

Sl. No.	Publication Type	Author Full Names	Article Title	Source Title	ISSN	eISSN	Journal Abbreviation	Publication Date	Publication Year
1	Journal	Hassan, Sk. Sarif; Choudhury, Pabitra Pal; Roy, Bidyut; Jana, Siddhartha Sankar	Missense mutations in SARS-CoV2 genomes from Indian patients	GENOMICS	0888-7543	1089-8646	GENOMICS	NOV	2020
2	Journal	Adhikari, Sneha; Kumari, Jyoti; Bhardwaj, Rakesh; Jacob, Sherry; Langyan, Sapna; Sharma, Shivani; Singh, Anju M.; Kumar, Ashok	Unlocking the potential of ancient hexaploid Indian dwarf wheat, Tritium sphaerococcum for grain quality improvement	PEERJ	2167-8359		PEERJ	JUL 27	2023
3	Journal	Hu, Beiyu; Xu, Bingxue; Yun, Juanli; Wang, Jian; Xie, Bingliang; Li, Caiming; Yu, Yanghuan; Lan, Ying; Zhu, Yaxin; Dai, Xin; Huang, Ying; Huang, Li; Pan, Jianzhang; Du, Wenbin	High-throughput single-cell cultivation reveals the underexplored rare biosphere in deep-sea sediments along the Southwest Indian Ridge	LAB ON A CHIP	1473-0197	1473-0189	LAB CHIP	JAN 21	2020
4	Journal	Hassan, Sk. Sarif; Choudhury, Pabitra Pal; Basu, Pallab; Jana, Siddhartha Sankar	Molecular conservation and differential mutation on ORF3a gene in Indian SARS-CoV2 genomes	GENOMICS	0888-7543	1089-8646	GENOMICS	SEP	2020
5	Journal	Mantri, Vaibhav A.; Ghosh, Arup; Eswaran, K.; Ganesan, M.	Notes on Recommendations for Enabling Policy Interventions in the Seaweed Cultivation and Processing Domain in India	SUSTAINABILITY		2071-1050	SUSTAINABILITY-BASEL	AUG	2022
6	Journal	Joshi, Babita; Singh, Sanjay; Tiwari, Gopal Ji; Kumar, Harish; Boopathi, Narayanan Manikanda; Jaiswal, Sarika; Adhikari, Dibyendu; Kumar, Dinesh; Sawant, Samir V.; Iqbal, Mir Asif; Jena, Satya Narayan	Genome-wide association study of fiber yield-related traits uncovers the novel genomic regions and candidate genes in Indian upland cotton (<i>Gossypium hirsutum</i> L.)	FRONTIERS IN PLANT SCIENCE	1664-462X		FRONT PLANT SCI	OCT 23	2023
7	Journal	Shaikh, Maroof; Bahulikar, Rahul; Chitnis, Akhilesh; Pandit, Sagar	GA3-mediated reforestation pioneering mechanism of actinorhizal <i>Elaeagnus conferta</i> Roxb. in the slashed and burnt shifting cultivation lands in India's megadiversity hotspot	RESTORATION ECOLOGY	1061-2971	1526-100X	RESTOR ECOL	MAR	2023
8	Journal	Anandan, Annamalai; Panda, Siddharth; Sabarinathan, S.; Travis, Anthony J.; Norton, Gareth J.; Price, Adam H.	Superior Haplotypes for Early Root Vigor Traits in Rice Under Dry Direct Seeded Low Nitrogen Condition Through Genome Wide Association Mapping	FRONTIERS IN PLANT SCIENCE	1664-462X		FRONT PLANT SCI	JUL 8	2022
9	Journal	Deka, Nabajyoti; Goswami, Kishor	Economic sustainability of organic cultivation of Assam tea produced by small-scale growers	SUSTAINABLE PRODUCTION AND CONSUMPTION	2352-5509		SUSTAIN PROD CONSUMP	APR	2021
10	Journal	Halder, Ritaban; Jana, Biman	Exploring the role of hydrophilic amino acids in unfolding of protein in aqueous ethanol solution	PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS	0887-3585	1097-0134	PROTEINS	JAN	2021
11	Journal	Molla, Sabir Hossain; Rukhsana; Ul Hasan, Mohd Sayeed	Deployment of entropy information theory in the Indian Sundarban region using hydrogeochemical parameters and GIS for assessment of irrigation suitability	ENVIRONMENTAL MONITORING AND ASSESSMENT	0167-6369	1573-2959	ENVIRON MONIT ASSESS	OCT	2023
12	Journal	Ranaivozandriny, M.; Ravelomanantsoa, S.; Rasolofoarivao, H.; Ravaomanarivo, L. Raveloson; Delatte, H.	Apple cultivation and its major challenging constraints in the Central Highlands of Madagascar	FRUITS	0248-1294	1625-967X	FRUITS	MAY-JUN	2023

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13	Journal	Priya, Himani; Dhar, Dolly W.; Singh, Ranjit; Kumar, Sudhir; Dhandapani, Raju; Pandey, Renu; Govindasamy, Venkadasamy; Kumar, Arun	Co-cultivation Approach to Decipher the Influence of Nitrogen-Fixing Cyanobacterium on Growth and N Uptake in Rice Crop	CURRENT MICROBIOLOGY	0343-8651	1432-0991	CURR MICROBIOL	FEB	2022
14	Journal	Ganguly, Sougata; Roy, Sourov; Tapadar, Ananya	Secluded dark sector and muon (g-2) in the light of fast expanding Universe	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	1475-7516		J COSMOL ASTROPART P	FEB	2023
15	Journal	Adhya, Suman; Lahiri, Avishek; Sanyal, Debarshi Kumar	Do Neural Topic Models Really Need Dropout? Analysis of the Effect of Dropout in Topic Modeling	17TH CONFERENCE OF THE EUROPEAN CHAPTER OF THE ASSOCIATION FOR COMPUTATIONAL LINGUISTICS, EAACL 2023					2023
16	Journal	Li, Qianyu; Chen, Chao; Tao, Chunhui; Wu, Tao; Zhou, Jianping; Su, Zhaoyang; Zhu, Zhongmin; Liu, Long; Jie, Tianyu; Chen, Ming	Evidence of hydrothermal fluid migration pathways in pores and microfractures based on nuclear magnetic resonance and electron microscopic analyses from the Southwest Indian Ridge	MARINE GEOLOGY	0025-3227	1872-6151	MAR GEOL	MAR	2023
17	Journal	Padmashree, Revadi; Barbadikar, Kalyani M.; Magar, Nakul D.; Balakrishnan, Divya; Lokesh, R.; Gireesh, C.; Siddaiah, Anantha M.; Madhav, Maganti Sheshu; Ramesha, Y. M.; Bharamappanavara, Muralidhara; Phule, Amol S.; Senguttuvel, P.; Diwan, J. R.; Subrahmanyam, D.; Sundaram, Raman Menakshi	Genome-wide association studies in rice germplasm reveal significant genomic regions for root and yield-related traits under aerobic and irrigated conditions	FRONTIERS IN PLANT SCIENCE	1664-462X		FRONT PLANT SCI	JUL 18	2023
18	Journal	Singh, Vikas Kumar; Chaturvedi, Deepti; Pundir, Saksham; Kumar, Deepak; Sharma, Rajiv; Kumar, Sundeep; Sharma, Shiveta; Sharma, Shailendra	GWAS scans of cereal cyst nematode (Heterodera avenae) resistance in Indian wheat germplasm	MOLECULAR GENETICS AND GENOMICS	1617-4615	1617-4623	MOL GENET GENOMICS	MAY	2023
19	Journal	Chatterjee, Saptarshi; Sarkar, Apurba; Chatterjee, Swarnajit; Karmakar, Mintu; Paul, Raja	Studying the progress of COVID-19 outbreak in India using SIRD model	INDIAN JOURNAL OF PHYSICS	0973-1458	0974-9845	INDIAN J PHYS	SEP	2021
20	Journal	Gupta, Suchetana; Mallick, Ditipriya; Banerjee, Kumarjeet; Mukherjee, Shrimon; Sarkar, Soumyadev; Lee, Sonny T. M.; Basuchowdhuri, Partha; Jana, Siddhartha S.	D155Y substitution of SARS-CoV-2 ORF3a weakens binding with Caveolin-1	COMPUTATIONAL AND STRUCTURAL BIOTECHNOLOGY JOURNAL	2001-0370		COMPUT STRUCT BIOTEC		2022
21	Journal	Wicker, Rebecca J.; Daneshvar, Ehsan; Gupta, Ashok Kumar; Song, Hocheol; Khan, Eakalak; Bhatnagar, Amit	Hybrid planktonic-biofilm cultivation of a Nordic mixed-species photosynthetic consortium: A pilot study on carbon capture and nutrient removal	CHEMICAL ENGINEERING JOURNAL	1385-8947	1873-3212	CHEM ENG J	SEP 1	2023

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22	Journal	Hiloidhari, Moonmoon; Banerjee, Rangan; Rao, Anand B.	Life cycle assessment of sugar and electricity production under different sugarcane cultivation and cogeneration scenarios in India	JOURNAL OF CLEANER PRODUCTION	0959-6526	1879-1786	J CLEAN PROD	MAR 25	2021
23	Journal	Raveendran, Rathul Nath; Parattu, Krishnamohan; Sriramkumar, L.	Enhanced power on small scales and evolution of quantum state of perturbations in single and two field inflationary models	GENERAL RELATIVITY AND GRAVITATION	0001-7701	1572-9532	GEN RELAT GRAVIT	AUG	2022
24	Journal	Saha, Debasis; Jana, Biman	Identifying the Template for Oligomer to Fibril Conversion for Amyloid- β (1-42) Oligomers using Hamiltonian Replica Exchange Molecular Dynamics	CHEMPHYSICHEM	1439-4235	1439-7641	CHEMPHYSICHEM	DEC 16	2022
25	Journal	Liu, Yunlong; Schlindwein, Vera; Qiu, Lei; Zhao, Minghui; Zhang, Haijiang; Zhou, Jianping; Zhang, Jiazheng; Wang, Hanchuang; Wu, Tao; Deng, Xianming	Seismic observation of an active detachment faulting system beneath the Longqi hydrothermal field at the ultraslow spreading southwest Indian ridge	DEEP-SEA RESEARCH PART I- OCEANOGRAPHIC RESEARCH PAPERS	0967-0637	1879-0119	DEEP-SEA RES PT I	AUG	2023
26	Journal	Mana, Tanushree; Bhattacharya, Budhaditya; Lahiri, Hiya; Mukhopadhyay, Rupa	XNAs: A Troubleshooter for Nucleic Acid Sensing	ACS OMEGA	2470-1343		ACS OMEGA	MAY 10	2022
27	Journal	Saha, Debasis; Jana, Biman	Kinetic and thermodynamic stability comparison for the fibrillar form of small amyloid- β (1-42) oligomers using scaled molecular dynamics	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	1463-9076	1463-9084	PHYS CHEM CHEM PHYS	AUG 21	2021
28	Journal	Mallick, A.; Sarkar, A.; Paul, R.	A force-balance model for centrosome positioning and spindle elongation during interphase and anaphase B	INDIAN JOURNAL OF PHYSICS	0973-1458	0974-9845	INDIAN J PHYS	2022 MAR 7	2022
29	Journal	Rakotonjanahary, F.; Rakotomahazo, C.; Nirinamamiko, J.; Razakarisoa, T.; Todinanahary, Ggb; Lavitra, T.; Lepoint, G.; Vanderklift, Ma; Ranivoarivelo, L.	Use and management of seagrass ecosystems in southwestern Madagascar	AFRICAN JOURNAL OF MARINE SCIENCE	1814-232X	1814-2338	AFR J MAR SCI	2024 APR 30	2024
30	Journal	Kohli, Manju; Bansal, Hina; Mishra, Gyan Prakash; Dikshit, Harsh Kumar; Reddappa, Shashidhar B.; Roy, Anirban; Sinha, Subodh Kumar; Shivaprasad, K. M.; Kumari, Nikki; Kumar, Atul; Kumar, Ranjeet R.; Nair, Ramakrishnan Madhavan; Aski, Muraleedhar	Genome-wide association studies for earliness, MYMIV resistance, and other associated traits in mungbean (<i>Vigna radiata</i> L. Wilczek) using genotyping by sequencing approach	PEERJ	2167-8359		PEERJ	JAN 26	2024
31	Journal	Ghosh, Purusottam; Ghosh, Tathagata; Roy, Subhjit	Interplay among gravitational waves, dark matter and collider signals in the singlet scalar extended type-II seesaw model	JOURNAL OF HIGH ENERGY PHYSICS	1029-8479		J HIGH ENERGY PHYS	OCT 10	2023
32	Journal	Halder, Ritaban; Jana, Biman	On the Correlation between Pair Hydrophobicity and Mixing Enthalpies in Water-Alcohol Binary Mixtures	JOURNAL OF PHYSICAL CHEMISTRY B	1520-6106	1520-5207	J PHYS CHEM B	SEP 17	2020
33	Journal	Rajeev, Karthik; Mondal, Vikramaditya; Chakraborty, Sumanta	Bouncing with shear: implications from quantum cosmology	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	1475-7516		J COSMOL ASTROPART P	JAN	2022

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34	Journal	Manna, Rabindra Nath; Dutta, Mandira; Jana, Biman	Mechanistic study of the ATP hydrolysis reaction in dynein motor protein	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	1463-9076	1463-9084	PHYS CHEM CHEM PHYS	JAN 21	2020
35	Journal	Hota, Poulami; Miah, Milon; Bose, Saptasree; Dinda, Diptiman; Ghorai, Uttam K.; Su, Yan-Kuin; Saha, Shyamal K.	Ultra-small amorphous MoS ₂ decorated reduced graphene oxide for supercapacitor application	JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY	1005-0302		J MATER SCI TECHNOL	MAR 1	2020
36	Journal	Raveendran, Rathul Nath; Chakraborty, Sumanta	Distinguishing cosmological models through quantum signatures of primordial perturbations	GENERAL RELATIVITY AND GRAVITATION	0001-7701	1572-9532	GEN RELAT GRAVIT	MAY	2024
37	Journal	Singh, Achuit K.; Yadav, Brijesh K.; Krishna, Ram; Kumar, R. Vinoth; Mishra, Gyan P.; Karkute, Suhas G.; Krishnan, Nagendran; Seth, Tania; Kumari, Shweta; Singh, Bijendra; Singh, Prabhakar M.; Singh, Jagdish	Bhendi Yellow Vein Mosaic Virus and Bhendi Yellow Vein Mosaic Betasatellite Cause Enation Leaf Curl Disease and Alter Host Phytochemical Contents in Okra	PLANT DISEASE	0191-2917	1943-7692	PLANT DIS	SEP	2021
38	Journal	Nath, Rounak; Manna, Rabindra Nath; Paule, Ankan	Decoding regioselective reaction mechanism of gentisic acid catalyzed by the gentisate 1,2-dioxygenase enzyme	CATALYSIS SCIENCE & TECHNOLOGY	2044-4753	2044-4761	CATAL SCI TECHNOL	SEP 20	2022
39	Journal	Sharma, Himangshu; Mondal, Joyanta; Ghosh, Ananyo K.; Pal, Ritesh Ranjan; Goswami, Rajib Kumar	Total synthesis of the antibacterial polyketide natural product thailandamide lactone	CHEMICAL SCIENCE	2041-6520	2041-6539	CHEM SCI	NOV 23	2022
40	Journal	Karmakar, Keshab; Sarkar, Prakash; Sultana, Jenifar; Kurra, Narendra; Rao, K. D. M.	Layer-by-Layer Assembly-Based Heterointerfaces for Modulating the Electronic Properties of Ti ₃ C ₂ T _x MXene	ACS APPLIED MATERIALS & INTERFACES	1944-8244	1944-8252	ACS APPL MATER INTER	DEC 15	2021
41	Journal	Nath, Arnab Kumar; Roy, Madhuparna; Dey, Chinmay; Dey, Abhishek; Dey, Somdatta Ghosh	Spin state dependent peroxidase activity of heme bound amyloid β peptides relevant to Alzheimer's disease	CHEMICAL SCIENCE	2041-6520	2041-6539	CHEM SCI	DEC 14	2022
42	Journal	Chatterjee, Saptarshi; Sarkar, Apurba; Karmakar, Mintu; Chatterjee, Swarnajit; Paul, Raja	SEIRD model to study the asymptomatic growth during COVID-19 pandemic in India	INDIAN JOURNAL OF PHYSICS	0973-1458	0974-9845	INDIAN J PHYS	DEC	2021
43	Journal	Mandal, Subhra Kanti; Seth, Piya; Kar, Tanmoy	A stimuli-responsive l-DOPA-based supramolecular gel for the detection of fluoride ion	NEW JOURNAL OF CHEMISTRY	1144-0546	1369-9261	NEW J CHEM	MAR 18	2024
44	Journal	Mandal, Gour Hari; Saha, Dhiman; Auddy, Sourya Shankar; Goswami, Rajib Kumar	Synthesis of the Key Skeleton of Phosphoeleganin Poly(Acryloyl-L-Serine): A Reactive Polypeptide to Introduce Zwitterion and Amphiphilicity for Stimuli-Responsiveness and Gelability	SYNLETT	0936-5214	1437-2096	SYNLETT	APR 4	2023
45	Journal	Dinda, Priyanka; Das, Joy; Anas, Mahammad; Mandal, Tarun K.	Be ²⁺ and Mg ²⁺ -decorated sulflower: Potential systems for molecular hydrogen storage	MACROMOLECULES	0024-9297	1520-5835	MACROMOLECULES	FEB 16	2024
46	Journal	Banerjee, Soumadip; Ash, Tamalika; Debnath, Tanay; Das, Abhijit Kr	Switchable Optical Probes for Simultaneous Targeting of Multiple Anions	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	0360-3199	1879-3487	INT J HYDROGEN ENERG	MAY 17	2021
47	Journal	Dey, Nilanjan; Bhattacharya, Santanu	Atomistic Pictures of Self-Assembled Helical Peptide Nanofibers	CHEMISTRY-AN ASIAN JOURNAL	1861-4728	1861-471X	CHEM-ASIAN J	JUN 17	2020
48	Journal	Adhikary, Rumela; Das, Avisek		JOURNAL OF PHYSICAL CHEMISTRY B	1520-6106	1520-5207	J PHYS CHEM B	NOV 24	2022

