical pathology: A tertiary oncology center experience during the COVID-19 pandemic	Rao V., Kumar R., Rajaganesan S., Rane S., Deshpande G., Yadav S., Patil A., Pai T	Medical and Health Sciences	Journal of Pathology Informatics	2021	20	3
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 R., Patil V.A., Dalvi A., Prakash	Medical and Health Sciences	Journal of Pediatric Endocrinology and Metabolism	2021	68	1
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., Yadav S., Prasad M., Khan	Medical and Health Sciences	Journal of Pediatric Urology	2021	49	4
Curcumin Encapsulated Casein Nanoparticles: Enhanced Bioavailability and Anticancer Efficacy	Barick K.C., Tripathi A., Dutta B., Shelar S.B., Hassan P.A.	Chemical Sciences	Journal of Pharmaceutical Sciences	2021	186	7
Complexation-induced tuning of optical properties of a medically important alkaloid, berberine in the presence of charged cyclodextrin	Chakraborty G., Pillai V.S., Chittela R.K.	Life Sciences	Journal of Photochemistry and Photobiology A: Chemistry	2021	165	2
1′-hydroxy-2′-acetonaphthone: A simple fluorescence turn-on signaling probe with high selectivity and sensitivity for Al3+ in pure water	Malini J., Sayed M.	Chemical Sciences	Journal of Photochemistry and Photobiology A: Chemistry	2021	165	4
Photochemistry of diethyl ether clusters at 1012 W/cm2: A mass spectrometry and charge density study	Das S., Sharma P.	Chemical Sciences	Journal of Photochemistry and Photobiology A: Chemistry	2021	165	1
Solution processable transition metal oxide ultra-thin films as alternative electron transport and hole blocking layers in dye sensitized solar cells	Prakash O., Saxena V., Bedi R.K., Debnath A.K., Mahajan A.	Physical Sciences	Journal of Photochemistry and Photobiology A: Chemistry	2021	165	3
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	Bhosale A.A., Hiremath S.D., Bhasikuttan A.C., Banerjee M., Chatterjee A.	Chemical Sciences	Journal of Photochemistry and Photobiology A: Chemistry	2021	165	6
Multiple ionisation and Coulomb explosion in terawatt photoexcitation of Xenon clusters: An experimental and theoretical study	Das S., Sharma P., Singh R., Vatsa R.K., Tripathi V.K.	Chemical Sciences	Journal of Photochemistry and Photobiology A: Chemistry	2021	165	2
Biased photo cleavage of N1-/N6-nitrobenzyl from 2â€™-hydroxyethyl-adenosine and their DNA/RNA Caged-analogues	Bollu A., Sharma N.K.	Chemical Sciences	Journal of Photochemistry and Photobiology A: Chemistry	2021	165	2
Adsorption and Activation of CO2on Small-Sized Cu-Zr Bimetallic Clusters	Megha, Mondal K., Ghanty T.K., Banerjee A.	Chemical Sciences;Physical Scien	Journal of Physical Chemistry A	2021	241	9
Hybrid Atomic Orbital Basis from First Principles: Bottom-Up Mapping of Self-Energy Correction to Large Covalent Systems	Hossain M., De J., Bhattacharjee J.	Physical Sciences	Journal of Physical Chemistry A	2021	241	0
Host-Assisted Aggregation-Induced Emission of a Tetraphenylethylene Derivative and Its Responses toward External Stimuli	Chakraborty G., Mahajan P., Bhosale S.V., Singh P.K., Pal H.	Chemical Sciences	Journal of Physical Chemistry B	2021	401	4
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;Physical Scien	Journal of Physical Chemistry B	2021	401	0
Stimuli Responsive Confinement of a Molecular Rotor Based BODIPY Dye inside a Cucurbit[7]uril Nanocavity	Chakraborty G., Choudhary M.K., Sundararajan M., Ray A.K., Mula S., Pal H.	Chemical Sciences	Journal of Physical Chemistry B	2021	401	3
Anionic Polyelectrolyte-Induced Aggregation of Basic Orange 21: A Clue toward Metachromasia	Singh G., Pandey S.P., Singh P.K.	Chemical Sciences	Journal of Physical Chemistry B	2021	401	0
Effect of Lithium-Ion on the Structural Organization of Monocationic and Dicationic Ionic Liquids	Chakraborty M., Barik S., Mahapatra A., Sarkar M.	Chemical Sciences	Journal of Physical Chemistry B	2021	401	0
Femtosecond Upconversion Study of Interfacial Electron Transfer from Photoexcited C-PbBr2Perovskite Nanocrystal to Rhodamine 6G	Mishra K., Acharjee D., Das A., Ghosh S.	Chemical Sciences	Journal of Physical Chemistry B	2021	401	1
Impact of Mutation on the Structural Stability and the Conformational Landscape of Inhibitor-Resistant TEM β-Lactamase: A High-Performance Molecular Dynamics Simu	Mukherjee S.K., Mukherjee M., Mishra P.P.	Chemical Sciences	Journal of Physical Chemistry B	2021	401	0
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	306	1
Making Yb2HF2O7 Defect Fluorite Uncompressible by Particle Size Reduction	Srihari V., Verma A.K., Pandey K.K., Vishwanadh B., Panchal V., Garg N., Errando	Engineering Sciences;Physical Sci	Journal of Physical Chemistry C	2021	306	2
Effect of Surface Ligand on Chemical Interface Damping in Nonstoichiometric Cu2-xS Semiconductor Nanocrystals: A Direct Correlation between Ultrafast Carrier Dynami	Ghorai N., Ghosh H.N.	Chemical Sciences	Journal of Physical Chemistry C	2021	306	2
Ultrafast Dynamics and Estimation of Singlet Exciton Diffusion Parameters for Nanoaggregates of perl and bay Amisyl Perylene	Dixit S.J.N., Awasthi A.A., Chandrakumar K.R.S., Manna B., Agarwal N.	Chemical Sciences	Journal of Physical Chemistry C	2021	306	1
Insights into the Structural and Microscopic Origin of Magnetic Properties of the y-Fe2O3@MnxOyNanostructure	Joshi R., Singh B.P., Prajapat C.L., Kashyap Y., Nayak C., Bhattacharyya D., Ningth	Chemical Sciences;Physical Scien	Journal of Physical Chemistry C	2021	306	1
Size Tuning, Phase Stabilization, and Anticancer Efficacy of Amorphous Selenium Nanoparticles: Effect of Ion-Pair Interaction, –OH Functionalization, and Reuse of RTILs a	Guleria A., Baby C.M., Tomy A., Maurya D.K., Neogy S., Debnath A.K., Adhikari S.	Chemical Sciences;Engineering Sc	Journal of Physical Chemistry C	2021	306	2
Contrasting Effects of FA Substitution on MA/FA Rotational Dynamics in FAxMA1-xPbI3	Sharma V.K., Mukhopadhyay R., Mohanty A., Sakai V.G., Tyagi M., Sarma D.D.	Physical Sciences	Journal of Physical Chemistry C	2021	306	3
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	306	7
Plasmon Triggered, Enhanced Light-Matter Interactions in Au-MoS2Coupled System with Superior Photosensitivity	Mukherjee S., Ghosh H.N., Ghosh S., Ghosh S.K., Karmakar D., Wan M., Jacob C., Das S., Ray S.K.	Physical Sciences	Journal of Physical Chemistry C	2021	306	7
Unravelling the Underlying Hot Carrier Transfer and Relaxation Pathways in Type-1 CsPbBr3-PbS System	Kaur G., Saha R., Babu K.J., Shukla A., Ghosh H.N.	Chemical Sciences	Journal of Physical Chemistry C	2021	306	3
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	306	2
CdS-CNT-CoPi Heterostructures for Simultaneous Exciton Separation: Ultrafast and Photoelectrochemical Studies	Dagar P., Ghorai N., Ojha K., Ghosh H.N., Ganguli A.K.	Chemical Sciences	Journal of Physical Chemistry C	2021	306	3
Enhancement of Pseudocapacitive Behavior, Cyclic Performance, and Field Emission Characteristics of Reduced Graphene Oxide Reinforced NiGa2O4Nanostructured Elec	Karmakar S., Mistari C.D., Shajahan A.S., More M.A., Chakraborty B., Behera D.	Physical Sciences	Journal of Physical Chemistry C	2021	306	4
Recent Developments on Molten Salt Synthesis of Inorganic Nanomaterials: A Review	Gupta S.K., Mao Y.	Chemical Sciences	Journal of Physical Chemistry C	2021	306	17
Temperature-dependent ultrafast charge carrier dynamics in amorphous and crystalline Sb2Se3thin films	Ghosh H.N., Singh P., Ghorai N., Thakur A.	Chemical Sciences	Journal of Physical Chemistry C	2021	306	5
Green CsSnX3(X = Cl, Br, I)-Derived Quantum Dots for Photovoltaic Applications: First-Principles Investigations	Kshirsagar B., Jaykhedkar N., Jain K., Kishor S., Shah V., Ramaniah L.M., Tiwari S.	Physical Sciences	Journal of Physical Chemistry C	2021	306	2
Associating High Oxide-Ion Conductivity and Conduction Mechanisms with Local Atomic Environments in Na0.5Bi0.5- xTi1- yMgyO3-δ	Santhoshkumar B., Priolkar K.R., Pollastri S., Oliveira De Souza D., Carlomagno I.	Physical Sciences	Journal of Physical Chemistry C	2021	306	0
Local structural studies through EXAFS and effect of Fe2+or Fe3+existence in ZnO Nanoparticles	Rajan C.P., Abharana N., Jha S.N., Bhattacharyya D., John T.T.	Physical Sciences	Journal of Physical Chemistry C	2021	306	1
Role of Cobalt Doping in CdS Quantum Dots for Potential Application in Thin Film Optoelectronic Devices	Maity P., Kumar R., Jha S.N., Bhattacharyya D., Barman S.R., Chatterje	Physical Sciences	Journal of Physical Chemistry C	2021	306	4
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., Tyagi A.K.	Chemical Sciences	Journal of Physical Chemistry C	2021	306	12
Raman Fingerprint of Pressure-Induced Phase Transition in SnO2Nanoparticles: Grüneisen Parameter and Thermal Expansion	Mishra K.K., Sahu B.K., Bonu V., Das A., Katiyar R.S., Ravindran T.R.	Chemical Sciences;Physical Scien	Journal of Physical Chemistry C	2021	306	0
Novel Thenil-Based Ionic Small Molecules for Nondoped Light-Emitting Electrochemical Cells for Ultrapure Green Emission	John J.C., Shanmugasundaram K., Brahmmananda Rao C.V.S., Gopakumar G., Ch	Chemical Sciences	Journal of Physical Chemistry C	2021	306	3
Role of Oxygen Vacancy Formation Energy and Insulating Behavior in Darkening of White Amorphous TiO2	Nanda Gopala Krishna D., George R.P., Philip J.	Physical Sciences	Journal of Physical Chemistry C	2021	306	1
Effect of Oxygen and Aluminum Incorporation on the Local Structure of GaN Nanowires: Insight from Extended X-ray Absorption Fine Structure Analysis	Parida S., Sahoo M., Abharana A., Tromer R.M., Galvao D.S., Dhara S.	Chemical Sciences	Journal of Physical Chemistry C	2021	306	0
Ab Initio Study of Adsorption of Fission Gas Atoms Xe and Kr on MoS2Monolayer Functionalized with 3d Transition Metals	Gangwar R., Pandey D., Kancharlapalli S., Raychaudhuri D., Chakrabarti A., Banei	Chemical Sciences;Physical Scien	Journal of Physical Chemistry C	2021	306	2
Probing the Role of Local Structure in Driving the Stability of Halide Perovskites CH3NH3PbX3	Nandi P., Mahana S., Welter E., Topwal D.	Physical Sciences	Journal of Physical Chemistry C	2021	306	1
Electric Field-Modulated Charge Transfer in Geometrically Tailored MoX2/WX2(X = S, Se) Heterostructures	Sahoo S., Sahu M.C., Mallik S.K., Sharma N.K., Jena A.K., Gupta S.K., Ahuja R., Sa	Physical Sciences	Journal of Physical Chemistry C	2021	306	3
Prospects in Engineering Congested Molecular Diffusion at the Stabilizer Layer of Metal Nanocrystals for Ultrahigh Catalytic Activity	Sahoo L., Mondal S., Garg R., Manju U., Topwal D., Gautam U.K.	Physical Sciences	Journal of Physical Chemistry C	2021	306	0
Enhancing the Stability and Photoluminescence Quantum Yield of CsPbX3(X = Cl and Br) Perovskite Nanocrystals by Treatment with Imidazolium-Based Ionic Liquids thro	Chakraborty D., Preeyanka N., Akhuli A., Sarkar M.	Chemical Sciences	Journal of Physical Chemistry C	2021	306	0
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	306	0
Efficient Band Structure Calculation of Two-Dimensional Materials from Semilocal Density Functionals	Patra A., Jana S., Samal P., Tran F., Kalantari L., Doumont J., Blaha P.	Physical Sciences	Journal of Physical Chemistry C	2021	306	5
Ultrafast Spin Dynamics of Electrochemically Grown Heusler Alloy Films	Karim M.R., Adhikari A., Panda S.N., Sharangi P., Kayal S., Manna G., Kumar P.S.A	Physical Sciences	Journal of Physical Chemistry C	2021	306	4
Ultrafast Interfacial Electron Transfer from Graphene Quantum Dot to 2,4-Dinitrotoluene	Mishra K., Das A., Ghosh S.	Chemical Sciences	Journal of Physical Chemistry C	2021	306	3
Correct structural phase stability of feo2, tio2, and mno2 from a semilocal density functional	Patra B., Jana S., Constantin L.A., Samal P.	Physical Sciences	Journal of Physical Chemistry C	2021	306	4
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., Heske C., Weinhardt L., C	Physical Sciences	Journal of Physical Chemistry C	2021	306	0
Investigations on the Electronic Structure of the Strongly Correlated Electron System Cr-Doped PrFeO3	Kumar A., Warshi M.K., Sagdeo A., Sagdeo P.R.	Physical Sciences	Journal of Physical Chemistry C	2021	306	3
Sensitivity of Nitrogen K-Edge X-ray Absorption to Halide Substitution and Thermal Fluctuations in Methylammonium Lead-Halide Perovskites	Sterling C.M., Kamal C., Man G.J., Nayak P.K., Simonov K.A., Svanström S., Garcia	Physical Sciences	Journal of Physical Chemistry C	2021	306	2
Doping-Induced Combined Fano 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	306	14
Ordering of ZnS Nanorods at the Air-Liquid Interface: An In Situ X-ray Scattering Study	Maiti S., Mahajan A., Mali S., Mukhopadhyay M.K., Acharya S., Sanya	Physical Sciences	Journal of Physical Chemistry C	2021	306	1
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., Kaur G., Kaur A., Ghosh H	Chemical Sciences	Journal of Physical Chemistry Letters	2021	220	0
Enhanced Charge Carrier Separation and Improved Biexciton Yield at the p-n Junction of SnSe/CdSe Heterostructures: A Detailed Electrochemical and Ultrafast Spectrosco	Kaur A., Goswami T., Rondiya S.R., Jadhav Y.A., Babu K.J., Shukla A., Yadav D.K.,	Chemical Sciences	Journal of Physical Chemistry Letters	2021	220	0
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	220	1
Ultrafast Insights into High Energy (C and D) Excitons in Few Layer WS2	Goswami T., Bhatt H., Babu K.J., Kaur G., Ghorai N., Ghosh H.N.	Chemical Sciences	Journal of Physical Chemistry Letters	2021	220	5
Defect-Mediated Slow Carrier Recombination and Broad Photoluminescence in Non-Metal-Doped Znin2S4Nanosheets for Enhanced Photocatalytic Activity	Goswami T., Yadav D.K., Bhatt H., Kaur G., Shukla A., Babu K.J., Ghosh H.N.	Chemical Sciences	Journal of Physical Chemistry Letters	2021	220	11
Concurrent Energy- And Electron-Transfer Dynamics in Photoexcited Mn-Doped CsPbBr3Perovskite Nanoplatelet Architecture	Justice Babu K., Kaur G., Shukla A., Kaur A., Goswami T., Ghorai N., Ghosh H.N.	Chemical Sciences	Journal of Physical Chemistry Letters	2021	220	7
Effect of Charge Injection on the Conducting Filament of Valence Change Anatase TiO2Resistive Random Access Memory Device	Sahu M.C., Mallik S.K., Sahoo S., Gupta S.K., Ahuja R., Sahoo S.	Physical Sciences	Journal of Physical Chemistry Letters	2021	220	5
Electronic and Vibrational Decoupling in Chemically Exfoliated Bilayer Thin Two-Dimensional V2O5	Reshma P.R., Pazhedath A., Sinha S.K., Dasgupta A., Karuppiah G., Prasad A.K., D	Physical Sciences	Journal of Physical Chemistry Letters	2021	220	1
Revealing Explicit Microsecond Carrier Diffusion from One Emission Center to Another in an All-Inorganic Perovskite Nanocrystal	Das A., Mishra K., Ghosh S.	Chemical Sciences	Journal of Physical Chemistry Letters	2021	220	2
Revisiting the photochemistry 2,5-dihydroxy benzoic acid (gentisic acid): Solvent and pH effect	Adhikari M., Joshi H.C., Mehata M.S., Mishra H., Pant S.	Physical Sciences	Journal of Physical Organic Chemistry	2021	68	1
Nearly Markovian maps and entanglement-based bound on corresponding non-Markovianity	Das S., Roy S.S., Bhattacharya S., Sen U.	Physical Sciences	Journal of Physics A: Mathematical and Theoretical	2021	155	0
Protecting quantum correlations in presence of generalised amplitude damping channel: The two-qubit case	Goswami S., Ghosh S., Majumdar A.S.	Physical Sciences	Journal of Physics A: Mathematical and Theoretical	2021	155	1
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., Chaplot S.L.	Physical Sciences	Journal of Physics and Chemistry of Solids	2021	112	2
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	112	2
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	112	2
The relaxation processes of dielectric, modulus and impedance in Dy0.5Sr0.45Mn1- xFexO3	Yadagiri K., Nithya R.	Physical Sciences	Journal of Physics and Chemistry of Solids	2021	112	1
Sensitivity of As K-edge absorption to rare earth (RE) doping in Ca1-xRExFeAs2: A first principles study	Ghosh S., Ghosh H.	Physical Sciences	Journal of Physics and Chemistry of Solids	2021	112	8
Anomalous structural behavior and antiferroelectricity in BiGdO3: Detailed temperature and high-pressure study	Jana R., Dutta A., Saha P., Mandal K., Ghosh B., Chandra A., Das I., Mukherjee G.	Physical Sciences	Journal of Physics Condensed Matter	2021	233	0
Phase transition mechanism of hexagonal graphite to hexagonal and cubic diamond: Ab initio simulation	Mittal R., Gupta M.K., Chaplot S.L.	Physical Sciences	Journal of Physics Condensed Matter	2021	233	0
Lattice assisted dielectric relax

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	45	0
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	45	1
Transposition flap for the oncoplastic reconstruction of outer quadrant breast defects	Joshi S., Jaiswal D., Chougle Q., Wadasadawala T., Badwe R.A.	Medical and Health Sciences	Journal of Plastic, Reconstructive and Aesthetic Surgery	2021	99	2
Plastic surgery practices amidst global COVID-19 pandemic: Indian consensus	Agarwal R., Singhal M., Shankhdhar V.K., Chittoria R.K., Sahu R.K., Singh V., Chan	Medical and Health Sciences	Journal of Plastic, Reconstructive and Aesthetic Surgery	2021	99	3
Synthesis of bi-functional chelating sorbent for recovery of uranium from aqueous solution: sorption, kinetics and reusability studies	Kanjilal A., Singh K.K., Tyagi A.K., Dey G.R.	Chemical Sciences	Journal of Polymer Research	2021	60	0
A new strategic approach to modify electrode and electrolyte for high performance Li–S battery	Dutta Pathak D., Mandal B.P., Tyagi A.K.	Chemical Sciences	Journal of Power Sources	2021	320	6
Comparative evaluation of surface-modified zirconia for the growth of bone cells and early osseointegration	Majhi R., Majhi R.K., Garhnayak L., Patro T.K., Dhal A., Kumar S., Guha P., Goswa	Life Sciences	Journal of Prosthetic Dentistry	2021	136	1
Two-piece oral facial prothesis retained with magnets for a complex maxillary facial defect: A clinical report	Dholam K.P., Singh G.P., Sathaye N., Gurav S.V., Shinde A.	Medical and Health Sciences	Journal of Prosthetic Dentistry	2021	136	0
Development of a psychosocial perception scale and comparison of psychosocial perception of patients with extra oral defects before and after facial prosthesis	Dholam K.P., Parkar S.P., Dugad J.A., Kharade P.P., Shinde A.A., Gurav S.V.	Medical and Health Sciences	Journal of Prosthetic Dentistry	2021	136	0
An in vivo Interaction Network of DNA-Repair Proteins: A Snapshot at Double Strand Break Repair in Deinococcus radiodurans	Ujaoney A.K., Padwal M.K., Basu B.	Life Sciences	Journal of Proteome Research	2021	168	1
Comprehensive proteomic analyses reveals distinct functional modules associated with skull base and supratentorial meningiomas and perturbations in collagen pathway	Mukherjee S., Gupta S., Datta J., Swain K.K., Chetty P., Moiyadi A., Ball G.R., Srivastava S.	Medical and Health Sciences	Journal of Proteomics	2021	111	1
Cancer epidemiology literature from India: Does it reflect the reality?	Deepa K.V., Venghateri J.B., Khajanchi M., Gadgil A., Roy N.	Medical and Health Sciences	Journal of Public Health (United Kingdom)	2021	90	2
Electronic states of nitromethane: Experimental and theoretical studies	Shastri A., Das A.K., Sunanda K., Rajasekhar B.N.	Physical Sciences	Journal of Quantitative Spectroscopy and Radiative Transf	2021	111	1
Isotope shift measurements in 555-833 nm wavelength region with FTS and electronic configuration assignments to the energy levels of neutral dysprosium atom	Ankush B.K., Ahmad S.A., Deo M.N.	Chemical Sciences	Journal of Quantitative Spectroscopy and Radiative Transf	2021	111	0
Electronic and vibrational spectroscopy of ethyl methyl carbonate: A comparative experimental and theoretical study	Das A.K., Sunanda K., Rajasekhar B.N.	Physical Sciences	Journal of Quantitative Spectroscopy and Radiative Transf	2021	111	1
Odd parity autoionization levels of Lu I by three-step photoionization	Rath R.D., Biswal D., Rundu S.	Physical Sciences	Journal of Quantitative Spectroscopy and Radiative Transf	2021	111	1
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 Transf	2021	111	2
The observation of the D2+ state of scandium monoxide molecule: Deperturbation analysis of the interacting C2Πi, v = 4 and D2Σ+, v = 0 states	Mukund S., Bhattacharyya S., Nakhate S.G.	Physical Sciences	Journal of Quantitative Spectroscopy and Radiative Transf	2021	111	1
In regard to the article "Effectiveness of robust optimization in volumetric modulation arc therapy using 6 and 10 MV flattening filter-free beam therapy planning for lung	Agarwal P., Kinhikar R.	Medical and Health Sciences	Journal of Radiation Research	2021	63	0
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.	Chemical Sciences;Physical Scien	Journal of Radioanalytical and Nuclear Chemistry	2021	70	0
Estimation of indoor radon and thoron levels along with their progeny in dwellings of Roopnagar District of Punjab, India	Shikha D., Kaur R., Gupta N., Kaur J., Chandan, Sapra B.K., Singh S.P., Mehta V.	Physical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	2
Dynamics and direct sensing of radon progeny	Mishra R., Rout R.P., Prajith R., Jalaluddin S., Khan A., Sapra B.K., Mayya Y.S.	Physical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	1
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.B., Bhatt R.B.	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	0
Evaluation of transfer factor and ecological half life of 137Cs in terrestrial matrices around Kakrapar Gujarat Site, India during 1993–2019	Wagh S.S., Patra A.K., Joshi C.P., John J.T., Jha M.K., Nankar D.P., Jain A., Jain S.	Engineering Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	0
New hydrophobic DES based on tri–n–octylphosphine oxide and dicarboxylic acids: synthesis, spectroscopy and liquid–liquid extraction of actinides	Kshirsagar A., Verma P.K., Murali M.S.	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	0
Study of indoor radon, thoron and their decay products in residences of Udham Singh Nagar district of Uttarakhand, India	Dutt S., Joshi V., Sawan R.S., Yadav J.R., Mishra R., Ramola R.C.	Physical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	0
A Computational Fluid Dynamics code for aerosol and decay-product studies in indoor environments	Agarwal T.K., Sahoo B.K., Kumar M., Sapra B.K.	Physical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	2
Cost effective separation of uranium ion using exhausted household products and natural bio-sorbent	Hashmi S., Sengupta A., Chauhan R.S.	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	2
Radon mapping in groundwater and indoor environs of Budgam, Jammu and Kashmir	Nazir S., Sahoo B.K., Rani S., Masood S., Mishra R., Ahmad N., Rashid I., Zahoor A	Physical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	4
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 do	Kushwaha K., Mitra A., Chakraborty A., Keshavkumar B., Tawate M., Lad S., Upa	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	0
Simultaneous quantification of low Z elements in phosphorus containing alkali borosilicate glass samples by in situ Current normalized external (in air) PIGE method utilis	Prakash A.D., Mishra R.K., Valsala T.P., Sharma V., Achary R., Tyagi A.K., Pujari	Physical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	2
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., Tomar B.S.	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	0
Studies on the preparation and characterization of 90Y-EGMP patches designed for superficial skin brachytherapy	Saxena S.K., Kumar Y., Pandey A.K., Muthe K.P.	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	0
Study on radon (222Rn) emanation coefficient and mass exhalation rate from heavy minerals of high specific gravity	Jha S.K., Prusty P., Sahu A., Srivastava V.S., Kulkarni M.S.	Chemical Sciences;Physical Scien	Journal of Radioanalytical and Nuclear Chemistry	2021	70	1
Measurement of 902(n,2n)89Zr and 902(n,p)90mY reaction cross-sections in the neutron energy range of 10.95 to 20.02 MeV	Mehta M., Singh N.L., Singh R.K., Parashari S., Subhash P.V., Naik H., Chauhan R.	Physical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	1
Determination of boron in in-house graphite reference material by instrumental charged particle activation analysis	Dasgupta S., Datta J., Swain K.K.	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	0
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	70	2
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., Ananthanarayanan A., Banerjee D., S	Chemical Sciences;Engineering Sc	Journal of Radioanalytical and Nuclear Chemistry	2021	70	1
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	70	0
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 C., Lad S., Pawar Y., Basu	Medical and Health Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	1
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	70	0
Distribution of 210Pb and 210Po in ground water around uranium mineralized area of Jaduguda, Jharkhand, India	Sharma D.B., Jha V.N., Singh S., Sethy N.K., Sahoo S.K., Jha S.K., Kulkarni M.S.	Chemical Sciences;Physical Scien	Journal of Radioanalytical and Nuclear Chemistry	2021	70	2
Mixer-settler runs with tri-iso-amyl phosphate and tri-n-butyl phosphate for the aqueous reprocessing of U–Zr alloy fuels	Sreenivasulu B., Suresh A., Rao C.V.S.B., Sivaraman N.	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	1
Development of a remote aliquoting system and a remote titration method for analysis of fast reactor fuel reprocessing plant samples inside a hot cell	Parthasarathy S., Kumar V.G., Subbarao R.V.	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	0
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	70	0
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	70	1
Studies on the uptake behavior of nickel from flowing sodium for Mn, Co and Zn	Manivannan A., Sudha R., Maharajan S., Shaji D., Maheswari R.U., Joseph K., Jay	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	0
Diethylenetriamine functionalized silica gel for adsorption of uranium from aqueous solution and seawater	Amesh P., Venkatesan K.A., Suneesh A.S., Gupta D.K., Ravindran T.R.	Chemical Sciences;Physical Scien	Journal of Radioanalytical and Nuclear Chemistry	2021	70	3