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49	Journal	Bera, Sumanta; Miah, Milon; Mondal, Tapas Kumar; Debnath, Anup; Saha, Shyamal Kumar	Synthesis of new mixed metal oxide RuNi2O4 phase decorated on reduced graphene oxide for supercapacitor applications	ELECTROCHIMICA ACTA	0013-4686	1873-3859	ELECTROCHIM ACTA	AUG 20	2022
50	Journal	Agarwal, Mahesh; Biswas, Parijat; Bhattacharya, Anindita; Sinha, Deepak Kumar	Reactive oxygen species-mediated cytoplasmic stiffening impairs the phagocytic ability of the macrophage	JOURNAL OF CELL SCIENCE	0021-9533	1477-9137	J CELL SCI	MAR	2020
51	Journal	Ghosh, Dibyendu; Devi, Pooja; Kumar, Praveen	Modified p-GaN Microwells with Vertically Aligned 2D-MoS2 for Enhanced Photoelectrochemical Water Splitting	ACS APPLIED MATERIALS & INTERFACES	1944-8244	1944-8252	ACS APPL MATER INTER	MAR 25	2020
52	Journal	Oliya, Bal Kumari; Kim, Moon Young; Ha, Jungmin; Lee, Suk-Ha	Analysis of genetic variability and agronomic performance of Indian lettuce (<i>Lactuca indica</i> L.)	GENETIC RESOURCES AND CROP EVOLUTION	0925-9864	1573-5109	GENET RESOUR CROP EV	MAR	2022
53	Journal	Chatterjee, Sayanti; Banerjee, Sridhar; Jana, Rahul Dev; Bhattacharya, Shrabanti; Chakraborty, Biswarup; Jannuzzi, Sergio Augusto Venturinelli	Tuning the stereoelectronic factors of iron(II)-2-aminophenolate complexes for the reaction with dioxygen: oxygenolytic C-C bond cleavage vs. oxidation of complex	DALTON TRANSACTIONS	1477-9226	1477-9234	DALTON T	FEB 7	2021
54	Journal	Roy, Ria Sinha; Ghosh, Avik; Banerjee, Soumadip; Das, Abhijit K.	Exploring the effect of external dopants on the electrode characteristics of bimetallic sandwich complexes based on the B4N4H8 ligand, M2(B4N4H8)2Ca2 (M = Na and K)	NEW JOURNAL OF CHEMISTRY	1144-0546	1369-9261	NEW J CHEM	DEC 11	2023
55	Journal	Pradhan, Anirban; Manna, Rabindra Nath	Surface-Modified Covalent Organic Polymer for Metal-Free Electrocatalytic Hydrogen Evolution Reaction	ACS APPLIED POLYMER MATERIALS	2637-6105		ACS APPL POLYM MATER	MAR 12	2021
56	Journal	Rajeev, Karthik	Wave function of the Universe as a sum over eventually inflating universes	PHYSICAL REVIEW D	2470-0010	2470-0029	PHYS REV D	JUL 15	2022
57	Journal	Sen, Kaushik; Debnath, Tanay; Ghorai, Soumitra; Nag, Debjani; Dash, Pratik S.	Deciphering the Differential Influence of Organic Additives on Coal Fluidity Development: A First-Principles Investigation	ENERGY & FUELS	0887-0624	1520-5029	ENERG FUEL	MAR 4	2021
58	Journal	Ghosh, Dibyendu; Roy, Krishnendu; Sarkar, K.; Devi, Pooja; Kumar, Praveen	Surface Plasmon-Enhanced Carbon Dot-Embellished Multifaceted Si(111) Nanoheterostructure for Photoelectrochemical Water Splitting	ACS APPLIED MATERIALS & INTERFACES	1944-8244	1944-8252	ACS APPL MATER INTER	JUN 24	2020
59	Journal	Samanta, Monoj; Bhattacharya, Indrani; Chatterjee, Piyali; Mondal, Koushik; Chakraborty, Tapas	Photoisomerization of acetone via Rydberg excitation	JOURNAL OF CHEMICAL SCIENCES	0974-3626	0973-7103	J CHEM SCI	MAY 27	2023
60	Journal	Paul, Debabrata; Kundu, Ashis; Saha, Sanu; Goswami, Rajib Kumar	Total synthesis: the structural confirmation of natural products	CHEMICAL COMMUNICATIONS	1359-7345	1364-548X	CHEM COMMUN	APR 7	2021
61	Journal	Sarkar, Subhendu; Debnath, Tanay; Das, Abhijit K.	Superalkalies with Hydrogen as Central Electronegative Atom and their Possible Applications: Ab Initio and DFT Study	CHEMISTRY-A EUROPEAN JOURNAL	0947-6539	1521-3765	CHEM-EUR J	2024 APR 4	2024
62	Journal	Rahman, Tanjil; Das, Purnima; Hazarika, Lakshmi Kanta; Sharma, Kewal Krishan; Mohanasundaram, Arumugam; Roy, Somnath	Evaluation of certain plant hosts for the lac insect	INTERNATIONAL JOURNAL OF TROPICAL INSECT SCIENCE	1742-7584	1742-7592	INT J TROP INSECT SC	DEC	2021
63	Journal	Mondal, Sourav; Banerjee, Siddhartha; Dey, Debapriya; Lahiri, Hiya; Mana, Tanushree; Jana, Siddhartha S.; Mukhopadhyay, Rupa	Impact of HMGB1 binding on the structural alterations of platinum drug-treated single dsDNA molecule	BIOCHIMIE	0300-9084	1638-6183	BIOCHIMIE	OCT	2023

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64	Journal	Banerjee, Soumadip; Ash, Tamalika; Debnath, Tanay; Das, Abhijit K.	Dual modification to stabilize Non-IPR C72 fullerene: A new theoretical strategy	JOURNAL OF MOLECULAR GRAPHICS & MODELLING	1093-3263	1873-4243	J MOL GRAPH MODEL	DEC	2022
65	Journal	Roy, Ria Sinha; Ghosh, Avik; Banerjee, Soumadip; Ghosh, Suniti; Das, Abhijit K.	New kind of electride sandwich complexes based on the cyclooctatetraene ligand M12(η 8-C8H8)2M22 (M1 = Na, K and M2 = Ca, Mg): a theoretical study	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	1463-9076	1463-9084	PHYS CHEM CHEM PHYS	FEB 8	2023
66	Journal	Sarkar, Sudipta; Kar, Amit; Shaw, Pallab; DasGupta, Barun; Keithellakpam, Ojit Singh; Mukherjee, Pulok Kumar; Bhardwaj, Pardeep K.; Sharma, Nanaocha; Haldar, Pallab K.; Sinha, Surajit	Hydroalcoholic root extracts of Houttuynia cordata (Thunb.) standardized by UPLC-Q-TOF-MS/MS promotes apoptosis in human hepatocarcinoma cell HepG2 via GSK-3 β /8-catenin/PDL-1 axis	FITOTERAPIA	0367-326X	1873-6971	FITOTERAPIA	DEC	2023
67	Journal	Ghosh, Avirup; Ghosh, Deep; Mukhopadhyay, Satyanarayan	Revisiting the role of CP-conserving processes in cosmological particle-antiparticle asymmetries	EUROPEAN PHYSICAL JOURNAL C	1434-6044	1434-6052	EUR PHYS J C	NOV	2021
68	Journal	Saroja, Ankit; Pal, Deepa; Gomashe, Sunil S.; Akash; Kaur, Vikender; Ujjainwal, Shraddha; Rajkumar, S.; Aravind, J.; Radhamani, J.; Kumar, Rajesh; Chand, Dinesh; Sengupta, Abhishek; Wankhede, Dhammaprakash Pandhari	Identification of QTNs Associated With Flowering Time, Maturity, and Plant Height Traits in Linum usitatissimum L. Using Genome-Wide Association Study	FRONTIERS IN GENETICS		1664-8021	FRONT GENET	JUN 14	2022
69	Journal	Sarkar, Subhendu; Debnath, Tanay; Das, Abhijit K. K.	Designing metal-free organic superalkalis by modifying benzene: a theoretical perspective	THEORETICAL CHEMISTRY ACCOUNTS	1432-881X	1432-2234	THEOR CHEM ACC	JAN	2023
70	Journal	Ghosh, Avik; Banerjee, Soumadip; Sarkar, Subhendu; Debnath, Tanay; Ash, Tamalika; Roy, Ria Sinha; Das, Abhijit K.	Energetics and Spectroscopic Properties of Low-lying CaC6H2 Isomers: An Astrochemical Perspective	CHEMISTRYSELECT	2365-6549		CHEMISTRYSELECT	JUN 13	2022
71	Journal	Rajeev, Karthik	Lorentzian worldline path integral approach to Schwinger effect	PHYSICAL REVIEW D	2470-0010	2470-0029	PHYS REV D	NOV 18	2021
72	Journal	Kolay, Sarita; Maity, Subarna; Chakraborty, Sikta; Ghosh, Srijon; Patra, Amitava	Electronegativity of the Substituent on Surface Motifs Influences the Ultrafast Relaxation Dynamics of Ag44(SR)304- Nanoclusters	JOURNAL OF PHYSICAL CHEMISTRY C	1932-7447	1932-7455	J PHYS CHEM C	FEB 23	2023
73	Journal	Msuya, Flower E.; Bolton, John; Pascal, Fred; Narrain, Koushul; Nyonje, Betty; Cottier-Cook, Elizabeth J.	Seaweed farming in Africa: current status and future potential	JOURNAL OF APPLIED PHYCOLOGY	0921-8971	1573-5176	J APPL PHYCOL	APR	2022
74	Journal	Ghosh, Avik; Banerjee, Soumadip; Debnath, Tanay; Das, Abhijit K.	Dehydrogenation of ammonia-borane to functionalize neutral and Li ⁺ -encapsulated C60, C70 and C36 fullerene cages: a DFT approach	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	1463-9076	1463-9084	PHYS CHEM CHEM PHYS	FEB 9	2022
75	Journal	Venkataramanappa, V.; Kodandaram, M. H.; Manjunath, M.; Chauhan, Neha S.; Nagendran, K.; Tiwari, Shailesh K.; Sarkar, B.; Rao, Govind Pratap	Molecular characterization of phytoplasma strains associated with brinjal little leaf and screening of cultivated and wild relatives of eggplant cultivars for disease resistance	EUROPEAN JOURNAL OF PLANT PATHOLOGY	0929-1873	1573-8469	EUR J PLANT PATHOL	FEB	2022

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76	Journal	Saha, Dhiman; Guchhait, Sandip; Goswami, Rajib Kumar	Total Synthesis and Stereochemical Assignment of Penicitide A	ORGANIC LETTERS	1523-7060	1523-7052	ORG LETT	JAN 17	2020
77	Journal	Saha, Dhiman; Mandal, Gour Hari; Goswami, Rajib Kumar	Asymmetric Total Synthesis of Amphirionin-2	JOURNAL OF ORGANIC CHEMISTRY	0022-3263	1520-6904	J ORG CHEM	AUG 6	2021
78	Journal	Mukherjee, Bhaskar; Sen, Arnab; Sen, Diptiman; Sengupta, K.	Dynamics of the vacuum state in a periodically driven Rydberg chain	PHYSICAL REVIEW B	2469-9950	2469-9969	PHYS REV B	AUG 17	2020
79	Journal	Raveendran, Rathul Nath	Conserved cosmological perturbations in ultraslow-roll inflation and bouncing scenarios	PHYSICAL REVIEW D	2470-0010	2470-0029	PHYS REV D	FEB 6	2024
80	Journal	Bouhlal, Outmane; Visoni, Andrea; Verma, Ramesh Pal Singh; Kandil, Mostafa; Gyawali, Sanjaya; Capettini, Flavio; Sanchez-Garcia, Miguel	CGIAR Barley Breeding Toolbox: A diversity panel to facilitate breeding and genomic research in the developing world	FRONTIERS IN PLANT SCIENCE	1664-462X		FRONT PLANT SCI	NOV 14	2022
81	Journal	Bhunya, Sourav; Zimmerman, Paul M.; Paul, Ankan	Mechanism of B-H Redistribution during Reduction of Polyborazylene by Hydrazine	EUROPEAN JOURNAL OF INORGANIC CHEMISTRY	1434-1948	1099-0682	EUR J INORG CHEM	JUN 13	2023
82	Journal	Banerjee, Soumadip; Ghosh, Avik; Ghosh, Suniti; Roy, Ria Sinha; Ash, Tamalika; Debnath, Tanay; Das, Abhijit K.	Thermodynamics and spectroscopic properties of C ₂ H ₅ CONH ₂ found in Sagittarius B2(N1)	COMPUTATIONAL AND THEORETICAL CHEMISTRY	2210-271X	1872-7999	COMPUT THEOR CHEM	AUG	2023
83	Journal	Mondal, Saptarsi	Charge-Shifted Weak Noncovalent Interactions in the Atmospherically Important OCS Microhydrates	JOURNAL OF PHYSICAL CHEMISTRY A	1089-5639	1520-5215	J PHYS CHEM A	MAR 21	2023
84	Journal	Chakraborty, Debabrata; Chowdhury, Avik; Chandra, Moumita; Jana, Rajkumar; Shyamal, Sanjib; Bhunia, Manas K.; Chandra, Debraj; Hara, Michikazu; Pradhan, Debabrata; Datta, Ayan; Bhaumik, Asim	Novel Tetradentate Phosphonate Ligand Based Bioinspired Co-Metal-Organic Frameworks: Robust Electrocatalyst for the Hydrogen Evolution Reaction in Different Mediums	CRYSTAL GROWTH & DESIGN	1528-7483	1528-7505	CRYST GROWTH DES	MAY 5	2021
85	Journal	Sahana, Moinul Haque; Saha, Dhiman; Goswami, Rajib Kumar	Total Synthesis of Strasseriolide A	JOURNAL OF ORGANIC CHEMISTRY	0022-3263	1520-6904	J ORG CHEM	SEP 2	2022
86	Journal	Tom, Anvy Moly; Raveendran, Rathul Nath	Mimicking two field inflationary features with a single field	PHYSICS OF THE DARK UNIVERSE		2212-6864	PHYS DARK UNIVERSE	DEC	2023
87	Journal	Sahana, Moinul Haque; Paul, Debabrata; Sharma, Himangshu; Goswami, Rajib Kumar	Total Synthesis of Antibacterial Macrolide Sorangiolide A	ORGANIC LETTERS	1523-7060	1523-7052	ORG LETT	OCT 19	2023
88	Journal	Malakar, Biswanath; Roy, Subrata K.; Mondal, Monohar Hossain; Roy, Ankit	Stone mining work and dust pollution in Birbhum district, West Bengal, India	TOXICOLOGY AND INDUSTRIAL HEALTH	0748-2337	1477-0393	TOXICOL IND HEALTH	APR	2024
89	Journal	Bairagi, Dipayan; Ghosh, Purnadas; Roy, Priyanka; Banerjee, Arindam	Metallogels from Silver Nanoparticles and Peptide Nanofibers as Antimicrobial Surfaces	ACS APPLIED NANO MATERIALS		2574-0970	ACS APPL NANO MATER	2023 FEB 7	2023
90	Journal	Banerjee, Soumadip; Debnath, Tanay; Ghosh, Avik; Das, Abhijit K.	Ammonia and borane activation by Tantalum Carbide cluster anion Ta ₂ C ₄ ⁻ : A theoretical approach	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	0360-3199	1879-3487	INT J HYDROGEN ENERG	FEB 16	2021