Comparative evaluation of radiolytic stability of aqueous soluble BTP and BTBP derivatives under static gamma irradiation	Jose J., Prathibha T., Karthikeyan N.S., Venkatesan K.A., Robert Selvan B., Seshac	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	1
Effect of temperature, radiation dose and composition on density, viscosity and volumetric properties of N,N,N′,N′-tetraoctyl diglycolamide (TODGA) and n-dodecane mix	Ravi J., Mishra S., Murali R., Desigan N., Pandey N.K.	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	0
Trace elemental fingerprinting of Ayurvedic formulation Nishakatakadi using XRF and NAA	Ibrahim S., Musthafa M.M., Aslam M.M., Abdurahman K.M., Sudarshan M., Elur	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	0
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	70	1
Separation of 109Cd impurity from a decayed 110m/108mAg source	Mandal S., Naskar N., Mandal A., Ghosh K., Lahiri S.	Chemical Sciences	Journal of Radioanalytical and Nuclear Chemistry	2021	70	0
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	70	2
Monte Carlo-based dosimetric studies of a locally developed 170Tm LDR brachytherapy seed source	Sahoo S., Palani Selvam T., Pathan M., Saxena S.K., Pandey U., Kumar M., Kumar	Chemical Sciences;Physical Scien	Journal of Radiological Protection	2021	49	0
Wire mesh capped DRPS based bronchial dosimeter for personal inhalation dosimetry due to radon progeny	Rout R.P., Bishra R., Prajith R., Jalaluddin S., Sapra B.K.	Physical Sciences	Journal of Radiological Protection	2021	49	0
Para-xylene under extreme conditions: A Raman spectroscopic study	Chaurasia S., Rao U., Mohan A.	Physical Sciences	Journal of Raman Spectroscopy	2021	117	0
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	117	2
High temperature thermodynamic stability study of NaCeF4 in NaF-CeF3 system during waste burning in Molten Salt Reactor	Mukherjee S., Dash S.	Chemical Sciences	Journal of Solid State Chemistry	2021	148	0
Variation of structural disorder in Zr substituted Y2Sn2O7: Its impact on photocatalysis	Mandal B.P., Bhattacharyya K., Zain J.H., Sudarsan V., Nigam S., Nayak C., Tyagi	Chemical Sciences	Journal of Solid State Chemistry	2021	148	0
Structural and thermal study of Sr(Th1-x(Ux)PO4)2 compounds	Keskar M., Patkare G., Shafeeq M., Phatak R.A., Kannan S.	Chemical Sciences	Journal of Solid State Chemistry	2021	148	0
Synthesis of novel chromium carbide using laser heated diamond anvil cell	Arpita Aparajita A.N., Sanjay Kumar N.R., Chandra S., Chandra Shekar N.V., Kalav	Physical Sciences	Journal of Solid State Chemistry	2021	148	0
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	81	3
Shock Propagation in the Hard Sphere Gas in Two Dimensions: Comparison Between Simulations and Hydrodynamics	Joy J.P., Rajesh R.	Physical Sciences	Journal of Statistical Physics	2021	109	2
Shock Propagation Following an Intense Explosion: Comparison Between Hydrodynamics and Simulations	Joy J.P., Pathak S.N., Rajesh R.	Physical Sciences	Journal of Statistical Physics	2021	109	4
Network biology approach to human tissue-specific chemical exposome	Ravichandran J., Karthikeyan B.S., Aparna S.R., Samal A.	Life Sciences	Journal of Steroid Biochemistry and Molecular Biology	2021	133	1
Correlating Role of Substrate and Modified Physical Properties of (BiO.5La0.5FeO3)1-x-(Ba0.75r0.3TiO3)x (x = 0, 0.5) Thin Films	Vansutre S., Radha S., Prajapat C.L., Verma A., Bhatt H., Kaushik S.D.	Physical Sciences	Journal of Superconductivity and Novel Magnetism	2021	50	0
Investigation on Magnetic and Magnetocaloric Properties of DySe2	Sathyanarayana A.T., Vinod K., Mani A.	Physical Sciences	Journal of Superconductivity and Novel Magnetism	2021	50	2
Studies on Colossal Magnetoresistance Behaviour of Pr0.6Sr0.4MnO3/Pr0.5Ca0.5MnO3 Heterostructure Films	Gayathri V., Kumary T.G., Amaladass E.P., Sathyanarayana A.T., Mani A.	Physical Sciences	Journal of Superconductivity and Novel Magnetism	2021	50	1
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 N.	Chemical Sciences	Journal of Supercritical Fluids	2021	119	1
In vitro solubilization of antibiotic drug sulfamethizole: An investigation on complex formation by spectroscopic and scattering techniques	Mavani A., Dwuna A., Lukham S., Ray D., Aswal V.K., Chatterjee S., Bhattacharyy	Physical Sciences	Journal of Surfactants and Detergents	2021	51	0
Blood testis barrier revisited—Analysis of post-chemotherapy germ cell tumor orchidectomy and retroperitoneal lymph node dissection specimens	Gupta A., Noronha J., Bakshi G., Menon S., Pal M., Joshi A., Prabash K., Noronha	Medical and Health Sciences	Journal of Surgical Oncology	2021	115	1
Optimal neoadjuvant strategy for signet ring cell carcinoma of the rectum—Is TNT the solution?	Kazi M., Jain D., Padhy A.S., Menon M., Desouza A., Sukumar V., Gori J., Ostwal	Medical and Health Sciences	Journal of Surgical Oncology	2021	115	4
Towards standardization of management of gallbladder carcinoma with obstructive jaundice: Analysis of 113 cases over 10 years at a single institution	Goel M., Gupta A.M., Patkar S., Parray A.M., Shetty N., Ramaswamy A., Patil P.	Medical and Health Sciences	Journal of Surgical Oncology	2021	115	1
Assessing the quality of life of head and neck healthcare workers during the COVID-19 pandemic—A self-reported global cross-sectional questionnaire study by the Intern	Singh A., Garg A., Mandlik D., Vander Poorten V., Patel S.G., O'Neill J.P., Spriano	Medical and Health Sciences	Journal of Surgical Oncology	2021	115	0
Long-term oncological outcomes of the sphincter preserve for distal rectal excision with varying distal resection margins	Kazi M., Bhanse R., Desouza A., Ostwal V., Engineer R., Patel S., Sukumar V., Sak	Medical and Health Sciences	Journal of Surgical Oncology	2021	115	2
Is resection for noncolorectal, nonneuroendocrine liver metastases justified?	Patkar S., Nyogi D., Parray A., Goel M.	Medical and Health Sciences	Journal of Surgical Oncology	2021	115	2
Feasibility of Dissolution of U–Zr Alloy in an Acid-Saturated Amide Ligand	Rout A., Ramanathan N.	Chemical Sciences	Journal of Sustainable Metallurgy	2021	27	0
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., Jha S.N., Sharma T.K.,	Physical Sciences	Journal of Synchrotron Radiation	2021	104	0
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., Bhattacharyya D.	Physical Sciences	Journal of Synchrotron Radiation	2021	104	1
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.R., Garg C.K., Gauttam	Physical Sciences	Journal of Synchrotron Radiation	2021	104	1
Boosting the Electrocatalytic Conversion of Nitrogen to Ammonia on Metal-Phthalocyanine-Based Two-Dimensional Conjugated Covalent Organic Frameworks	Zhong H., Wang M., Ghorbani-Asl M., Zhang J., Ly K.H., Liao Z., Chen G., Wei Y.,	Chemical Sciences	Journal of the American Chemical Society	2021	644	12
Cytopathology of solitary fibrous tumor: a series of 34 cases	Wakely P.E., Jr., Rekhi B.	Medical and Health Sciences	Journal of the American Society of Cytopathology	2021	16	6
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	2021	44	0
Comparison of microstructure and mechanical performance of laser and electron beam welded Ti6Al4V alloy	Chowdhury S., Yadaiah N., Murlidhar M., Kumar D.A., Paul C.P., Patra S.K., Singh	Engineering Sciences	Journal of the Brazilian Society of Mechanical Sciences and	2021	44	4
Post hoc analysis of a randomized controlled trial comparing concurrent chemoradiation with cisplatin versus nimotuzumab-cisplatin, focusing on acute oral mucositis	Noronha V., Patil V.M., Singh G.K., Joshi A., Menon N., Lashkar S.G., Mathrudev	Medical and Health Sciences	Journal of the Egyptian National Cancer Institute	2021	25	0
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	284	1
Studies on Direct Electrochemical De-Oxidation of Solid ThO2in Calcium Chloride Based Melts	Mukherjee A., Kumaresan R., Joseph K.	Chemical Sciences	Journal of the Electrochemical Society	2021	284	1
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	284	0
Two stage sintering behaviour of Er2O3 doped high performance ZnO varistors	Roy S., Das D., Roy T.K.	Engineering Sciences	Journal of the European Ceramic Society	2021	159	5
Fluorescent probes for the stabilization and detection of G-quadruplexes and their prospective applications	Baropath N., Mohanty J., Bhasikuttan A.C.	Chemical Sciences	Journal of the Indian Chemical Society	2021	33	2
Performance of Fly Ash blended Crushed Sand Concrete	Venkitasamy V., Gopala Krishnan S., Rao B.P.C.	Engineering Sciences	Journal of The Institution of Engineers (India): Series A	2021	14	0
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 S.K.	Chemical Sciences	Journal of The Institution of Engineers (India): Series E	2021	14	0
Challenges in the delivery of critical care in India during the COVID-19 pandemic	Tirupakuzhi Vijayaraghavan B.K., Nainan Myatra S., Mathew M., Lodh N., Vasishf	Medical and Health Sciences	Journal of the Intensive Care Society	2021	19	5
Effect of Early Palliative Care on Quality of Life of Advanced Head and Neck Cancer Patients: A Phase III Trial	Patil V.M., Singhal P., Noronha V., Bhattacharjee A., Deodhar J., Salins N., Joshi A	Medical and Health Sciences	Journal of the National Cancer Institute	2021	367	2
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	146	1
Isotope selective three-step photoionization of 176Lu	Suryanarayana M.V.	Physical Sciences	Journal of the Optical Society of America B: Optical Physics	2021	146	4
Realization of doubly inhomogeneous waveplates for structuring of light beams	Radhakrishna B., Kadiri G., Raghavan G.	Physical Sciences	Journal of the Optical Society of America B: Optical Physics	2021	146	2
Polarization enhanced tunable doppler-free Dichroic lock technique for laser frequency locking	Singh V., Tiwari V.B., Mishra S.R.	Physical Sciences	Journal of the Optical Society of America B: Optical Physics	2021	146	2
Effects of vector magnetic field on electromagnetically induced transparency with lin ⊥ lin polarization	Das B.C., Das A., Bhattacharyya D., De S.	Physical Sciences	Journal of the Optical Society of America B: Optical Physics	2021	146	0
Magnesiothermic reduction kinetics of UF4	Agarwal R., Raina A., Gupta N.K.	Chemical Sciences	Journal of the Thermal Analysis and Calorimetry	2021	101	1
Cu–Cl Thermochemical Water Splitting Cycle: Probing Temperature-Dependent CuCl2 Hydrolysis and Thermolysis Reaction Using In Situ XAS	Singh R.V., Pai M.R., Banerjee A.M., Nayak C., Phapale S., Bhattacharyya D., Tripa	Chemical Sciences;Physical Scien	Journal of Thermal Analysis and Calorimetry	2021	101	0
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	101	5
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., Tiwari N., Ghorui S.	Engineering Sciences;Physical Sci	Journal of Thermal Spray Technology	2021	87	1
Preparation and characterization of polypropylene/polylactide blends and nanocomposites and their biodegradation study	Mandal D.K., Bhunia H., Bajpai P.K., Chauchuri C.K., Dubey K.A., Varshney L., Ku	Chemical Sciences	Journal of Thermoplastic Composite Materials	2021	48	9
Radiotherapy of brain metastasis from lung cancer in limited resource settings	Agarwal J.P., Tibdewal A., Mohanty S., Mummudi N.	Medical and Health Sciences	Journal of Thoracic Oncology	2021	70	0
Scaling in large area field emitters and the emission dimension	Rudra R., Biswas D.	Physical Sciences	Journal of Vacuum Science and Technology B: Nanotechno	2021	120	1
Six-year study on peripheral venous catheter–associated BSI rates in 262 ICUs in eight countries of South-East Asia: International Nosocomial Infection Control Consortiu	Rosenthal V.D., Bat-Erdene I., Gupta D., Rajhans P., Myatra S.N., Muralidharan S	Medical and Health Sciences	Journal of Vascular Access	2021	38	1
Percutaneous Radiofrequency Ablation of Appendicular Skeleton Chondroblastoma—an Experience from a Tertiary Care Center	Kulkarni S.S., Shetty N.S., Gala K.B., Shariq M., Gulia A., Polnaya A.M., Shetty N.G	Medical and Health Sciences	Journal of Vascular and Interventional Radiology	2021	137	0
Graphene oxide-MnO2-goethite microsphere impregnated alginate: A novel hybrid nanosorbent for As (III) and As (V) removal from groundwater	Basu H., Singh S., Venkatesh M., Pimple M.V., Singhal R.K.	Chemical Sciences	Journal of Water Process Engineering	2021	59	10
Charakterisierung des Wärmeübergangs bei radialer Strahlwiederbenetzung: Heat transfer characterization under radial jet and falling film induced rewetting	Kumar M., Deosarkar A., Bhandare M.S., Murugan J.R., Khandelwal G., Chaudha	Engineering Sciences	Kerntechnik	2021	19	0
Large eddy fire simulation applications from nuclear industry [Ausgewählte Berechnungen unter Verwendung des Large-Eddy-Turbulenzmodells für Brandszenarien in de	Sharma P.K., Verma V., Chattopadhyay J., Vinod G.	Engineering Sciences	Kerntechnik	2021	19	0
State-of-the-art surgery for recurrent and locally advanced rectal cancers	Kazi M., Sukumar V., Desouza A., Saklani A.	Medical and Health Sciences	Langenbeck's Archives of Surgery	2021	84	4
Outcomes of exenteration in cT4 and fixed cT3 stage primary rectal adenocarcinoma: a subgroup analysis of consolidation chemotherapy following neoadjuvant concurre	Kumar N.A., Desouza A., Ostwal V., Sasi S.P., Verma K., Ramaswamy A., Enginee	Medical and Health Sciences	Langenbeck's Archives of Surgery	2021	84	4
Risk factors and outcomes of conversion in minimally invasive distal pancreatectomy: a systematic review	Balduzzi A., van der Heijde N., Alseidi A., Dokmak S., Kendrick M.L., Polanco P.M.	Medical and Health Sciences	Langenbeck's Archives of Surgery	2021	84	1
Curative resection for adenocarcinoma of the gastro-esophageal junction following neoadjuvant chemotherapy—thoraco-abdominal vs. trans-abdominal approach	Kumar M., Desouza A., Bhandare M.S., Murugan J.R., Khandelwal G., Chaudha	Medical and Health Sciences	Langenbeck's Archives of Surgery	2021	84	1
Urinary reconstruction following total pelvic exenteration for locally advanced rectal cancer: complications and factors affecting outcomes	Kazi M., Rohila J., Kumar N.A., Bankar S., Engineer R., Desouza A., Saklani A.	Medical and Health Sciences	Langenbeck's Archives of Surgery	2021	84	4
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	346	1
Origin of the Hierarchical Structure of Dendritic Fibrous Nanosilica: A Small-Angle X-ray Scattering Perspective	Bahadur J., Maity A., Sen D., Das A., Polshettiwar V.	Physical Sciences	Langmuir	2021	346	4
Tuning Cationic Micelle Properties with an Antioxidant Additive: A Molecular Perspective	Kumar V., Sai G.M., Verma R., Mitchell-Koch K.R., Ray D., Aswal V.K., Thareja P.	Physical Sciences	Langmuir	2021	346	2
Probing Kinetics and Mechanism of Formation of Mixed Metallic Nanoparticles in a Polymer Membrane by Galvanic Replacement between Two Immiscible Metals: Case	Gaidhani N.G., Patra S., Chandwadkar H.S., Sen D., Majumder C., Ramagiri S.V.,	Chemical Sciences	Langmuir	2021	346	2
Adsorption of P103 Nanoaggregates on Graphene Oxide Nanosheets: Role of Electrostatic Forces in Improving Nanosheet Dispersion	Patil R., Ray D., Aswal V.K., Bussy C., Bahadur P., Tiwari S.	Physical Sciences	Langmuir	2021	346	5
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	346	0
Probing How Various Metal Ions Interact with the Surface of QDs: Implication of the Interaction Event on the Photophysics of QDs	Preeyanka N., Sarkar M.	Chemical Sciences	Langmuir	2021	346	5
Probing the Interaction of Bovine Serum Albumin with Copper Nanoclusters: Realization of Binding Pathway Different from Protein Corona	Akhuli A., Chakraborty D., Agrawal A.K., Sarkar M.	Chemical Sciences	Langmuir	2021	346	13
Distress Screening in Head and Neck Cancer Patients Planned for Concurrent Chemoradiotherapy	Lewis S., Pandey S., Salins N., Deodhar J., Patil V., Gupta T., Laskar S.G., Budrukk	Medical and Health Sciences	Laryngoscope	2021	157	2
Preparation and characterization of laser clad alfecuccroni high-entropy alloy (hea) coating for improved corrosion performance	Merghani J., Vyas A., More S., Paul C.P., Ingole S.	Engineering Sciences	Lasers in Engineering	2021	18	0
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 A., Ganesh P., Kaul R.	Physical Sciences	Lasers in Manufacturing and Materials Processing	2021	14	0
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	77	4
Risk prediction by Raman spectroscopy for disease-free survival in oral cancers	Bhattacharjee A., Hole A., Malik A., Sahu A., Singh S.P., Deshmukh A., Nair S., Ch	Life Sciences;Medical and Health	Lasers in Medical Science	2021	77	1
Explaining the Beyond EDGES Observation of 21 cm Line with Dark Matter-Dark Energy and Dark Matter-Baryon Interactions	Mukhopadhyay U., Majumdar D., Datta K.K.	Physical Sciences	Letters in High Energy Physics	2021	7

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	155	0
Pressure induced topological and structural transitions in iron and sulphur doped Sb2Te3	Pal D., Sharma B.B., Gangwar V.K., Dan S., Singh M., Garg N., Patil S., Chatterjee	Physical Sciences	Materials Letters	2021	155	0
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	155	1
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., Portales A., Mao Y.	Chemical Sciences	Materials Letters	2021	155	2
Micro void detection and quantification in Al-Mg alloy by application of quantum dot luminescence	Gupta C., Sreejith K.	Engineering Sciences	Materials Letters	2021	155	0
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., Basu S., Singh S.	Physical Sciences	Materials Letters	2021	155	1
Observations of Point Defect Dynamics in the Recrystallization of Cold-rolled Tungsten Foils	Maya P.N., Mukherjee S., Sharma P., Satyaprasad A., Pujari P.K.	Chemical Sciences	Materials Letters	2021	155	3
Evidence of weak-antilocalization phenomenon in Al-induced crystallization grown polycrystalline-SiGe thin film	Sain T., Kishan Singh C., Amaladass E.P., Abhirami S., Ilango S., Mathews T., Man	Physical Sciences	Materials Letters	2021	155	1
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	155	3
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., Prasad Reddy G.V.	Engineering Sciences	Materials Letters	2021	155	2
Microstructure and properties of NiTi55 binary alloy structures built using Wire Arc Additive Manufacturing	Singh S., Jinoop A.N., Palani I.A., Paul C.P., Tomar K.P., Prashanth K.G.	Engineering Sciences	Materials Letters	2021	155	2
Hydrothermal synthesis of Bi2Fe4O9 nanochains and study of their multiferroic coupling	Sahoo A., Das M., Mandal P., Bhattacharya D.	Physical Sciences	Materials Letters	2021	155	3
Structure and stability of biodegradable polymer nanoparticles in electrolyte solution	Saha D., Kumar S., Ray D., Mata J., Aswal V.K.	Physical Sciences	Materials Letters: X	2021	5	3
Prediction of long-term creep properties of zirconium-2.5 % niobium alloy using wilshire method	Patel V., Singh R.N., Krishnan M.	Engineering Sciences	Materials Performance and Characterization	2021	14	0
Processing of ZrB2- And HfB2-based ultra-high temperature ceramic materials: A review	Sonber J.K., Murthy T.S.R.Ch., Majumdar S., Kain V.	Engineering Sciences	Materials Performance and Characterization	2021	14	2
Stress corrosion cracking in austenitic stainless steels in reactor primary water-high purity oxidizing and in supercritical conditions	Das A., Roychowdhury S., Kain V.	Engineering Sciences	Materials Performance and Characterization	2021	14	1
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., Mudali U.K.	Chemical Sciences	Materials Performance and Characterization	2021	14	1
Core materials for sodium-cooled fast reactors: Past to present and future prospects	Reddy G.V.P., Karthik V., Latha S., Venkiteswaran C.N., Ramachandran D., Albert	Engineering Sciences;Physical Sci	Materials Performance and Characterization	2021	14	1
Deposition of TiN and TiAlN Thin Films on Stainless Steel Tubes by a Cylindrical Magnetron Sputtering Method	Trivedi K., Rane R., Joseph A., Arya S.B.	Physical Sciences	Materials Performance and Characterization	2021	14	0
Role of A and B site doping on antiferroelectric-ferroelectric phase transition in sodium bismuth titanate	Jayakrishnan V.B., Mishra S.K., Sastry P.U.	Physical Sciences	Materials Research Bulletin	2021	115	0
Enhanced sensitivity of caterpillar-like ZnO nanostructure towards amine vapor sensing	Gupta S.K., Joshi N., Lochab S., Valdez M., Lozano K., Mao Y.	Chemical Sciences	Materials Research Bulletin	2021	115	3
Unidirectional crystal growth of L-alanine doped triglycine sulphate crystals along [010] polar direction in ferroelectric and paraelectric temperature ranges, and their com	Pandian M.S., Verma S., Karuppasamy P., Ramasamy P., Tiwari V.S., Karnal A.K.	Physical Sciences	Materials Research Bulletin	2021	115	1
Tuning the thermal cyclic stability of martensitic transformation in Ni50.3Ti29.7Hf20 high temperature shape memory alloy	Prasher M., Sen D., Tewari R., Krishnan M.	Engineering Sciences	Materials Research Bulletin	2021	115	1
Very low thermal expansion materials operative over selective temperature region by tailoring the tetragonality of PbTiO3	Dan S., Mukherjee S., Ranganathan R., Mazumdar C.	Physical Sciences	Materials Research Bulletin	2021	115	0
Confinement creates a 9 GPa ambience: Emergence of cristobalite phases in a silica film	Pramanik S., Ghosh J., Chanda D.K., Mukhopadhyay M.K., Datta A.	Physical Sciences	Materials Research Express	2021	8	0
Recrystallization and structure-property correlation in V–Ti–Ta alloys	Jain J., Kesler M., Vishwanadh B., Krishna K.V.M., Gupta C., Sinha A.K., Tewari R.	Physical Sciences	Materials Science and Engineering A	2021	145	0
Interfacial strain relief by periodic dislocation doublets arising from rotationally related orientation relationships of Y4Zr3O12 dispersions in ferrite matrix	Mohan S., George A., Vijay R., David C., Amarendra G.	Physical Sciences	Materials Science and Engineering A	2021	145	1
Influence of prior deformation temperature on strain induced martensite formation and its effect on the tensile strengthening behaviour of type 304 SS studied by XRDLP	Teena Mouni C., S.M., C.R., Albert S.K., Das C.R., Parida P.K., Sagdeo A.	Engineering Sciences;Physical Sci	Materials Science and Engineering A	2021	145	2
Mechanism of HCF-creep interaction in a type 316LN stainless steel	Sarkar A., Dash M.K., Nagesha A.	Engineering Sciences	Materials Science and Engineering A	2021	145	1
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 A	2021	145	1
Microstructure and mechanical properties of 9Cr-0.5Mo-1.8W–VNb [P92] steel weld joints processed by fusion welding	Madurai muthu V., Vasantharaja P., Vasudevan M., Panigrahi B.S.	Chemical Sciences;Engineering Sc	Materials Science and Engineering A	2021	145	2
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., Saikumaran A., Mythili R., Anil K	Engineering Sciences	Materials Science and Engineering A	2021	145	2
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., Albert S.K.	Engineering Sciences	Materials Science and Engineering A	2021	145	1
Copolymer composition tailored carbon nanotube network breakdown and piezoresistivity of ethylene-vinyl acetate electroconductive composites	Mondal R.K., Dubey K.A., Bhanu Prakash S., Kumar J., Melo J.S., Bhardwaj Y.K.	Chemical Sciences	Materials Science and Engineering B: Solid-State Materials	2021	124	0
Thermodynamic stability study of Li3ThF7 and Li7ThbF31 in Li-Th-F system	Mukherjee S., Dash S.	Chemical Sciences	Materials Science and Engineering B: Solid-State Materials	2021	124	1
Convisting superconductivity and ferromagnetism in the (V0.60Ti0.40)-Ge ternary alloys	Paul S., Ramjan S.K., Chandra L.S.S., Chattopadhyay M.K.	Physical Sciences	Materials Science and Engineering B: Solid-State Materials	2021	124	2
Design strategies and evolving role of biomaterial assisted treatment of osteosarcoma	Quadros M., Momin M., Verma G.	Chemical Sciences	Materials Science and Engineering C	2021	145	9
Bio-extract amalgamated sodium alginate-cellulose nanofibres based 3D-sponges with interpenetrating BioPU coating as potential wound care scaffolds	Yadav C., Chhajed M., Choudhury P., Sahu R.P., Patel A., Chawla S., Goswami L.,	Life Sciences	Materials Science and Engineering C	2021	145	3
Modified tamarind kernel polysaccharide-based matrix alters neuro-keratinocyte cross-talk and serves as a suitable scaffold for skin tissue engineering	Choudhury P., Chawla S., Agarwal S., Singh A., Nayak A., Kumar A., Maji P.K., Go	Life Sciences	Materials Science and Engineering C	2021	145	0
Semiconducting nature and magnetoresistance behaviour of ZnO / La0.3Ca0.7MnO3 / SrTiO3 heterostructures	Venkateshwarlu D., Dadhich H., Rajyaguru B., Hans S., Ranjan M., Venkatesh R.,	Physical Sciences	Materials Science in Semiconductor Processing	2021	68	1
Enhancement in thermoelectric figure of merit of bismuth telluride system due to tin and selenium co-doping	Hegde D.S., Prabhu A.N., Rao A., Chattopadhyay M.K.	Physical Sciences	Materials Science in Semiconductor Processing	2021	68	7
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 A.K.	Chemical Sciences	Materials Today Chemistry	2021	36	1
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	36	0
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	30	1
Thermodynamic investigations on compounds of ZnO-V2O5 system	Phapale S., Dawar R., Pathak P., Achary S.N., Mishra R.	Chemical Sciences	Materials Today Communications	2021	30	1
Recent developments in two-dimensional layered tungsten dichalcogenides based materials for gas sensing applications	Sanyal G., Vaidyanathan A., Rout C.S., Chakraborty B.	Physical Sciences	Materials Today Communications	2021	30	1
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	30	0
Optical nanomaterials with focus on rare earth doped oxide: A Review	Gupta S.K., Sudarshan K., Kadam R.M.	Chemical Sciences	Materials Today Communications	2021	30	21
Thermodynamic investigation of Cr2TeO6 and Cr2Te4O11	Dawar R., Mishra R.	Chemical Sciences	Materials Today Communications	2021	30	0
(Y1-xNdx)3Zr5O14.5 solid solutions as inert matrices: Phase evolution, order-disorder dynamics and thermophysical behavior	Bhandari K., Grover V., Roy A., Bhatt R., Banerjee J., Tyagi A.K.	Chemical Sciences;Engineering Sc	Materials Today Communications	2021	30	2