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91	Journal	Haldar, Dhrubaa; Ghosh, Arnab; Ghorai, Uttam Kumar; Saha, Shyamal K.	Near infrared to visible upconversion photoluminescence from Er/Yb co-doped MoS ₂ nanosheets with tunable thickness	MATERIALS RESEARCH BULLETIN	0025-5408	1873-4227	MATER RES BULL	SEP	2020
92	Journal	Singha, Sourav; Majumder, Chinmoy; Mondal, Tapas Kumar; Mondal, Anjan; Saha, Shyamal K.	Magnetic properties in atomic Co manipulated graphitic carbon nitride	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	0304-8853	1873-4766	J MAGN MAGN MATER	JAN 15	2023
93	Journal	Saha, Sanu; Auddy, Sourya Shankar; Chatterjee, Akash; Sen, Prosenjit; Goswami, Rajib Kumar	Late-Stage Functionalization: Total Synthesis of Beauveamide A and Its Congeners and Their Anticancer Activities	ORGANIC LETTERS	1523-7060	1523-7052	ORG LETT	OCT 7	2022
94	Journal	Manna, Rabindra Nath; Onuchic, Jose N.; Jana, Biman	Road-blocker HSP disease mutation disrupts pre-organization for ATP hydrolysis in kinesin through a second sphere control	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	0027-8424	1091-6490	P NATL ACAD SCI USA	JAN 3	2023
95	Journal	Ghosh, Paulami; Ghosh, Subhasree; Bera, Nabakumar	Method of successive approximation and its application in chemistry	INDIAN JOURNAL OF PHYSICS	0973-1458	0974-9845	INDIAN J PHYS	JUL	2021
96	Journal	Paul, Debabrata; Das, Subhendu; Saha, Sanu; Sharma, Himangshu; Goswami, Rajib Kumar	Intramolecular Heck Reaction in Total Synthesis of Natural Products: An Update	EUROPEAN JOURNAL OF ORGANIC CHEMISTRY	1434-193X	1099-0690	EUR J ORG CHEM	APR 15	2021
97	Journal	Chatterjee, Swarnajit; Mangeat, Matthieu; Paul, Raja; Rieger, Heiko	Flocking and reorientation transition in the 4-state active Potts model	EPL	0295-5075	1286-4854	EPL-EUROPHYS LETT	JUN	2020
98	Journal	Gupta, Om Prakash; Singh, Amit Kumar; Singh, Archana; Singh, Gyanendra Pratap; Bansal, Kailash C.; Datta, Swapan K.	Wheat Biofortification: Utilizing Natural Genetic Diversity, Genome-Wide Association Mapping, Genomic Selection, and Genome Editing Technologies	FRONTIERS IN NUTRITION	2296-861X		FRONT NUTR	JUL 12	2022
99	Journal	Ghosh, Avirup; Ghosh, Deep; Mukhopadhyay, Satyanarayan	Cosmology of complex scalar dark matter: Interplay of self-scattering and annihilation	PHYSICAL REVIEW D	2470-0010	2470-0029	PHYS REV D	DEC 23	2021
100	Journal	Thomas, Pious; Franco, Christopher M. M.	Intracellular Bacteria in Plants: Elucidation of Abundant and Diverse Cytoplasmic Bacteria in Healthy Plant Cells Using In Vitro Cell and Callus Cultures	MICROORGANISMS		2076-2607	MICROORGANISMS	FEB	2021
101	Journal	Bose, Samik; Chakrabarty, Suman; Ghosh, Debashree	Support Vector Regression-Based Monte Carlo Simulation of Flexible Water Clusters	ACS OMEGA	2470-1343		ACS OMEGA	APR 7	2020
102	Journal	Mukherjee, Bhaskar; Nandy, Sourav; Sen, Arnab; Sen, Diptiman; Sengupta, K.	Collapse and revival of quantum many-body scars via Floquet engineering	PHYSICAL REVIEW B	2469-9950	2469-9969	PHYS REV B	JUN 1	2020
103	Journal	Ghosh, Anup Kumar; Ghosh, Aparajita; Das, Prasanta Kumar	Nanotechnology Meets Stem Cell Therapy for Treating Glioblastomas: A Review	ACS APPLIED NANO MATERIALS		2574-0970	ACS APPL NANO MATER	JAN 22	2024
104	Journal	Singh, Arpana; Sen, Prosenjit	Lipid droplet: A functionally active organelle in monocyte to macrophage differentiation and its inflammatory properties	BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR AND CELL BIOLOGY OF LIPIDS	1388-1981	1879-2618	BBA-MOL CELL BIOL L	OCT	2021
105	Journal	Ghosh, Roopayan; Dupuis, Nicolas; Sen, Arnab; Sengupta, K.	Entanglement measures and nonequilibrium dynamics of quantum many-body systems: A path integral approach	PHYSICAL REVIEW B	2469-9950	2469-9969	PHYS REV B	JUN 8	2020
106	Journal	Dutta, Mandira; Jana, Biman	Computational modeling of dynein motor proteins at work	CHEMICAL COMMUNICATIONS	1359-7345	1364-548X	CHEM COMMUN	JAN 11	2021

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107	Journal	Biswas, Protap; Dastidar, Parthasarathi	Anchoring Drugs to a Zinc(II) Coordination Polymer Network: Exploiting Structural Rationale toward the Design of Metallogels for Drug-Delivery Applications	INORGANIC CHEMISTRY	0020-1669	1520-510X	INORG CHEM	MAR 1	2021
108	Journal	Saha, Dhiman; Sahana, Moinul Haque; Mandal, Gour Hari; Goswami, Rajib Kumar	Stereoselective Synthesis of Acyclic Skeleton of Boscartin A	SYNLETT	0936-5214	1437-2096	SYNLETT	DEC	2022
109	Journal	Peters, Joris; Lebrasseur, Ophelie; Irving-Pease, Evan K.; Paxinos, Ptolemaios Dimitrios; Best, Julia; Smallman, Riley; Callou, Cecile; Gardeisen, Armelle; Trixl, Simon; Frantz, Laurent; Sykes, Naomi; Fuller, Dorian Q.; Larson, Greger	The biocultural origins and dispersal of domestic chickens	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	0027-8424	1091-6490	P NATL ACAD SCI USA	JUN 14	2022
110	Journal	Bhunia, Sarmistha; Ghatak, Arnab; Rana, Atanu; Dey, Abhishek	Amine Groups in the Second Sphere of Iron Porphyrins Allow for Higher and Selective 4e-/4H+Oxygen Reduction Rates at Lower Overpotentials	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	0002-7863	1520-5126	J AM CHEM SOC	2023 FEB 6	2023
111	Journal	Bain, Dipankar; Devi, Aarti; Chakraborty, Sikta; Patra, Amitava	Cationic Polymer Functionalized Copper Nanocluster-Based Fluorescent Probe for the Selective and Sensitive Detection of S2- Ions	ACS SUSTAINABLE CHEMISTRY & ENGINEERING	2168-0485		ACS SUSTAIN CHEM ENG	2023 JAN 25	2023
112	Journal	Ravi, Satyam; Mukherjee, Soumya; Mukherjee, Bijit; Adhikari, Satrajit; Sathyamurthy, Narayanasami; Baer, Michael	Non-adiabatic coupling as a frictional force in the formation of H3+: a model dynamical study	EUROPEAN PHYSICAL JOURNAL D	1434-6060	1434-6079	EUR PHYS J D	DEC 8	2020
113	Journal	Guha, Sarmistha; Ghosh, Sudhir Kumar; Chaudhuri, Mahua Ghosh; Das, Gopes Chandra; Dey, Rajib	Synthesis and characterization of alumina-nickel nanocomposite through sol-gel route by in situ reduction	JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY	2510-1560	2510-1579	J AUST CERAM SOC	SEP	2020
114	Journal	Kumar, Virender; Vats, Sanskriti; Kumawat, Surbhi; Bisht, Ashita; Bhatt, Vacha; Shivaraj, S. M.; Padalkar, Gunashri; Goyal, Vinod; Zargar, Sajad; Gupta, Sanjay; Kumawat, Giriraj; Chandra, Subhash; Chalam, V. Celia; Ratnaparkhe, Milind B.; Gill, Balwinder S.; Jean, Martine; Patil, Gunvant B.; Vuong, Tri; Rajcan, Istvan; Deshmukh, Rupesh; Belzile, Francois; Sharma, Tilak Raj; Nguyen, Henry T.; Sonah, Humira	Omics advances and integrative approaches for the simultaneous improvement of seed oil and protein content in soybean (Glycine max L.)	CRITICAL REVIEWS IN PLANT SCIENCES	0735-2689	1549-7836	CRIT REV PLANT SCI	SEP 3	2021
115	Journal	Medda, Anusri; Biswas, Rathindranath; Dastider, Saptarshi Ghosh; Ghosh, Soubhik; Mondal, Krishnakanta; Halder, Krishna Kanta; Patra, Amitava	Heterostructures of 2D Core/Shell Nanoplatelets with 2D MoS2 as an Efficient Electrocatalyst for Hydrogen Evolution Reaction	ACS APPLIED ENERGY MATERIALS	2574-0962		ACS APPL ENERG MATER	NOV 8	2023
116	Journal	Sarkar, Madhumita; Ghosh, Roopayan; Sen, Arnab; Sengupta, K.	Mobility edge and multifractality in a periodically driven Aubry-Andre model	PHYSICAL REVIEW B	2469-9950	2469-9969	PHYS REV B	MAY 21	2021
117	Journal	Mukherjee, Bhaskar; Sen, Arnab; Sen, Diptiman; Sengupta, K.	Restoring coherence via aperiodic drives in a many-body quantum system	PHYSICAL REVIEW B	2469-9950	2469-9969	PHYS REV B	JUL 1	2020

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118	Journal	Saha, Suparna; Maitra, Soumyajit; Chattopadhyaya, Mausumi; Sarkar, Arundhati; Haque, Suhail; Roy, Subhasis; Kargupta, Kajari	Unveiling the Electrocatalytic Activity of Crystal Facet-Tailored Cobalt Oxide-rGO Heterostructure Toward Selective Reduction of CO ₂ to Ethanol	ACS APPLIED NANO MATERIALS		2574-0970	ACS APPL NANO MATER	AUG 26	2022
119	Journal	Das, Pratyusha; Mondal, Tapas Kumar; Bera, Sumanta; Das, Suparna; Hsu, Hao-Lin; Su, Yan-Kuin; Saha, Shyamal K.	Facile in-situ growth of spore-like silica on layered MXene sheets for potential application in Supercapacitor	ELECTROCHIMICA ACTA	0013-4686	1873-3859	ELECTROCHIM ACTA	OCT 10	2023
120	Journal	Sen, Arnab; Sen, Diptiman; Sengupta, K.	Analytic approaches to periodically driven closed quantum systems: methods and applications	JOURNAL OF PHYSICS-CONDENSED MATTER	0953-8984	1361-648X	J PHYS-CONDENS MAT	NOV 3	2021
121	Journal	Dey, Suvendu; Pal, Arun K.; Upadhyay, Manoj; Datta, Ayan; Ray, Debdas	Modulation of Delayed Fluorescence Guided by Conformational Effect-Mediated Thermally Enhanced Phosphorescence in Phenothiazines-Quinoline-Cl Conjugates	JOURNAL OF PHYSICAL CHEMISTRY B	1520-6106	1520-5207	J PHYS CHEM B	NOV 1	2023
122	Journal	Aruna, Chandrasekhar Reddy; Madhusudhana, R.; Deepika, Cheruku	Understanding seasonal influence on sorghum productivity traits	CROP SCIENCE	0011-183X	1435-0653	CROP SCI	2024 FEB 14	2024
123	Journal	Hansda, Biswanath; Mondal, Biplab; Hazra, Soumyajit; Banerjee, Arindam	Metal ion-induced assembly of dipeptide-attached perylenediimide for fluorometric turn on detection of biologically important small molecule	JOURNAL OF PEPTIDE SCIENCE	1075-2617	1099-1387	J PEPT SCI	OCT	2023
124	Journal	Tripathy, Sagarika; Raveendran, Rathul Nath; Parattu, Krishnamohan; Sriramkumar, L.	Amplifying quantum discord during inflationary magnetogenesis through violation of parity	PHYSICAL REVIEW D	2470-0010	2470-0029	PHYS REV D	DEC 7	2023
125	Journal	Agarwal, Pooja; Maiti, Tanmay; Purkait, Suvankar; Roy, Deepak; Kabir, Mukul; Garg, Arti; Senapati, Dulal; Karmakar, Biswajit	Chemically Induced Surface Potential Modulation at Pd Al ₂ O ₃ Graphene Field Effect Transistors: Implications for Enhanced H ₂ Sensing	ACS APPLIED NANO MATERIALS		2574-0970	ACS APPL NANO MATER	AUG 26	2022
126	Journal	Ghosh, Paulami; Ghosh, Debashree	Effect of Dimerization on the Nonradiative Processes of Eumelanin Monomer	JOURNAL OF PHYSICAL CHEMISTRY B	1520-6106	1520-5207	J PHYS CHEM B	JAN 21	2021
127	Journal	Mana, Tanushree; Kundu, Jayanta; Lahiri, Hiya; Bera, Sudipta; Kolay, Jayeeta; Sinha, Surajit; Mukhopadhyay, Rupa	Molecularly resolved, label-free nucleic acid sensing at solid-liquid interface using non-ionic DNA analogues	RSC ADVANCES		2046-2069	RSC ADV	MAR 21	2022
128	Journal	Debnath, Anup; Mondal, Tuhina; Mahapatra, Gouranga; Kapuria, Arijit; Saha, Shyamal K.	Observation of ferrimagnetic ordering in chemically synthesized 2D Cr ₂ S ₃ nanosheets	JOURNAL OF APPLIED PHYSICS	0021-8979	1089-7550	J APPL PHYS	APR 21	2023
129	Journal	Babu, K. S.; Chakdar, Shreyashi; Das, Nandini; Ghosh, Dilip Kumar; Ghosh, Purusottam	FIMP dark matter from flavon portals	JOURNAL OF HIGH ENERGY PHYSICS	1029-8479		J HIGH ENERGY PHYS	JUL 18	2023
130	Journal	Bhattacharya, Subhaditya; Ghosh, Purusottam; Lahiri, Jayita; Mukhopadhyaya, Biswarup	Mono-X signal and two component dark matter: New distinction criteria	PHYSICAL REVIEW D	2470-0010	2470-0029	PHYS REV D	DEC 14	2023
131	Journal	Chatterjee, Swarnajit; Sutradhar, Sabyasachi; Puri, Sanjay; Paul, Raja	Ordering kinetics in a q-state random-bond clock model: Role of vortices and interfaces	PHYSICAL REVIEW E	2470-0045	2470-0053	PHYS REV E	MAR 24	2020
132	Journal	Ghosh, Catherine; Jana, Biman	Role of Calcium in Modulating the Conformational Landscape and Peptide Binding Induced Closing of Calmodulin	JOURNAL OF PHYSICAL CHEMISTRY B	1520-6106	1520-5207	J PHYS CHEM B	MAR 11	2021