Orthorhombic phases in bulk pure HfO2: Experimental observation from perturbed angular correlation spectroscopy	Banerjee D., Sewak R., Dey C.C., Toprek D., Prasad P.K.	Chemical Sciences	Materials Today Communications	2021	30	3
High thermopower and birefringence in layered mercury-based halides	Sahoo S.S., Sharma V.K., Gupta M.K., Mittal R., Kanchana V.	Physical Sciences	Materials Today Communications	2021	30	0
Twin boundary reversibility characteristics in α-Fe	Veerababu J., Sainath G., Nagesha A.	Engineering Sciences	Materials Today Communications	2021	30	0
High temperature Si–Ge alloy towards thermoelectric applications: A comprehensive review	Basu R., Singh A.	Physical Sciences	Materials Today Physics	2021	39	13
Anionic conduction mediated giant n-type Seebeck coefficient in doped Poly(3-hexylthiophene) free-standing films	Bharti M., Singh A., Debnath A.K., Chauhan A.K., Muthe K.P., Gupta S.K., Marum	Physical Sciences	Materials Today Physics	2021	39	9
Improved fractional hardy inequalities for dunkl gradient	Anoop V.P., Parul S.	Mathematical Sciences	Mathematical Inequalities and Applications	2021	44	0
Large fourier coefficients of modular forms	Gun S.	Mathematical Sciences	Mathematics Student	2021	1	0
Functional and comparative analysis of centromeres reveals clade-specific genome rearrangements in candida auris and a chromosome number change in related species	Narayanan A., Vadnala R.N., Ganguly P., Selvakumar P., Rudramurthy S.M., Pras	Life Sciences	mBio	2021	138	5
Relative humidity measurement sensor based on polyvinyl alcohol coated tilted fiber Bragg grating	Saini P.K., Prakash O., Kumar J., Purbia G.S., Mukherjee C., Dixit S.K., Nakhe S.V.	Physical Sciences	Measurement Science and Technology	2021	145	1
Influence of tack operation on metallographic and angular distortion in electron beam welding of Ti-6l-4V alloy	Chowdhury S., Yadaiah N., Anil Kumar D., Murlidhar M., Paul C.P., Prakash C., Kr	Engineering Sciences	Measurement: Journal of the International Measurement	2021	102	7
A study of hydride precipitation in zirconium	Khan I.A., Cocks A.C.F., Chattopadhyay J.	Physical Sciences	Mechanics of Materials	2021	112	1
Crushing of square honeycombs using disordered spring network model	Kumar D., Banerjee A., Rajesh R.	Physical Sciences	Mechanics of Materials	2021	112	2
Creep behavior of nuclear grade 316LN austenitic stainless steel at 873 K and 923 K	Ganesan V., Praveen C., Christopher J., Prasad Reddy G.V., Vasudevan M.	Engineering Sciences	Mechanics of Time-Dependent Materials	2021	46	0
Assessment of outcomes of elective cancer surgeries in children during coronavirus disease 2019 pandemic: Retrospective cohort study from a tertiary cancer center in In	Qureshi S.S., Ramraj D., Chinnaswamy G., Parambil B.C., Prasad M., Amin N., Ra	Medical and Health Sciences	Medicine	2021	23	0
Industrial experience with Fukushima Daiichi accident wastewater treatment: Part II	Pabby A.K., Swain B., Mittal V.K., Valsala T.P., Sathe D.B., Bhatt R.B.	Chemical Sciences	Membrane Technology	2021	23	0
Industrial experience with Fukushima Daiichi Accident wastewater treatment: Part I	Pabby A.K., Swain B., Mittal V.K., Valsala T.P., Sathe D.B., Bhatt R.B.	Chemical Sciences	Membrane Technology	2021	23	0
Stabilization of a D022 Phase in Ni–Cr–Mo–W–Ti Alloys	Verma A., Singh J.B.	Engineering Sciences	Metallurgical and Materials Transactions A: Physical Meta	2021	165	0
Recovery of Ductility in Ultrafine-Grained Low Carbon Steel Processed by Electropulsing	Bhuyan D., Pandey R.K., Ojha S.N., Sastry G.V.S., Choudhary H., Sharma A., Mans	Engineering Sciences	Metallurgical and Materials Transactions A: Physical Meta	2021	165	2
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., Dey G.K.	Engineering Sciences	Metallurgical and Materials Transactions A: Physical Meta	2021	165	0
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 Meta	2021	165	1
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 Metal	2021	96	4
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	47	1
Effect of Heat-Treatment on the Microstructure, Mechanical Properties and Corrosion Behaviour of SS 316 Structures Built by Laser Directed Energy Deposition Based Ad	Benarji K., Ravi Kumar Y., Jinoop A.N., Paul C.P., Bindra K.S.	Engineering Sciences;Physical Sci	Metals and Materials International	2021	47	22
Dual role of a dedicated GAPDH in the biosynthesis of volatile and non-volatile metabolites- novel insights into the regulation of secondary metabolism in Trichoderma vi	Bansal R., Pachauri S., Gururajaiah D., Sherkhane P.D., Khan Z., Gupta S., Banerje	Life Sciences	Microbiological Research	2021	94	3
Topoisomerase IB interacts with genome segregation proteins and is involved in multipartite genome maintenance in Deinococcus radiodurans	Kota S., Chaudhary R., Mishra S., Misra H.S.	Life Sciences	Microbiological Research	2021	94	0
Draft genome sequencing of pseudoalteromonas strain hkxpo56, a potent biofilm-forming bacterium isolated from early-stage marine biofilm	Rajeev M., Sushmitha T.J., Toleti S.R., Pandian S.K.	Life Sciences	Microbiology Resource Announcements	2021	38	0
Facile on-site quality monitoring of alcohol based hand sanitizers by phase separation and color development with butyl acetate-crystal violet mixture	Thangavel S., Durgaprasad A., Dash K., Kumar S.	Chemical Sciences	Microchemical Journal	2021	90	0
Novel ionic reverse mixed micelle supramolecules in dispersive liquid-liquid microextraction for the successive/individual sensitive speciation analysis of iron in natural wa	Meeravali N.N., Madhavi K., Sahayam A.C.	Chemical Sciences	Microchemical Journal	2021	90	2
A novel non-ionic nanoaggregate sensitized salt induced cloud point extraction of anionic beryllium-chrome azurol S for spectrophotometric determination of beryllium i	Sai Krishna D., Meeravali N.N., Sahayam A.C.	Chemical Sciences	Microchemical Journal	2021	90	1
A systematic quartz extraction method for retrospective dosimetry and dating	Joshi S., Jakathamani S., Panda M., Annalakshmi O., Mathiyarasu R., Venkata Sri	Physical Sciences	Microchemical Journal	2021	90	0
Carboxylic acid-tethered polyaniline as a generic immobilization matrix for electrochemical bioassays	Chellappan K., Balagan A., Sawant S.N.	Chemical Sciences	Microchimica Acta	2021	94	1
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., Pujari P.K.	Chemical Sciences;Physical Scien	Microporous and Mesoporous Materials	2021	170	1
Underlying core-shell colloidal nanostructure for Beta zeolite membrane formation	Singh P.S., Aswal V.K., Schwieger W.	Physical Sciences	Microporous and Mesoporous Materials	2021	170	0
Unravelling the structural hierarchy in microemulsion droplet templated dendritic fibrous nano silica	Sen D., Maity A., Bahadur J., Das A., Polshettiwar V.	Physical Sciences	Microporous and Mesoporous Materials	2021	170	1
Insight to sorption mechanism employing nanocomposite: Case study of toxic species removal	Ramkumar J., Majeed J., Chandramouleeswaran S.	Chemical Sciences	Microporous and Mesoporous Materials	2021	170	0
Micropel-hydrogel composite photonic crystals to monitor and extract uranyl ions in aqueous solutions	Joshi R.G., Cocks A.C.F., Amesh P., Parida P.K., Ravindran T.R.	Physical Sciences	Microporous and Mesoporous Materials	2021	170	0
Removal of Cs+ and Sr2+ ions from simulated radioactive waste solutions using Zeolite-A synthesized from kaolin and their structural stability at high pressures	Mahima Kumar M., Irshad K.A., Jena H.	Chemical Sciences	Microporous and Mesoporous Materials	2021	170	12
Study on the dissolution of β-precipitates in the Zr-1Nb alloy under the influence of Ne ion irradiation	Goel L., Mir A.H., Naveen Kumar N., Satyam P.V., Hinks J.A., Donelly S.E., Tewari	Engineering Sciences;Physical Sci	Microscopy	2021	122	1
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	72	0
Effect of electrolytic composition on current efficiency and alloy composition in electrowinning of Pr-Mg alloys using chloride electrolyte	Sahoo D.K., Anitha M., Singh D.K., Kain V.	Chemical Sciences;Engineering Sc	Mineral Processing and Extractive Metallurgy: Transaction	2021	29	0
Structural characterisation of lateritic nickel ore of Indian origin	Mondal S., Sinha A., Sreenivas T., Kain V.	Chemical Sciences;Engineering Sc	Mineral Processing and Extractive Metallurgy: Transaction	2021	29	0
Comparison of SIA defect morphologies from different interatomic potentials for collision cascades in W	Bhardwaj U., Sand A.E., Warrier M.	Physical Sciences	Modelling and Simulation in Materials Science and Enginee	2021	84	1
New developments in existing WHO entities and evolving molecular concepts: The Genitourinary Pathology Society (GUPS) update on renal neoplasia	Trpkov K., Hes O., Williamson S.R., Adeniran A.J., Agaimy A., Alaghehbandan R.,	Medical and Health Sciences	Modern Pathology	2021	159	54
Novel, emerging and provisional renal entities: The Genitourinary Pathology Society (GUPS) update on renal neoplasia	Trpkov K., Williamson S.R., Gill A.J., Adeniran A.J., Agaimy A., Alaghehbandan R.,	Medical and Health Sciences	Modern Pathology	2021	159	61
Greenberger-Horne-Zeilinger states: Their identifications and robust violations	Fan X.-Y., Zhou J., Meng H.-X., Wu C., Pati A.K., Chen J.-L.	Physical Sciences	Modern Physics Letters A	2021	82	1
Confinement-deconfinement transition and Z2symmetry in 2Z+ Higgs theory	Biswal M., Digal S., Mannale V., Shaikh S.	Physical Sciences	Modern Physics Letters A	2021	82	1
The violation of equivalence principle and four neutrino oscillations for long baseline neutrinos	Pandey M., Majumdar D., Banik A.D., Halder A.	Physical Sciences	Modern Physics Letters A	2021	82	0
Review of low energy nuclear astrophysics	Kisslinger L.S., Das D.	Physical Sciences	Modern Physics Letters A	2021	82	0
An overview of the fatty acid biosynthesis in the protozoan parasite Leishmania and its relevance as a drug target against leishmaniasis	Arya R., Dhembla C., Makde R.D., Sundd M., Kundu S.	Life Sciences	Molecular and Biochemical Parasitology	2021	115	2
Robust antitumor activity and low cytokine production by novel humanized Anti-CD19 CAR T cells	Dwivedi A., Karulkar A., Ghosh S., Srinivasan S., Kumbhar B.V., Jaiswal A.K., Kizha	Medical and Health Sciences	Molecular Cancer Therapeutics	2021	182	4
Adsorption and activation of CO2 molecule on subnanometer-sized anionic vanadium carbide clusters VnC4− (n = 1–6): A theoretical study	Megha, Banerjee A., Ghanty T.K.	Chemical Sciences;Physical Scien	Molecular Catalysis	2021	166	0
Chiral salen - Ni (II) based spherical porous silica as platform for asymmetric transfer hydrogenation reaction and synthesis of potent drug intermediate montekulast	Shukla M., Barick K.C., Salunke H.G., Chandra S.	Chemical Sciences;Physical Scien	Molecular Catalysis	2021	166	3
Identification of tyrosine kinase inhibitors from Panax bipinnatifidus and Panax pseudoginseng for RTK—HER2 and VEGFR2 receptors, by in silico approach	Paul D., Mahanta S., Tag H., Das S.K., Das Gupta D., Tanti B., Ananthan R., Das R	Life Sciences	Molecular Diversity	2021	58	2
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	138	0
Excited-state intramolecular proton transfer: A short introductory review	Joshi H.C., Antonov L.	Physical Sciences	Molecules	2021	171	27
Translation and modulation invariant Hilbert spaces	Tofi J., Gumber A., Mandes A., Ratnakumar P.K.	Mathematical Sciences	Monatshefte fur Mathematik	2021	35	0
Convex X-ray spectra of PKS 2155-304 and constraints on the minimum electron energy	Jagan S.K., Sahayanathan S., Rieger F.M., Ravikumar C.D.	Physical Sciences	Monthly Notices of the Royal Astronomical Society	2021	340	0
Unveiling the broad-band spectral and temporal properties of PKS 0903-57 during its brightest flare	Shah Z., Jithesh V., Sahayanathan S., Iqbal N.	Physical Sciences	Monthly Notices of the Royal Astronomical Society	2021	340	1
Correlation between optical and γ-ray flux variations in BL Lacs	Rajput B., Shah Z., Stalin C.S., Sahayanathan S., Rakshit S.	Physical Sciences	Monthly Notices of the Royal Astronomical Society	2021	340	0
Effects of dark matter on the in-spiral properties of the binary neutron stars	Das H.C., Kumar A., Patra S.K., Das H.C.	Physical Sciences	Monthly Notices of the Royal Astronomical Society	2021	340	9
A comprehensive study of the 2019–2020 flare of DI 287 using AstroSat, Swift and NuSTAR	Prince R., Ramar A., Chitnis V., Agarwal A., Varun, Gupta N., Czerny B., Majum	Physical Sciences	Monthly Notices of the Royal Astronomical Society	2021	340	2
First detection of VHE gamma-ray emission from TXS 1515-273, study of its X-ray variability and spectral energy distribution	Acciari V.A., Ansoldi S., Antonelli L.A., Engels A.A., Artero M., Asano K., Baack D.	Physical Sciences	Monthly Notices of the Royal Astronomical Society	2021	340	0
Multiwavelength variability and correlation studies of Mrk 421 during historically low X-ray and γ-ray activity in 2015-2016	Acciari V.A., Ansoldi S., Antonelli L.A., Asano K., Babić A., Banerjee B., Baquero A	Physical Sciences	Monthly Notices of the Royal Astronomical Society	2021	340	7
Probing the star formation origin of gamma-rays from 3FHL J1907.0+0713	Ergin T., Saha L., Bhattacharjee P., Sano H., Tanaka S.J., Majumdar P., Yamazaki	Physical Sciences	Monthly Notices of the Royal Astronomical Society	2021	340	1
Multiwavelength analysis of low surface brightness galaxies to study possible dark matter signature	Bhattacharjee P., Majumdar P., Das M., Das S., Joarder P.S., Biswas S.	Physical Sciences	Monthly Notices of the Royal Astronomical Society	2021	340	5
Addressing γ-ray emissions from dark matter annihilations in M31 Milky Way satellite galaxies and in extragalactic sources with particle dark matter models	Halder A., Banerjee S., Pandey M., Majumdar D.	Physical Sciences	Monthly Notices of the Royal Astronomical Society	2021	340	3
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., Babic A., Banerjee B., Bar	Physical Sciences	Monthly Notices of the Royal Astronomical Society	2021	340	3
Evidence for profile changes in PSR J1713+0747 using the uGMRT	Singha J., Surnis M.P., Joshi B.C., Tarafdar P., Rana P., Susobhanan A., Girgaonka	Physical Sciences	Monthly Notices of the Royal Astronomical Society: Letter	2021	105	1
Uniportal VATS left lower lobectomy: Fissure first technique	Gopinath S.K., Karimundackal G., Niyogi D., Tiwari V.K., Jiwnani S., Pramesh C.S.	Medical and Health Sciences	Multimedia manual of cardiothoracic surgery : MMCTS	2021	10	0
Video-assisted mediastinoscopic lymphadenectomy (VAMLA): A video vignette	Nadkarni S., Karimundackal G., Jiwnani S., Tiwari V.K., Niyogi D., Pramesh C.S.	Medical and Health Sciences	Multimedia manual of cardiothoracic surgery : MMCTS	2021	10	0
Dynamics of disturbance waves in an adiabatic coaxial gas-liquid annular flow	Mohapatra D.K., Camp P.J., Phillips J.	Engineering Sciences	Multiphase Science and Technology	2021	24	0
Establishment and multiparametric-cytogenetic validation of 60Co-gamma-ray induced, phospho-gamma-H2AX calibration curve for rapid biodosimetry and triage mana	Chaurasia R.K., Bhat N.N., Gaur N., Shirsath K.B., Desai U.N., Sapra B.K.	Physical Sciences	Mutation Research - Genetic Toxicology and Environmenta	2021	116	5
Translocation dose-response curve for 137Cs γ-rays: Dose validation at various dose rate and changing dose rate conditions	Amula S., Rao T.S., B V., Kumar A A.A.	Chemical Sciences	Mutation Research - Genetic Toxicology and Environmenta	2021	116	0
Nanoscale Domain Wall Engineered Spin-Triplet Josephson Junctions and SQUID	Bhatia E., Srivastava A., Devine-Stoneman J., Stelmashenko N.A., Barber Z.H., Ro	Physical Sciences	Nano Letters	2021	511	5
Pool boiling amelioration by aqueous dispersion of silica nanoparticles	Mukherjee S., Ali A., Aljuwayhel N.F., Mishra P.C., Sen S., Chaudhuri P.	Engineering Sciences	Nanomaterials	2021	80	4
Distinct stratification of normal liver, hepatocellular carcinoma (HCC), and anticancer nanomedicine-treated- tumor tissues by Raman fingerprinting for HCC therapeutic	Poojari R., Bhujbal M., Hole A., Murali Krishna C.	Life Sciences	Nanomedicine: Nanotechnology, Biology, and Medicine	2021	133	1
Raman micro-spectroscopic map estimating in vivo precision of tumor ablative effect achieved by photothermal therapy procedure	Mishra S.K., Hole A., Reddy B.P.K., Srivastava R., Chilakapati M.K., De A.	Life Sciences	Nanomedicine: Nanotechnology, Biology, and Medicine	2021	133	0
Colloidal Ba2Yr3chalcogenide perovskite nanocrystals for thin film device fabrication	Ravi V.K., Yu S.H., Rajput P.K., Nayak C., Bhattacharyya D., Chung D.S., Nag A.	Physical Sciences	Nanoscale	2021	244	17
Simultaneous observation of anti-damping and the inverse spin Hall effect in the La0.67Sr0.33MnO3/Pt bilayer system	Gupta P., Singh B.B., Roy K., Sarkar A., Waschk M., Brueckel T., Bedanta S.	Physical Sciences	Nanoscale	2021	244	3
Ultrasound augments on-demand breast tumor radiosensitization and apoptosis through a tri-responsive combinatorial delivery theranostic platform	Bhardwaj P., Goda J.S., Pai V., Chaudhari P., Mohanty B., Pai T., Vishwakarma K.	Medical and Health Sciences	Nanoscale	2021	176	1
Influence of size dispersibility on magnetic field tunable structures in magnetic nanofluids containing superparamagnetic nanoparticles	Mohapatra D.K., Camp P.J.	Physical Sciences	Nanoscale Advances	2021	33	6
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., Choudhury B.	Physical Sciences	Nanoscale Advances	2021	33	1
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	211	0
Fabrication of TiO2-based broadband single-layer anti-reflection coating by collimated glancing angle deposition technique	De R., Haque S.M., Sikdar M.K., Sahoo P.K., Rao K.D.	Physical Sciences	Nanotechnology	2021	211	3
Excitonic properties of layer-by-layer CVD grown ZnO hexagonal microdisks	Sikdar M.K., Sarangi B., Sahoo P.K.	Physical Sciences	Nanotechnology	2021	211	2
Enhanced exciton polarization in the energy, Zeeman splitting and spin dynamics in hybrid layered nanosheets comprised of (Cd, Mn)Se and nitrogen-doped graphene oxide: Imp	Tofi I., Gumber A., Suffczyński J., Pacuski W., Varadwaj K.S.K., Satpati B., Rath S	Physical Sciences	Nanotechnology	2021	211	0
Reprogramming of microRNA expression via E2F1 downregulation promotes Salmonella infection both in infected and bystander cells	Aguilar C., Costa S., Maudet C., Vivek-Ananth R.P., Zaldívar-López S., Garrido J.J.	Life Sciences	Nature Communications	2021	410	3
Synchrotron based TXRF for assessment of treated wastewater	Garg V.K., Srivastav A.L., Tiwari M.K., Sharma A., Kanwar V.S.	Physical Sciences	Nature Environment and Pollution Technology	2021	13	0
Adduct-based p-doping of organic semiconductors	Sakai N., Warren R., Zhang F., Nayak S., Liu J., Kesava S.V., Lin Y.-H., Biswal H.S.,	Chemical Sciences	Nature Materials	2021	507	13
Risk-based oral cancer screening — lessons to be learnt	D'Cruz A.K., Vaish R.	Medical and Health Sciences	Nature Reviews Clinical Oncology	2021	176	1
A simple differential geometry for complex networks	Saucan E., Samal A., Jost J.	Life Sciences	Network Science	2021	17

An anionic and cationic surfactant-assisted hydrothermal synthesis of cobalt oxide nanoparticles as the active electrode material for supercapacitors	Samal R.R., Samantara A.K., Mahalik S., Behera J.N., Dash B., Sanjay K.	Chemical Sciences	New Journal of Chemistry	2021	126	3
Tetrakis-(-N -methyl-4-pyridinium)-porphyrin as a diamagnetic chemical exchange saturation transfer (diaCEST) MRI contrast agent	Chakraborty S., Das M., Srinivasan A., Ghosh A.	Chemical Sciences	New Journal of Chemistry	2021	126	3
Rapid gram-scale synthesis of Au/chitosan nanoparticles catalysts using solid mortar grinding	Reddy K.P., Meerakrishna R.S., Shanmugam P., Satpati B., Murugadoss A.	Physical Sciences	New Journal of Chemistry	2021	126	1
Inhibition of spread of typical bipartite and genuine multiparty entanglement in response to disorder	Biswas G., Biswas A., Sen U.	Physical Sciences	New Journal of Physics	2021	180	0
Quantum walks in polycyclic aromatic hydrocarbons	Chawla P., Chandrashekar C.M.	Physical Sciences	New Journal of Physics	2021	180	0
Elementary excitations in fractional quantum Hall effect from classical constraints	Yang B., Balram A.C.	Physical Sciences	New Journal of Physics	2021	180	7
Improving the applicability of the Pauli kinetic energy density based semilocal functional for solids	Jana S., Behera S.K., Ã£miga S., Constantin L.A., Samal P.	Physical Sciences	New Journal of Physics	2021	180	4
Characterisation of hydrogen assisted cracking in modified 9Cr-1Mo steel welds using acoustic emission non destructive technique	Haneef T.K., Chakraborty G., Rejeesh R., Mukhopadhyay C.K., Albert S.K.	Engineering Sciences	Nondestructive Testing and Evaluation	2021	32	0
Accelerated magnetosonic lump wave solutions by orbiting charged space debris	Acharya S.P., Mukherjee A., Janaki M.S.	Physical Sciences	Nonlinear Dynamics	2021	127	3
High spin mixing conductance and spin interface transparency at the interface of a Co2Fe0.4Mn0.6Si Heusler alloy and Pt	Singh B.B., Roy K., Gupta P., Seki T., Takanashi K., Bedanta S.	Physical Sciences	NPG Asia Materials	2021	88	8
The tale of TILs in breast cancer: A report from The International Immuno-Oncology Biomarker Working Group	El Bairi K., Haynes H.R., Blackley E., Fineberg S., Shear J., Turner S., de Freitas J.R.	Medical and Health Sciences	npj Breast Cancer	2021	30	13
Nematic fluctuations in iron-oxychalcogenide Mott insulators	Freelon B., Sarkar R., Kamusella S., Brückner F., Grinenko V., Acharya S., Laad M.	Physical Sciences	npj Quantum Materials	2021	39	2
Nuclear Data Sheets for A=219	Singh B., Mukherjee G., Basu S.K., Bhattacharya S., Bhattacharya S., Chakraborti.	Physical Sciences	Nuclear Data Sheets	2021	62	2
Development of a Reference Database for Beta-Delayed Neutron Emission	Dimitriou P., Dillmann I., Singh B., Piksaikin V., Rykaczewski K.P., Tain J.L., Algora	Physical Sciences	Nuclear Data Sheets	2021	62	5
Experimental study on thermally assisted sagging deflection and interaction of multiple coolant channels	Singh A.R., Tariq A., Majumdar P., Mukhopadhyay D.	Engineering Sciences	Nuclear Engineering and Design	2021	108	2
Experimental investigation of quenching of a single wetted fuel pin and 27 MWe IPHWR	Dutt N., Kumar Sahoo P., Gokhale O.S., Mukhopadhyay D.	Engineering Sciences	Nuclear Engineering and Design	2021	108	0
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	108	1
An innovative scheme to conserve natural Uranium in Indian Pressurized Heavy Water Reactors	Bansal R.K., Thakur A., Tejram, Singh R.K., Sharma H.S., Kannan U.	Physical Sciences	Nuclear Engineering and Design	2021	108	0
A comparative study of reactivity feedbacks including in-pin motion and their impact on UTOPA in a 600 MW fast reactor	Sathiyasheela T., John R., Dubey A., Devan K.	Physical Sciences	Nuclear Engineering and Design	2021	108	0
Hydrogen sensors for comprehensive detection of steam leak in sodium-cooled fast reactors	Shyamkumar S., Prabhu E., Ghosh S., Premalatha S., Lakshmigandhan I., Mutha	Chemical Sciences	Nuclear Engineering and Design	2021	108	0
Simulation of delayed neutron precursor release due to wet rupture in a fuel pin and its detection methodology in PFBR	Bachchan A., Devan K., Yermamya K., Alagan M., Natesan K., Naga Sivaya D., M	Physical Sciences	Nuclear Engineering and Design	2021	108	0
Irradiation behaviour of ferroboron – An alternate in-core shielding material for sodium-cooled fast reactors	Jayaraj V.V., Padmapraba C., Ojha B.K., Dash B.S., Padalakshmi M., Anandaraj V.	Engineering Sciences;Physical Sci	Nuclear Engineering and Design	2021	108	0
Evaluation of correlations for prediction of onset of heat transfer deterioration for vertically upward flow of supercritical water in pipe	Sahu S., Vaidya A.M.	Engineering Sciences	Nuclear Engineering and Technology	2021	46	1
Characterization and thermophysical properties of Zr0.8Nd0.2O1.9–MgO composite	Nandi C., Kaity S., Jain D., Grover V., Prakash A., Behere P.G.	Chemical Sciences	Nuclear Engineering and Technology	2021	46	1
Experimental investigations and development of mathematical model to estimate drop diameter and jet length	Roy A., Suneel G., Gayen J.K., Ravi K.V., Grover R.B.	Engineering Sciences	Nuclear Engineering and Technology	2021	46	0
Studies on the near-surface trapping of deuterium in implantation experiments	Maya P.N., Mukherjee S., Sharma P., Karki V., Singh M., Satyaprasad A., Kumar R	Engineering Sciences;Engineering Sc	Nuclear Fusion	2021	125	1
Gas-puff induced cold pulse propagation in ADITYA-U tokamak	Macwan T., Raj H., Singh K., Dolui S., Patel S., Kumar A., Gautam P., Ghosh J., Ta	Engineering Sciences;Physical Sci	Nuclear Fusion	2021	125	1
Finite electron temperature gradient effects on blob formation in the scrape-off layer of a tokamak plasma	Shankar V., Bisai N., Raj S., Sen A.	Physical Sciences	Nuclear Fusion	2021	125	2
Runaway electron mitigation with supersonic molecular beam injection (SMBI) in ADITYA-U tokamak	Banerjee S., Singh K., Raj H., Arambhadiya B., George S., Jadeja K.A., Singh A.K.,	Physical Sciences	Nuclear Fusion	2021	125	2
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, Se	2021	170	0
Standardization and validation of kD-based Neutron Activation Analysis using Apsara-U reactor and its application to pure iron metal and coal sample for trace element d	Samanta S.K., Sengupta A., Acharyya R., Pujari P.K.	Chemical Sciences	Nuclear Instruments and Methods in Physics Research, Se	2021	170	1
Design, fabrication and relative bunch length measurement of S-band pre-buncher	Mondal J., Mishra L., Sarkar S., Manjunatha H.K., Chandan S., Bakhtsingh R.I., Sh	Engineering Sciences	Nuclear Instruments and Methods in Physics Research, Se	2021	170	0
Intercomparison studies of Instrumental Neutron Activation Analysis using singles and gamma–gamma coincidence spectrometry for trace element determination in soil	Samanta S.K., Nag T.N., Sharma V., Tripathi R., Acharya R., Pujari P.K.	Chemical Sciences	Nuclear Instruments and Methods in Physics Research, Se	2021	170	1
Active single-shot interrogation of natural uranium in industrial radioactive waste using plasma focus device	Andola S.C., Niranjan R., Srivastava R., Vidyasagar D., Singh A.P., Lakshmi Y.V.S.	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Se	2021	170	1
Measurement of cosmic-ray muon flux in the underground laboratory at UCIL, India, using plastic scintillators and SiPM	Sharan M.K., Singaraju R.N., Sinha T., Ghosh T., Jha V.N.	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Se	2021	170	3
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, Se	2021	170	4
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, Choudhary R.J., Jha S.N.	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Se	2021	170	0
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, Se	2021	170	0
The IR-FEL facility at RRCAT: Commissioning experiments and first saturation of lasing at 28μm wavelength	Chandran S., Biswas B., Kumar A., Saini R.S., Lal S., Nerpagar P., Pandit R.K., Gup	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Se	2021	170	0
Numerical studies on RF tuning of an RFQ in a simulation environment using a tuning program	Gaur R., Kumar V.	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Se	2021	170	1
NeuLAND: The high-resolution neutron time-of-flight spectrometer for R3B at FAIR	Boretzky K., Galiponi I., Heil M., Mayer J., Heinz A., Caesar C., Kresan D., Simon	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Se	2021	170	2
FPGA-based multi-channel data acquisition system for Superheated Emulsion Detectors	Sahoo S., Chaddha N., Sahoo S., Biswas N., Roy A., Das M., Pal S.	Engineering Sciences;Physical Sci	Nuclear Instruments and Methods in Physics Research, Se	2021	170	1
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, Se	2021	170	0
Energy response and fast timing characteristics of 1.5" x 1.5" CeBr3 scintillator	Bhattacharya S., Das S., Bhattacharyya S., Banik R., Dar S., Pandit D., Choudhury	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Se	2021	170	0
Evaluation of inhibition effect of poly vinyl pyrrolidone on corrosion of bronze in simulated acid rain using thin layer activation technique	Biswal J., Patil H.J., Sharma V.K., Sharma S.C., Gupta A.K.	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Se	2021	170	1
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, Se	2021	170	0
Application of microdosimetric concepts in CaCO3:Ce3+/Dy3+ for megalevel radiation dosimetry	Lakshmanan A., Nandhagopal J., Sanyal B., Dhabekar B.	Life Sciences;Physical Sciences	Nuclear Instruments and Methods in Physics Research, Se	2021	170	1
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., Bhattacharya D., Kaush	Chemical Sciences;Physical Scien	Nuclear Instruments and Methods in Physics Research, Se	2021	170	2
Positron annihilation studies on N+ implantation induced vacancy type defects and its recovery in Si: 6H- SiC	Kamalakkannan K., Lakshmanan C., Rajaraman R., Sundaravel B., Amarendra G.,	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Se	2021	170	0
RFID chip card modules from employee identity cards as OSL based retrospective dosimeters	Jakathamani S., Annalakshmi O., Mathiyarasu R., Jose M.T., Venkatraman B.	Physical Sciences	Nuclear Instruments and Methods in Physics Research, Se	2021	170	1
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	90	2
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., Mirapurkar S., Muralidharan S.	Life Sciences	Nuclear Medicine and Biology	2021	90	3
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 M., Kapoor R., Vatsa R.	Chemical Sciences	Nuclear Medicine Communications	2021	75	1
Prospective evaluation of organ-specific dose and lesional doses following therapeutic [177Lu]Lu-EDTMP administration in patients with multiple skeletal metastases and	Deep K., Thapa P., Wanage G., Tervankar S., Kaisar S., Ranade R., Basu S., Das T.	Chemical Sciences	Nuclear Medicine Communications	2021	75	0
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 me	Adnan A., Basu S.	Medical and Health Sciences	Nuclear Medicine Communications	2021	75	0
Analysis of absorbed dose in radioimmunotherapy with 177Lu-trastuzumab using two different imaging scenarios: a pilot study	Nautiyal A., Jha A.K., Mithun S., Shetye B., Kameswaran M., Shah S., Rangarajan	Medical and Health Sciences	Nuclear Medicine communications	2021	75	0
Prognostic significance of 18F-FDG PET/CT parameters in IDH-1 wild-type GBM and correlation with molecular markers	Dev I.D., Puranik A.D., Purandare N.C., Gupta T., Sridhar E., Shetty P., Moiyadi A.	Medical and Health Sciences	Nuclear medicine communications	2021	75	0
Emerging role of artificial intelligence in nuclear medicine	Jha A.K., Mithun S., Rangarajan V., Wee L., Dekker A.	Medical and Health Sciences	Nuclear Medicine Communications	2021	75	2
Improving accuracy of 18F-fluorodeoxyglucose PET computed tomography to diagnose nodal involvement in non-small cell lung cancer: Utility of using various predictive	Mathew B., Purandare N.C., Pramesh C.S., Karimundackal G., Jiwani S., Agrawa	Medical and Health Sciences	Nuclear Medicine Communications	2021	75	1
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., Kulkarni S., Mohite A.,	Medical and Health Sciences	Nuclear Medicine Communications	2021	75	3
Direct 16O-cluster knockout from 24Mg(e,)	Joshi B.N., Jain A.K., Biswas D.C., John B.V., Gupta Y.K., Danu L.S., Vind R.P., Pra	Physical Sciences	Nuclear Physics A	2021	167	0
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 faci	Raja S.W., Dey Chaudhuri S., Banerjee D., Acharya R., Pujari P.K.	Chemical Sciences	Nuclear Physics A	2021	167	0
Bottomonia production in p + p collisions under NRQCD formalism	Kumar V., Saha K., Shukla P., Bhattacharyya A.	Physical Sciences	Nuclear Physics A	2021	167	0
Effect of inner crust EoS on neutron star properties	Rather I.A., Usmani A.A., Patra S.K.	Physical Sciences	Nuclear Physics A	2021	167	6
Chirality transfer and chiral turbulence in gauge theories	Mace M., Mueller N., Schlichting S., Sharma S.	Physical Sciences	Nuclear Physics A	2021	167	0
Thermal impacts on the properties of nuclear matter and young neutron star	Kumar A., Das H.C., Bhuyan M., Patra S.K.	Physical Sciences	Nuclear Physics A	2021	167	1
Perspectives in small systems: Heavy quarks and HBT radii	Das D.	Physical Sciences	Nuclear Physics A	2021	167	1
Decay spectroscopy of 117,118Sn	Das S., Adhikari A., Alam S.S., Sharma S., Aich S., Gupta A., Sapkota Y., Das A., Sa	Physical Sciences	Nuclear Physics A	2021	167	0
pT dependence of the correlation between initial spatial anisotropy and final momentum anisotropies in relativistic heavy ion collisions	Thakur S., Saha S.K., Dasgupta P., Chatterjee R., Chattopadhyay S.	Physical Sciences	Nuclear Physics A	2021	167	1
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., Prasad S.K.	Physical Sciences	Nuclear Physics A	2021	167	0
τ(E2)/ decomposition of dimeric nature of some BKM Lie superalgebras	Govindarajan S., Shabbir M., Viswanath S.	Mathematical Sciences	Nuclear Physics B	2021	258	0
Methods for a blind analysis of isobar data collected by the STAR collaboration	Adam J., Adamczyk L., Adams J.R., Adkins J.K., Agakishiev G., Aggarwal M.M., Ah	Physical Sciences	Nuclear Science and Techniques	2021	25	9
Numerical simulations of jacket side thermal-hydraulic performance for large stirred vessels	Kumar A., Joshi J.B., Vitankar V.	Engineering Sciences	Numerical Heat Transfer; Part A: Applications	2021	75	0
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 N.A., Karkera P.H., Prasa	Medical and Health Sciences	Nutrition	2021	143	3
Role of dna damage and mmp loss in radiosensitization-induced apoptosis by ellagic acid in hela cells	Ahire V.R., Kumar A., Bhosle S., Mishra K.P.	Life Sciences	OBM Genetics	2021	1	0
First report of Protoperidinium steinii (Dinophyceae) bloom from the coastal marine ecosystem – an observation from tropical Indian waters	Sathishkumar P., Sahu G., Mohanty A.K., Arunachalam K.D., Venkatesan R.	Physical Sciences	Oceanologia	2021	45	1
Clinical Management of Liver Cancer in India and Other Developing Nations: A Focus on Radiation Based Strategies	Subramanian S., Mallia M.B., Shinto A.S., Mathew A.S.	Chemical Sciences	Oncology and Therapy	2021	2	0
Molecular characterization of lung squamous cell carcinoma tumors reveals therapeutically relevant alterations	Joshi A., Mishra R., Desai S., Chandrani P., Kore H., Sunder R., Hait S., Iyer P., Tri	Life Sciences;Medical and Health	Oncotarget	2021	148	5
Design and development of tilted fiber Bragg grating (TFBG) chemical sensor with regression analysis of grating parameters for sensitivity optimization	Singh Y., Raghuwanshi S.K., Prakash O., Saini P.K.	Physical Sciences	Optical and Quantum Electronics	2021	62	0
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 R., Prakash O.	Physical Sciences	Optical and Quantum Electronics	2021	62	1
Bulk crystal growth, crystalline perfection and optical homogeneity of ZAPAN single crystals for second and third order frequency conversion and terahertz (THz) device	Karuppasamy P., Kamalesh T., Senthil Pandian M., Ramasamy P., Sunil J., Chauc	Physical Sciences	Optical Materials	2021	109	0
CW laser damage study in Ag/TiO2 bilayer thin films: Role of interfacially diffused plasmonic silver nanoparticles	Haque S.M., De R., Prathap C., Kumar S., Reddy G.L.N., Mishra S., Rao K.D.	Physical Sciences	Optical Materials	2021	109	1
Pressure-induced site swapping, luminescence quenching, and color tunability of Gd2Hf2O7:Eu3+ nanoparticles	Gupta S.K., Abdou H., Mao Y.	Chemical Sciences	Optical Materials	2021	109	1
Ellipsometric investigation of AlN thin films - Effect of temperature and doping with Ti,Cr	Panda P., Ramaseshan R., Tripura Sundari S.	Physical Sciences	Optical Materials	2021	109	1
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., Udupa D.V.	Physical Sciences	Optics and Laser Technology	2021	83	0
SLM operation of a high repetition rate BBO Optical Parametric Oscillator pumped by DPSSL at 355 nm	Rao C.S., Kumar S., Ray A.K.	Chemical Sciences	Optics and Laser Technology	2021	83	2
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 Sci	Optics and Laser Technology	2021	83	2
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 Sci	Optics and Laser Technology	2021	83	4
Interaction between single frequency two photon and one photon transitions in a V system	Shukla V., Naik V., Chakrabarti A., Ray A.	Physical Sciences	Optics Communications	2021	139	1
Geometric representation of adiabatic distributed-bragg-reflectors and broadening the photonic bandgap	Sharma S., Mondal A., Das R.	Physical Sciences	Optics Express	2021	281	1
Infrared rainbow trapping via optical Tamm modes in an one-dimensional dielectric chirped photonic crystals	Sharma S., Mondal A., Das R.	Physical Sciences	Optics Letters	2021	277	2
Efficient coupling of picosecond laser pulses with [CC4]n clusters: Linear vs circular polarization	Sharma P., Das S.	Chemical Sciences	Optik	2021	79	1
Instantaneous frequency extraction of highly nonstationary optical interferometric signal using Reassigned Smoothed Pseudo Wigner Ville Distribution	Sur A., Joshi K.D., Sharma A., Kaushik T.C.	Engineering Sciences;Physical Sci	Optik	2021	79	1
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	79	2
Preparation and luminescence properties of Dy3+ doped BaAlBO3F2 glass ceramic phosphor for solid state white LEDs	Muralimanohar P., Srilatha G., Sathyamoorthy K., Vinothkumar P., Mohapatra M	Chemical Sciences	Optik	2021	79	4
Study of melt pool geometry and solidification microstructure during laser surface melting of Inconel 625 alloy	Chauvaja J., Jinoop A.N., P P., Paul C.P., Bindra K.S., Bontha S.	Engineering Sciences;Physical Sci	Optik	2021	79	0
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., Ramasamy P., Karnal A.K.	Physical Sciences	Optik	2021	79	0
Spatial distribution of structural and morphological features of few layered intercalated graphene	Chandra B., Francis M.K., Bhargav P.B., Ahmed N., Kesari S., Rao R., Antonysamy	Physical Sciences	Optoelectronics and Advanced Materials, Rapid Commun	2021	29	0
Weight loss and its impact on outcome in head and cancer patients during chemo-radiation	Singh G.K., Patil V.M., Noronha V., Joshi A., Menon N., Lashkar S.G., Mathrudev	Medical and Health Sciences	Oral Oncology	2021	121	0
Quality of life in patients with locally advanced head and neck cancer treated with concurrent chemoradiation with cisplatin and nimotuzumab versus cisplatin alone – Ad	Menon N., Patil V., Noronha V., Joshi A., Bhattacharjee A., Satam B.J., Mathrude	Medical and Health Sciences	Oral Oncology	2021	121	2
Identification of patients for a delayed extubation strategy versus elective tracheostomy for postoperative airway management in major oral cancer surgery: A prospecti	Myatra S.N., Gupta S., D'Cruz A.K., Rajanala V., Dhar H., Sharma S., Divatia J.V.	Medical and Health Sciences	Oral Oncology	2021	121	1
Importance and implications of neurovascular bundle involvement and other MRI findings of oral tongue squamous cell carcinoma (OTSCC) on prognosis	Shah S., Mahajan A., Thiagarajan S., Chidambaranathan N., Sutar M., Sable N., Ch	Medical and Health Sciences	Oral Oncology	2021	121	0
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., Prabhash K.	Medical and Health Sciences	Oral Surgery, Oral Medicine, Oral Pathology and Oral Radi	2021	126	1
Salivary duct carcinoma and small cell carcinoma ex-pleomorphic adenoma: A heretofore undescribed entity and the naming conundrum: MiNEN, combined, collision, or	Bal M.M., Hubale B., Janu A., Patil A.	Medical and Health Sciences	Oral Surgery, Oral Medicine, Oral Pathology and Oral Radi	2021	126	1
Osteonecrosis of the jaw associated with imatinib therapy in myeloproliferative neoplasm: a rare case report	Gupta L., Dholam K., Janghel Y., Gurav S.V.	Medical and Health Sciences	Oral Surgery, Oral Medicine, Oral Pathology and Oral Radi	2021	126	1
A BODIPY-O-glycoside based near-infrared fluorescent sensor for serum albumin	Shivran N., Koli M., Chakraborty G., Srivastava A.P., Chattopadhyay S., Mula S.	Chemical Sciences	Organic and Biomolecular Chemistry	2021	155	4
Pd-Catalyzed C(sp2)-H oleffination: Synthesis of: N -alkylated isoindolinone scaffolds from aryl amides of amino acid esters	Gupta M.K., Jena C.K., Sharma N.K.	Chemical Sciences	Organic and Biomolecular Chemistry	2021	155	1
Disulfide metathesis/sulfur–iodine interaction and photoswitchability	Mathuri A., Pramanik M., Parida A., Mal P.	Chemical Sciences	Organic and Biomolecular Chemistry	2021	155	0
Triflic acid-mediated N-heteroannulation of I2-anilino-I2-(methylthio)acrylonitriles: a facile synthesis of 4-amino-2-(methylthio)quinolines	Bandyopadhyay D., Thirupathi A., Radhakrishnan D., Panigrahi A., Perunceralat	Chemical Sciences	Organic and Biomolecular Chemistry	2021	155	0
Ruthenium(ii)-catalysed 1,2-selective hydroboration of aldazines	Pradhan S., Thiyagarajan S., Gunanathan C.	Chemical Sciences	Organic and Biomolecular Chemistry	2021	155	0
Palladium mediated one-pot synthesis of 3-aryl-cyclohexenones and 1,5-diketones from allyl alcohols and aryl ketones	Samuel S., Biswal P., Maher S., Venkatasubbaiah K.	Chemical Sciences	Organic and Biomolecular Chemistry	2021	155	2
Bismuth(iii)-catalyzed regioselective alkylation of tetrahydroquinolines and indolines towards the synthesis of bioactive core-biaryl oxindoles and CYP19 inhibitors	Prusty N., Kinthada L.K., Meena R., Chebolu R., Ravikumar P.C.	Chemical Sciences	Organic and Biomolecular Chemistry	2021	155	1
Synthesis and Photophysical Study of Heteropolycyclic and Carbazole Motif: Nickel-Catalyzed Chelate-Assisted Cascade C-H Activations/Annulations	Prusty N., Banjare S.K., Mohanty S.R., Nanda T., Yadav K., Ravikumar P.C.	Chemical Sciences	Organic Letters	2021	246	2
Chlorinative Cyclization of Aryl Alkynoates Using NCS and 9-Mesityl-10-methylacridinium Perchlorate Photocatalyst	Pramanik M., Mathuri A., Sau S., Das M., Mal P.	Chemical Sciences	Organic Letters	2021	246	3
3-D Cryptand like Normal and Doubly N-Confused Calixbenzopyrrhins: Synthesis and Structural Studies	Palepu N.R., Adinarayana B., Murugavel M., Garima K., Chitranshi S., Srinivasan	Chemical Sciences	Organic Letters	2021	246	1
Tracheostomy During the COVID-19 Pandemic: Comparison of International Perioperative Care Protocols and Practices in 26 Countries	Bier-Laning C., Cramer J.D., Roy S., Palmieri P.A., Amin A., Añon J.M., Bonilla-Asa	Medical and Health Sciences	Otolaryngology - Head and Neck Surgery (United States)	2021	128	28
Electron beam irradiation on monolayer plastic packaging films: Studies on physico-mechanical and thermal properties	Pramanik N.K., Katamgari I., Dey A., Bhardwaj Y.K., Alam T., Chattopadhyay S.K.,	Chemical Sciences	Packaging Technology and Science	2021	55	2
Improving the accuracy of charge size distribution measurement using electrical low pressure impactor	Mariam, Joshi M., Khan A., Sapra B.K.	Physical Sciences	Particulate Science and Technology	2021	38	0
A case of retroperitoneal tumor displaying epithelial differentiation, prominent myxoid stroma and loss of INI1/SMARCB1	Rekhi B., Thomas A.	Medical and Health Sciences	Pathologica	2021	20	0
Efficacy of ready-to-use therapeutic food in malnourished children with cancer: Results of a randomized, open-label phase 3 trial	Prasad M., Tandon S., Gala R., Kannan S., Chinnaswamy G., Narula G., Vora T., B	Medical and Health Sciences	Pediatric Blood and Cancer	2021	112	3
Adolescent–adult nonmetastatic Ewing sarcoma—Experience from a large developing country	Bajpai J., Pareek A., Chatuvedi S.	Medical and Health Sciences	Pediatric Blood and Cancer	2021	112	1
Safety and efficacy of concurrent carboplatin during full-dose craniospinal irradiation for high-risk/metastatic medulloblastoma in a resource-limited setting	Gupta T., Sinha S., Chinnaswamy G., Vora T., Prasad M., Bhat V., Goda J.S., Krish	Medical and Health Sciences	Pediatric Blood and Cancer	2021	112	0
Clinical outcomes and prognostic factors in children with B-cell lymphoblastic lymphoma (LBL) treated according to on modified BFM-90 protocol: Experience from a Tert	Vijayasekharan K., KC A., Prasad M., Dhamne C., Roy Moulik N., Shet T., Sridhar	Medical and Health Sciences	Pediatric Hematology and Oncology	2021	43	0
Building research capacity in India: The Masters in Clinical Research program at the Tata Memorial Centre	Gadgil D., Sengar M., Pramesh C., Badwe R., Ranganathan P.	Medical and Health Sciences	Perspectives in Clinical Research	2021	13	1
Understanding estimands	Gogtay N.J., Ranganathan P., Aggarwal R.	Medical and Health Sciences	Perspectives in Clinical Research	2021	13	0
Study designs: Part 9 - Meta-analysis (II)	Ranganathan P., Aggarwal R.	Medical and Health Sciences	Perspectives in Clinical Research	2021	13	0
Modelling kinetics of dynamic recrystallisation: introducing new characteristic parameters	Ahmedabadi P.M., Kain V.	Engineering Sciences	Philosophical Magazine	2021	94	0
Microstructural characterisation of 160 MeV oxygen irradiated niobium	Dutta A., Mukherjee P., Gayathri N., Dey S., Neogy S., Roy T.K.	Engineering Sciences;Physical Sci	Philosophical Magazine	2021	94	0
Effect of temperature on the evolution dynamics of voids in dynamic fracture of single crystal iron: a molecular dynamics study	Rawat S., Chaturvedi S.	Engineering Sciences	Philosophical Magazine	2021	94	3
Possibility of using ultraviolet radiation for disinfecting the novel COVID-19	Kumar A., Sagdeo A., Sagdeo P.R.	Physical Sciences	Photodiagnosis and Photodynamic Therapy	2021	53	9
Static and ultrafast optical response of two metal nanoparticles glued with a semiconductor quantum dot	Gurung S., Singh A., Khatua P.	Physical Sciences	Photonics and Nanostructures - Fundamentals and Applica	2021	43	1
Wave and particle properties can be spatially separated in a quantum entity	Chowdhury P., Pati A.K., Chen J.-L.	Physical Sciences	Photonics Research	2021	64	0
A+A→D'system in one dimension with particle motion determined by nearest neighbour distances: Results for parallel updates	Roy R., Sen P., Ray P.	Physical Sciences	Physica A: Statistical Mechanics and its Applications	2021	170	0
Is the essence of a quantum game captured completely in the original classical game?	Muhammed Jabir T., Vyas N., Benjamin C.	Physical Sciences	Physica A: Statistical Mechanics and its Applications	2021	170	0
Entanglement and quantum strategies reduce congestion costs in Pigou networks	Dudhe N., Benjamin C.	Physical Sciences	Physica A: Statistical Mechanics and its Applications	2021	170	0
Effect of metal atoms on the superconducting properties of decahydrides, MH10 (M = Ga, Nb & Mo)	Mishra A.K., Bhattacharjee P., Verma A.K.	Physical Sciences	Physica B: Condensed Matter	2021	117	0
Tuning photo-response and electronic behavior of graphene quantum dots synthesized via ion irradiation	Manna A.K., Gilbert S.J., Joshi S.R., Komesu T., Dowben P.A., Varma S.	Physical Sciences	Physica B: Condensed Matter	2021	117	4
Luminescent properties of CaSiO3: Ce3+- A preliminary study	Barve R.A., Panigrahi B.S., Suriyamurthy N., Venkatraman B.	Chemical Sciences	Physica B: Condensed Matter	2021	117	3
Tailoring the band gap of ZnO nanostructures using chromium	Mangamma G., Sairam T.N., Chitra M., Manikandan M.	Physical Sciences	Physica B: Condensed Matter	2021	117	0
Structural stability and anomalous compressibility of isoelectronic compounds- URh3 and UIr3	Shukla B., Shwetha G., Sanjay Kumar N.R., Chandra Shekar N.V.	Physical Sciences	Physica B: Condensed Matter	2021	117	1
Current–voltage characteristics of manganite based p–n interfaces: Role of

Can the microscopic and macroscopic transport phenomena in deep eutectic solvents be reconciled?	Srinivasan H., Sharma V.K., Mitra S.	Physical Sciences	Physical Chemistry Chemical Physics	2021	256	1
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., Felser C., Hoser A., Nath R.C.	Physical Sciences	Physical Chemistry Chemical Physics	2021	256	0
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., Aswal V.K., Mitchell-Koch K.	Physical Sciences	Physical Chemistry Chemical Physics	2021	256	1
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., Sudarshan K.	Chemical Sciences	Physical Chemistry Chemical Physics	2021	256	4
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., Bhattacharyya D., Acharya R	Chemical Sciences;Physical Scien	Physical Chemistry Chemical Physics	2021	256	1
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., Suglal G., Kaushik C.P.	Physical Sciences	Physical Chemistry Chemical Physics	2021	256	1
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	256	0
Polymer-mediated interaction between nanoparticles during hydration and dehydration: a small-angle X-ray scattering study	Bahadur J., Das A., Kumar S., Prakash J., Sen D., Aswal V.K.	Physical Sciences	Physical Chemistry Chemical Physics	2021	256	0
First principles investigations on the controversy of structural phase transitions in thorium dialuminide under pressure	Verma A.K., Modak P.	Physical Sciences	Physical Chemistry Chemical Physics	2021	256	0
Interaction between sodium dodecylsulfate (SDS) and pluronic L61 in aqueous medium: assessment of the nature and morphology of the formed mixed aggregates by NI	Prameela G.K.S., Phani Kumar B.V.N., Subramanian J., Tsuchiya K., Pan A., Aswa	Physical Sciences	Physical Chemistry Chemical Physics	2021	256	1
First-principles study of a 2-dimensional C-silicyne monolayer as a promising anode in Na/K ion secondary batteries	Yadav N., Chakraborty B., Dhillip Kumar T.J.	Physical Sciences	Physical Chemistry Chemical Physics	2021	256	3
Effect of counter-anions on the aggregation of Thioflavin-T	Desai A.M., Pandey S.P., Singh P.K.	Chemical Sciences	Physical Chemistry Chemical Physics	2021	256	1
Pressure induced topochemical polymerization of solid acrylamide facilitated by anisotropic response of the hydrogen bond network	Maity S., Gangan A.S., Anshu A., V. Valappil R.R., Chakraborty B., Ramaniah L.M.	Physical Sciences	Physical Chemistry Chemical Physics	2021	256	0
Role of free volumes and segmental dynamics on ion conductivity of PEO/LiTFSI solid polymer electrolytes filled with SiO2nanoparticles: a positron annihilation and broa	Utpalla P., Sharma S.K., Deshpande S.K., Bahadur J., Sen D., Sahu M., Pujari P.K.	Physical Sciences;Physical Scien	Physical Chemistry Chemical Physics	2021	256	3
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;Engineering Sc	Physical Chemistry Chemical Physics	2021	256	0
Insight into the charging-discharge of magnetite electrodes:in situXAS and DFT study	Nayak C., Abhirama N., Modak B., Halankar K., Jha S.N., Bhattacharyya D.	Physical Sciences	Physical Chemistry Chemical Physics	2021	256	1
Role of metcar on the adsorption and activation of carbon dioxide: a DFT study	Megha, Banerjee A., Ghanty T.K.	Chemical Sciences;Physical Scien	Physical Chemistry Chemical Physics	2021	256	3
Half metallicity and ferromagnetism of vanadium nitride nanoribbons: A first-principles study	Ghosh A., Kar M., Majumder C., Sarkar P.	Chemical Sciences	Physical Chemistry Chemical Physics	2021	256	3
Finding the catalytically active sites on the layered tri-chalcogenide compounds CoPS3and NiPS3for hydrogen evolution reaction	Alam K., Das T., Chakraborty S., Sen P.	Physical Sciences	Physical Chemistry Chemical Physics	2021	256	1
Effects of Pb assisted cation chemistry on the superconductivity of BSCCO thin films	V. G., Bera S., Amaladass E.P., Kumary T.G., Pandian R., Mani A.	Physical Sciences	Physical Chemistry Chemical Physics	2021	256	4
Nitrogen as a pnicogen?: evidence for n-hole driven noncovalent pnicogen bonding interactions in nitromethane-ammonia aggregates using matrix isolation infrared spectrosco	Chandrasekharaprasad B., Ramanathan N., Sundararajan K.	Chemical Sciences	Physical Chemistry Chemical Physics	2021	256	8
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	256	0
Quantification of the electric field inside protein active sites and fullerenes	Dhakad A., Jena S., Sahoo D.K., Biswal H.S.	Chemical Sciences	Physical Chemistry Chemical Physics	2021	256	0
Magnetism at the interface of non-magnetic Cu and C60	Sharangi P., Gargiani P., Valvidares M., Bedanta S.	Physical Sciences	Physical Chemistry Chemical Physics	2021	256	0