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133	Journal	Ghosh, Boyli; Banerjee, Ambar; Roy, Lisa; Manna, Rabindra Nath; Nath, Rounak; Paul, Ankan	The Role of Copper Salts and O2 in the Mechanism of C≡N Bond Activation for Facilitating Nitrogen Transfer Reactions**	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	1433-7851	1521-3773	ANGEW CHEM INT EDIT	MAR 21	2022
134	Journal	Manikandan, Sreenath K.; Rajeev, Karthik	New kind of echo from quantum black holes	PHYSICAL REVIEW D	2470-0010	2470-0029	PHYS REV D	MAR 15	2022
135	Journal	Mondal, Tapas Kumar; Kapuria, Arijit; Miah, Milon; Saha, Shyamal K.	Solubility tuning of alkyl amine functionalized carbon quantum dots for selective detection of nitroexplosive	CARBON	0008-6223	1873-3891	CARBON	JUN 5	2023
136	Journal	Paul, Subir; Bhattacharya, Anindita; Hazra, Niladri; Gayen, Kousik; Sen, Prosenjit; Banerjee, Arindam	Yellow-Emitting Carbon Dots for Selective Fluorescence Imaging of Lipid Droplets in Living Cells	LANGMUIR	0743-7463		LANGMUIR	JUL 26	2022
137	Journal	Biswas, Biswajit; Singh, Prashant Chandra	The enhanced dissociation and associated surface structure of the anesthetic propofol at the water interface: vibrational sum frequency generation study	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	1463-9076	1463-9084	PHYS CHEM CHEM PHYS	NOV 10	2021
138	Journal	Mangeat, Matthieu; Chatterjee, Swarnajit; Paul, Raja; Rieger, Heiko	Flocking with a q-fold discrete symmetry: Band-to-lane transition in the active Potts model	PHYSICAL REVIEW E	2470-0045	2470-0053	PHYS REV E	OCT 1	2020
139	Journal	Suthar, Taruna; Gupta, Neha; Pathak, Dharminder; Sharma, Sanjula; Rathore, Pankaj	Morpho-anatomical characterization of interspecific derivatives of Gossypium hirsutum L. x G. armourianum Kearney cross for whitefly tolerance	PHYTOPARASITICA	0334-2123	1876-7184	PHYTOPARASITICA	APR	2022
140	Journal	Dey, Somdatta Ghosh; Roy, Madhuparna; Nath, Arnab Kumar; Pal, Ishita	Second Sphere Interactions in Amyloidogenic Diseases	CHEMICAL REVIEWS	0009-2665	1520-6890	CHEM REV	APR 26	2022
141	Journal	Kanti Das, Sabuj; Ghosh, Anirban; Bhattacharjee, Sudip; Chowdhury, Avik; Mitra, Partha; Bhaumik, Asim	A new 2D lanthanum based microporous MOF for efficient synthesis of cyclic carbonates through CO2 fixation	NEW JOURNAL OF CHEMISTRY	1144-0546	1369-9261	NEW J CHEM	MAY 28	2021
142	Journal	Dabrowski, Vladimir; Bouchaud, Charlene; Desormeau, Xavier; Herveux, Linda; Chambraud, Elora; Ryan, Saskia E.; Tengberg, Margareta	A tale of new crops in the arid Arabian Peninsula oasis from antiquity to the early Islamic period	VEGETATION HISTORY AND ARCHAEOBOTANY	0939-6314	1617-6278	VEG HIST ARCHAEOBOT	2024 JAN 13	2024
143	Journal	Dey, Koushik; Das, Bikash; Hazra, Pabitra Kumar; Kundu, Tanima; Naskar, Sanjib; Das, Soumik; Maity, Sujun; Maji, Poulomi; Karmakar, Bipul; Paramanik, Rahul; Datta, Subhadeep	Negative Capacitance for Stabilizing the Logic State in a Tunnel Field-Effect Transistor	ACS APPLIED NANO MATERIALS		2574-0970	ACS APPL NANO MATER	2024 APR 2	2024
144	Journal	Mondal, Tuhina; Bose, Saptasree; Husain, Ahmad; Ghorai, Uttam K.; Saha, Shyamal K.	White light emission from single dye incorporated metal organic framework	OPTICAL MATERIALS	0925-3467	1873-1252	OPT MATER	FEB	2020
145	Journal	Bera, Sourabh; Datta, Hemanta Kumar; Dastidar, Parthasarathi	An injectable supramolecular hydrogel as a self-drug-delivery system for local chemoimmunotherapy against melanoma	BIOMATERIALS SCIENCE	2047-4830	2047-4849	BIOMATER SCI-UK	AUG 8	2023
146	Journal	Hossain, Mozakkar; Sheikh, Md Sariful; Rao, K. D. M.	Hot-Spin Casting Synthesis of Freestanding Cs2AgBiBr6 Double Perovskite Facet-Oriented Microcrystals for Efficient Photodetectors	ADVANCED MATERIALS INTERFACES	2196-7350		ADV MATER INTERFACES	SEP	2021

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147	Journal	Maiti, Bappa; Bhattacharya, Santanu	Liposomal nanoparticles based on steroids and isoprenoids for nonviral gene delivery	WILEY INTERDISCIPLINARY REVIEWS- NANOMEDICINE AND NANOBIO TECHNOLOGY	1939-5116	1939-0041	WIRES NANOMED NANOBIO	JAN	2022
148	Journal	Chaudhuri, Ritapa; Bhattacharya, Semantee; Dash, Jyotirmayee	Bioorthogonal Chemistry in Translational Research: Advances and Opportunities	CHEMBIOCHEM	1439-4227	1439-7633	CHEMBIOCHEM	DEC 1	2023
149	Journal	De, Deb Sankar; Behara, Dilip Kumar; Saha, Sulay; Kumar, Arun; Subramaniam, Anandh; Sivakumar, Sri; Pala, Raj Ganesh S.	Design of iso-material heterostructures of TiO ₂ via seed mediated growth and arrested phase transitions	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	1463-9076	1463-9084	PHYS CHEM CHEM PHYS	NOV 21	2020
150	Journal	Manna, Utsab; Roy, Rajdip; Dutta, Abhishek; Roy, Nabanita	Phenylalanine conjugated supramolecular hydrogels developed from the mafenide and flurbiprofen multidrug for biological applications	ORGANIC & BIOMOLECULAR CHEMISTRY	1477-0520	1477-0539	ORG BIOMOL CHEM	MAR 15	2023
151	Journal	Rano, Madhumita; Ghosh, Debashree	Efficient Machine Learning Configuration Interaction for Bond Breaking Problems	JOURNAL OF PHYSICAL CHEMISTRY A	1089-5639	1520-5215	J PHYS CHEM A	APR 27	2023
152	Journal	Karmakar, Sulakshana	Synthesis of Thiazoloquinolines with Diverse Molecular Skeletons: A Review	CHEMISTRYSELECT	2365-6549		CHEMISTRYSELECT	SEP 13	2023
153	Journal	Mukherjee, Bhaskar; Banerjee, Debasish; Sengupta, K.; Sen, Arnab	Minimal model for Hilbert space fragmentation with local constraints	PHYSICAL REVIEW B	2469-9950	2469-9969	PHYS REV B	OCT 11	2021
154	Journal	Naskar, Koushik; Mukherjee, Soumya; Mukherjee, Bijit; Ravi, Satyam; Mukherjee, Saikat; Sardar, Subhankar; Adhikari, Satrajit	ADT: A Generalized Algorithm and Program for Beyond Born-Oppenheimer Equations of N Dimensional Sub-Hilbert Space	JOURNAL OF CHEMICAL THEORY AND COMPUTATION	1549-9618	1549-9626	J CHEM THEORY COMPUT	MAR	2020
155	Journal	Dey, Nilanjan	Use of biocompatible natural product 'quinine' for naked eye sensing of Sarin-surrogate both in solution-state and vapor phase	JOURNAL OF MOLECULAR LIQUIDS	0167-7322	1873-3166	J MOL LIQ	APR 1	2021
156	Journal	Ghosh, Goutam; Chakraborty, Anwesha; Pal, Prasun; Jana, Biman; Ghosh, Suhrit	Direct Participation of Solvent Molecules in the Formation of Supramolecular Polymers	CHEMISTRY-A EUROPEAN JOURNAL	0947-6539	1521-3765	CHEM-EUR J	JUL 11	2022
157	Journal	Banerjee, Paramita; Das, G. P.; Thapa, Ranjit	Computationally exploring the role of S-dopant and S-linker in activating the catalytic efficiency of graphene quantum dot for ORR	CATALYSIS TODAY	0920-5861	1873-4308	CATAL TODAY	JUN 15	2021
158	Journal	Ghosh, Arnab; Ghosh, Srijon; Ghosh, Goutam; Patra, Amitava	Implications of relaxation dynamics of collapsed conjugated polymeric nanoparticles for light-harvesting applications	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	1463-9076	1463-9084	PHYS CHEM CHEM PHYS	JUL 21	2021
159	Journal	Pal, Prasanta; Datta, Ayan; Mukherjee, Susmita; Perumal, Ajay; Malik, Sudip	Effect of the cyano group on colour-tunability of aryl-substituted buta-1,3-diene based solid-state emissive copolymers	JOURNAL OF MATERIALS CHEMISTRY C	2050-7526	2050-7534	J MATER CHEM C	DEC 7	2023
160	Journal	Ali, Haydar; Ghosh, Santu; Mondal, Avijit	Nickel sulphide flakes improved cone-shaped graphite electrode for high-performance OER activity	BULLETIN OF MATERIALS SCIENCE	0250-4707	0973-7669	B MATER SCI	SEP	2021
161	Journal	Maity, Anupam; Samanta, Subha; Roy, Shubham; Biswas, Debasish; Chkaravorty, Dipankar	Giant Dielectric Constant of Copper Nanowires/Amorphous SiO ₂ Composite Thin Films for Supercapacitor Application	ACS OMEGA	2470-1343		ACS OMEGA	JUN 2	2020

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162	Journal	Mondal, Biplab; Basu, Kingshuk; Jana, Rajkumar; Mondal, Partha; Hansda, Biswanath; Datta, Ayan; Banerjee, Arindam	Copper Nanoclusters for Catalytic Carbon-Carbon and Carbon-Nitrogen Bond Formations	ACS APPLIED NANO MATERIALS		2574-0970	ACS APPL NANO MATER	JUN 24	2022
163	Journal	Biswas, Biswajit; Singh, Prashant Chandra	Protonation State of Dopamine Neurotransmitter at the Aqueous Interface: Vibrational Sum Frequency Generation Spectroscopy Study	LANGMUIR	0743-7463		LANGMUIR	FEB 1	2022
164	Journal	Ondrasek, Gabrijel; Rathod, Santosha; Manohara, Kallakeri Kannappa; Gireesh, Channappa; Anantha, Madhyavenkatapura Siddaiah; Sakhare, Akshay Suresh Rao; Parmar, Brajendra; Yadav, Brahmdeo Kumar; Bandumula, Nirmala; Raihan, Farzana; Zielinska-Chmielewska, Anna; Merino-Gergichevich, Cristian; Reyes-Diaz, Marjorie; Khan, Amanullah; Panfilova, Olga; Seguel Fuentealba, Alex; Meier Romero, Sebastian; Nabil, Beithou; Wan, Chunpeng Craig; Shepherd, Jonti; Horvatinec, Jelena	Salt Stress in Plants and Mitigation Approaches	PLANTS-BASEL		2223-7747	PLANTS-BASEL	MAR	2022
165	Journal	Das, Antika; Marjit, Kritiman; Ghosh, Srijon; Ghosh, Debarati; Patra, Amitava	Slowing Down the Hot Carrier Relaxation Dynamics of CsPbX ₃ Nanocrystals by the Surface Passivation Strategy	JOURNAL OF PHYSICAL CHEMISTRY C	1932-7447	1932-7455	J PHYS CHEM C	JUL 28	2023
166	Journal	Ghosh, Paulami; Nandy, Tonima; Singh, Prashant C.; Ghosh, Debashree	Substitution enables significant new decay channels for a non-canonical amino acid	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	1463-9076	1463-9084	PHYS CHEM CHEM PHYS	JUL 27	2022
167	Journal	Bera, Sukanya; Barman, Ranajit; Ghosh, Suhrit	Hyperbranched vs. linear poly(disulfide) for intracellular drug delivery	POLYMER CHEMISTRY	1759-9954	1759-9962	POLYM CHEM-UK	SEP 20	2022
168	Journal	Sreejyothi, P.; Bhattacharyya, Kalishankar; Kumar, Shiv; Kumar Hota, Pradip; Datta, Ayan; Mandal, Swadhin K.	An NHC-Stabilised Phosphinidene for Catalytic Formylation: A DFT-Guided Approach	CHEMISTRY-A EUROPEAN JOURNAL	0947-6539	1521-3765	CHEM-EUR J	AUG 11	2021
169	Journal	Pal, Pulak; Ghosh, Aswini	Robust Succinonitrile Plastic Crystal-Based Ionogel for All-Solid-State Li-Ion and Dual-Ion Batteries	ACS APPLIED ENERGY MATERIALS	2574-0962		ACS APPL ENERG MATER	MAY 26	2020
170	Journal	Biswas, Biswajit; Singh, Prashant Chandra	Signature of the surface hydrated proton and associated restructuring of water at model membrane interfaces: a vibrational sum frequency generation study	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	1463-9076	1463-9084	PHYS CHEM CHEM PHYS	JUL 21	2021
171	Journal	Chongdar, Sayantan; Bhattacharjee, Sudip; Bhanja, Piyali; Bhaumik, Asim	Porous organic-inorganic hybrid materials for catalysis, energy and environmental applications	CHEMICAL COMMUNICATIONS	1359-7345	1364-548X	CHEM COMMUN	MAR 10	2022
172	Journal	Das, Arnab; Gupta, Shalini; Shaw, Pallab; Sinha, Surajit	Synthesis of Self Permeable Antisense PMO Using C5-Guanidino-Functionalized Pyrimidines at the 5'-End Enables Sox2 Downregulation in Triple Negative Breast Cancer Cells	MOLECULAR PHARMACEUTICS	1543-8384	1543-8392	MOL PHARMACEUT	FEB 7	2024