Effect of spin glass frustration on exchange bias in NiMn/CoFeB bilayers	Nayak S., Manna P.K., Singh B.B., Bedanta S.	Physical Sciences	Physical Chemistry Chemical Physics	2021	256	1
Thermodynamics of adsorption of alcohol dehydrogenase on the gold nanoparticle surface: A model based analysis versus direct measurement	Mishra A., Mishra K., Bose D., Chakrabarti A., Das P.K.	Life Sciences	Physical Chemistry Chemical Physics	2021	256	0
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., Bhattacharyya S.R.	Physical Sciences	Physical Chemistry Chemical Physics	2021	256	0
Structural, magnetic, and magnetocaloric properties of the multiferroic host double perovskite compound Pr2FeCrO6	Mazumdar D., Das I.	Physical Sciences	Physical Chemistry Chemical Physics	2021	256	3
Confined hydrogenlike ions in plasma environments	Mukherjee N., Patra C.N., Roy A.K.	Chemical Sciences	Physical Review A	2021	269	5
Measurement-based multipartite entanglement inflation	Halder P., Mal S., Sen A.	Physical Sciences	Physical Review A	2021	269	0
All entangled states are quantum coherent with locally distinguishable bases	Mekala A., Sen U.	Physical Sciences	Physical Review A	2021	269	0
Three qubits in less than three baths: Beyond two-body system-bath interactions in quantum refrigerators	Ghoshal A., Das S., Pal A.K., Sen A., Sen U.	Physical Sciences	Physical Review A	2021	269	2
Reverse quantum speed limit: How slowly a quantum battery can discharge	Mohan B., Pati A.K.	Physical Sciences	Physical Review A	2021	269	4
Efficient nonlinear witnessing of non-absolutely separable states with lossy detectors	Patra A., Mal S., Sen(de) A.	Physical Sciences	Physical Review A	2021	269	0
Local passivity and entanglement in shared quantum batteries	Sen K., Sen U.	Physical Sciences	Physical Review A	2021	269	3
Fast charging of a quantum battery assisted by noise	Ghosh S., Chanda T., Mal S., Sen(de) A.	Physical Sciences	Physical Review A	2021	269	6
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	269	0
Witnessing negative conditional entropy	Vempati M., Ganguly N., Chakrabarty I., Pati A.K.	Physical Sciences	Physical Review A	2021	269	3
Classical communication with indefinite causal order for N completely depolarizing channels	Sazim S., Sedlak M., Singh K., Pati A.K.	Physical Sciences	Physical Review A	2021	269	5
Characterizing the boundary of the set of absolutely separable states and their generation via noisy environments	Halder S., Mal S., Sen De A.	Physical Sciences	Physical Review A	2021	269	2
Quantum thermal transistors: Operation characteristics in steady state versus transient regimes	Ghosh R., Ghoshal A., Sen U.	Physical Sciences	Physical Review A	2021	269	3
Restrictions on shareability of classical correlations for random multipartite quantum states	Roy S., Mal S., Sen A.	Physical Sciences	Physical Review A	2021	269	0
Performance of dense coding and teleportation for random states: Augmentation via preprocessing	Gupta R., Gupta S., Mal S., Sen(de) A.	Physical Sciences	Physical Review A	2021	269	0
Detection loophole in measurement-device-independent entanglement witnesses	Sen K., Srivastava C., Mal S., Sen A., Sen U.	Physical Sciences	Physical Review A	2021	269	2
Sequential measurement-device-independent entanglement detection by multiple observers	Srivastava C., Mal S., Sen A., Sen U.	Physical Sciences	Physical Review A	2021	269	6
Impossibility of cloning of quantum coherence	Patel D., Patro S., Vanarasa C., Chakrabarty I., Pati A.K.	Physical Sciences	Physical Review A	2021	269	0
Resource theory of quantum coherence with probabilistically nondistinguishable pointers and corresponding wave-particle duality	Srivastava C., Das S., Sen U.	Physical Sciences	Physical Review A	2021	269	2
Delayed choice of paths in the quantum paradox of separating different properties of a photon	Das D., Sen U.	Physical Sciences	Physical Review A	2021	269	0
Quantum circuits for the realization of equivalent forms of one-dimensional discrete-time quantum walks on near-term quantum hardware	Singh S., Alderete C.H., Balu R., Monroe C., Linke N.M., Chandrashekar C.M.	Physical Sciences	Physical Review A	2021	269	1
Projective measurements under qubit quantum channels	Naikoo J., Banerjee S., Pan A.K., Ghosh S.	Physical Sciences	Physical Review A	2021	269	1
Information leak and incompatibility of physical context: A modified approach	Mitra A., Sharma G., Ghosh S.	Physical Sciences	Physical Review A	2021	269	0
Device-independent bounds from Cabello's nonlocality argument	Rai A., Pivoluska M., Plesch M., Sasmal S., Banik M., Ghosh S.	Physical Sciences	Physical Review A	2021	269	1
Hyperentanglement-enhanced quantum illumination	Prabhu A.V., Suri B., Chandrashekar C.M.	Physical Sciences	Physical Review A	2021	269	1
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	269	2
Order from chaos in quantum walks on cyclic graphs	Panda A., Benjamin C.	Physical Sciences	Physical Review A	2021	269	0
High Charge-Storage Performance of Morphologically Modified Anatase TiO2: Experimental and Theoretical Insight	Maharana B., Ratha S., Shajahan A.S., Chakraborty B., Jha R., Chatterjee S.	Physical Sciences	Physical Review Applied	2021	269	0
Optical modulation via coupling of distributed semiconductor heterojunctions in a Si-ITO-Based Subwavelength Grating	Rajput S., Kaushik V., Babu P., Tiwari P., Srivastava A.K., Kumar M.	Physical Sciences	Physical Review Applied	2021	269	6
Direct observation of Jahn-Teller critical dynamics at a charge-order Verwey transition	Pascotto Gastaldo V., Rao M.N., Bosak A., D'Astuto M., Prodi A., Verseils M., Kle	Physical Sciences	Physical Review B	2021	460	0
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., Yusuf S.M., Khuntia P., Sana	Physical Sciences	Physical Review B	2021	460	2
Prediction of an unusual trigonal phase of superconducting LaH10 stable at high pressures	Verma A.K., Modak P., Schrodi F., Aperis A., Oppeneer P.M.	Physical Sciences	Physical Review B	2021	460	2
Spin-liquid signatures in geometrically frustrated layered kagome compounds YBaCo4-xFex O7+δ	Hazra S., Bera A.K., Chatterjee S., Roy A., Yusuf S.M.	Physical Sciences	Physical Review B	2021	460	0
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 V.K., Yusuf S.M., Joy P.A.	Physical Sciences	Physical Review B	2021	460	1
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	460	4
Phonons and lithium diffusion in LiAlO2	Gupta M.K., Mittal R., Singh B., Delaire O., Achary S.N., Rols S., Tyagi A.K., Chaplo	Chemical Sciences;Physical Scien	Physical Review B	2021	460	1
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., Jha S.N., Choudhary	Physical Sciences	Physical Review B	2021	460	0
Polymorphism of praseodymium orthovanadate under high pressure	Marques-V.F., Errandonea D., Pellicer-Porres J., Santamaria-Perez D., Martinez-G	Physical Sciences	Physical Review B	2021	460	4
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 R., Le M.D., Bansal D.	Physical Sciences	Physical Review B	2021	460	0
Phonon-mode specific contributions to room-temperature superconductivity in atomic hydrogen at high pressures	Verma A.K., Modak P., Schrodi F., Aperis A., Oppeneer P.M.	Physical Sciences	Physical Review B	2021	460	6
Breaking of inversion symmetry in NdGa O3	De B.K., Dwij V., Gupta M.K., Mittal R., Bhatt H., Reddy V.R., Sathe V.G.	Physical Sciences	Physical Review B	2021	460	1
Development of semiempirical equation of state of binary functionally graded materials and its influence on generation of ramp compression: Comparison with bilayer ge	Ray A., Singla A.	Physical Sciences	Physical Review B	2021	460	3
High-pressure synthesis and thermodynamic stability of PdH11se up to 8 GPa HIGH-PRESSURE SYNTHESIS and THERMODYNAMIC ... ZACHARY M. GEBALLE et al.	Geballe Z.M., Somayazulu M., Armanet N., Mishra A.K., Ahart M., Hemley R.J.	Physical Sciences	Physical Review B	2021	460	2
Signatures of interfacial topological chiral modes via RKKY exchange interaction in Dirac and Weyl systems	Paul G.C., Islam S.K.F., Dutta P., Saha A.	Physical Sciences	Physical Review B	2021	460	2
Positive exchange bias and inverted hysteresis loop in Y3 Fe5 O12/ Gd3 Ga5 O12	Kumar R., Sarangi S.N., Samal D., Hossain Z.	Physical Sciences	Physical Review B	2021	460	4
Floquet second order topological superconductor based on unconventional pairing	Ghosh A.K., Nag T., Saha A.	Physical Sciences	Physical Review B	2021	460	12
Floquet generation of a second-order topological superconductor	Ghosh A.K., Nag T., Saha A.	Physical Sciences	Physical Review B	2021	460	20
Dynamics of magnetic collective modes in square- And triangular-lattice Mott insulators at finite temperature	Bhattacharyya S., Mahajan T., Majumdar P.	Physical Sciences	Physical Review B	2021	460	0
Dynamical phase transitions in the fully connected quantum Ising model: Time period and critical time	Sehrawat A., Srivastava C., Sen U.	Physical Sciences	Physical Review B	2021	460	2
Interplay between charge density wave order and magnetic field in the nonmagnetic rare-earth tritelluride LaTe3	Pariari A., Koley S., Roy S., Singha R., Laad M.S., Taraphder A., Mandal P.	Life Sciences;Physical Sciences	Physical Review B	2021	460	1
Disorder-induced currents as signatures of chiral superconductivity	Karmakar M., Ganesh R.	Physical Sciences	Physical Review B	2021	460	1
State selection in frustrated magnets	Khatua S., Srinivasan S., Ganesh R.	Physical Sciences	Physical Review B	2021	460	1
Origin of the ν=1/2 fractional quantum Hall effect in wide quantum wells	Zhao T., Faugno W.N., Pu S., Balram A.C., Jain J.K.	Physical Sciences	Physical Review B	2021	460	2
Stripping the planar quantum compass model to its basics	Sur S., Laad M.S., Hassan S.R.	Physical Sciences	Physical Review B	2021	460	0
Abelian parton state for the ν=4/11 fractional quantum Hall effect	Balram A.C.	Physical Sciences	Physical Review B	2021	460	5
Unconventional Zn parton states at ν=7/3: Role of finite width	Faugno W.N., Zhao T., Balram A.C., Jolicoeur T., Jain J.K.	Physical Sciences	Physical Review B	2021	460	7
Observation of roomerature ferroelectricity in spark-plasma sintered GdCrO3	Mishra S., Keerthana, Rudrapal K., Rahaman A., Pal P., Sagdeo A., Mishra R., Top	Physical Sciences	Physical Review B	2021	460	0
Hierarchy of higher-order topological superconductors in three dimensions	Ghosh A.K., Nag T., Saha A.	Physical Sciences	Physical Review B	2021	460	6
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	460	1
Reference plane for the electronic states in thin films on stepped surfaces	Moras P., Mentes T.O., Schiller F., Ferrari L., Topwal D., Locatelli A., Sheverdyaev	Physical Sciences	Physical Review B	2021	460	0
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	460	1
Magic angle twisted bilayer graphene as a highly efficient quantum Otto engine	Singh A., Benjamin C.	Physical Sciences	Physical Review B	2021	460	3
Exciting odd-frequency equal-spin triplet correlations at metal-superconductor interfaces	Pal S., Benjamin C.	Physical Sciences	Physical Review B	2021	460	0
Negative magnetization induced by particle-size reduction in nanoparticle systems	Dasgupta P., Paul S., Mondal N., Kumar S., Yarlagadda S., Mazumdar C.	Physical Sciences	Physical Review B	2021	460	1
Intra-unitcell cluster-cluster magnetic compensation and large exchange bias in cubic alloys	Giri B., Sahni B., MejiÃ¡ C.S., Chattopadhyay S., Zeitler U., Alam A., Nayak A.K.	Physical Sciences	Physical Review B	2021	460	0
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	460	8
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., Sharma T.K.	Physical Sciences	Physical Review B	2021	460	0
Electronic coupling between the unoccupied states of the organic and inorganic sublattices of methylammonium lead iodide: A hybrid organic-inorganic perovskite single	Man G.J., Sterling C.M., Kamal C., Simonov K.A., Svanström S., Acharya J., Johan	Physical Sciences	Physical Review B	2021	460	1
Origin of natural and magnetic field induced polar order in orthorhombic PrFe1/2Cr1/2 O3	Kumar A., Warshi M.K., Sagdeo A., Krzystyniak M., Rudić S., Adroja D.T., Da Silva	Physical Sciences	Physical Review B	2021	460	6
Coexistence of local structural heterogeneities and long-range ferroelectricity in Pb-free (1-x)Ba(Zr0.2Ti0.8) O3-x(Ba0.7Ca0.3)TiO3 ceramics	Dey K., Ahad A., Gautam K., Tripathy A., Majid S.S., Francoual S., Richter C., Sing	Physical Sciences	Physical Review B	2021	460	4
Minimal model for Hilbert space fragmentation with local constraints	Mukherjee B., Banerjee D., Sengupta K., Sen A.	Physical Sciences	Physical Review B	2021	460	4
Critical behavior in the van der Waals itinerant ferromagnet Fe4 GeTe2	Mondal S., Khan N., Mishra S.M., Satpati B., Mandal P.	Physical Sciences	Physical Review B	2021	460	0
Temperature-dependent equilibration of spin orthogonal quantum Hall edge modes	Maiti T., Agarwal P., Pankaj S., Sreejith G.J., Das S., Biasiol G., Sorba L., Karmakar	Physical Sciences	Physical Review B	2021	460	1
Correlation driven metallic and half-metallic phases in a band insulator	Bag S., Garg A., Krishnamurthy H.R.	Physical Sciences	Physical Review B	2021	460	2
Many-body localization and enhanced nonergodic subdiffusive regime in the presence of random long-range interactions	Prasad Y., Garg A.	Physical Sciences	Physical Review B	2021	460	6
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	221	0
Fusion of O 16 + Ho 165 at deep sub-barrier energies	Bhattacharjee S., Mukherjee A., Gupta A., Santra R., Chattopadhyay D., Deshmu	Physical Sciences	Physical Review C	2021	221	0
Impact of Be 7 breakup on the Li 7 (p,n) neutron spectrum	Midhun C.V., Musthafa M.M., Suryanarayana S.V., Santhosh T., Baishya A., Patil	Physical Sciences	Physical Review C	2021	221	0
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	221	0
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., Santhosh T., Tripathi R., Nag T	Chemical Sciences;Physical Scien	Physical Review C	2021	221	1
Quasielastic backscattering and barrier distribution for the weakly bound projectile Li 6 on Th 159	Biswas P., Mukherjee A., Bhattacharjee S., Chattopadhyay D., Roy S., Santra S., P	Life Sciences;Physical Sciences	Physical Review C	2021	221	0
Investigating neutron transfer in the Be 9 + Au 197 system	Kaushik M., Pandit S.K., Parkar V.V., Gupta G., Thakur S., Nanal V., Krishnamoort	Physical Sciences	Physical Review C	2021	221	1
Fission fragment mass and folding angle distributions in the reaction Be 9 + U 238	Paul D., Sen J., Ghosh T.K., Shaikh M.M., Atreya K., Santra R., Kundu S., Rana T.K	Physical Sciences	Physical Review C	2021	221	0
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	221	0
Fission fragment mass distribution in the S 32 + Sm 144 reaction	Nag T.N., Tripathi R., Patra S., Mhatre A., Santra S., Rout P.C., Kundu A., Chattop	Chemical Sciences;Physical Scien	Physical Review C	2021	221	2
New lifetime measurement for the 21+ level in Sn 112 by the Doppler-shift attenuation method	Kundu A., Laskar Md.S.R., Palit R., Raut R., Santra S., Shimizu N., Togashi T., Ideg	Medical and Health Sciences;Phy	Physical Review C	2021	221	0
Large back-angle quasielastic scattering for Li 7 + Tb 159	Biswas P., Mukherjee A., Chattopadhyay D., Bhattacharjee S., Pradhan M.K., Sha	Life Sciences;Physical Sciences	Physical Review C	2021	221	1
Correlations 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., Asilar E., Bergauer T., Brand	Physical Sciences	Physical Review C	2021	221	1
Application of the coherent density fluctuation model to study the nuclear matter properties of finite nuclei within the relativistic mean-field formalism	Kumar A., Das H.C., Kaur M., Bhuyan M., Patra S.K.	Physical Sciences	Physical Review C	2021	221	3
Incompressibility and symmetry energy of a neutron star	Kumar A., Das H.C., Patra S.K.	Physical Sciences	Physical Review C	2021	221	2
Ac+ production in pp and in p -Pb collisions at sNN =5.02 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Ag	Physical Sciences	Physical Review C	2021	221	6
Rotating neutron stars with quark cores	Rather I.A., Rahaman U., Imran M., Das H.C., Usmani A.A., Patra S.K.	Physical Sciences	Physical Review C	2021	221	14
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	221	1
Ak femtoscopy in Pb-Pb collisions at sNN =2.76 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M.M., Aglieri Rinella G.	Physical Sciences	Physical Review C	2021	221	0
Global Ï› -hyperon polarization in Au+Au collisions at sNN =3 GeV GLOBAL Ï› -HYPERON POLARIZATION in ... M. S. ABDALLAH et al.	Abdallah M.S., Aboona B.E., Adam J., Adamczyk L., Adams J.R., Adkins J.K., Agak	Physical Sciences	Physical Review C	2021	221	6
Cumulants and correlation functions of net-proton, proton, and antiproton multiplicity distributions in Au+Au collisions at energies available at the BNL Relativistic Heavy	Abdallah M.S., Adam J., Adamczyk L., Adams J.R., Adkins J.K., Agakishiev G., Agg	Physical Sciences	Physical Review C	2021	221	19
Probing the profile of bulk matter in p +Pb collisions via directed flow of heavy quarks	Haque M.R., Singha S., Mohanty B.	Physical Sciences	Physical Review C	2021	221	0
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., Adkins J.K., Agakishiev G., Agg	Physical Sciences	Physical Review C	2021	221	2
Flow and interferometry results from Au+Au collisions at sNN =4.5 GeV	Abdallah M.S., Adam J., Adamczyk L., Adams J.R., Adkins J.K., Agakishiev G., Agg	Physical Sciences	Physical Review C	2021	221	6
Next-to-next-to leading-order hard-thermal-loop perturbation-theory predictions for the curvature of the QCD phase transition line	Haque N., Strickland M.	Physical Sciences	Physical Review C	2021	221	5
Chemical freeze-out systematics of thermal model analysis using hadron yield ratios	Bhattacharyya S., Jaiswal A., Roy S.	Physical Sciences	Physical Review C	2021	221	0
Evidence of octupole correlation in Se 79	Rajbanshi S., Palit R., Raut R., Wang Y.Y., Ren Z.X., Meng J., Chen Q.B., Ali S., Pai	Physical Sciences	Physical Review C	2021	221	1
Neutron capture cross sections of light neutron-rich nuclei relevant for -process nucleosynthesis	Bhattacharyya A., Datta U., Rahaman A., Chakraborty S., Aumann T., Beceiro-Nov	Physical Sciences	Physical Review C	2021	221	0
Experimental evidence of exact E(5) symmetry in Kr 82	Rajbanshi S., Bhattacharya S., Raut R., Palit R., Ali S., Santra R., Pai H., Babra F.S.	Physical Sciences	Physical Review C	2021	221	0
Ratio of photon anisotropic flow in relativistic heavy ion collisions	Chatterjee R., Dasgupta P.	Physical Sciences	Physical Review C	2021	221	1
No signature of the saturation of giant dipole resonance width in medium-mass nuclei	Mukhopadhyay S., Roy P., Mondal D., Pandit D., Pal S., Dey B., Bhattacharya S.,	Engineering Sciences;Physical Sci	Physical Review C	2021	221	0
Dependence on beam energy and nuclear equation of state of anisotropic flow and particle production in low-energy heavy-ion collisions	Kundu S.K., Bailung Y., Rode S.P., Bhaduri P.P., Roy A.	Physical Sciences	Physical Review C	2021	221	0
Shape coexistence search in Sn 150 from a y-y Fast timing measurement	Basak S., Alam S.S., Ali I., Saha A., Bhattacharjee T.	Physical Sciences	Physical Review C	2021	221	0
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	221	0
Complex fragment emission in dissipative binary decay of Kr 74,76	Rana T.K., Kundu S., Bhattacharya C., Manna S., Roy P., Pandey R., Sen A., Ghosh	Physical Sciences	Physical Review C	2021	221	0
Pseudospin-doublet bands and Gallagher Moszkowski doublet bands in y 100	Wang E.H., Hamilton J.H., Ramayya A.V., Zachary C.J., Lemasson A., Navin A., Re	Physical Sciences	Physical Review C	2021	221	1
Excitation energy and angular momentum dependence of the nuclear level density parameter around A=110	Roy P., Mukhopadhyay S., Aggarwal M., Pandit D., Rana T.K., Kundu S., Ghosh T.	Engineering Sciences;Physical Sci	Physical Review C	2021	221	1
Effect of high angular momentum on n/s of nuclear matter	Mukhopadhyay S., Pandit D., Dey B., Mondal D., Mukhopadhyay S., Pal S., De A., B	Engineering Sciences;Physical Sci	Physical Review C	2021	221	1
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 MEASUREMEN	Tumasyan A., Adam W., Andrejkovic J.W., Bergauer T., Chatterjee S., Dragicevic	Physical Sciences	Physical Review D	2021	363	2
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., Chatterjee S., Dragicevic	Physical Sciences	Physical Review D	2021	363	6
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., Bergauer T., Chatterje	Physical Sciences	Physical Review D	2021	363	10
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., Dragicevic M., Escalante De	Physical Sciences	Physical Review D	2021	363	1
Right handed neutrinos, TeV scale BSM neutral Higgs boson, and PBH dark matter in an EFT framework	Bélanger G., Ghosh S., Padhan M., Mitra M., Shil S.	Physical Sciences	Physical Review D	2021	363	3
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., Bergauer T., Chatterje	Physical Sciences	Physical Review D	2021	363	9
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., Bergauer T., Chatterje	Physical Sciences	Physical Review D	2021	363	12
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., Bergauer T., Chatterje	Physical Sciences	Physical Review D	2021	363	5
Hard color-singlet exchange in dijet events in proton-proton collisions at s =13 TeV	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Dragicevic M.,	Physical Sciences	Physical Review D	2021	363	1
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., Bergauer T., Dragicevic M.,	Physical Sciences	Physical Review D	2021	363	13
Methodology to determine the spin-parity of muon-phiIic X boson in J /ψ →μ+μ+X decay	Mitra M., Sahoo D.	Physical Sciences	Physical Review D	2021	363	0
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	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Dragicevic M.,	Physical Sciences	Physical Review D	2021	363	6
Nonthermal hot dark matter from inflaton or moduli decay: Momentum distribution and relaxation of the cosmological mass bound	Bhattacharya S., Das S., Dutta K., Gangopadhyay M.R., Mahanta R., Maharana A	Physical Sciences	Physical Review D	2021	363	3
Influence of flow thickness on general relativistic low angular momentum accretion around spinning black holes	Tarafdar P., Maity S., Das T.K.	Physical Sciences	Physical Review D	2021	363	0
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Divector boson production in association with a Higgs boson at hadron colliders	Agrawal P., Saha D., Shivaji A.	Physical Sciences	Physical Review D	2021	363	0
Minimal and nonminimal universal extra dimension models in the light of LHC data at 13 TeV MINIMAL and NONMINIMAL UNIVERSAL EXTRA DIMENSION ... AVNISH, GH	Avnish, Ghosh K., Jha T., Niyogi S.	Physical Sciences	Physical Review D	2021	363	0
Measurement of transverse single-spin asymmetries of π0 and electromagnetic jets at forward rapidity in 200 and 500 GeV transversely polarized proton-proton collision	Adam J., Adamczyk L., Adams J.R., Adkins J.K., Agakishiev G., Aggarwal M.M., Ah	Physical Sciences	Physical Review D	2021	363	0
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., Adhikari N., Adhikari R.	Engineering Sciences;Physical Sci	Physical Review D	2021	363	5
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., Adhikari N., Adhikari R.	Engineering Sciences;Physical Sci	Physical Review D	2021	363	2
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 K., Adams A., Adams C.	Engineering Sciences;Physical Sci	Physical Review D	2021	363	11
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 K., Adams A., Adams C.	Engineering Sciences;Physical Sci	Physical Review D	2021	363	17
Upper limits on the isotropic gravitational-wave background from Advanced LIGO and Advanced Virgo's third observing run	Abbott R., Abbott T.D., Abraham S., Acernese F., Ackley K., Adams A., Adams C.	Engineering Sciences;Physical Sci	Physical Review D	2021	363	50
Tests of general relativity with binary black holes from the second LIGO-Virgo gravitational-wave transient catalog	Abbott R., Abbott T.D., Abraham S., Acernese F., Ackley K., Adams A., Adams C.	Engineering Sciences;Physical Sci	Physical Review D	2021	363	133
All-sky search in early O3 LIGO data for continuous gravitational-wave signals from unknown neutron stars in binary systems	Abbott R., Abbott T.D., Abraham S., Acernese F., Ackley K., Adams A., Adams C.	Engineering Sciences;Physical Sci	Physical Review D	2021	363	14
Electromagnetic field fluctuation and its correlation with the participant plane in Au+Au and isobaric collisions at sNN =200 GeV	Alam S.N., Bhatta P., Ahmad S., Chattopadhyay S.	Physical Sciences	Physical Review D	2021	363	0
Invariant jet mass measurements in pp collisions at s =200 GeV at RHIC	Abdallah M.S., Adam J., Adamczyk L., Adams J.R., Adkins J.K., Agakishiev G., Agg	Physical Sciences	Physical Review D	2021	363	1
Relativistic resistive dissipative magnetohydrodynamics from the relaxation time approximation	Panda A.K., Dash A., Biswas R., Roy V.	Physical Sciences	Physical Review D	2021	363	3
Application of the contour Minkowski tensor and D statistic to the Planck e -mode data	Kochappan J.P., Sen A., Ghosh T., Chinganglam P., Basak S.	Physical Sciences	Physical Review D	2021	363	1
Gravitini zero modes riding on top of multiple black holes	Dubey P., Gowdigere C.N.	Physical Sciences	Physical Review D	2021	363	0
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., Adkins J.K., Agakishiev G., Agg	Physical Sciences	Physical Review D	2021	363	4
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., Adkins J.K., Agakishiev G., Aggarwal M.M., Al	Physical Sciences	Physical Review D	2021	363	2
Dissipative spin dynamics in relativistic matter	Bhadury S., Florkowski W., Jaiswal A., Kumar A., Ryblewski R.	Physical Sciences	Physical Review D	2021	363	15
Measurements of W and Z /Ï*a^ — cross sections and their ratios in p+p collisions at RHIC	Adam J., Adamczyk L., Adams J.R., Adkins J.K., Agakishiev G., Aggarwal M.M., Al	Physical Sciences	Physical Review D	2021	363	3
Leptophilic-portal dark matter in the light of AMS-02 positron excess	Ghosh S., Dutta Banik A., Chun E.J., Majumdar D.	Physical Sciences	Physical Review D	2021	363	1
Thermomagnetic modification of the anomalous magnetic moment of quarks using the NJL model	Ghosh S., Chaudhuri N., Roy P., Sarkar S.	Physical Sciences	Physical Review D	2021	363	3
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	363	3
Chiral susceptibility in a dense thermomagnetic QCD medium within the hard thermal loop approximation	Ghosh R., Karmakar B., Mustafa M.G.	Physical Sciences	Physical Review D	2021	363	0
Probing interacting dark energy and scattering of baryons with dark matter in light of the EDGES 21-cm signal	Mukhopadhyay U., Majumdar D., Datta K.K.	Physical Sciences	Physical Review D	2021	363	5
Holographic entanglement entropy for Li f4 (2) ×s1×S5 spacetime with string excitations	Maulik S., Singh H.	Physical Sciences	Physical Review D	2021	363	1
Unusual stability of protein molecules in the presence of multivalent counterions	Kumar R., Saha D., Ray D., Abbas S., Aswal V.K.	Physical Sciences	Physical Review E	2021	307	1
Disorder in cellular packing can alter proliferation dynamics to regulate growth	Kuyyamudi C., Menon S.N., Casares F., Sinha S.	Physical Sciences	Physical Review E	2021	307	1
Rejection-free cluster Wang-Landau algorithm for hard-core lattice gases	Jaleel A.A.A., Thomas J.E., Mandal D., Sumedha, Rajesh R.	Physical Sciences	Physical Review E	2021	307	4
Contact-mediated cellular communication supplements positional information to regulate spatial patterning during development	Kuyyamudi C., Menon S.N., Sinha S.	Physical Sciences	Physical Review E	2021	307	3
Entropy of fully packed hard rigid rods on d -dimensional hypercubic lattices	Dhar D., Rajesh R.	Physical Sciences	Physical Review E	2021	307	4
Critical behavior of magnetic polymers in two and three dimensions	Foster D.P., Majumdar D.	Physical Sciences	Physical Review E	2021	307	1
Hydrodynamic theory of flocking at a solid-liquid interface: Long-range order and giant number fluctuations	Sarkar N., Basu A., Toner J.	Physical Sciences	Physical Review E	2021	307	1
Asymmetric exclusion processes with fixed resources: Reservoir crowding and steady states	Haldar A., Roy P., Basu A.	Physical Sciences	Physical Review E	2021	307	0
Bending of pinned dust-ion acoustic solitary waves in presence of charged space debris	Acharya S.P., Mukherjee A., Janaki M.S.	Physical Sciences	Physical Review E	2021	307	1
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., Chatterjee S., Dragicevic	Physical Sciences	Physical Review Letters	2021	647	2
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., Chatterjee S., Dragicevic	Physical Sciences	Physical Review Letters	2021	647	2
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., Apadula N., Asano H., A	Physical Sciences	Physical Review Letters	2021	647	1
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., Dragicevic M., Erö J., Escala	Physical Sciences	Physical Review Letters	2021	647	2
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., Bergauer T., Dragicevic M.,	Physical Sciences	Physical Review Letters	2021	647	4
Observation of a New Excited Beauty Strange Baryon Decaying to Ξb- π+π-	Sirunyan A.M., Tumasyan A., Adam W., Andrejkovic J.W., Bergauer T., Chatterjee	Physical Sciences	Physical Review Letters	2021	647	9
Measurement of the Wy 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., Bergauer T., Chatterjee	Physical Sciences	Physical Review Letters	2021	647	4
Quasi-One-Dimensional Fermi Surface Nesting and Hidden Nesting Enable Multiple Kohn Anomalies in α -Uranium	Roy A.P., Bajaj N., Mittal R., Babu P.D., Bansal D.	Physical Sciences	Physical Review Letters	2021	647	3
Elastoplastic Approach Based on Microscopic Insights for the Steady State and Transient Dynamics of Sheared Disordered Solids	Liu C., Dutta S., Chaudhuri P., Martens K.	Physical Sciences	Physical Review Letters	2021	647	3
Quench Dynamics of Collective Modes in Fractional Quantum Hall Bilayers	Liu Z., Balram A.C., Papić Z., Gromov A.	Physical Sciences	Physical Review Letters	2021	647	8
Measurement of the Cross Sections of Ξc0 and Ξc+ Baryons and of the Branching-Fraction Ratio BR (Ξc0 → Ξ-e+νe)/BR (Ξc0 → Ξ-π+) in pp Collisions at s =13 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Ag	Physical Sciences	Physical Review Letters	2021	647	2
Λc+ Production and Baryon-to-Meson Ratios in pp and p -Pb Collisions at sNN =5.02 TeV at the LHC	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Ag	Physical Sciences	Physical Review Letters	2021	647	9
Multiharmonic Correlations of Different Flow Amplitudes in Pb-Pb Collisions at sNN =2.76 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Ag	Physical Sciences	Physical Review Letters	2021	647	2
Soft-Dielectron Excess in Proton-Proton Collisions at s =13 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M.M., Aglieri Rinella G.	Physical Sciences	Physical Review Letters	2021	647	1
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 M.M., Aglieri Rinella G.	Physical Sciences	Physical Review Letters	2021	647	2
Constraints on Cosmic Strings Using Data from the Third Advanced LIGO-Virgo Observing Run	Abbott R., Abbott T.D., Abraham S., Acernese F., Ackley K., Adams A., Adams C.	Engineering Sciences;Physical Sci	Physical Review Letters	2021	647	24
Measurement of the Sixth-Order Cumulant of Net-Proton Multiplicity Distributions in Au+Au Collisions at s NN =27, 54.4, and 200 GeV at RHIC	Abdallah M.S., Adam W., Adamczyk L., Adams J.R., Adkins J.K., Agakishiev G., Agg	Physical Sciences	Physical Review Letters	2021	647	6
Experimental Evidence for an Attractive p-Ï† Interaction	Acharya S., AdamovÃ¡ D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Ag	Physical Sciences	Physical Review Letters	2021	647	3
Observation of DsÃ± /D0 Enhancement in Au+Au Collisions at sNN =200 GeV	Adam J., Adamczyk L., Adams J.R., Adkins J.K., Agakishiev G., Aggarwal M.M., Al	Physical Sciences	Physical Review Letters	2021	647	7
Measurement of e+e- Momentum and Angular Distributions from Linearly Polarized Photon Collisions	Adam J., Adamczyk L., Adams J.R., Adkins J.K., Agakishiev G., Aggarwal M.M., Al	Physical Sciences	Physical Review Letters	2021	647	17
Global Polarization of Ξ̄ and Λ̄ Hyperons in Au+Au Collisions at sNN =200 GeV	Adam J., Adamczyk L., Adams J.R., Adkins J.K., Agakishiev G., Aggarwal M.M., Al	Physical Sciences	Physical Review Letters	2021	647	12
Nonmonotonic Energy Dependence of Net-Proton Number Fluctuations	Adam J., Adamczyk L., Adams J.R., Adkins J.K., Agakishiev G., Aggarwal M.M., Al	Physical Sciences	Physical Review Letters	2021	647	53
Core-Level Binding Energy Reveals Hydrogen Bonding Configurations of Water Adsorbed on TiO2 (110) Surface	Kamal C., Stenberg N., Walle L.E., Ragazzon D., Borg A., Uvdal P., Skorodumova	Physical Sciences	Physical Review Letters	2021	647	1
Swarming Bottom Feeders: Flocking at Solid-Liquid Interfaces	Sarkar N., Basu A., Toner J.	Physical Sciences	Physical Review Letters	2021	647	1
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	46	1
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	46	0
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., Mali T.K., Mukherjee S., Alexander R., Sharma A.M.R.,	Engineering Sciences;Physical Sci	Physical Review Materials	2021	46	1
Molecular dynamics study of the point defects in bcc uranium	Ravi C., Govindaraj R., Alfe D.	Physical Sciences	Physical Review Materials	2021	46	0
Signature of topological nontrivial band structure in Ta3SiTe6	Roy S., Singha R., Ghosh A., Mandal P.	Life Sciences;Physical Sciences	Physical Review Materials	2021	46	3
Parton wave function for the fractional quantum Hall effect at	Balram A.C., Wójs A.	Physical Sciences	Physical Review Research	2021	269	3
Probing mirror anomaly and classes of Dirac semimetals with circular dichroism	Roy Karmakar A., Nandy S., Das G.P., Saha K.	Physical Sciences	Physical Review Research	2021	269	1
GWTC-2: Compact Binary Coalescences Observed by LIGO and Virgo during the First Half of the Third Observing Run	Abbott R., Abbott T.D., Abraham S., Acernese F., Ackley K., Adams A., Adams C.	Engineering Sciences;Physical Sci	Physical Review X	2021	147	513
Development and clinical validation of Knowledge-based planning for Volumetric Modulated Arc Therapy of cervical cancer including pelvic and para aortic fields	Swamidas J., Pradhan S., Chopra S., Panda S., Gupta Y., Sood S., Mohanty S., Jain	Medical and Health Sciences	Physics and Imaging in Radiation Oncology	2021	16	2
Distribution of entanglement with variable range interactions	Lakkaraju L.G.C., Ghosh S., Roy S., Sen(De) A.	Physical Sciences	Physics Letters, Section A: General, Atomic and Solid State	2021	177	0
Witnessing nonseparability of bipartite quantum operations	Sohail, Sen U.	Physical Sciences	Physics Letters, Section A: General, Atomic and Solid State	2021	177	1
Recycling the resource: Sequential usage of shared state in quantum teleportation with weak measurements	Roy S., Bera A., Mal S., Sen(De) A., Sen U.	Physical Sciences	Physics Letters, Section A: General, Atomic and Solid State	2021	177	8
Quantum process randomness	Das S., Kumar A., Sen (De) A., Sen U.	Physical Sciences	Physics Letters, Section A: General, Atomic and Solid State	2021	177	1
Emergent entropy of exotic oscillators and squeezing in three-wave mixing process	Pal S.K., Nandi P., Ghosh S., Scholtz F.G., Chakraborty B.	Physical Sciences	Physics Letters, Section A: General, Atomic and Solid State	2021	177	1
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	2021	177	2
Computational studies on fast wave current drive in high beta SST-1 and SST-2 plasmas	Ganji J., Sharma P.K., Srinivasan R., Dixit H.V.	Physical Sciences	Physics Letters, Section A: General, Atomic and Solid State	2021	177	2
Velocity shear effect on Jeans instability in a viscoelastic fluid	Chakrabarti N.	Physical Sciences	Physics Letters, Section A: General, Atomic and Solid State	2021	177	1
Search for coherent bremsstrahlung from spontaneous fission at 555 meter deep underground laboratory	Pandit D., Mondal D., Ghosh T.K., Mukhopadhyay S., Pal S., Sen A., Saha A.K., Jha	Engineering Sciences;Physical Sci	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	0
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., Dragicevic M., Escalante De	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	4
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., Bergauer T., Chatterje	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	6
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 V.V., Palit R., Rout P.C.,	Medical and Health Sciences;Phy	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	4
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., Dragicevic M., Erö J., Escala	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	12
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., Dragicevic M., Erö J., Escala	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	19
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., Bergauer T., Dragicevic M., B	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	3
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., Bergauer T., Dragicevic M., B	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	3
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., Bergauer T., Dragicevic M., B	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	8
Studies of charm and beauty hadron long-range correlations in pp and pPb collisions at LHC energies	Sirunyan A.M., Tumasyan A., Adam W., Ambrogi F., Arnold B., Bergauer H., Berg	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	1
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., Bergauer T., Dragicevic M., B	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	24
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., Dragicevic M., Erö J., Escala	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	18
Production of muons from heavy-flavour hadron decays at high transverse momentum in Pb–Pb collisions at sNN=5.02 and 2.76 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Ag	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	1
Cancellation in dark matter-nucleon interactions: The role of non-standard-model-like Yukawa couplings	Das D., De B., Mitra S.	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	2
Kaon–proton strong interaction at low relative momentum via femtoscopy in Pb–Pb collisions at the LHC	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Ag	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	1
Ψ production and nuclear modification at forward rapidity in Pb–Pb collisions at sNN=5.02TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Ag	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	2
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 Rinella G., Agnello M., Ag	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	4
W+W−H production through bottom quarks fusion at hadron colliders	Agrawal P., Das B.	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	0
Type-III see-saw: Phenomenological implications of the information lost in decoupling from high-energy to low-energy	Ashanujaman S., Ghosh K.	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	6
Jet-associated deuteron production in pp collisions at s=13 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Ag	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	2
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 Rinella G., Agnello M., Ag	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	1
Measurements of mixed harmonic cumulants in Pb–Pb collisions at sNN=5.02 TeV	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Ag	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	3
First measurement of the |t|-dependence of coherent J/ψ photonuclear production	Acharya S., Adamová D., Adler A., Adolfsson J., Aglieri Rinella G., Agnello M., Ag	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	9
First measurement of quarkonium polarization in nuclear collisions at the LHC	Acharya S., Adamová D., Adler A., Adolfsson J., Aggarwal M.M., Aglieri Rinella G	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	4
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 M.M., Aglieri Rinella G.	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	4
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 M.M., Agha S., Aglieri	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	2
Relativistic dissipative spin dynamics in the relaxation time approximation	Bhadury S., Florkowski W., Jaiswal A., Kumar A., Ryblewski R.	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	26
Sensitive search for near-symmetric and super-asymmetric fusion-fission of the superheavy element Flerovium (Z=114)	Banerjee K., Hinde D.J., Dasgupta M., Sadhukhan J., Simpson E.C., Jeung D.Y., Sir	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	1
The fate of nonlinear perturbations near the QCD critical point	Sarwar G., Hasanujjaman M., Rahaman M., Bhattacharyya A., Alam J.-E.	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	1
Proton entropy excess and possible signature of pairing reentrance in hot nuclei	Dey B., Bhattacharya S., Pandit D., Dinh Dang N., Ngoc Anh N., Tan Phuc L., Quan	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	1
Puzzle of collective enhancement in the nuclear level density	Pandit D., Bhattacharya S., Bana T.K., Mondal D., Mukhopadhyay S., Pal S.	Engineering Sciences;Physical Sci	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	2
Probing entrance channel effects in fusion-fission dynamics through neutron multiplicity measurement of 208Rn	Kumar N., Verma S., Mohsina S., Sadhukhan J., Rojeeta Devi K., Banerjee A., San	Physical Sciences	Physics Letters, Section B: Nuclear, Elementary Particle an	2021	267	4
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	186	1
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	186	4
Influence of thermalization protocol on Poiseuille flow of confined soft glass	Vaibhav V., Chaudhuri P.	Physical Sciences	Physics of Fluids	2021	186	2
Nucleate pool boiling performance at contact of water/titania nanofluid: Experiments and prediction modeling	Mukherjee S., Mishra P.C., Chaudhuri P., Ali N., Ebrahim S.A.	Engineering Sciences	Physics of Fluids	2021	186	3
Spot formation in three-dimensional Yukawa liquid	Kalita S., Ganesh R.	Physical Sciences	Physics of Fluids	2021	186	0
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	164	3
Investigation of stagnation layer dynamics of counterpropagating laser induced air plasmas: Numerical simulations vis-à-vis experimental observations	Kameswari D.P.S.L., Guthikonda N., Shiva S.S., Manikanta E., Harsha S.S., Ikkurth	Physical Sciences	Physics of Plasmas	2021	164	2
Simulating multi-scale gated field emitters - A hybrid approach	Sarkar S.G., Kumar R., Singh G., Biswas D.	Physical Sciences	Physics of Plasmas	2021	164	3
Effect of magnetic field on optical emission from cold atmospheric pressure micro-plasma jet	Barman K., Mondal M., Rane R., Bhattacharjee S.	Physical Sciences	Physics of Plasmas	2021	164	0
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	164	0
Controlling the rotation of drift tearing modes by biased electrode in ADITYA-U tokamak	Macwan T., Singh K., Dolui S., Kumar A., Raj H., Gautam P., Edappala P., Ghosh J.	Engineering Sciences;Physical Sci	Physics of Plasmas	2021	164	1
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	164	2
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	164	0
Effect of in-plane shear flow on the magnetic island coalescence instability	Mahapatra J., Bokshi A., Ganesh R., Sen A.	Physical Sciences	Physics of Plasmas	2021	164	0
Phase of particle-level velocity perturbations determines the fate of Rayleigh-Bénard convection cells in 2D Yukawa liquids	Kaur P., Ganesh R.	Physical Sciences	Physics of Plasmas	2021	164	1
Disruption mitigation using ion cyclotron wave in ADITYA tokamak	Ghosh J., Tanna R.L., Chattopadhyay P.K., Sen A., Raj H., Dhyani P., Dolui S., Kulk	Physical Sciences	Physics of Plasmas	2021	164	0
A novel quiescent quasi-steady state of a toroidal electron plasma	Khamaru S., Ganesh R., Sengupta M.	Physical Sciences	Physics of Plasmas	2021	164	2
Characteristics of plasma stream evolution in a pulsed plasma accelerator	Ahmed A., Singha S., Borthakur S., Neog N.K., Borthakur T.K., Ghosh J.	Physical Sciences	Physics of Plasmas	2021	164	0
Wavebreaking amplitudes in warm, inhomogeneous plasmas revisited	Rathee N., Mukherjee A., Trines R.M.G.M., Sengupta S.	Physical Sciences	Physics of Plasmas	2021	164	1
Quasi mono-energetic heavy ion acceleration from layered targets	Bagchi S., Tayyab M., Pasley J., Robinson A.P.L., Nayak M., Chakera J.A.	Physical Sciences	Physics of Plasmas	2021	164	1
Collisional drift wave instability in an ultracold neutral plasma	Chakrabarti N., Sen A.	Physical Sciences	Physics of Plasmas	2021	164	0
Regulatory short RNAs: A decade's tale for manipulating salt tolerance in plants	Negi P., Mishra S., Ganapathi T.R., Srivastava A.K.	Life Sciences	Physiologia Plantarum	2021	151	2
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	151	4
Exploring diversities of micro RNAs in banana: Cell types, Taius and future prospective	Bhakta S., Tak H., Ganapathi T.R.	Life Sciences	Physiologia Plantarum	2021	151	4
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., Singh B., Kashyap Y., Tri	Physical Sciences	Physiologia Plantarum	2021	151	4
A translationally controlled tumor protein (TCTP) is involved in growth and antagonistic behaviour of Trichoderma virens	Bansal R., Gupta G.D., Mukherjee P.K.	Life Sciences	Physiological and Molecular Plant Pathology	2021	80	2
Studies on the tissue specific nature and stress inducible activation of the CHI-1 gene from banana	Negi S., Madari S., Tak H., Bhakta S., Ganapathi T.R.	Life Sciences	Plant Physiology and Biochemistry	2021	133	0
Thymidylate kinase (TMK) of the photosynthetic, nitrogen-fixing cyanobacterium Nostoc sp. strain PCC7120: Biophysical, biochemical and physiological characterisation	Kirti A., Prashar V., Kumar A., Pandey S., Rajaram H.	Life Sciences	Plant Physiology and Biochemistry	2021	133	1
Foliar spray of gamma ray degraded chitosan enhances the yield in wheat	Sanyuktha A., Pillai J., Varshney L., Badere R.S.	Chemical Sciences	Plant Physiology Reports	2021	19	0
Characterization of the N- terminal domain of Mre11 protein from rice (OsMre11) Oryza sativa	Nair A., Pillai V.S., Chittela R.K.	Life Sciences	Plant Science	2021	161	2
Light- and hormone-mediated development in non-flowering plants: An overview	Biswal D.P., Panigrahi K.C.S.	Life Sciences	Planta	2021	167	3
Effect of zno nanoparticles on growth and biochemical responses of wheat and maize	Srivastav A., Ganjewala D., Singhal R.K., Rajput V.D., Minkina T., Voloshina M., Sa	Chemical Sciences	Plants	2021	47	1
Investigation of Recycling and Impurities Influxes in ADITYA-U Tokamak Plasmas	Yadava N., Chowdhuri M.B., Ghosh J., Manchanda R., Macwan T., Ramaiya N., Pa	Engineering Sciences;Physical Sci	Plasma and Fusion Research	2021	19	2
Inactivation of Candida albicans and Lemon (Citrus limon) Spoilage Fungi Using Plasma Activated Water	Rathore V., Patel D., Butani S., Nema S.K.	Chemical Sciences	Plasma Chemistry and Plasma Processing	2021	68	6
Investigation of Physicochemical Properties of Plasma Activated Water and its Bactericidal Efficacy	Rathore V., Patel D., Butani S., Nema S.K.	Chemical Sciences	Plasma Chemistry and Plasma Processing	2021	68	9
High yield (108/pulse) DD neutron generator based on a compact, transportable and low energy plasma focus device	Niranjan R., Srivastava R., Joycee J., Joshi K.D

Exploring the prospective of 99mTc-labeled DNA intercalator in tumor imaging: Studies with 99mTc-acridine	Ghosh S., Suman S.K., Sarma H.D., Das T.	Chemical Sciences	Polyhedron	2021	102	0
Exploration of N-oxo pyridine 2-carboxamide ligands towards coordination chemistry, solvent extraction, and DFT investigation for the development of novel solvent for	Das D., Joshi M., Kannan S., Kumar M., Ghanty T.K., Pente A.S., Sengupta A., Kau	Chemical Sciences	Polyhedron	2021	102	0
Selective removal of Zr(IV) from simulated High-Level liquid waste of metallic fuel reprocessing using hydroxyacetamide Extractant: Insights from solvent extraction and c	Prathibha T., Suneesh A.S., Chandra S., Sriram S., Ramanathan N.	Chemical Sciences	Polyhedron	2021	102	2
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 D., Ali M.E., Aswal V.K.,	Physical Sciences	Polymer Chemistry	2021	127	2
Comparative study of different carbon reinforcements at different length scales on the properties of polyvinyl alcohol composites	Alexander R., Dinkar A., Biswas S., Dasgupta K.	Engineering Sciences	Polymer Composites	2021	87	2
Role of the interface on electron transport in electro-conductive polymer-matrix composite: A review	Mondal R.K., Dubey K.A., Bhardwaj Y.K.	Chemical Sciences	Polymer Composites	2021	87	5
Enhancing the electroactive phases in ferroelectrically flexible films of MoS2/PVDF	Thakur A., Mandeep J., Dam S., Shekar N.V.C., Amarendra G., Hussain S., Rajesh	Physical Sciences	Polymer Crystallization	2021	12	2
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	89	4
Application of zwitterions in forward osmosis: A short review	Chiao Y.-H., Sengupta A., Ang M.B.M.Y., Chen S.-T., Haan T.Y., Almodovar J., Hur	Chemical Sciences	Polymers	2021	89	2
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., Sengupta A.	Chemical Sciences	Polymers for Advanced Technologies	2021	94	17
Failure analysis of a high-voltage feedthrough of induc-2 synchrotron radiation source [Schadensanalyse einer Hochspannungs- durchführung der Synchrotronstrahlenque	Gupta S.R.K., Itoop M.O., Rai S.K., Singh R., Singh M.K., Ganesh P., Kaul R.	Physical Sciences	Praktische Metallographie/Practical Metallography	2021	17	0
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	54	0
The construction of shower maximising sensitive MCP detector	Badguiar K.D., Subrhmanyam N.B.V., Munshi P., Rane K.P., Pant L.M., Nayak B.K	Physical Sciences	Pramana - Journal of Physics	2021	54	0
An update on coherent scattering from complex non-PT-symmetric Scarf II potential with new analytic forms	Kumar S., Ahmed Z.	Physical Sciences	Pramana - Journal of Physics	2021	54	1
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	54	0
A single laser-operated magneto-optical trap for Rb atomic fountain	Singh S., Jain B., Ram S.P., Tiwari V.B., Mishra S.R.	Physical Sciences	Pramana - Journal of Physics	2021	54	2
Anisotropic flow of photons in relativistic heavy ion collisions	Chatterjee R.	Physical Sciences	Pramana - Journal of Physics	2021	54	1
Deciding reachability under persistent x86-TSO	Abdulla P.A., Atig M.F., Bouajjani A., Kumar K.N., Saivasan P.	Mathematical Sciences	Proceedings of the ACM on Programming Languages	2021	28	4
An asymmetric multiparameter CCR flow	Sundar S.	Mathematical Sciences	Proceedings of the American Mathematical Society	2021	81	0
Planar algebras associated to latin squares are of subgroup-group-type	KODIYALAM V., MURALI S.	Mathematical Sciences	Proceedings of the American Mathematical Society	2021	81	0
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: Mathema	2021	26	0
Distribution of natural beta dose to individual grains in sediments	Chauhan N., Selvam T.P., Anand S., Shinde D.P., Mayya Y.S., Feathers J.K., Singhv	Physical Sciences	Proceedings of the Indian National Science Academy	2021	21	0
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., Paul C.P., O'Neill W.	Engineering Sciences	Proceedings of the Institution of Mechanical Engineers, Pa	2021	71	1
Study of plastically deformed region underneath the ball in indentation tests and evaluation of mechanical properties of materials through finite element simulation and	Samal M.K., Syed A., Khatri R.N., Chattopadhyay J.	Engineering Sciences	Proceedings of the Institution of Mechanical Engineers, Pa	2021	71	0
On some recursion relations for horn's hypergeometric functions of three variables	Agabwal P., Shehata A., Moustafaf S.I., Chakraborty K.	Mathematical Sciences	Proceedings of the Jangjeon Mathematical Society	2021	21	1
Ground Improvement Technique To Mitigate Earthquake Induced Liquefaction Hazard Of Structures Resting on Pile Foundations	Pradhan M.M., Phanikanth V.S., Choudhury D., Srinivas K.	Physical Sciences	Proceedings of the National Academy of Sciences India Sec	2021	20	0