Sl. No.	Publication Type	Author Full Names	Article Title	Source Title	ISSN	eISSN	Journal Abbreviation	Publication Date	Publication Year
173	Journal	Umesh, S.; Sarkar, S.; Bera, S.; Moitra, P.; Bhattacharya, S.	A self-healable and injectable hydrogel for pH-responsive doxorubicin drug delivery in vitro and in vivo for colon cancer treatment	MATERIALS TODAY CHEMISTRY	2468-5194		MATER TODAY CHEM	JUN	2023
174	Journal	Sarkar, Sayan; Sarkar, Piyali; Ghosh, Pradyut	Heteroditopic Macrobicyclic Molecular Vessels for Single Step Aerial Oxidative Transformation of Primary Alcohol Appended Cross Azobenzenes	JOURNAL OF ORGANIC CHEMISTRY	0022-3263	1520-6904	J ORG CHEM	MAY 7	2021
175	Journal	Biswas, Protap; Datta, Hemanta Kumar; Dastidar, Parthasarathi	Designing coordination polymers as multi-drug-self-delivery systems for tuberculosis and cancer therapy: in vitro viability and in vivo toxicity assessment	BIOMATERIALS SCIENCE	2047-4830	2047-4849	BIOMATER SCI-UK	OCT 25	2022
176	Journal	Mukherjee, Soumya; Ravi, Satyam; Naskar, Koushik; Sardar, Subhankar; Adhikari, Satrajit	A beyond Born-Oppenheimer treatment of C6H6+ radical cation for diabatic surfaces: Photoelectron spectra of its neutral analog using time-dependent discrete variable representation	JOURNAL OF CHEMICAL PHYSICS	0021-9606	1089-7690	J CHEM PHYS	MAR 7	2021
177	Journal	Hazra, Niladri; Paul, Subir; Hazra, Soumyajit; Banerjee, Arindam	An Aggregation-Induced Change in the Fluorescence of Carbon Dots: Naked Eye Water Detection in a Selective Organic Solvent	CHEMISTRYSELECT	2365-6549		CHEMISTRYSELECT	JUL 26	2023
178	Journal	Pal, Sudeshna; Khan, Aftab Hossain; Chowdhury, Monalisa; Das, Prasanta Kumar	Peptide Amphiphilic Supramolecular Nanogels: Competent Host for Notably Efficient Lipase-Catalyzed Hydrolysis of Water-Insoluble Substrates	CHEMBIOCHEM	1439-4227	1439-7633	CHEMBIOCHEM	2023 AUG 9	2023
179	Journal	Nath, Arnab Kumar; Dey, Somdatta Ghosh	Simultaneous binding of heme and Cu with amyloid β peptides: active site and reactivities	DALTON TRANSACTIONS	1477-9226	1477-9234	DALTON T	MAR 29	2022
180	Journal	Sun, Luyang; Qu, Kaixing; Ma, Xiaohui; Hanif, Quratulain; Zhang, Jicai; Liu, Jianyong; Chen, Ningbo; Suolang, Quji; Lei, Chuzhao; Huang, Bizhi	Whole-Genome Analyses Reveal Genomic Characteristics and Selection Signatures of Lincang Humped Cattle at the China-Myanmar Border	FRONTIERS IN GENETICS		1664-8021	FRONT GENET	MAR 22	2022
181	Journal	Mukherjee, Bijit; Naskar, Koushik; Mukherjee, Soumya; Ravi, Satyam; Shamasundar, K. R.; Mukhopadhyay, Debasis; Adhikari, Satrajit	Beyond Born-Oppenheimer constructed diabatic potential energy surfaces for F + H ₂ reaction	JOURNAL OF CHEMICAL PHYSICS	0021-9606	1089-7690	J CHEM PHYS	NOV 7	2020
182	Journal	Sarkar, Buddhadev; Saha, Niharendu; Mukherjee, Siddhartha; Basak, Jit Sankar; Dutta, Suchandra; Dey, Dipankar; Dey, Pradip	Selection of an Extraction Method Suitable for Estimating Potentially Available Phosphorus Under the Organic Production System of New Alluvial Zone of the Lower Gangetic Plain of India	JOURNAL OF SOIL SCIENCE AND PLANT NUTRITION	0718-9508	0718-9516	J SOIL SCI PLANT NUT	JUN	2023
183	Journal	Dutta, Joy; Mandal, Souvik; Adhikari, Satrajit	Formulation of temperature dependent effective Hartree potential incorporating quadratic over linear molecular DOFs-surface modes couplings and its effect on quantum dynamics of D ₂ (v=0, j=0)/D ₂ (v=0, j=2) on Cu(111) metal surface	CHEMICAL PHYSICS	0301-0104	1873-4421	CHEM PHYS	JAN 1	2022
184	Journal	Mukherjee, Soumya; Hazra, Saikat; Ghosh, Sandip; Mukherjee, Saikat; Adhikari, Satrajit	Trajectory surface hopping vs. quantum scattering calculations on D+ + H ₂ and H + H+2 reactions using ab initio surfaces and couplings	CHEMICAL PHYSICS	0301-0104	1873-4421	CHEM PHYS	AUG 1	2022

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185	Journal	Chakraborty, Anuj Baran; Ganguly, Tuhin; Majumdar, Amit	Hydrolysis and Transfer Reactivity of the Coordinated Thiolate, Thiocarboxylate, and Selenolate in Binuclear Zinc(II) Complexes	INORGANIC CHEMISTRY	0020-1669	1520-510X	INORG CHEM	JUL 6	2023
186	Journal	Sultana, Munia; Bhattacharjee, Ishita; Bhunya, Sourav; Paul, Ankan	Uncovering the Synchronous Role of Bis-borane with Nucleophilic Solvent as Frustrated Lewis Pair in Metal-Free Catalytic Dehydrogenation of Ammonia-borane	EUROPEAN JOURNAL OF INORGANIC CHEMISTRY	1434-1948	1099-0682	EUR J INORG CHEM	OCT 11	2022
187	Journal	Jana, Rajkumar; Chowdhury, Chandra; Datta, Ayan	Transition-Metal Phosphorus Trisulfides and its Vacancy Defects: Emergence of a New Class of Anode Material for Li-Ion Batteries	CHEMSUSCHEM	1864-5631	1864-564X	CHEMSUSCHEM	AUG 7	2020
188	Journal	Hossain, Mozakkar; Karmakar, Keshab; Sarkar, Prakash; Chattaraj, Tiyasi; Rao, K. D. M.	Self-Sanitization in a Silk Nanofibrous Network for Biodegradable PM0.3 Filters with In Situ Joule Heating	ACS OMEGA	2470-1343		ACS OMEGA	FEB 15	2024
189	Journal	Halder, Nyancy; Sangeetha, Mohandas; Usharani, Dandamudi; Rath, Harapriya	Redox-Associated Variation of Huckel Aromaticity from Lactam-Embedded Smallest Antiaromatic trans-Doubly N-Confused Porphyrins: Synthesis and Characterization	JOURNAL OF ORGANIC CHEMISTRY	0022-3263	1520-6904	J ORG CHEM	FEB 21	2020
190	Journal	Ghosh, Indranil; Singh, Raman K.; Mishra, Manjari; Kapoor, Shobhna; Jana, Siddhartha S.	Switching between blebbing and lamellipodia depends on the degree of non-muscle myosin II activity	JOURNAL OF CELL SCIENCE	0021-9533	1477-9137	J CELL SCI	JAN	2021
191	Journal	Ding, Zufa; Xu, Youwei; Chen, Wenjun; Liu, Yang; Wang, Cheng; Niu, Yuhan; Zhang, Kui; Wang, Ying; Yang, Liandong	Stronger selective constraints on the mitochondrial genome in flying fishes	FRONTIERS IN MARINE SCIENCE		2296-7745	FRONT MAR SCI	MAY 1	2023
192	Journal	Maity, Subarna; Kolay, Sarita; Ghosh, Srijon; Chakraborty, Sikta; Bain, Dipankar; Patra, Amitava	Unraveling the Effect of Single Atom Doping on the Carrier Relaxation Dynamics of Mg ₂₄ n- Nanoclusters	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	1948-7185		J PHYS CHEM LETT	2022 JUN 13	2022
193	Journal	Maity, Subarna; Kolay, Sarita; Ghosh, Srijon; Chakraborty, Sikta; Bain, Dipankar; Patra, Amitava	Unraveling the Effect of Single Atom Doping on the Carrier Relaxation Dynamics of Mg ₂₄ n- Nanoclusters	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	1948-7185		J PHYS CHEM LETT	JUN 23	2022
194	Journal	Majumder, Romit; Datta, Madhuri; Banerjee, Adrita; Bandyopadhyay, Debasish; Chattopadhyay, Aindrila	Melatonin protects against ketorolac induced gastric mucosal toxic injuries through molecular mechanism associated with the modulation of Arylalkylamine N-Acetyltransferase (AANAT) activity	CHEMICO-BIOLOGICAL INTERACTIONS	0009-2797	1872-7786	CHEM-BIOL INTERACT	SEP 1	2023
195	Journal	Sarkar, Koushik; Datta, Hemanta Kumar; Ahmed, Sabir; Dastidar, Parthasarathi	Structural Rationale towards Designing Coordination Polymer Based Metallogels Displaying Anti-Cancer and Anti-Bacterial Properties	CHEMISTRYSELECT	2365-6549		CHEMISTRYSELECT	DEC 27	2021
196	Journal	Sikder, Amrita; Chakraborty, Saptarshi; Rajdev, Priya; Dey, Pradip; Ghosh, Suhrit	Molecular Recognition Driven Bioinspired Directional Supramolecular Assembly of Amphiphilic (Macro)molecules and Proteins	ACCOUNTS OF CHEMICAL RESEARCH	0001-4842	1520-4898	ACCOUNTS CHEM RES	JUN 1	2021
197	Journal	Rashid, Ambreen; Mondal, Sahidul; Mondal, Subal; Ghosh, Pradyut	A Bis-heteroleptic Imidazolium-bipyridine Functionalized Iridium(III) Complex for Fluorescence Lifetime-based Recognition and Sensing of Phosphates	CHEMISTRY-AN ASIAN JOURNAL	1861-4728	1861-471X	CHEM-ASIAN J	AUG 1	2022
198	Journal	Medda, Anusri; Dutta, Avisek; Bain, Dipankar; Mohanta, Manish Kumar; De Sarkar, Abir; Patra, Amitava	Electronic Structure Modulation of 2D Colloidal CdSe Nanoplatelets by Au ₂₅ Clusters for High-Performance Photodetectors	JOURNAL OF PHYSICAL CHEMISTRY C	1932-7447	1932-7455	J PHYS CHEM C	SEP 10	2020

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199	Journal	Malakar, Harisadhan; Timsina, Gagan; Dutta, Jintu; Borgohain, Arup; Deka, Diganta; Babu, Azariah; Paul, Ranjit Kumar; Yeasin, Md.; Rahman, Feroze Hasan; Panja, Saumik; Karak, Tanmoy	Sick or rich: Assessing the selected soil properties and fertility status across the tea-growing region of Dooars, West Bengal, India	FRONTIERS IN PLANT SCIENCE	1664-462X		FRONT PLANT SCI	DEC 20	2022
200	Journal	Biswas, Shauvik	Massive scalar perturbation of extremal rotating braneworld black hole: Superradiant stability analysis	PHYSICS LETTERS B	0370-2693	1873-2445	PHYS LETT B	SEP 10	2021
201	Journal	Ghosh, Santu; Mondal, Avijit	Aggregation chemistry of green silver nanoparticles for sensing of Hg2+ and Cd2+ ions	COLLOIDS AND SURFACES A- PHYSICOCHEMICAL AND ENGINEERING ASPECTS	0927-7757	1873-4359	COLLOID SURFACE A	NOV 20	2020
202	Journal	Pradhan, Suman Kalyan; Dalal, Biswajit; Saha, Rafikul Ali; Datta, Raktim; Majumdar, Subham; De, Subodh Kumar	Magnetic and transport properties of the mixed 3d-5d-4f double perovskite Sm2CoIrO6	JOURNAL OF PHYSICS-CONDENSED MATTER	0953-8984	1361-648X	J PHYS-CONDENS MAT	AUG 18	2021
203	Journal	Kumar, Krishan; Moitra, Parikshit; Bashir, Mohsin; Kondaiah, Paturu; Bhattacharya, Santanu	Natural tripeptide capped pH-sensitive gold nanoparticles for efficacious doxorubicin delivery both in vitro and in vivo	NANOSCALE	2040-3364	2040-3372	NANOSCALE	JAN 14	2020
204	Journal	Kapuria, Arijit; Mondal, Tapas Kumar; Shaw, Bikash Kumar; Su, Yan-Kuin; Saha, Shyamal K.	Polysulfide functionalized reduced graphene oxide for electrocatalytic hydrogen evolution reaction and supercapacitor applications	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	0360-3199	1879-3487	INT J HYDROGEN ENERG	MAY 26	2023
205	Journal	Chakraborty, Anuj Baran; Ganguly, Tuhin; Bera, Abhijit; Majumdar, Amit	Carboxylate Bridged Binuclear Cobalt(II) Complexes Catalyze the Hydrolysis of Thiolates to Alcohols	EUROPEAN JOURNAL OF INORGANIC CHEMISTRY	1434-1948	1099-0682	EUR J INORG CHEM	2024 APR 26	2024
206	Journal	McClarty, Paul A.; Haque, Masudul; Sen, Arnab; Richter, Johannes	Disorder-free localization and many-body quantum scars from magnetic frustration	PHYSICAL REVIEW B	2469-9950	2469-9969	PHYS REV B	DEC 8	2020
207	Journal	Safeer, Muhammed N. K.; Alex, Chandraraj; Jana, Rajkumar; Datta, Ayan; John, Neena S.	Remarkable COx tolerance of Ni3+ active species in a Ni2O3 catalyst for sustained electrochemical urea oxidation	JOURNAL OF MATERIALS CHEMISTRY A	2050-7488	2050-7496	J MATER CHEM A	FEB 22	2022
208	Journal	Hajra, Chandralekh; Mandal, Sucharita; Datta, Ayan	External Electric Field Induces a Mechanistic Crossover in the Reactivity of 1,3-Dienes with Sulfur Dioxide: Sulfolene Versus Sultine	JOURNAL OF ORGANIC CHEMISTRY	0022-3263	1520-6904	J ORG CHEM	JAN 20	2023
209	Journal	Ghosh, Catherine; Jana, Biman	Curious Case of MAD2 Protein: Diverse Folding Intermediates Leading to Alternate Native States	JOURNAL OF PHYSICAL CHEMISTRY B	1520-6106	1520-5207	J PHYS CHEM B	MAR 10	2022
210	Journal	Datta, Ayan; Hajra, Chandralekh; Mandal, Sucharita	External Electric Field Induces a Mechanistic Crossover in the Reactivity of 1,3-Dienes with Sulfur Dioxide: Sulfolene Versus Sultine	JOURNAL OF ORGANIC CHEMISTRY	0022-3263	1520-6904	J ORG CHEM	2023 JAN 4	2023
211	Journal	Dutta, Mandira; Gilbert, Susan P.; Onuchic, Jose N.; Jana, Biman	Mechanistic basis of propofol-induced disruption of kinesin processivity	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	0027-8424	1091-6490	P NATL ACAD SCI USA	FEB 2	2021
212	Journal	Debnath, Ranjit; Debbarma, Jhuma; Saha, Mitali	Design and synthesis of graphene nanoribbons from organic precursors	CHEMICAL PAPERS	0366-6352	2585-7290	CHEM PAP	JAN	2024

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213	Journal	Moitra, Parikshit; Bhagat, Deepa; Kamble, Vinayak B.; Umarji, Arun M.; Pratap, Rudra; Bhattacharya, Santanu	First example of engineered β -cyclodextrinylated MEMS devices for volatile pheromone sensing of olive fruit pests	BIOSENSORS & BIOELECTRONICS	0956-5663	1873-4235	BIOSENS BIOELECTRON	FEB 1	2021
214	Journal	Paul, Subir; Hazra, Niladri; Hazra, Soumyajit; Banerjee, Arindam	Carbon dot mediated trihybrid formation by reduction of GO and in situ gold nanocluster fabrication: photo-switching behaviour and degradation of chemical warfare agent stimulants	JOURNAL OF MATERIALS CHEMISTRY C	2050-7526	2050-7534	J MATER CHEM C	NOV 28	2020
215	Journal	Gupta, Abhishek; Gupta, Shalini; Das, Ujjal; Sinha, Surajit	Guanidinium-Functionalized Flexible Azaprolone Transporter for Efficient Intracellular Delivery of Proapoptotic Peptide and PDL1 Antisense Morpholino Oligo in Human Carcinoma Cells In Vitro	BIOCONJUGATE CHEMISTRY	1043-1802	1520-4812	BIOCONJUGATE CHEM	MAY 18	2022
216	Journal	Nad, Subhra; Jana, Rajkumar; Datta, Ayan; Malik, Sudip	Fully organic electroactive monomers for electrochromic behaviors having high coloration efficiency and long cycle stability towards flexible Solid-State electrochromic device	JOURNAL OF ELECTROANALYTICAL CHEMISTRY	1572-6657	1873-2569	J ELECTROANAL CHEM	AUG 1	2022
217	Journal	Ghosh, Arnab; Ghosh, Srijon; Ghosh, Goutam; Jana, Bikash; Patra, Amitava	Revealing Complex Relaxation Processes of Collapsed Conjugated Polymer Nanoparticles in the Presence of Different Shapes of Gold Nanoparticles Using Global and Target Analysis	JOURNAL OF PHYSICAL CHEMISTRY C	1932-7447	1932-7455	J PHYS CHEM C	DEC 3	2020
218	Journal	Dutta, Joy; Mukherjee, Soumya; Naskar, Koushik; Ghosh, Sandip; Mukherjee, Bijit; Ravi, Satyam; Adhikari, Satrajit	The role of electron-nuclear coupling on multi-state photoelectron spectra, scattering processes and phase transitions	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	1463-9076	1463-9084	PHYS CHEM CHEM PHYS	DEC 21	2020
219	Journal	Banerjee, Tanushri; Dan, Krishna; Pal, Arun K.; Bej, Raju; Datta, Ayan; Ghosh, Suhrit	Redox-Triggered Activation of Heavy-Atom-Free Photosensitizer and Implications in Targeted Photodynamic Therapy	ACS MACRO LETTERS		2161-1653	ACS MACRO LETT	JUN 28	2023
220	Journal	Das, Aatrayee; Das, Ankita; Basu, Aalok; Datta, Pallab; Gupta, Mradu; Mukherjee, Arup	Newer guar gum ester/chicken feather keratin interact films for tissue engineering	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	0141-8130	1879-0003	INT J BIOL MACROMOL	JUN 1	2021
221	Journal	Kundu, Jayanta; Banerjee, Priyanjalee; Bose, Chandra; Das, Ujjal; Ghosh, Ujjwal; Sinha, Surajit	Internal Oligoguanidinium Transporter: Mercury-Free Scalable Synthesis, Improvement of Cellular Localization, Endosomal Escape, Mitochondrial Localization, and Conjugation with Antisense Morpholino for NANOG Inhibition to Induce Chemosensitization of Taxol in MCF-7 Cells	BIOCONJUGATE CHEMISTRY	1043-1802	1520-4812	BIOCONJUGATE CHEM	OCT	2020
222	Journal	Pariyani, Raghunath; Kortensniemi, Maaria; Liimatainen, Jaana; Sinkkonen, Jari; Yang, Baoru	Untargeted metabolic fingerprinting reveals impact of growth stage and location on composition of sea buckthorn (Hippophae rhamnoides) leaves	JOURNAL OF FOOD SCIENCE	0022-1147	1750-3841	J FOOD SCI	FEB	2020
223	Journal	Chakraborty, Sikta; Kolay, Sarita; Maity, Subarna; Patra, Amitava	Copper Nanoclusters as Multienzymes Mimic Activities of Oxidase and Ascorbic Acid Oxidase in the Presence of Imidazole	LANGMUIR	0743-7463	1520-5827	LANGMUIR	DEC 16	2023
224	Journal	Li, Kuiping; Yu, Weidong; Yang, Yang; Feng, Lin; Liu, Shouhua; Li, Lili	Spring Barrier to the MJO Eastward Propagation	GEOPHYSICAL RESEARCH LETTERS	0094-8276	1944-8007	GEOPHYS RES LETT	JUL 16	2020

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225	Journal	Ghosh, Srijon; Ghosh, Arnab; Ghosh, Goutam; Marjit, Kritiman; Patra, Amitava	Deciphering the Relaxation Mechanism of Red-Emitting Carbon Dots Using Ultrafast Spectroscopy and Global Target Analysis	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	1948-7185		J PHYS CHEM LETT	AUG 26	2021
226	Journal	Kar, Arpan; Kumar, Tanmoy; Roy, Sourov; Zupan, Jure	Searching for relativistic axions in the sky	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	1475-7516		J COSMOL ASTROPART P	AUG	2023
227	Journal	Samanta, Subha; Maity, Anupam; Chatterjee, Soumi; Giri, Saurav; Chakravorty, Dipankar	Composites of nanodimensional glass in the system Na ₂ O-SiO ₂ /Mesoporous silica and their high ionic conductivity	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	0022-3697	1879-2553	J PHYS CHEM SOLIDS	JUL	2020
228	Journal	Gupta, Shalini; Qasim, Md; Gupta, Abhishek; Kundu, Jayanta; Sinha, Surajit	Structural Modifications to the Internal Oligoguanidinium Transporter Uncover Two Potent Analogues that Effectively Deliver the Proapoptotic Peptide in Multiple Cancer Cell Lines	BIOCONJUGATE CHEMISTRY	1043-1802	1520-4812	BIOCONJUGATE CHEM	JAN 19	2022
229	Journal	Das, Sabuj Kanti; Chowdhury, Avik; Bhunia, Koushik; Ghosh, Anirban; Chakraborty, Debabrata; Das, Manisha; Kayal, Utpal; Modak, Arindam; Pradhan, Debabrata; Bhaumik, Asim	Ni(II) and Cu(II) grafted porphyrin-pyrene based conjugated microporous polymers as bifunctional electrocatalysts for overall water splitting	ELECTROCHIMICA ACTA	0013-4686	1873-3859	ELECTROCHIM ACTA	AUG 10	2023
230	Journal	Pandey, Manish K.; Gangurde, Sunil S.; Shasidhar, Yaduru; Sharma, Vinay; Kale, Sandip M.; Khan, Aamir W.; Shah, Priya; Joshi, Pushpesh; Bhat, Ramesh S.; Janila, Pasupuleti; Bera, Sandip K.; Varshney, Rajeev K.	High-throughput diagnostic markers for foliar fungal disease resistance and high oleic acid content in groundnut	BMC PLANT BIOLOGY	1471-2229		BMC PLANT BIOL	APR 10	2024
231	Journal	Kalita, Rinku Moni; Nandy, Subrata; Srinet, Ritika; Nath, Arun Jyoti; Das, Ashesh Kumar	Mapping the spatial distribution of aboveground biomass of tea agroforestry systems using random forest algorithm in Barak valley, Northeast India	AGROFORESTRY SYSTEMS	0167-4366	1572-9680	AGROFOREST SYST	DEC	2022
232	Journal	Dey, Nilanjan; Kulhanek, Jiri; Bures, Filip; Bhattacharya, Santanu	Imidazole-Functionalized Y-Shaped Push-Pull Dye for Nerve Agent Sensing as well as a Catalyst for Their Detoxification	JOURNAL OF ORGANIC CHEMISTRY	0022-3263	1520-6904	J ORG CHEM	NOV 5	2021
233	Journal	Bera, Suman; Behera, Rakesh Kumar; Dutta, Sumit Kumar; Pradhan, Narayan	Benzoyl Versus Phenacyl Bromide: The Strategic Differences in Halide Perovskite Nanocrystals Design	ACS MATERIALS LETTERS		2639-4979	ACS MATER LETT	2023 APR 3	2023
234	Journal	Mondal, Biplab; Gupta, Vivek Kumar; Hansda, Biswanath; Bhoulmik, Arpita; Mondal, Tanushree; Majumder, Hemanta K.; Edwards-Gayle, Charlotte J. C.; Hamley, Ian W.; Jaisankar, Parasuraman; Banerjee, Arindam	Amino acid containing amphiphilic hydrogelators with antibacterial and antiparasitic activities	SOFT MATTER	1744-683X	1744-6848	SOFT MATTER	SEP 28	2022

Sl. No.	Publication Type	Author Full Names	Article Title	Source Title	ISSN	eISSN	Journal Abbreviation	Publication Date	Publication Year
235	Journal	Biswas, Biswajit; Singh, Prashant Chandra	Restructuring of Membrane Water and Phospholipids in Direct Interaction of Neurotransmitters with Model Membranes Associated with Synaptic Signaling: Interface-Selective Vibrational Sum Frequency Generation Study	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	1948-7185		J PHYS CHEM LETT	MAR 25	2021
236	Journal	Chen, H.; Tao, C.; Revil, A.; Zhu, Z.; Zhou, J.; Wu, T.; Deng, X.	Induced Polarization and Magnetic Responses of Serpentinized Ultramafic Rocks From Mid-Ocean Ridges	JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH	2169-9313	2169-9356	J GEOPHYS RES-SOL EA	DEC	2021
237	Journal	Krishnan, Nagendran; Kumari, Shweta; Chaubey, Tribhuvan; Kumar, R. Vinoth; Chinnappa, Manimurugan; Dubey, Vikas; Pandey, Koshlendra Kumar; Singh, Jagdish; Singh, Achuit Kumar	Study on mosaic disease of sponge gourd (Luffa cylindrica L.) caused by tomato leaf curl New Delhi virus	JOURNAL OF PLANT PATHOLOGY	1125-4653	2239-7264	J PLANT PATHOL	MAY	2023
238	Journal	Ghosh, Sourav; Jana, Rajkumar; Ganguli, Sagar; Inta, Harish Reddy; Tudu, Gouri; Koppiseti, Heramba V. S. R. M.; Datta, Ayan; Mahalingam, Venkataramanan	Nickel-cobalt oxalate as an efficient non-precious electrocatalyst for an improved alkaline oxygen evolution reaction	NANOSCALE ADVANCES	2516-0230		NANOSCALE ADV	JUL 7	2021
239	Journal	Mahajan, Gopal Ramdas; Das, Bappa; Manivannan, Sandrasekaran; Manjunath, Begur Lakshminarasimha; Verma, Ram Ratan; Desai, Sujeet; Kulkarni, Rahul Mukund; Latore, Ashish Marotrao; Sale, Reshma; Murgaonkar, Dayesh; Patel, Kiran Puna; Morajkar, Shaiesh; Desai, Ashwini; Barnes, Natasha; Mulla, Heena	Soil and water conservation measures improve soil carbon sequestration and soil quality under cashews	INTERNATIONAL JOURNAL OF SEDIMENT RESEARCH	1001-6279		INT J SEDIMENT RES	APR	2021
240	Journal	Majumder, Chinmoy; Mondal, Tapas Kumar; Bhattacharya, Shatabda; Saha, Shyamal K.	Observation of room temperature metal free ferromagnetism in sulfur doped graphitic carbon nitride	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	0304-8853	1873-4766	J MAGN MAGN MATER	OCT 1	2022
241	Journal	Chowdhury, Avik; Das, Sabuj Kanti; Mondal, Saptarsi; Ruidas, Santu; Chakraborty, Debabrata; Chatterjee, Sauvik; Bhunia, Manas K.; Chandra, Debraj; Hara, Michikazu; Bhaumik, Asim	Sulfur-containing nitrogen-rich robust hierarchically porous organic polymer for adsorptive removal of mercury: experimental and theoretical insights	ENVIRONMENTAL SCIENCE-NANO	2051-8153	2051-8161	ENVIRON SCI-NANO	SEP 1	2021
242	Journal	Santra, Supriyo; Ray, Jyotirmoy; Ghosh, Debashree	Mechanism of Singlet Fission in Carotenoids from a Polyene Model System	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	1948-7185		J PHYS CHEM LETT	2022 JUL 20	2022
243	Journal	Jamadar, Akshoy; Das, Anindita	A pH-responsive graftable supramolecular polymer with tailorable surface functionality by orthogonal halogen bonding and hydrogen bonding	POLYMER CHEMISTRY	1759-9954	1759-9962	POLYM CHEM-UK	JAN 14	2020

Sl. No.	Publication Type	Author Full Names	Article Title	Source Title	ISSN	eISSN	Journal Abbreviation	Publication Date	Publication Year
244	Journal	Rajak, Aritra; Karan, Chandan Kumar; Theato, Patrick; Das, Anindita	Supramolecularly cross-linked amphiphilic block copolymer assembly by the dipolar interaction of a merocyanine dye	POLYMER CHEMISTRY	1759-9954	1759-9962	POLYM CHEM-UK	JAN 21	2020
245	Journal	Chakraborty, Saptarshi; Khamrui, Rajesh; Ghosh, Suhrit	Redox responsive activity regulation in exceptionally stable supramolecular assembly and co-assembly of a protein	CHEMICAL SCIENCE	2041-6520	2041-6539	CHEM SCI	JAN 21	2021
246	Journal	Ganguly, Tuhin; Bera, Abhijit; Chakraborty, Anuj Baran; Majumdar, Amit	Catalytic Hydrolysis of Thiolates to Alcohols	INORGANIC CHEMISTRY	0020-1669	1520-510X	INORG CHEM	MAY 16	2022
247	Journal	Das, Surajit; Mondal, Bhargab P.; Ranjan, Priya; Datta, Anuja	High-Performance Paper-Based Thermoelectric Generator from Cu ₂ SnS ₃ Nanocubes and Bulk-Traced Bismuth	ACS APPLIED MATERIALS & INTERFACES	1944-8244	1944-8252	ACS APPL MATER INTER	NOV 27	2023
248	Journal	Hansda, Biswanath; Mondal, Biplab; Hazra, Soumyajit; Das, Krishna Sundar; Castelletto, Valeria; Hamley, Ian W.; Banerjee, Arindam	Effect of molar ratio and concentration on the rheological properties of two-component supramolecular hydrogels: tuning of the morphological and drug releasing behaviour	SOFT MATTER	1744-683X	1744-6848	SOFT MATTER	NOV 1	2023
249	Journal	Das, Debolina; Choudhury, Tirthankar	Step-edge guided growth of nanowires on three-fold symmetric vicinal Si(111) surfaces	BULLETIN OF MATERIALS SCIENCE	0250-4707	0973-7669	B MATER SCI	FEB 26	2020
250	Journal	Wang, Juan; Zhang, Baoshuai; Xi, Lin; Hu, Songmei; Zhang, Yuanjuan; Fan, Anchuan	Investigation of red substances applied to chank shell beads from prehistoric site of Qulong in Ngari Prefecture, Tibet, China	FRONTIERS IN EARTH SCIENCE		2296-6463	FRONT EARTH SC-SWITZ	JAN 26	2023
251	Journal	Bera, Suman; Shyamal, Sanjib; Pradhan, Narayan	Chemically Spiraling CsPbBr ₃ Perovskite Nanorods	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	0002-7863	1520-5126	J AM CHEM SOC	SEP 15	2021
252	Journal	Shingdilwar, Shashikant; Dolui, Subrata; Banerjee, Sanjib	Facile Fabrication of Functional Mesoporous Polymer Nanospheres for CO ₂ Capture	INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	0888-5885		IND ENG CHEM RES	JAN 19	2022
253	Journal	Goyal, Shubham; Dhanker, Raunak; Hussain, Touseef; Ferreira, Alice; Gouveia, Luisa; Kumar, Krishna; Mohamed, Heba I.	Modern Advancement in Biotechnological Applications for Wastewater Treatment through Microalgae: a Review	WATER AIR AND SOIL POLLUTION	0049-6979	1573-2932	WATER AIR SOIL POLL	JUL	2023
254	Journal	Halder, Nyancy; Dzhemileva, Lilya U.; Ramazanov, Ilfir R.; D'yakonov, Vladimir A.; Dzhemilev, Usein M.; Rath, Harapriya	Comparative in vitro Studies of the Topoisomerase I Inhibition and Anticancer Activities of Metallated N-Confused Porphyrins and Metallated Porphyrins	CHEMMEDCHEM	1860-7179	1860-7187	CHEMMEDCHEM	APR 3	2020
255	Journal	Mukherjee, Soumya; Ravi, Satyam; Dutta, Joy; Sardar, Subhankar; Adhikari, Satrajit	Beyond Born-Oppenheimer based diabatic surfaces of 1,3,5-C ₆ H ₃ F ₃ ⁺ to generate the photoelectron spectra using time-dependent discrete variable representation approach	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	1463-9076	1463-9084	PHYS CHEM CHEM PHYS	JAN 26	2022
256	Journal	Bera, Suman; Banerjee, Souvik; Das, Rajdeep; Pradhan, Narayan	Tuning Crystal Plane Orientation in Multijunction and Hexagonal Single Crystalline CsPbBr ₃ Perovskite Disc Nanocrystals	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	0002-7863	1520-5126	J AM CHEM SOC	APR 27	2022
257	Journal	Dey, Mandira; Ghosh, Debashree	Curious Case of Singlet Triplet Gaps in Nonlinear Polyaromatic Hydrocarbons	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	1948-7185		J PHYS CHEM LETT	DEC 22	2022
258	Journal	Ghosh, Goutam; Dey, Pradip; Ghosh, Suhrit	Controlled supramolecular polymerization of π -systems	CHEMICAL COMMUNICATIONS	1359-7345	1364-548X	CHEM COMMUN	JUN 25	2020