TP53 missense mutations in PDAC are associated with enhanced fibrosis and an immunosuppressive microenvironment	Maddalena M., Mallel G., Natarajan N.B., Shrebert-Shaked M., Hassin O., Mukherje	Life Sciences	Proceedings of the National Academy of Sciences of the Un	2021	20	10
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., Bindra K.S.	Engineering Sciences;Physical Sci	Progress in Additive Manufacturing	2021	20	0
A review on molten salt synthesis of metal oxide nanomaterials: Status, opportunity, and challenge	Gupta S.K., Mao Y.	Chemical Sciences	Progress in Materials Science	2021	191	40
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	67	0
Design, fabrication and characterization of neutron irradiation facility using accelerator-based photoneutron source	Eshwarappa K.M., Sanjeev G., Siddappa K., Kashyap Y., Sinha A.	Physical Sciences	Progress in Nuclear Energy	2021	67	0
A conceptual methodology for site exclusion boundary and site large early release frequency for multi-unit nuclear power plants site	Prasad M., Vinod G., Chattopadhyay J.	Engineering Sciences	Progress in Nuclear Energy	2021	67	0
Characterization of siliceous cake for the beneficiation of 231Pa	Dalvi A.A., Remya Devi P.S., Singh V., Tewari R., Verma R., Swain K.K.	Chemical Sciences;Engineering Sc	Progress in Nuclear Energy	2021	67	0
Influence of Passive Containment Cooling System on containment thermal hydraulic transients during a postulated severe accident	Adinarayana K.N.V., Ali S.M.	Chemical Sciences	Progress in Nuclear Energy	2021	67	2
Irradiation in BCC materials: Defect-induced changes of the effective dislocation mobility and their relation with the dose-dependent fracture response	Singh K., Robertson C., Bhaduri A.K.	Engineering Sciences	Progress in Nuclear Energy	2021	67	0
Validation of a modified FLEXPART model for short-range radiological dispersion and dose assessments in ONERS Decision Support System	Rakesh P.T., Reddy B.R., Srinivas C.V., Shekhar S.S.R., Venkatesan R., Gopalakrish	Physical Sciences	Progress in Nuclear Energy	2021	67	1
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	67	1
Studies on chemical state of uranium in modified sodium borosilicate glass using X-ray photoelectron spectroscopy and X-ray absorption spectroscopy	Praveena N., Jena H., Bera S., Kumar R., Jha S.N., Bhattacharyya D.	Chemical Sciences;Physical Scien	Progress in Nuclear Energy	2021	67	2
Robust-optimal integrated control design technique for a pressurized water-type nuclear power plant	Vaipayee V., Becerra V., Bausch N., Deng J., Shimjith S.R., Arul A.J.	Engineering Sciences	Progress in Nuclear Energy	2021	67	9
Fabrication of a robust graphene oxide-nano SiO2-polydimethylsiloxane composite coating on carbon steel for marine applications	Jena G., George R.P., Philip J.	Physical Sciences	Progress in Organic Coatings	2021	115	6
Graphene oxide/polvinylpyrrolidone composite coating on 316L SS with superior antibacterial and anti-biofouling properties	Jena G., Sofia S., Anandkumar B., Vanithakumari S.C., George R.P., Philip J.	Chemical Sciences;Physical Scien	Progress in Organic Coatings	2021	115	7
Combined 177Lu-PSMA-617 PRLT and abiraterone acetate versus 177Lu-PSMA-617 PRLT monotherapy in metastatic castration-resistant prostate cancer: An observation	Suman S., Parghane R.V., Joshi A., Prabhash K., Talole S., Basu S.	Medical and Health Sciences	Prostate	2021	128	0
Structure-guided protein engineering of human cathepsin L for efficient collagenolytic activity	Choudhury D., Biswas S.	Life Sciences	Protein Engineering, Design and Selection	2021	112	0
Target highlights in CASP14: Analysis of models by structure providers	Alexander L.T., Lepore R., Kryshtafovych A., Adamopoulos A., Alahuhta M., Arvin	Life Sciences	Proteins: Structure, Function and Bioinformatics	2021	194	2
MD simulation reveals differential binding of Cm(III) and Th(IV) with serum transferrin at acidic pH	Mishra L., Sundararajan M., Bandyopadhyay T.	Chemical Sciences	Proteins: Structure, Function and Bioinformatics	2021	194	1
Pinta: The uGMRT data processing pipeline for the Indian Pulsar Timing Array	Susobhanan A., Maan Y., Joshi B.C., Prabu T., Desai S., Nobleson K., Susarla S.C.	Physical Sciences	Publications of the Astronomical Society of Australia	2021	67	5
Protocol for unambiguous quantum state discrimination using quantum coherence	Kim S., Li L., Kumar A., Xiong C., Das S., Sen U., Pati A.K., Wu J.	Physical Sciences	Quantum Information and Computation	2021	68	2
Iaea contribution to the development of 64cu radiopharmaceuticals for theranostic applications	Jalilian A.R., Osso J.A., Jr., Vera-Araujo J., Kumar V., Harris M.J., Gutfilen B., Guél	Chemical Sciences	Quarterly Journal of Nuclear Medicine and Molecular Imag	2021	62	3
Effect of temperature on performance of Boron Trifluoride (BF3) gas-based neutron proportional counters	Desai S.S., Rao M.N.	Physical Sciences	Radiation Measurements	2021	99	0
A novel external beam radiotherapy method for cervical cancer patients using virtual straight or bending boost areas; an in-silico feasibility study	Cozzi L., Beriwal S., Kuusela E., Chopra S., Burger H., Joubert N., Fogliata A., Agar	Medical and Health Sciences	Radiation Oncology	2021	78	0
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.	Physical Sciences	Radiation Physics and Chemistry	2021	86	2
Radiation processing of ptyllium and its application in development of low glycaemic food	Mallikarjunan N., Deshpande R., Jamdar S.N.	Life Sciences	Radiation Physics and Chemistry	2021	86	0
Cosmic ray neutron spectrometry and dosimetry at High Altitude Research Laboratory, Gulmarg, Kashmir, India	Dawn S., Chatterjee S., Chakrabarty S., Mufti S., Bakshi A.K., Sapra B.K.	Physical Sciences	Radiation Physics and Chemistry	2021	86	1
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., Sagdeo A., Neogy S.	Engineering Sciences;Physical Sci	Radiation Physics and Chemistry	2021	86	1
Low cost highly efficient natural polymer-based radiation grafted adsorbent-I: Synthesis and characterization	Kumar S., Tiwari A., Chaudhari C.V., Bhardwaj Y.K.	Chemical Sciences	Radiation Physics and Chemistry	2021	86	1
Poly(sulfone-carbonate-carborane) copolymers for rapid revelation of thermal neutron induced alpha tracks	Pawar V.M., Pal R., Bakshi A.K., Nadkarni V.S.	Physical Sciences	Radiation Physics and Chemistry	2021	86	1
Phase transformations in radiolytically formed manganese nano-oxide	Puspalata R., Mal D., Balaji V., Chandramohan P., Amirthapandian S., Ganesan R	Chemical Sciences	Radiation Physics and Chemistry	2021	86	0
Thermoluminescence dosimetric characteristics of terbium doped barium metaborate phosphors	Jakathamani S., Annalakshmi O., Jose M.T., Venkatraman B.	Physical Sciences	Radiation Physics and Chemistry	2021	86	4
The adequacy of energy deposition over thermodynamic behaviour in explaining the acoustic energy in bubble nucleation of superheated droplets	Sahoo S., Das M.	Physical Sciences	Radiation Physics and Chemistry	2021	86	1
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	86	2
NATURALLY OCCURRING RADIONUCLIDE 40K BODY CONTENT OF KARAPAR GUJARAT SITE POPULATION	Jha B.K., Patra A.K., Waghs S.S., Saradhi I.V., Kumar A.V.	Engineering Sciences	Radiation protection dosimetry	2021	74	0
MODELING and EXPERIMENTS to ESTIMATE RADON EMANATION FACTOR in SOIL-GRAIN SIZE and MOISTURE EFFECT	Chitra N., Bala Sundar S., Inigo Valan I., Subramanian V., Jose M.T., Venkatraman	Physical Sciences	Radiation Protection Dosimetry	2021	74	0
Quantification of back diffusion in radon and thoron exhalation rate measurements	Chitra N., Bala Sundar S., Subramanian V., Jose M.T., Baskaran R., Venkatraman	Physical Sciences	Radiation Protection Dosimetry	2021	74	1
NEW AMS 14C DATES of A MULTICULTURAL ARCHAEOLOGICAL SITE from the PALEO-DELTAIC REGION of WEST BENGAL, INDIA: CULTURAL and GEO-ARCHAEOLOGICAL I	Naskar N., Gangopadhyay K., Lahiri S., Chaudhuri P., Sharma R., Kumar P., Ojha S	Chemical Sciences	Radiocarbon	2021	86	0
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	68	0
Uncertainty propagation in Pu isotopic composition calculation by gamma spectrometry: Theory versus experiment	Sarkar A.	Chemical Sciences	Radiochimica Acta	2021	68	1
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., Huskens J., Verboom W.	Chemical Sciences	Radiochimica Acta	2021	68	2
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	68	0
Third phase formation behaviour of tris(2-methylbutyl) phosphate and tri-n-alkyl phosphates in the extraction of mineral acids and tetravalent metal ions	Sarkar S., Suresh A., Sivaraman N.	Chemical Sciences	Radiochimica Acta	2021	68	1
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	68	3
Aortic fistulas: Pathophysiologic features, imaging findings, and diagnostic pitfalls	Gulati A., Kapoor H., Donuru A., Gala K., Parekh M.	Medical and Health Sciences	Radiographics	2021	181	0
Microdosimetry-based relative biological effectiveness calculations for radiotherapeutic electron beams: a FLUKA-based study	Chattaraj A., Selvam T.P.	Physical Sciences	Radiological Physics and Technology	2021	23	0
Validation and applicability of para-aortic lymph nodal contouring atlas in cervical cancer	Srinivasan S., Gurram L., Johnny C., Chopra S., Dheera A., Baheti A., Popat P., Sal	Medical and Health Sciences	Radiotherapy and Oncology	2021	163	1
Outcomes of osteosarcoma, chondrosarcoma and chordoma treated with image guided-intensity modulated radiation therapy	Laskar S., Kakoti S., Khanna N., Manjali J.J., Mangai A., Puri A., Gulia A., Nayak P.	Medical and Health Sciences	Radiotherapy and Oncology	2021	163	0
Risk factors for nodal failure after radiochemotherapy and image guided brachytherapy in locally advanced cervical cancer: An EMBRACE analysis	Peters M., de Leeuw A.A.C., Nomden C.N., Tanderup K., Kirchheiner K., Lindegaa	Medical and Health Sciences	Radiotherapy and Oncology	2021	163	4
IBS-GEC ESTRO-ABS recommendations for CT based contouring in image guided adaptive brachytherapy for cervical cancer	Mazeron R., Fokdal L.U., Kirchheiner K., Georg P., Jastaniah W., Grover S., Lavanya G., Rai B., Petric P.	Medical and Health Sciences	Radiotherapy and Oncology	2021	163	13
Risk factors and dose-effects for bladder fistula, bleeding and cystitis after radiotherapy with imaged-guided adaptive brachytherapy for cervical cancer: An EMBRACE ana	Spampinato S., Fokdal L.U., Pötter R., Haie-Meder C., Lindegaard J.C., Schmid M.	Medical and Health Sciences	Radiotherapy and Oncology	2021	163	11
Importance of the ICRU bladder point dose on incidence and persistence of urinary frequency and incontinence in locally advanced cervical cancer: An EMBRACE analysis	Spampinato S., Fokdal L.U., Pötter R., Haie-Meder C., Lindegaard J.C., Schmid M.	Medical and Health Sciences	Radiotherapy and Oncology	2021	163	12
Results of image guided brachytherapy for stage IB cervical cancer in the RetroEMBRACE study	Petric P., Lindegaard J.C., Sturdza A., Fokdal L., Kirchheiner K., Tan L.T., Schmid M	Medical and Health Sciences	Radiotherapy and Oncology	2021	163	2
Arithmetic behaviour of Hecke eigenvalues of Siegel cusp forms of degree two	Gun S., Kohnen W., Paul B.	Mathematical Sciences	Ramanujan Journal	2021	37	1
Mod p modular forms and simple congruences	Meher J., Singh S.K.	Mathematical Sciences	Ramanujan Journal	2021	37	0
Fibromatoses of head and neck: Case series and literature review	Bhati M., Balakrishna G., Joshi K., Bhattacharya K., Bal M., Laskar S.G., Sinha S.,	Medical and Health Sciences	Rambam Maimonides Medical Journal	2021	6	0
Polymeric nanoassembly of imine functionalized magnetite for loading copper salts to catalyze Henry and A3-coupling reactions	Rathod P.B., Kumar K.S.A., Athawale A.A., Pandey A.K.	Chemical Sciences	Reactive and Functional Polymers	2021	104	2
Second-order Saddle Dynamics in Isomerization Reaction	Rashmi R., Yadav K., Lourderaj U., Paranjothy M.	Chemical Sciences	Regular and Chaotic Dynamics	2021	36	2
Euclidean algorithm in Galois quartic fields	Srinivas K., Subramani M., Sangale U.K.	Mathematical Sciences	Rendiconti del Circolo Matematico di Palermo	2021	25	0
Chronological development of innovations in reflector systems of parabolic trough solar collector (PTC) - A review	Gharat P.V., Bhalekar S.S., Dabke P.V., Panse S.V., Deshmukh S.P., Joshi J.B.	Engineering Sciences	Renewable and Sustainable Energy Reviews	2021	137	6
In-vivo dose measurements with MOSFET dosimeters during MV portal imaging	Kumar S., Singh R.R., Godson H.F., Ponmalar R., Ravindran P., Sharma S.D., John	Medical and Health Sciences	Reports of Practical Oncology and Radiotherapy	2021	28	1
Diffusion of confined fluids in microporous zeolites and clay materials	Mitra S., Smitra@barc.gov.in, Sharma V.K., Mukhopadhyay R.	Physical Sciences	Reports on Progress in Physics	2021	223	3
Bhargava's cube and black hole charges	Banerjee N., Bhand A., Dutta S., Sen A., Singh R.K.	Physical Sciences	Research in Mathematical Sciences	2021	17	0
N6-methyladenine and epigenetic immunity of Deinococcus radiodurans	Joshi S., Ujaoney A.K., Ghosh P., Deobagkar D.D., Basu B.	Life Sciences	Research in Microbiology	2021	108	2
Distinguishing newforms by their Hecke eigenvalues	Gun S., Murty V.K., Paul B.	Mathematical Sciences	Research in Number Theory	2021	8	0
Structure of Hermitian modular forms modulo p and some applications	Meher J., Singh S.K.	Mathematical Sciences	Research in Number Theory	2021	8	0
Mineralization of azodye effluent by electrolytic method	Ratanesh K., Wagh P.B., Ingale S.V., Joshi K.D.	Physical Sciences	Research Journal of Chemistry and Environment	2021	19	0
On the Diophantine Equation cx2+ p2m= 4 yn	Chakraborty K., Hoque A., Srinivas K.	Mathematical Sciences	Results in Mathematics	2021	36	3
Analysis and experiment on simultaneous measurement of strain and temperature by etched and un-etched FBG pair	Kumar J., Mahakud R., Kumar S., Saini P.K., Prakash O., Dixit S.K., Nakhe S.V.	Physical Sciences	Results in Optics	2021	NA	1
Color tuning from green to orange-red in SrBPO5: U2O2+/Pr3+ phosphor via energy transfer for solid-state lighting applications	Vinodkumar P., Jagannath G., Panda S., Padhi R.K., Madhusoodanan U., Panigrah	Chemical Sciences	Results in Physics	2021	69	3
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	167	0
Development of scanning system for industrial accelerator	Dhavale A.S., Sharma V., Sharma A.	Engineering Sciences	Review of Scientific Instruments	2021	167	0
Pitot probe response for pulsed supersonic gas flow characterization in beam profile monitor	Rosily S., Dikshit B., Krishnagopal S.	Engineering Sciences;Physical Sci	Review of Scientific Instruments	2021	167	2
Development of electronic record-keeping software for remote participation in Large Volume Plasma Device upgrade using Angular 2 and NodeJS web technologies	Sugandhi R., Soumya V., Jha M., Sanyasi A.K., Adhikari A., Awasthi L.M.	Physical Sciences	Review of Scientific Instruments	2021	167	0
Impurity toroidal rotation profile measurement using upgraded high-resolution visible spectroscopic diagnostic on ADITYA-U tokamak	Shukla G., Chowdhuri M.B., Shah K., Manchanda R., Ramaiya N., Tanna R.L., May	Physical Sciences	Review of Scientific Instruments	2021	167	3
Observations of visible argon line emissions and its spatial profile from Aditya-U tokamak plasma	Shah K., Ghosh J., Shukla G., Chowdhuri M.B., Manchanda R., Yadava N., Ramaiy	Physical Sciences	Review of Scientific Instruments	2021	167	3
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	167	0
Dual trace inter-pulse interferometer for measurement of phase stability of ultra short laser pulse train	Sharma A.K.	Physical Sciences	Review of Scientific Instruments	2021	167	0
Overview of ion chromatographic applications for the analysis of nuclear materials: Case studies	Parab H., Ramkumar J., Dudwadkar A., Kumar S.D.	Chemical Sciences	Reviews in Analytical Chemistry	2021	25	0
Transition metal compounds as solar selective material	Patil R.G., Yerokar A.N., Jogleka A.B., Panse S.V., Dalvi V.H., Shankarling G.S., D	Engineering Sciences	Reviews in Chemical Engineering	2021	50	1
Overview on cyanobacterial exopolysaccharides and biofilms: role in bioremediation	Potnis A.A., Raghavan P.S., Rajaram H.	Life Sciences	Reviews in Environmental Science and Biotechnology	2021	88	4
Optimal quantum tomography with constrained measurements arising from unitary bases	Chaturvedi S., Ghosh S., Parthasarathy K.R., Singh A.I.	Physical Sciences	Reviews in Mathematical Physics	2021	50	0
Generalized hypergeometric Bernoulli numbers	Chakraborty K., Komatsu T.	Mathematical Sciences	Revista de la Real Academia de Ciencias Exactas, Físicas y	2021	27	4
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., Panigrahi K.C.S.	Life Sciences;Physical Sciences	Rice Science	2021	33	0
Characterizing finite nilpotent groups associated with a graph theoretic equality	Panda R.P., Patra K.L., Sahoo B.K.	Mathematical Sciences	Ricerche di Matematica	2021	18	0
Network geometry and market instability	Samal A., Pharasi H.K., Ramaia S.J., Kannan H., Saucan E., Jost J., Chakraborti A.	Life Sciences	Royal Society Open Science	2021	59	5
Sub-nanograin metal based high efficiency multilayer reflective optics for high energies	Majhi A., Nayak M., Pradhan P.C., Jena S., Gome A., Singh M.N., Srivastava H., R	Physical Sciences	RSC Advances	2021	167	2
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., Kumari H.	Physical Sciences	RSC Advances	2021	167	2
Achieving highly efficient and selective cesium extraction using 1,3-di-octyloxycalix[4]arene-crown-6 inn-octanol based solvent system: experimental and DFT investigati	Patra K., Sadhu B., Sengupta A., Patil C.B., Mishra R.K., Kaushik C.P.	Chemical Sciences	RSC Advances	2021	167	2
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., Gawade R.L., Das D., Naik V.G., Bhosle A.A., Murali V.P., Maiti K.K.	Chemical Sciences	RSC Advances	2021	167	2
Exploring color tunable emission characteristics of Eu3+-doped La2(MoO4)3phosphors in the glass-ceramic form	Sahu M., Phatak N., Saxena M.K.	Chemical Sciences	RSC Advances	2021	167	6
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., Maji S., Brahmmanand	Chemical Sciences	RSC Advances	2021	167	4
The function of peptide-mimetic anionic groups and salt bridges in the antimicrobial activity and conformation of cationic amphiphilic copolymers	Bhat R., Foster L.L., Rani G., Vemparala S., Kuroda K.	Physical Sciences	RSC Advances	2021	167	2
MeFSAT: a curated natural product database specific to secondary metabolites of medicinal fungi	Vivek-Ananth R.P., Sahoo A.K., Kumaravel K., Mohanraj K., Samal A.	Life Sciences	RSC Advances	2021	167	4
Synthesis, structure and the Hirshfeld surface analysis of three novel metal-tricyanomethanide coordination complexes	Tiwari R.K., Shruti I., Behera J.N.	Chemical Sciences	RSC Advances	2021	167	2
Paracetamol and other acetanilide analogs as inter-molecular hydrogen bonding assisted diamagnetic CEST MRI contrast agents	Chakraborty S., Perumcheralathan S., Ghosh A.	Chemical Sciences	RSC Advances	2021	167	2
Controlling the aqueous growth of urea crystals with different growth inhibitors: a molecular-scale study	Singh M.K.	Physical Sciences	RSC Advances	2021	167	0
Impact of porous nanomaterials on inhibiting protein aggregation behaviour	Bardhan M., Dolui S., Chaudhuri S., Paul U., Bhattacharjee G., Ghosal M., Maiti N	Chemical Sciences;Life Sciences	RSC Advances	2021	167	2
Formulation and clinical translation of [177Lu]Lu-trastuzumab for radioimmunotherapeutics of metastatic breast cancer	Guleria M., Sharma R., Amirdhanayagam J., Sarma H.D., Rangarajan V., Dash A.,	Chemical Sciences;Medical and H	RSC Medicinal Chemistry	2021	62	3
Cut-cell-based Direct Simulation Monte Carlo method on a Cartesian grid for rarefied gas flow around complex geometries	Kumar V., Bhandarkar U.V., Singh R.K., Sharma A.	Physical Sciences	Sadhana - Academy Proceedings in Engineering Sciences	2021	52	0
Inhalational versus intravenous anesthetics during one lung ventilation in elective thoracic surgeries: A narrative review	Parab S., Gaikwad S., Majeti S.	Medical and Health Sciences	Saudi Journal of Anaesthesia	2021	27	0
Isotope and hydrochemical systematics of groundwater from a multi-tiered aquifer in the central parts of Indo-Gangetic Plains, India – Implications for groundwater susta	Keesari T., Sinha U.K., Saha D., Dwivedi S.N., Shukla R.R., Mohokar H., Roy A.	Chemical Sciences	Science of the Total Environment	2021	275	6
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, Kodgire P.	Life Sciences	Scientific Reports	2021	242	1
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., Potnis A., Chandwadkar	Engineering Sciences;Life Science	Scientific Reports	2021	242	0
Laser isotope separation of 176Lu through off-the-shelf lasers	Suryanarayana M.V., Sankar M.	Physical Sciences	Scientific Reports	2021	242	1
Production, stability and degradation of Trichoderma gliotoxin in growth medium, irrigation water and agricultural soil	Jayalakshmi R., Oviya R., Premalatha K., Mehetre S.T., Paramasivam M., Kannan	Life Sciences	Scientific Reports	2021	242	2
Refined premature chromosome condensation (G0-PCC) with cryo-preserved mitotic cells for rapid radiation biodosimetry	Yadav U., Bhat N.N., Shirsaath K.B., Mungse U.S., Sapra B.K.	Physical Sciences	Scientific Reports	2021	242	0
Grain size effect on the radiation damage tolerance of cubic zirconia against simultaneous low and high energy heavy ions: Nano triumphs bulk	Kalita P., Ghosh S., Gutierrez G., Rajput P., Grover V., Sattonnay G., Avasthi D.K.	Chemical Sciences	Scientific Reports	2021	242	3
Isotope separation of 176Lu a precursor to 177Lu medical isotope using broadband lasers	Suryanarayana M.V.	Physical Sciences	Scientific Reports	2021	242	2
Thiourea and hydrogen peroxide priming improved K+ retention and source-sink relationship for mitigating salt stress in rice	Panday D., Paladi R.K., Srivastava A.K., Suprasanna P.	Life Sciences	Scientific Reports	2021	242	3
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	242	5
Repeatability and reproducibility study of radiomic features on a phantom and human cohort	Jha A.K., Mithun S., Jaiswar V., Sherkhane U.B., Purandare N.C., Prabhash K., Rar	Medical and Health Sciences	Scientific Reports	2021	242	12
Thermal discharge-induced seawater warming alters richness, community composition and interactions of bacterioplankton assemblages in a coastal ecosystem	Rajeev M., Sushmitha T.J., Aravindraja C., Toleti S.R., Pandian S.K.	Life Sciences	Scientific Reports	2021	242	3
Universal quantum computing using single-particle discrete-time quantum walk	Singh S., Chawla P., Sarkar A., Chandrashekar C.M.	Physical Sciences	Scientific Reports	2021	242	3
Controlled creation and annihilation of isolated, robust, emergent, magnetic monopole like charged vertices in square artificial spin ice	Keswani N., Jenkins R.J., Nakajima Y., Singh R., Chauhan N., Som T., Kumar D.S.,	Physical Sciences	Scientific Reports	2021	242	1
Dynamic mode decomposition of inertial particle caustics in Taylor–Green flow	Samant O., Alageshan J.K., Sharma S., Kuley A.	Physical Sciences	Scientific Reports	2021	242	3
Large scale synthesis of copper nickel alloy nanoparticles with reduced compressibility using arc thermal plasma process	Das S.K., Das A., Gaboardi M., Pollastri S., Dhamale G.D., Balasubramanian C., Jo	Physical Sciences	Scientific Reports	2021	242	5
Role of FRG1 in predicting the overall survivability in cancers using multivariate based optimal model	Khan R., Palo A., Dixit M.	Life Sciences	Scientific Reports	2021	242	0
MicroRNAs modulate ethylene induced retrograde sign

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., Debnath A.K., Aswal D.K., Mah	Physical Sciences	Sensors and Actuators, B: Chemical	2021	211	13
An exceptionally intense turn-on fluorescence sensor in the far-red region for common milk allergen, β-lactoglobulin	Chakraborty G., Ray A.K., Singh P.K., Pal H.	Chemical Sciences	Sensors and Actuators, B: Chemical	2021	211	10
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	211	0
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., Valsala T.P., Sathe D.B.	Chemical Sciences	Separation and Purification Technology	2021	175	0
Dipicolinamide functionalized titania for highly efficient sorption of tetra and hexavalent actinide	Pahan S., Sengupta A., Musharaf Ali S., Debnath A.K., Banerjee D., Vincent T., Su	Chemical Sciences;Engineering Sc	Separation and Purification Technology	2021	175	1
Ruthenium speciation in radioactive wastes and state-of-the-art strategies for its recovery: A review	Verma P.K., Mohapatra P.K.	Chemical Sciences	Separation and Purification Technology	2021	175	3
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., Kaushik C.P.	Chemical Sciences;Engineering Sc	Separation and Purification Technology	2021	175	0
Ruthenium recovery from alkaline radioactive feeds using an extraction chromatography resin containing Aliquat 336	Verma P.K., Mohapatra P.K.	Chemical Sciences	Separation and Purification Technology	2021	175	1
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	175	5
Tuning the ion exchange behavior of cesium and strontium on sodium iron titanate	Amesh P., Venkatesan K.A., Suneesh A.S., Maheswari U.	Chemical Sciences	Separation and Purification Technology	2021	175	4
Anion assisted extraction of U(VI) in alkylimidazolium ionic liquid: Experimental and DFT studies	Venkateswara Rao C., Rout A., Boda A., Musharaf. Ali S., Venkatesan K.A.	Chemical Sciences	Separation and Purification Technology	2021	175	7
Unique Eu(III) transport selectivity seen using a supported liquid membrane containing a diglycolamide dendrimer ligand	Mahanty B., Mohapatra P.K., Leoncini A., Huskens J., Verboom W.	Chemical Sciences	Separation Science and Technology (Philadelphia)	2021	81	0
Computational fluid dynamics modeling of uranium(VI) transport through hollow fiber supported liquid membrane	Swain B., Singh K.K., Pabby A.K.	Chemical Sciences;Engineering Sc	Separation Science and Technology (Philadelphia)	2021	81	1
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	81	3
Separation of radio-chemically pure 106Ru from radioactive waste for the preparation of brachytherapy sources: an insight of process development study	Sinharoy P., Banerjee D., Manohar S., Kaushik C.P.	Chemical Sciences	Separation Science and Technology (Philadelphia)	2021	81	2
Kinetics of solvent extraction of zirconium from dilute acidic raffinate using TBP/n-dodecane	Dutta S., Bhaskarwar A.N., Mukhopadhyay S., Shenoy K.T.	Engineering Sciences	Separation Science and Technology (Philadelphia)	2021	81	0
Aggregation behavior of ionic liquid in molecular liquid medium: a dynamic light scattering study	Rao C.V., Rout A., Venkatesan K.A.	Chemical Sciences	Separation Science and Technology (Philadelphia)	2021	81	1
'Umbrella construct' – an innovative technique for reconstruction of the proximal humerus after curettage in locally aggressive benign bone tumours	Gulia A., Puri A., Gupta S., Kurisunkal V.	Medical and Health Sciences	Shoulder and Elbow	2021	20	0
Facile Reduction of Phosphine Oxides by O-Silylated Hydrazide Supported Hydrosilanes	Janardan S., Anand A.S.V., Suman P., Lone M.Y., Jha P.C., Rao C.V.S.B., Sivaramak	Chemical Sciences	Silicon	2021	34	0
Finite element method coupled with TLBO for shape control optimization of piezoelectric bimorph in COMSOL Multiphysics	Sumit, Shukla R., Sinha A.K.	Engineering Sciences	Simulation	2021	52	1
A case of a large solitary fibrous tumor in the thigh, displaying HAB2ex4-STA T6ex2 gene fusion	Rekhi B., Gupta A., Chakrabarty N., Nayak P.	Medical and Health Sciences	Skeletal Radiology	2021	94	0
Origin of Intense Luminescence from Supramolecular 2D Molecular Crystals	Biswas S., Manna G., Das B., Bhattacharya A., Pal A.K., Datta A., Alam P., Laskar	Physical Sciences	Small	2021	259	0
Magnetic field induced ferroelectric polarization voltage in compositional dependent (0-3) NFO/P(VDF-TrFE) nanocomposite film	Pradhan S., Deshmukh P., Khan A.A., Ahlawat A., Rai S.K., Satapathy S.	Physical Sciences	Smart Materials and Structures	2021	161	1
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., Chakraborty S.	Chemical Sciences;Physical Scien	SN Applied Sciences	2021	28	0
Hydrophilic-hydrophobic mixed micellar system: effect on solubilization of drug	Ezhilrani V.C., Karunanithi P., Sarangi B., Joshi R.G., Dash S.	Physical Sciences	SN Applied Sciences	2021	28	2
Filament-motor protein system under loading: instability and limit cycle oscillations	Sinha S., Ghosh S., Chaudhuri D.	Physical Sciences	Soft Materials	2021	27	1
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	180	5
Hydration influences on the phase heterogeneity of segmented copolymers	Edatholath S.S., Chandan M.R., Aswal V.K., Rath S.K., Harikrishnan G.	Physical Sciences	Soft Matter	2021	180	0
Two-step melting of the Weeks-Chandler-Anderson system in two dimensions	Khali S.S., Chakraborty D., Chaudhuri D.	Physical Sciences	Soft Matter	2021	180	4
A semiflexible polymer in a gliding assay: reentrant transition, role of turnover and activity	Shee A., Gupta N., Chaudhuri A., Chaudhuri D.	Physical Sciences	Soft Matter	2021	180	2
Effect of cholesterol on the membrane partitioning dynamics of hepatitis A virus-2B peptide	Sikdar S., Banerjee M., Vemparala S.	Physical Sciences	Soft Matter	2021	180	1
Towards designing globular antimicrobial peptide mimics: role of polar functional groups in biomimetic ternary antimicrobial polymers	Rani G., Kuroda K., Vemparala S.	Physical Sciences	Soft Matter	2021	180	5
Pattern formation, localized and running pulsation on active spherical membranes	Ghosh S., Gutti S., Chaudhuri D.	Physical Sciences	Soft Matter	2021	180	0
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	180	2
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 K., Adams C., Adhikari R	Engineering Sciences;Physical Sci	SoftwareX	2021	27	124
Improved photovoltaic performance of CdTe-based solar cells: Roles of using a hole-blocking layer and nanoscale imaging of barrier height at interfaces	Singh R., Dutta A., Basu N., Lahiri J., Som T.	Physical Sciences	Solar Energy	2021	194	4
Strongly antireflective nano-textured Ge surface by ion-beam induced self-organization	Datta D.P., Som T.	Physical Sciences	Solar Energy	2021	194	1
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	194	0
Spin flop type metamagnetic transition in polycrystalline GdFeO3	Paul P., Rajarajan A.K., Babu P.D., Chandrasekhar Rao T.V.	Physical Sciences	Solid State Communications	2021	134	1
Ultraviolet, blue and singular green upconversion from Gd2Hf2O7 nanocrystals through dopant manipulation	Gupta S.K., Penilla Garcia M.A., Mao Y.	Chemical Sciences	Solid State Communications	2021	134	0
Anharmonic phonons and anomalous thermal expansion of ZrTiO4	Mittal R., Gupta M.K., Singh B., Mishra S.K., Chaplot S.L.	Physical Sciences	Solid State Communications	2021	134	0
Hidden Fermi liquidity and topological criticality in the finite temperature Kitaev model	Pradhan S., Laad M.S., Ray A., Maitra T., Taraphder A.	Physical Sciences	Solid State Communications	2021	134	0
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., Greneche J.-M., Ningt	Chemical Sciences	Solid State Sciences	2021	93	0
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	93	1
Influence of V2O5 on a sealing glass and self-healing VB2-glass composites	Sharma K., Montagne L., Kothiyal G.P., Méar F.O.	Engineering Sciences	Solid State Sciences	2021	93	0
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., Singh D.K., Kain V.	Chemical Sciences;Engineering Sc	Solid State Sciences	2021	93	1
Possibility of relaxor-type ferroelectricity in delafossite CuCrO2 near room temperature	Pokhriyal P., Bhakar A., Singh M.N., Srivastava H., Rajput P., Sagdeo P., Srivastav	Physical Sciences	Solid State Sciences	2021	93	2
Structure and ionic conductivity of Na3+xSc2SixP3-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., Yusuf S.M., Hathwar V	Physical Sciences	Solid State Sciences	2021	93	3
Deciphering the site occupancy and photoluminescence character of Sm3+ in dense-packed Ca3MgSi2O8 nanocrystals using time-resolved emission spectroscopy	Padhi R.K., Vinodkumar P., Panda S., Panigrahi B.S.	Chemical Sciences	Solid State Sciences	2021	93	3
Distorted octahedra induced anisotropic strain and local disorder in delafossite CuCrO2	Pokhriyal P., Kumar A., Singh M.N., Sagdeo P., Sinha A.K., Sagdeo A.	Physical Sciences	Solid State Sciences	2021	93	2
New route to estimate the Mott-Hubbard and charge transfer parameters: An optical and x-ray absorption studies	Kumar A., Warshi M.K., Sagdeo A., Gupta M., Sagdeo P.R.	Physical Sciences	Solid State Sciences	2021	93	8
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., Valsala T.P., Sathe D.B.,	Chemical Sciences	Solvent Extraction and Ion Exchange	2021	67	2
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	67	0
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	67	6
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	67	1
Hydrodynamic Properties of Tris(2-methylbutyl) Phosphate and Tri-n-alkyl Phosphates in n-Dodecane–A Comparative Investigation between Unirradiated and Gamma Ir	Dutta S., Rajeswari S., Suresh A., Sivaraman N.	Chemical Sciences	Solvent Extraction and Ion Exchange	2021	67	0
Demonstration of Aqueous Reprocessing of U-Zr and U-Pu-Zr Metallic Alloy Fuels Using an Ejector Mixer-settler with Tri-n-Butyl Phosphate (TBP) as the Extractant	Sreenivasulu B., Rajeswari S., Suresh A., Sivaraman N.	Chemical Sciences	Solvent Extraction and Ion Exchange	2021	67	3
Unravelling the nature of intra-molecular hydrogen bonds in curcumin using in-situ low temperature spectroscopic studies	Bhatt H., Thomas S., Vishwakarma S.R.	Physical Sciences	Spectrochimica Acta - Part A: Molecular and Biomolecular	2021	132	1
SrBPO5: Ce3+, Dy3+ – A cold white-light emitting phosphor	Vinodkumar P., Panda S., Jaiganesh G., Padhi R.K., Madhusoodanan U., Panigrah	Chemical Sciences	Spectrochimica Acta - Part A: Molecular and Biomolecular	2021	132	5
Fluorescence photobleaching of urine for improved signal to noise ratio of the Raman signal – An exploratory study	Dutta S.B., Krishna H., Khan K.M., Gupta S., Majumder S.K.	Physical Sciences	Spectrochimica Acta - Part A: Molecular and Biomolecular	2021	132	2
Diagnostic and prognostic application of Raman spectroscopy in carcinoma cervix: A biomolecular approach	Srivastava A., Aggarwal L.M., Murali Krishna C., Pradhan S., Mishra S.P., Chouds	Life Sciences	Spectrochimica Acta - Part A: Molecular and Biomolecular	2021	132	3
Graphite furnace atomic absorption spectrometric studies for the quantification of trace and ultratrace impurities in the semiconductor grade organic chemicals such as t	Reddy M.A., Shekhar R., Sahayam A.C., Jain P.	Chemical Sciences	Spectrochimica Acta - Part B Atomic Spectroscopy	2021	117	0
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	117	1
Total reflection X-ray fluorescence analysis of high purity quartz: A bottom-up approach of uncertainty evaluation	Remya Devi P.S., Chavan T.A., Ghosh M., Swain K.K.	Chemical Sciences	Spectrochimica Acta - Part B Atomic Spectroscopy	2021	117	0
Enhanced laser induced breakdown spectroscopy signal intensity in colloids: An application for estimation of Cu and Cr in aqueous solution	Maji S., Kumar S., Sundararajan K.	Chemical Sciences	Spectrochimica Acta - Part B Atomic Spectroscopy	2021	117	3
Measurement of M subshell X-ray fluorescence parameters of lead and bismuth using 7 keV synchrotron radiation	Hiremath G.B., Vinayak A., Hosamani M.M., Badiger N.M., Tiwari M.K.	Physical Sciences	Spectroscopy Letters	2021	39	0
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	7	0
Protocol for induction and characterization of microglia extracellular traps in murine and human microglia cells	Agrawal I., Sharma N., Saxena S., Arvind S., Chakraborty D., Chakraborty D.B., Jh	Medical and Health Sciences	STAR Protocols	2021	7	0
Assessment of Notch Effect Based on Finite Element Analysis and Digital Image Correlation Technique	Kumar A., Chaitanya G.M.S.K., Goyal S., Goswami M., Kumar A., Ul Harmain G.A	Engineering Sciences	Steel Research International	2021	55	1
Emerging roles of bromodomain protein 4 in regulation of stem cell identity	Dey A., Uppal S., Giri J., Misra H.S.	Life Sciences	Stem Cells	2021	236	2
Detection of nitrobenzene using transition metal doped C24: A DFT study	Paul D., Vaidyanathan A., Sastry U., Chakraborty B.	Physical Sciences	Structural Chemistry	2021	48	3
Influence of thermal expansion bend and tubesheet geometry on guided wave inspection of steam generator tubes of a fast breeder reactor	Narayanan M.M., Arjun V., Kumar A.	Engineering Sciences	Structural Health Monitoring	2021	70	0
Structure soil structure interaction of conventional and base-isolated building subjected to real earthquake	Bandyopadhyay S., Parulekar Y.M., Sengupta A., Chattopadhyay J.	Engineering Sciences	Structures	2021	29	1
Ab-initio electronic structure simulations of transition metal doped Bi2Se3 topological insulator	Kumar R., Bhattacharyya D.	Physical Sciences	Superlattices and Microstructures	2021	80	1
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	182	1
Laser patterned titanium surfaces with superior antibacterial properties, self-cleaning and durability: Role of line spacing	Vanithakumari S.C., Ambar Kumar C., Thinaharan C., Ram Kishor G., George R.P.	Physical Sciences	Surface and Coatings Technology	2021	182	6
Plasma sprayed alumina-yttria composite ceramic coating for electrical insulation applications	Varghese P., Vetrivendan E., Krishnan R., Mathews T., Ningshen S.	Chemical Sciences;Physical Scien	Surface and Coatings Technology	2021	182	3
Self-cleaning and bouncing behaviour of ion irradiation produced nanostructured superhydrophobic PTFE surfaces	Pachchigar V., Ranjan M., Sooraj K.P., Augustine S., Kumawat D., Tahiliani K., Mu	Physical Sciences	Surface and Coatings Technology	2021	182	3
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., Bhattacharya D.	Physical Sciences	Surface and Interface Analysis	2021	93	2
Study of Adsorption of H2, CO and NO Gas Molecules on Molybdenum Sulfide and Tungsten Sulfide Monolayers from First-Principles Calculations	Pandey D., Gangwar R., Bhattacharya J., Chakrabarti A.	Physical Sciences	Surface Science	2021	204	0
Interface modification of Fe/Cr/Al magnetic multilayer by swift heavy ion irradiation	Rajput P., Kumar M., Singh U.B., Potdar S., Gome A., Reddy V.R., Bhattacharyya	Physical Sciences	Surfaces and Interfaces	2021	35	1
Defect depth profiling of sputter-deposited Cu/Nb bilayers using a positron accelerator	Maheshwari P., Bhattacharya D., Pujari P.K.	Chemical Sciences;Physical Scien	Surfaces and Interfaces	2021	35	0
Fabrication of rGO/NiS/AuNCs ternary nanocomposite modified electrode for electrochemical sensing of Cr(VI) at utra-trace level	Sahoo S., Satpati A.K.	Chemical Sciences	Surfaces and Interfaces	2021	35	3
Magnetic CoFe2O4/Graphene oxide nanocomposite for highly efficient separation of f-block elements	Gupta N.K., Vilfres H., López Y.C., Salunkhe G., Sengupta A.	Chemical Sciences	Surfaces and Interfaces	2021	35	5
Inorganic nanopartcle embedded Polydimethyl siloxane nanocomposites for biofouling mitigation	Padmavathi A.R., Murthy P.S., Das A., Veeramani P., Rao T.S.	Chemical Sciences;Life Sciences	Surfaces and Interfaces	2021	35	1
Oxidation protective coating of Y2O3-Na2SiO2x+1 composite on graphite crucible for high temperature applications	Mukherjee S., Das S., Jain L.M., Ghosh P.	Chemical Sciences	Surfaces and Interfaces	2021	35	0
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	35	0
Transition of nano-ripple to nano-hillock pattern on ion bombarded Si with an enhanced hydrophobicity	Deka A., Barman P., Mukhopadhyay M.K., Bhattacharyya S.R.	Physical Sciences	Surfaces and Interfaces	2021	35	3
Evidence Map of Pancreatic Surgery–A living systematic review with meta-analyses by the International Study Group of Pancreatic Surgery (ISGPS)	Probst P., Hüttner F.J., Meydan Ö., Abu Hilal M., Adham M., Barreto S.G., Bessel	Medical and Health Sciences	Surgery (United States)	2021	169	5
Promoting surgical research in the Global South	Are C., Senthil M., Jayaryaman S., Wenos C., Pramesh C.S., D'Ugo D., Charles A.	Medical and Health Sciences	Surgery (United States)	2021	169	3
Neoadjuvant therapy in borderline resectable pancreatic cancer: Outcomes in the era of changing practices and evolving evidence	Chaudhari V.A., Mitra A., Gupta V., Ostwal V., Ramaswamy A., Engineer R., Srok	Medical and Health Sciences	Surgery (United States)	2021	169	0
Cancer related nutritional and inflammatory markers as predictive parameters of immediate postoperative complications and long-term survival after hepatectomies	Solanki S.L., Kaur J., Gupta A.M., Patkar S., Joshi R., Ambulkar R.P., Patil A., Goel	Medical and Health Sciences	Surgical Oncology	2021	66	0
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	49	7
Cobalt pyrophosphate (Co2P2O7) derived from an open-framework cobalt phosphite: a durable electroactive material for electrochemical energy conversion and storage	Padhy A., Samantara A.K., Behera J.N.	Chemical Sciences	Sustainable Energy and Fuels	2021	49	2
Metal-organic framework (MOF)-derived amorphous nickel boride: an electroactive material for electrochemical energy conversion and storage application	Tripathy R.K., Samantara A.K., Behera J.N.	Chemical Sciences	Sustainable Energy and Fuels	2021	49	10
Circuit complexity from cosmological islands	Choudhury S., Chowdhury S., Gupta N., Mishara A., Selvam S.P., Panda S., Pasqu	Physical Sciences	Symmetry	2021	64	14
Bismuth mediated barbier synthesis of α-homoallylic alcohols via a sigmatropic rearrangement in [bmim][HSO4]	Chatterjee S., Dey P., Kanojia S.V., Chattopadhyay S., Goswami D.	Chemical Sciences	Synthetic Communications	2021	76	0
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., Saxena M.K.	Engineering Sciences;Physical Sci	Talanta	2021	170	3
Nd(III) hypersensitive peak as an optical absorption probe for determining nitric acid in aqueous solution: An application to aqueous raffinate solutions in nuclear reproce	Kumar S., Maji S., Sundararajan K.	Chemical Sciences	Talanta	2021	170	2
Advanced switching DE algorithm based PTS companding technique for PAPR reduction in OFDM systems	Rakshit M., Bhattacharjee S., Garai G., Chakrabarti A.	Life Sciences	Telecommunication Systems	2021	54	1
Understanding water mediated proton migration in dimethylacetamide: Proton atoms into C–N bond to form β-amino adducts	Rathod P.B., Kumar K.S.A., Athawale A.A., Gopakumar G., Rao C.V.S.B., Pandey A	Chemical Sciences	Tetrahedron	2021	226	0
Manganese(I) catalyzed cross-coupling of secondary allylic alcohols and primary alcohols	Pandia B.K., Pattanaik S., Gunanathan C.	Chemical Sciences	Tetrahedron	2021	226	1
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., Shaikh H.K.A., Shastri	Life Sciences;Medical and Health	The BMJ	2021	453	32
Factors influencing local and distant recurrence following resection of periampullary cancer	Bhandare M.S., Mondal A., Chaudhari V., Bal M., Yadav S., Ramaswamy A., Ostw	Medical and Health Sciences	The British journal of surgery	2021	210	1
Vaccine efficacy against persistent human papillomavirus (HPV) 16/18 infection at 10 years after one, two, and three doses of quadrivalent HPV vaccine in girls in India: a	Basu P., Malvi S.G., Joshi S., Bhatla N., Muwonge R., Lucas E., Verma Y., Esmy P.	Life Sciences;Medical and Health	The Lancet Oncology	2021	355	17
Access to cancer medicines deemed essential by oncologists from 82 countries: an international, cross-sectional survey	Fundytus A., Sengar M., Lombe D., Hopman W., Jalink M., Gyawali B., Trapani D.	Medical and Health Sciences	The Lancet Oncology	2021	355	9
The International Collaboration for Research methods Development in Oncology (CReDO) workshops: shaping the future of global oncology research	Ranganathan P., Chinnaswamy G., Sengar M., Gadgil D., Thiagarajan S., Bhargav	Medical and Health Sciences	The Lancet Oncology	2021	355	5
Impact of COVID-19 on cancer care in India: a cohort study	Ranganathan P., Sengar M., Chinnaswamy G., Agrawal G., Arumugham R., Bhatt	Medical and Health Sciences	The Lancet Oncology	2021	355	30
Chemotherapy and radiotherapy in locally advanced head and neck cancer: an individual patient data network meta-analysis	Petit C., Lacas B., Pignon J.-P., Le Q.T., Grégoire V., Grau C., Hackshaw A., Zackris	Medical and Health Sciences	The Lancet Oncology	2021	355	11
MRI-guided adaptive brachytherapy in locally advanced cervical cancer (EMBRACE-I): a multicentre prospective cohort study	Pötter R., Tanderup K., Schmid M.P., Jürgenliemk-Schulz I., Haie-Meder C., Fokdal	Medical and Health Sciences	The Lancet Oncology	2021	355	85
Spatial, temporal, and demographic patterns in prevalence of smoking tobacco use in 204 countries and territories, 1990-2019: A systematic analysis from the Global Bu	Kendrick P.J., Reitsma M.B., Abbasi-Kangevari M., Abdoli A., Abdollahi M., Abeso	Medical and Health Sciences	The Lancet Public Health	2021	62	8
Fracture initiation in a single crystal copper edge-crack specimen for various crystallographic orientations	Paik S., Dutta B.K., Kumar N.N., Tewari R.	Engineering Sciences	Theoretical and Applied Fracture Mechanics	2021	65	2
Balanced stable marriage: How close is close enough?	Gupta S., Roy S., Saurabh S., Zehavi M.	Mathematical Sciences	Theoretical Computer Science	2021	119	0
Parameterized complexity of fair feedback vertex set problem	Kanesh L., Maity S., Muluk K., Saurabh S.	Mathematical Sciences	Theoretical Computer Science	2021	119	0
Paths to trees and cacti	Agrawal A., Kanesh L., Saurabh S., Tale P.	Mathematical Sciences	Theoretical Computer Science	2021	119	0
Geometric planar networks on bichromatic collinear points	Bandyapadhyay S., Banik A., Bhore S., Nöllenburg M.	Mathematical Sciences	Theoretical Computer Science	2021	119	0
Voronoi game on polygons	Banik A., Das A.K., Das S., Maheshwari A., Sarvottamananda	Mathematical Sciences	Theoretical Computer Science	2021	119	0
Parameterized Complexity of Conflict-Free Set Cover	Jacob A., Majumdar D., Raman V.	Mathematical Sciences	Theory of Computing Systems	2021	42	1
Validation of a novel causality assessment scale for adverse events in non-small cell lung carcinoma patients treated with platinum and pemetrexed doublet chemothera	Sharma J.B., Krishnamurthy M.N., Awase A., Joshi A., Patil V., Noronha V., Prabh	Life Sciences;Medical and Health	Therapeutic Advances in Drug Safety	2021	37	0
Understanding uranium interactions with bismuth and lead-bismuth eutectic: Using calorimetric measurements	Agarwal R.	Chemical Sciences	Thermochimica Acta	2021	142	1
Thermal stability assessment of a completely incinerable ionic liquid in presence of nitric acid – A calorimetric study	Rout A., Chandran K., Lavanya M., Ramanathan N.	Chemical Sciences	Thermochimica Acta	2021	142	1
Studies on rhenium (Re) solubility and heat capacity measurements onCa10-xRex(PO4)6(OH)2±δ, x= 0 to 0.7for radwaste immobilization	Shirley Auxilia L., Jena H., Senapati A., Sudha R.	Chemical Sciences	Thermochimica Acta	2021	142	0
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., Jha S.N.	Physical Sciences	Thin Solid Films	2021	199	1
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 P.K., Bhattacharyya D.	Physical Sciences	Thin Solid Films	2021	199	0
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	199	0
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., Dusane R.O.	Engineering Sciences	Thin Solid Films	2021	199	0
Electrochemical behavior of nickel containing passive oxide films on carbon steel in alkaline medium	Suresh S., Palogi C., Bera S., Srinivasan R.	Physical Sciences	Thin Solid Films	2021	199	2
Role of ion irradiation induced defects in thermoelectric transport properties of Bi2Te3 thin films	M S., Amirthapandian S., Magudapathy P., Masarat A., Krishnan R., Srivastava S.	Physical Sciences	Thin Solid Films	2021	199	1
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., Rangarajan S., Albert S.K.	Chemical Sciences;Engineering Sc	Transactions of the Indian Institute of Metals	2021	35	0
Experimental Investigation of the Evolution of Fuel Clad Ballooning Using Real-Time X-ray Imaging and Its Microstructural Studies	Sarkar R., Vijayanand V.D., Acharya A.K., Sharma A.K., Suresh Kumar R., Prasad	Engineering Sciences	Transactions of the Indian Institute of Metals	2021	35	0
Development and Deployment of Welding Technique for the Indian Sodium-Cooled Fast Reactor and Advanced Ultra-supercritical Thermal Power Programmes	Bhaduri A.K.	Engineering Sciences	Transactions of the Indian Institute of Metals	2021	35	1
Comparative Study on Using Ultrasonic Array-Based Techniques for Detection of Flaws in Thick and Attenuating Materials	Sumana, Ponseenivasan S., Kumar A.	Engineering Sciences	Transactions of the Indian Institute of Metals	2021	35	1
Characterization of Interfacial Microstructure and Mechanical Properties of the Diffusion Bonded CP-Ti to AISI 304L Stainless Steel	Sunilkumar D., Dey H.C., Albert S.K., Shaikh H., Arvinth Davinci M., Murugesan S.	Engineering Sciences	Transactions of the Indian Institute of Metals	2021	35	2
Characterization and Optimization of Slurry Erosion Behavior of SS 316 at Room Temperature	Vyas A., Menghani J., Patel P., More S., Paul C.P., Patnaik A., Ingole S.P.	Engineering Sciences	Transactions of the Indian Institute of Metals	2021	35	2
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 P., Poojary M.	Medical and Health Sciences	Transfusion and Apheresis Science	2021	60	5
Systematic review and meta-analysis of diagnostic test accuracy tests testing the efficacy of convalescent plasma in the treatment of coronavirus disease 2019	Bhandari S., Gupta T., Kannan S., Rajiah B., Thakkar P.	Medical and Health Sciences	Transfusion Medicine	2021	61	5
Prognosis of metastasis based on age and serum analytes after follow-up of non-metastatic lung cancer patients	Balla M.M.S., Patwardhan S., Melwani P.K., Purwar P., Kumar A., Pramesh C.S.,	Life Sciences;Medical and Health	Translational Oncology	2021	59	1
Predicting response to platinum and non-platinum drugs through bioluminescence resonance energy transfer (BRET) based bio-molecular interactions in platinum resista	Bishnu A., Mehrotra M., Dhadve A., Dimri S., De A., Ray P.	Life Sciences	Translational Oncology	2021	59	0
Weekly osimertinib dosing prevents EGFR mutant tumor cells destined to home mouse lungs	Butle A., Joshi A., Noronha V., Prabhash K., Dutt A.	Life Sciences;Medical and Health	Translational Oncology

Estimation of the National Surgical Needs in India by Enumerating the Surgical Procedures in an Urban Community Under Universal Health Coverage	Bhandarkar P., Gadgil A., Patil P., Mohan M., Roy N.	Medical and Health Sciences	World Journal of Surgery	2021	155	3
Upfront Therapy of Aggressive/High-Risk Low-Grade Glioma: Single-Institution Outcome Analysis of Temozolomide-Based Radio-Chemotherapy and Adjuvant Chemothe	Anand S., Chatterjee A., Gupta T., Panda P., Moiyadi A., Epari S., Patil V., Krishna	Medical and Health Sciences	World Neurosurgery	2021	101	0
Analysis of Factors Associated with Long-Term Survival in Patients with Glioblastoma	Madhugiri V.S., Moiyadi A.V., Shetty P., Gupta T., Epari S., Jalali R., Subeikshanan	Medical and Health Sciences	World Neurosurgery	2021	101	1
Determination of impurities in copper metal using total reflection X-ray fluorescence spectrometry after matrix separation: Method validation and uncertainty assessme	Ghosh M., Chavan T.A., Sahoo S., Remya Devi P.S., Satpati A.K., Swain K.K.	Chemical Sciences	X-Ray Spectrometry	2021	47	1
Measurement of L subshell fluorescence yield ratios of some high Z elements by selective excitation method	Hiremath G.B., Bennal A.S., Hosamani M.M., Badiger N.M., Trivedi A., Tiwari M.K	Physical Sciences	X-Ray Spectrometry	2021	47	1
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., Cordes D.B., Slawin A.M.Z., T	Chemical Sciences	Zeitschrift fur Anorganische und Allgemeine Chemie	2021	68	0
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	51	0
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., GHOSH A., DEUTI K.	Chemical Sciences	Zootaxa	2021	92	0
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 O., Vijay Kumar S.V., Datta	Chemical Sciences	Zootaxa	2021	92	0