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259	Journal	Pal, Sudeshna; Jana, Madhurima; Chowdhury, Monalisa; Das, Prasanta Kumar	Selective Sensing of Epinephrine by Phenylboronic Acid Tethered Carbon Dot	CHEMISTRY-AN ASIAN JOURNAL	1861-4728	1861-471X	CHEM-ASIAN J	AUG 1	2023
260	Journal	Rajdev, Priya; Dey, Pradip; Ghosh, Indranil; Khamrui, Rajesh; Kar, Joy; Jana, Siddhartha Sankar; Ghosh, Suhrit	Shape-Dependent Cellular Uptake of Nanostructures Produced from Supramolecular Structure-Directing Unit-Appended Hydrophilic Polymers	ACS MACRO LETTERS		2161-1653	ACS MACRO LETT	DEC 21	2021
261	Journal	Majumdar, Santanu; Mukherjee, Debosmita; Lepcha, Gerald; Saha, Kunal Kumar; Das, Krishna Sundar; Pal, Indrajit; Mandal, Narayan Chandra; Dey, Biswajit	Itaconic and citraconic acid directed thixotropic and self-healable supramolecular metallogels of M(ii) (M = Co, Cu, Zn, and Cd) for the growth-inhibitory potency against human pathogenic microbes	NEW JOURNAL OF CHEMISTRY	1144-0546	1369-9261	NEW J CHEM	MAY 22	2023
262	Journal	Banerjee, Palash; Pal, Pulak; Ghosh, Aswini; Mandal, Tarun K.	Ion transport and relaxation in phosphonium poly(ionic liquid) homo- and co-polymers	JOURNAL OF POLYMER SCIENCE	2642-4150	2642-4169	J POLYM SCI	JUL 15	2021
263	Journal	Bej, Raju; Dey, Pradip; Ghosh, Suhrit	Disulfide chemistry in responsive aggregation of amphiphilic systems	SOFT MATTER	1744-683X	1744-6848	SOFT MATTER	JAN 7	2020
264	Journal	Pal, Prasanta; Datta, Ayan; Jana, Rajkumar; Malik, Sudip	Solid-state emissive Zn ²⁺ -directed metallo-supramolecular polymers of bis-terpyridine appended aryl substituted buta-1,3-diene derivatives: Synthesis, photo-physical and electrochemical properties	EUROPEAN POLYMER JOURNAL	0014-3057	1873-1945	EUR POLYM J	JUL 24	2023
265	Journal	Naskar, Tilak; Pal, Nabendu; Majumdar, Amit	Synthesis and redox reactions of binuclear zinc(ii)-thiolate complexes with elemental sulfur	NEW JOURNAL OF CHEMISTRY	1144-0546	1369-9261	NEW J CHEM	DEC 6	2021
266	Journal	Dutta, Joy; Mandal, Souvik; Adhikari, Satrajit; Spiering, Paul; Meyer, Jorg; Somers, Mark F.	Effect of surface temperature on quantum dynamics of H ₂ on Cu(111) using a chemically accurate potential energy surface	JOURNAL OF CHEMICAL PHYSICS	0021-9606	1089-7690	J CHEM PHYS	MAR 14	2021
267	Journal	Brakel, Janina; Sibonga, Rema C.; Dumilag, Richard, V; Montalescot, Valeria; Campbell, Iona; Cottier-Cook, Elizabeth J.; Ward, Georgia; Le Masson, Virginie; Liu, Tao; Msuya, Flower E.; Brodie, Juliet; Lim, Phaik-Eem; Gachon, Claire M. M.	Exploring, harnessing and conserving marine genetic resources towards a sustainable seaweed aquaculture	PLANTS PEOPLE PLANET		2572-2611	PLANTS PEOPLE PLANET	JUL	2021
268	Journal	Roy, Ria Sinha; Banerjee, Soumadip; Ghosh, Suniti; Ghosh, Avik; Das, Abhijit K.	A comparative study of electronic structure, adsorption properties, and optical responses of furan and tetrahydrofuran adsorbed pristine, Al and Ga doped B12X12 (X=N and P) nanocages	JOURNAL OF MOLECULAR STRUCTURE	0022-2860	1872-8014	J MOL STRUCT	JAN 15	2024
269	Journal	Ghosh, Goutam; Marjit, Kritiman; Ghosh, Srijon; Patra, Amitava	Hot Carrier Cooling and Biexciton Dynamics of Anisotropic-Shaped CsPbBr ₃ Perovskite Nanocrystals	JOURNAL OF PHYSICAL CHEMISTRY C	1932-7447	1932-7455	J PHYS CHEM C	MAY 11	2023
270	Journal	Datta, Raktim; Pradhan, Suman Kalyan; Majumdar, Subham; De, Subodh Kumar	Observation of two magnetic transitions and conventional exchange bias effect in high dielectric iridate La ₂ Cu _{0.9} Mn _{0.1} IrO ₆	SOLID STATE SCIENCES	1293-2558	1873-3085	SOLID STATE SCI	JUL	2022
271	Journal	Patra, Bidhan Chandra; Datta, Subhasis; Bhattacharya, Santanu	A Stimuli-Responsive Dual-Emitting Covalent Organic Framework Shows Selective Sensing of Highly Corrosive Acidic Media via Fluorescence Turn-On Signal with White Light Emission	ACS APPLIED MATERIALS & INTERFACES	1944-8244	1944-8252	ACS APPL MATER INTER	FEB 5	2024

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272	Journal	Goswami, Koushik; Chakraborty, Amrita; Sinha, Surajit; Jana, Anupam	Recent Advances in the Palladium-Catalyzed Synthesis of Unnatural Tryptophans	EUROPEAN JOURNAL OF ORGANIC CHEMISTRY	1434-193X	1099-0690	EUR J ORG CHEM	2024 JAN 12	2024
273	Journal	Ghosh, Srijon; Marjit, Kritiman; Ghosh, Goutam; Ghosh, Debarati; Patra, Amitava	Ultrafast Photoinduced Dynamics of Quaterthiophene-Squaraine Hybrid Aggregates	JOURNAL OF PHYSICAL CHEMISTRY C	1932-7447	1932-7455	J PHYS CHEM C	MAY 16	2023
274	Journal	Pandian, R. Thava Prakasa; Thube, Shivaji Hausrao; Bhavishya; Babu, Merin; Rajashekara, H.; Madhu, T. N.; Diwakar, Y.; Santhoshkumar, P.; Nirmalkumar, B. J.; Patil, Balanagouda; Hegde, V.	Colletotrichum kahawae subsp. cigarro causing leaf spot disease on arecanut, Areca catechu L. in India: A first report	CROP PROTECTION	0261-2194	1873-6904	CROP PROT	MAY	2024
275	Journal	Saha, Rafikul Ali; Halder, Anita; Fu, Desheng; Itoh, Mitsuru; Saha-Dasgupta, Tanusri; Ray, Sugata	The Critical Role of Stereochemically Active Lone Pair in Introducing High Temperature Ferroelectricity	INORGANIC CHEMISTRY	0020-1669	1520-510X	INORG CHEM	MAR 15	2021
276	Journal	Escriba-Gelonch, Marc; Butler, Gregory Dean; Goswami, Arunava; Tran, Nam Nghiep; Hessel, Volker	Definition of agronomic circular economy metrics and use for assessment for a nanofertilizer case study	PLANT PHYSIOLOGY AND BIOCHEMISTRY	0981-9428	1873-2690	PLANT PHYSIOL BIOCH	MAR	2023
277	Journal	Anas, Mahammad; Mandal, Tarun K.	Side-chain functionality driven thermoresponsive and semicrystalline poly (L-glutamate)s and self-assembly	EUROPEAN POLYMER JOURNAL	0014-3057	1873-1945	EUR POLYM J	NOV 3	2023
278	Journal	Pal, Arun K.; Bhattacharyya, Kalishankar; Datta, Ayan	Polymorphism Dependent 9-Phosphoanthracene Derivative Exhibiting Thermally Activated Delayed Fluorescence: A Computational Investigation	JOURNAL OF PHYSICAL CHEMISTRY A	1089-5639	1520-5215	J PHYS CHEM A	DEC 31	2020
279	Journal	Mondal, Suman; Dutta, Prabir; Majumdar, Subham	Magnetotransport and magnetocaloric effect in Gd3In	MATERIALS TODAY-PROCEEDINGS	2214-7853		MATER TODAY-PROC		2022
280	Journal	Laha, Pinaki; Mahato, Bipul Kumar; Gayen, Rabindranath; Datta, Subhadeep; Rawat, Rajdeep Singh	Magnetization reversal in chemically synthesized chains of permalloy nanospheres	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	0947-8396	1432-0630	APPL PHYS A-MATER	MAY	2022
281	Journal	Das, Sabuj Kanti; Shyamal, Sanjib; Das, Manisha; Mondal, Saptarsi; Chowdhury, Avik; Chakraborty, Debabrata; Dey, Ramendra Sundar; Bhaumik, Asim	Metal-Free Pyrene-Based Conjugated Microporous Polymer Catalyst Bearing N- and S-Sites for Photoelectrochemical Oxygen Evolution Reaction	FRONTIERS IN CHEMISTRY	2296-2646		FRONT CHEM	DEC 24	2021
282	Journal	Arumugam, Ponraj; Chemura, Abel; Schaubberger, Bernhard; Gornott, Christoph	Near Real-Time Biophysical Rice (Oryza sativa L.) Yield Estimation to Support Crop Insurance Implementation in India	AGRONOMY-BASEL		2073-4395	AGRONOMY-BASEL	NOV	2020
283	Journal	Bairagi, Dipayan; Hazra, Soumyajit; Basu, Kingshuk; Banerjee, Arindam	A Nanohybrid Containing Cyan-Emitting Copper Nanoclusters and TiO2 Nanoparticles: Tuning of Optoelectronic Properties	CHEMISTRYSELECT	2365-6549		CHEMISTRYSELECT	AUG 12	2022
284	Journal	Lahiri, Avishek; Sanyal, Debarshi Kumar; Mukherjee, Imon	CITEPROMPT: Using Prompts to Identify Citation Intent in Scientific Papers	2023 ACM/IEEE JOINT CONFERENCE ON DIGITAL LIBRARIES, JCDL	2575-7865	2575-8152	ACM-IEEE J CONF DIG		2023
285	Journal	Hudait, Biswajit; Dutta, Sumit Kumar; Patra, Avijit; Nasipuri, Diptam; Pradhan, Narayan	Facets Directed Connecting Perovskite Nanocrystals	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	0002-7863	1520-5126	J AM CHEM SOC	APR 15	2020

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286	Journal	Dutta, Joy; Naskar, Koushik; Adhikari, Satrajit; Meyer, Jorg; Somers, Mark F.	Effect of surface temperature on quantum dynamics of D2 on Cu(111) using a chemically accurate potential energy surface	JOURNAL OF CHEMICAL PHYSICS	0021-9606	1089-7690	J CHEM PHYS	NOV 21	2022
287	Journal	Ghosh, Suniti; Ghosh, Avik; Banerjee, Soumadip; Das, Abhijit K.	Conversion of primary alcohol to ester in presence of Ruthenium(II)-PNP pincer complex and comparison with isoelectronic (PNP)Os and (PNP)Rh+ complexes: A computational study	MOLECULAR CATALYSIS	2468-8231		MOL CATAL	OCT	2023
288	Journal	Atta, Sayan; Majumdar, Amit Sharma, Himangshu; Ganguly, Swapnamoy; Sahana, Moinul Haque; Goswami, Rajib Kumar	Redox Convergent Synthesis and Reactivity of a Cobalt(III)-Pentasulfido Compound	CHEMISTRY-A EUROPEAN JOURNAL	0947-6539	1521-3765	CHEM-EUR J	JUN 7	2023
289	Journal	Sah, Mantu Kumar; Mukherjee, Soumya; Saha, Swagato; Naskar, Koushik; Adhikari, Satrajit	Stereoselective synthesis of thailandamide A methyl ester	ORGANIC & BIOMOLECULAR CHEMISTRY	1477-0520	1477-0539	ORG BIOMOL CHEM	FEB 14	2024
290	Journal	Bera, Arnab; Kundu, Mohan; Das, Bikash; Kalimuddin, Sk; Bera, Satyabrata; Roy, Deep Singha; Pradhan, Suman Kalyan; Naskar, Sanjib; De, Subodh Kumar; Das, Biswajit; Mondal, Mintu	Photoelectron spectra of benzene: Can path dependent diabatic surfaces provide unique observables?	JOURNAL OF CHEMICAL PHYSICS	0021-9606	1089-7690	J CHEM PHYS	DEC 28	2023
291	Journal	Datta, Raktim; Pradhan, Suman Kalyan; Saha, Rafikul Ali; Kumar, Ravi; Majumdar, Subham; De, Subodh Kumar	Emergence of electric field-induced conducting states in single-crystalline MoTe2 nanoflakes and its application in memristive devices	APPLIED SURFACE SCIENCE	0169-4332	1873-5584	APPL SURF SCI	FEB 1	2023
292	Journal	Datta, Raktim; Pradhan, Suman Kalyan; Chatterjee, Souvik; Majumdar, Subham; De, Subodh Kumar	A combined study on structural, magnetic and specific heat on double perovskite iridates Ln2CoIrO6 [Ln = Pr, Nd]	JOURNAL OF PHYSICS-CONDENSED MATTER	0953-8984	1361-648X	J PHYS-CONDENS MAT	MAR 29	2023
293	Journal	Bejoy, Namitha Brijit; Patwari, G. Naresh	Dielectric and impedance spectroscopy of Sm2CoIrO6 double perovskite	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	1873-4669	J ALLOY COMPD	SEP 25	2021
294	Journal	Bhakat, Manotosh; Khatua, Bitasik; Guin, Joyram	Photodegradation of Flutamide and Halogen Derivatives of Nitrobenzotrifluoride: The NO Release Channel	JOURNAL OF PHYSICAL CHEMISTRY A	1089-5639	1520-5215	J PHYS CHEM A	AUG 17	2023
295	Journal	Karmakar, Mintu; Chatterjee, Swarnajit; Paul, Raja; Rieger, Heiko	Photocatalytic Aerobic Coupling of Azaarenes and Alkanes via Nontraditional Cl• Generation	ORGANIC LETTERS	1523-7060	1523-7052	ORG LETT	JUL 29	2022
296	Journal	Bhunia, Sarmistha; Ghatak, Arnab; Dey, Abhishek	Consequence of anisotropy on flocking: the discretized Vicsek model	NEW JOURNAL OF PHYSICS	1367-2630		NEW J PHYS	APR 1	2024
297	Journal	Rusekwa, Sadock B.; Campbell, Iona; Msuya, Flower E.; Buriyo, Amelia S.; Cottier-Cook, Elizabeth J.	Second Sphere Effects on Oxygen Reduction and Peroxide Activation by Mononuclear Iron Porphyrins and Related Systems	CHEMICAL REVIEWS	0009-2665	1520-6890	CHEM REV	2022 APR 11	2022
298	Journal	Bera, Rajesh; Medda, Anusri; Dutta, Avisek; Sain, Sumanta; Patra, Amitava	Identification of Nonradiative Relaxation Processes in Alloy Nanocrystals	JOURNAL OF PHYSICAL CHEMISTRY C	1932-7447	1932-7455	J PHYS CHEM C	AUG 27	2020
299	Journal		Biosecurity policy and legislation of the seaweed aquaculture industry in Tanzania	JOURNAL OF APPLIED PHYCOLOGY	0921-8971	1573-5176	J APPL PHYCOL	DEC	2020

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300	Journal	Maji, Ujjwal; Mondal, Bhaskar Deb; Guin, Joyram	Asymmetric Aminative Dearomatization of 2-Naphthols via Non-covalent N-Heterocyclic Carbene Catalysis	ORGANIC LETTERS	1523-7060	1523-7052	ORG LETT	APR 7	2023
301	Journal	Biswas, Subhendu; Das, Anindita	A Versatile Step-Growth Polymerization Route to Functional Polyesters from an Activated Diester Monomer	CHEMISTRY-A EUROPEAN JOURNAL	0947-6539	1521-3765	CHEM-EUR J	MAR 16	2023
302	Journal	Banerjee, Suparna; Mahesh, Yeshwanth; Prabhu, Dharmodharan; Sekar, Kanagaraj; Sen, Prosenjit	Identification of potent anti-fibrinolytic compounds against plasminogen and tissue-type plasminogen activator employing in silico approaches	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	0739-1102	1538-0254	J BIOMOL STRUCT DYN	APR 12	2024
303	Journal	Banerjee, Arnab; Paul, Goutam	Room-temperature Magnetoresistance in Hybrid Halide Perovskites: Effect of Spin-Orbit Coupling	PHYSICAL REVIEW APPLIED	2331-7019		PHYS REV APPL	DEC 4	2020
304	Journal	Mondal, Bodhisatwa; Bera, Rajesh; Ghosh, Srijon; Nayak, Sandip K.; Patra, Amitava	Investigation of Morphology-Controlled Ultrafast Relaxation Processes of Aggregated Porphyrin	CHEMPHYSCHEM	1439-4235	1439-7641	CHEMPHYSCHEM	OCT 2	2020
305	Journal	Mondal, Bhargab P.; Mukherjee, Anurag; Ghosh, Suhrit; Datta, Anuja	Stable Room Temperature Thermoelectric Properties in a Supramolecular Assembly of an n-Type Naphthalene-diimide-based Amphiphile	CHEMNANOMAT	2199-692X		CHEMNANOMAT	FEB	2022
306	Journal	Dey, Jayanta; Paul, Subhasis; Bhakat, Manotosh; Guin, Joyram	Photocatalytic Incorporation of an Oxime Ether Functional Group at Inert C(sp ³)-H Bonds via HAT	ORGANIC LETTERS	1523-7060	1523-7052	ORG LETT	NOV 4	2022
307	Journal	Ghosh, Srijon; Chakraborty, Sandipan; Ghosh, Arnab; Marjit, Kritiman; Ghosh, Goutam; Patra, Amitava	Ultrafast Relaxation Dynamics of Conjugated Polymer Nanoparticles by Tuning Their Interchain Interactions	JOURNAL OF PHYSICAL CHEMISTRY C	1932-7447	1932-7455	J PHYS CHEM C	OCT 27	2022
308	Journal	Bhakat, Manotosh; Khatua, Bitasik; Biswas, Promita; Guin, Joyram	Brønsted Acid-Promoted Intermolecular Dearomative Photocycloaddition of Bicyclic Azaarenes with Olefins under Aerobic Conditions	ORGANIC LETTERS	1523-7060	1523-7052	ORG LETT	MAY 5	2023
309	Journal	Mukherjee, Anurag; Barman, Ranajit; Das, Bidisa; Ghosh, Suhrit	Highly Efficient Biofilm Eradication by Antibacterial Two-Dimensional Supramolecular Polymers	CHEMISTRY OF MATERIALS	0897-4756	1520-5002	CHEM MATER	NOV 23	2021
310	Journal	Bera, Suman; Patra, Avijit; Shyamal, Sanjib; Nasipuri, Diptam; Pradhan, Narayan	Lead Halide Perovskite Cube Coupled Star Nanocrystal Photocatalysts	ACS ENERGY LETTERS	2380-8195		ACS ENERGY LETT	SEP 9	2022
311	Journal	Halder, Debdata; Mallick, Ditipriya; Chatterjee, Ananya; Jana, Siddhartha S.	Nonmuscle Myosin II in cancer cell migration and mechanotransduction	INTERNATIONAL JOURNAL OF BIOCHEMISTRY & CELL BIOLOGY	1357-2725	1878-5875	INT J BIOCHEM CELL B	OCT	2021
312	Journal	Ghosh, Dibyendu; Devi, Pooja; Kushwaha, Omkar Singh; Kumar, Rajnish; Kumar, Praveen	In Operando Generation and Storage of Hydrogen by Coupling Monolithically Integrated Photoelectrochemical Cell with Clathrate Hydrates Molecular Storage	ACS APPLIED ENERGY MATERIALS	2574-0962		ACS APPL ENERG MATER	JUL 27	2020
313	Journal	Bose, Chandra; Banerjee, Priyanjalee; Kundu, Jayanta; Dutta, Biswadeb; Ghosh, Indranil; Sinha, Shreya; Ghosh, Argha; Barua, Abhishek; Gupta, Shalini; Das, Ujjal; Jana, Siddhartha S.; Sinha, Surajit	Evaluation of a Tubulin-Targeted Pyrimidine Indole Hybrid Molecule as an Anticancer Agent	CHEMISTRYSELECT	2365-6549		CHEMISTRYSELECT	NOV 30	2020

Sl. No.	Publication Type	Author Full Names	Article Title	Source Title	ISSN	eISSN	Journal Abbreviation	Publication Date	Publication Year
314	Journal	Biswas, Protap; Dutta, Abhishek; Dastidar, Parthasarathi	Design, Synthesis, and Structural Insights of a Series of Zn(II)-NSAID Based Coordination Complex Derived Metallogels and Their Plausible Applications in Self Drug Delivery	CRYSTAL GROWTH & DESIGN	1528-7483	1528-7505	CRYST GROWTH DES	JAN 4	2023
315	Journal	Samanta, Soumya; Sengupta, Srijan; Biswas, Saptarshi; Ghosh, Sucheta; Barman, Sudip; Dey, Abhishek	Iron Dioxigen Adduct Formed during Electrochemical Oxygen Reduction by Iron Porphyrins Shows Catalytic Heme Dioxigenase Reactivity	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	0002-7863	1520-5126	J AM CHEM SOC	NOV 23	2023
316	Journal	Kumar, Suresh; Seem, Karishma; Kumar, Santosh; Singh, Archana; Krishnan, S. Gopala; Mohapatra, Trilochan	DNA methylome analysis provides insights into gene regulatory mechanism for better performance of rice under fluctuating environmental conditions: epigenomics of adaptive plasticity	PLANTA	0032-0935	1432-2048	PLANTA	JAN	2024
317	Journal	Garai, Arghyadeep; Vishnu, E. Krishnan; Banerjee, Souvik; Nair, Anoop Ajaya Kumar; Bera, Suman; Thomas, K. George; Pradhan, Narayan	Vertex-Oriented Cube-Connected Pattern in CsPbBr ₃ Perovskite Nanorods and Their Optical Properties: An Ensemble to Single-Particle Study	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	0002-7863	1520-5126	J AM CHEM SOC	JUN 15	2023
318	Journal	Wilts, Holly D. M.; Burton, David L.; Farooque, Aitazaz A.; Schroeder, William R.; Murray, Brian; Murphy, Emily K.; Ramsay, Matthew	Economic potential of agricultural-riparian shrub willow: An evaluation of the biomass producing capabilities and costs of cultivating Salix viminalis downslope of potato cropping systems in PEI	BIOMASS & BIOENERGY	0961-9534	1873-2909	BIOMASS BIOENERG	APR	2024
319	Journal	Mandal, Nilangshu; Das, Ankita; Hajra, Chandralekha; Datta, Ayan	Stereoelectronic and dynamical effects dictate nitrogen inversion during valence isomerism in benzene imine	CHEMICAL SCIENCE	2041-6520	2041-6539	CHEM SCI	JAN 19	2022
320	Journal	Kar, Joy; Kar, Sumanta; Gupta, Arnab; Jana, Siddhartha S.	Assembly and disassembly dynamics of nonmuscle myosin II control endosomal fission	CELL REPORTS	2211-1247		CELL REP	FEB 28	2023
321	Journal	Manna, Utsab; Roy, Rajdip; Datta, Hemanta Kumar; Dastidar, Parthasarathi	Supramolecular Gels from Bis-amides of L-Phenylalanine: Synthesis, Structure and Material Applications	CHEMISTRY-AN ASIAN JOURNAL	1861-4728	1861-471X	CHEM-ASIAN J	OCT 4	2022
322	Journal	Karmakar, Mintu; Chatterjee, Swarnajit; Mangeat, Matthieu; Rieger, Heiko; Paul, Raja	Jamming and flocking in the restricted active Potts model	PHYSICAL REVIEW E	2470-0045	2470-0053	PHYS REV E	JUL 18	2023
323	Journal	Dutta, Joy; Ravi, Satyam; Mukherjee, Soumya; Ojha, Avik Kumar; Adhikari, Satrajit	Jahn-Teller Effect in Orthorhombic Manganites: Ab Initio Hamiltonian and Roto-vibrational Spectrum	JOURNAL OF PHYSICAL CHEMISTRY A	1089-5639	1520-5215	J PHYS CHEM A	FEB 10	2022
324	Journal	Singh, Gurmeet; Gahtori, Jyoti; Poddar, Mukesh Kumar; Samanta, Chanchal; Bhattacharya, Sumantra; Biradar, Ankush, V; Bordoloi, Ankur	Studies on Synthesis of Sub-Nanometre Size Pt Particles Stabilized on ZrO ₂ Matrix for Formic Acid Mediated Synthesis of γ -Valerolactone	CHEMISTRYSELECT	2365-6549		CHEMISTRYSELECT	MAY 25	2022
325	Journal	Majumdar, Prabhat; Tharammal, Fazil; Gierschner, Johannes; Varghese, Shinto	Tuning Solid-State Luminescence in Conjugated Organic Materials: Control of Excitonic and Excimeric Contributions through π Stacking and Halogen Bond Driven Self-Assembly	CHEMPHYSICHEM	1439-4235	1439-7641	CHEMPHYSICHEM	APR 2	2020
326	Journal	Datta, Raktim; Pradhan, Suman Kalyan; Masanta, Suvasini; Majumdar, Subham; De, Subodh Kumar	Short range spin-spin correlation, spin-phonon coupling and isostructural phase transition in hetero-tri-spin 3d-5d-4f double perovskite Sm ₂ CoIrO ₆	JOURNAL OF SOLID STATE CHEMISTRY	0022-4596	1095-726X	J SOLID STATE CHEM	OCT	2022

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327	Journal	Chakraborty, Anwesha; Manna, Rabindra Nath; Paul, Ankan; Ghosh, Suhrit	Externally Regulated Specific Molecular Recognition Driven Pathway Selectivity in Supramolecular Polymerization	CHEMISTRY-A EUROPEAN JOURNAL	0947-6539	1521-3765	CHEM-EUR J	AUG 5	2021
328	Journal	Sarkar, Sayan; Sarkar, Piyali; Munshi, Sandip; Ghosh, Pradyut	One-Pot Dual C-C Coupling Reaction via Site Selective Cascade Formation by PdII-Cryptate of an Amino-Ether Heteroditopic Macrobicycle	CHEMISTRY-A EUROPEAN JOURNAL	0947-6539	1521-3765	CHEM-EUR J	MAY 3	2021
329	Journal	Marjit, Kritiman; Ghosh, Goutam; Biswas, Raju K.; Ghosh, Srijon; Pati, Swapan K.; Patra, Amitava	Modulating the Carrier Relaxation Dynamics in Heterovalently (Bi3+) Doped CsPbBr3 Nanocrystals	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	1948-7185		J PHYS CHEM LETT	JUN 23	2022
330	Journal	Kolay, Sarita; Maity, Subarna; Bain, Dipankar; Chakraborty, Sikta; Patra, Amitava	Self-assembly of copper nanoclusters: isomeric ligand effect on morphological evolution	NANOSCALE ADVANCES	2516-0230		NANOSCALE ADV	OCT 7	2021
331	Journal	Mondal, Bhargab P.; Ranjan, Priya; Sarkar, Gourab; Datta, Anuja	Flexible Thermoelectric Generator from Bulk Graphite and Bismuth Traces on Emery Paper	ENERGY TECHNOLOGY	2194-4288	2194-4296	ENERGY TECHNOL-GER	APR	2023
332	Journal	Bain, Dipankar; Devi, Aarti; Rashi, Sikta; Chakraborty, Sikta; Kolay, Sarita; Patra, Amitava	Enhanced Luminescence in Zn+2-Induced Au14 Nanocluster Aggregates	JOURNAL OF PHYSICAL CHEMISTRY C	1932-7447	1932-7455	J PHYS CHEM C	SEP 1	2023
333	Journal	Pal, Sanchari; Ghosh, Tamal Kanti; Ghosh, Rajib; Mondal, Sahidul; Ghosh, Pradyut	Recent advances in recognition, sensing and extraction of phosphates: 2015 onwards	COORDINATION CHEMISTRY REVIEWS	0010-8545	1873-3840	COORDIN CHEM REV	FEB 15	2020
334	Journal	Khan, Md Salman; Meneghini, Carlo; Bert, Fabrice; Sala, M. Moretti; Ray, Sugata	Phase inhomogeneity and inapplicability of Jeff=0 description in dilute Ir5+ doped Ba2YSb1-xIrxO6 (x=0.1, 0.2, 0.3)	PHYSICAL REVIEW B	2469-9950	2469-9969	PHYS REV B	DEC 9	2021
335	Journal	Das, Debashree; Basu, Shalmali; Ray, Santanu; Koppayithodi, Sudeep; Hazra, Bibhas; Bandyopadhyay, Subhajit; Saha, Abhijit; Sen, Kamalika	Generation of selenium nanoparticles under γ -Irradiation for optical sensing of Carcinoembryonic antigen	JOURNAL OF MOLECULAR LIQUIDS	0167-7322	1873-3166	J MOL LIQ	SEP 1	2022
336	Journal	Maiti, Abhishek; Pal, Amlan J.	Effect of Cation Occupancy Ordering in Double Perovskites To Overcome Hurdles in Carrier Transport: Cs2AgBiBr6 as a Case Study	JOURNAL OF PHYSICAL CHEMISTRY C	1932-7447	1932-7455	J PHYS CHEM C	JUL 29	2021
337	Journal	Bera, Sourabh; Datta, Hemanta Kumar; Dastidar, Parthasarathi	Nitrile-Containing Terpyridyl Zn(II)-Coordination Polymer-Based Metallogelators Displaying Helical Structures: Synthesis, Structures, and ?Druglike? Action against B16-F10 Melanoma Cells	ACS APPLIED MATERIALS & INTERFACES	1944-8244	1944-8252	ACS APPL MATER INTER	MAY 31	2023
338	Journal	Ghosh, Ivy; Chakraborty, Biswarup; Bera, Abhijit; Paul, Satadal; Paine, Tapan Kanti	Selective oxygenation of C-H and C=C bonds with H2O2 by high-spin cobalt(II)-carboxylate complexes	DALTON TRANSACTIONS	1477-9226	1477-9234	DALTON T	FEB 8	2022
339	Journal	Barman, Ranajit; Rajdev, Priya; Mondal, Tathagata; Dey, Pradip; Ghosh, Suhrit	Amphiphilic Alternating Copolymers with an Adjustable Lower Critical Solution Temperature (LCST) and Correlation with Nonspecific Protein Adsorption	ACS APPLIED POLYMER MATERIALS	2637-6105		ACS APPL POLYM MATER	JUL 8	2022
340	Journal	Pal, Nabendu; Naskar, Tilak; Majumdar, Amit	Synthesis, structural diversity and redox reactions in 1, 2-Bis (diphenylphosphinoethane)Nickel(II)-Thiolate complexes	INORGANICA CHIMICA ACTA	0020-1693	1873-3255	INORG CHIM ACTA	FEB 1	2022

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341	Journal	Banerjee, Pujarini; Bhattacharya, Indrani	Direct matrix isolation IR spectroscopic evidence of halogen bonding from a comparative study of complexes of CBr ₄ and CCl ₄ with acetone and formic acid	SPECTROCHIMICA ACTA PART A- MOLECULAR AND BIOMOLECULAR SPECTROSCOPY	1386-1425	1873-3557	SPECTROCHIM ACTA A	APR 5	2021
342	Journal	Chakraborty, Buddhadeb; Sahoo, Sumit; Narayansamy, Raja; Usharani, Dandamudi; Rath, Harapriya	Structural isolation of NIR absorbing ferrocenyl bridged N-confused fused expanded phlorin, N-confused porphodimethene and the π -extended corrorin isomer: synthesis and characterization	DALTON TRANSACTIONS	1477-9226	1477-9234	DALTON T	OCT 19	2021
343	Journal	Das, Pritam; Das, Mrinal Kumar; Khan, Najimuddin	FIMP DM in the extended hyperchargeless Higgs triplet model	PHYSICAL REVIEW D	2470-0010	2470-0029	PHYS REV D	NOV 1	2021
344	Journal	Chakraborty, Chandrachur; Mukhopadhyay, Banibrata	Geometric phase in Taub-NUT spacetime	EUROPEAN PHYSICAL JOURNAL C	1434-6044	1434-6052	EUR PHYS J C	OCT 18	2023
345	Journal	Majumdar, Santanu; Pal, Baishakhi; Lepcha, Gerald; Das, Krishna Sundar; Pal, Indrajit; Ray, Partha Pratim; Dey, Biswajit	Establishment of different aliphatic amines-based rapid self-healing Mg(OH) ₂ metallogels: exploring the morphology, rheology and intriguing semiconducting Schottky diode characteristics	NEW JOURNAL OF CHEMISTRY	1144-0546	1369-9261	NEW J CHEM	MAR 6	2023
346	Journal	Banerjee, Kumarjeet; Saha, Shekhar; Das, Shaoli; Ghosal, Suman; Ghosh, Indranil; Basu, Abhimanyu; Jana, Siddhartha S.	Expression of nonmuscle myosin IIC is regulated by non-canonical binding activity of miRNAs	ISCIENCE		2589-0042	ISCIENCE	DEC 15	2023
347	Journal	Haldar, Anwesha; Mandal, Bikramaditya; Maji, Shilpa; Chakraborty, Priyanka; Mondal, Dhrubajyoti; Mandal, Debdas	Mononuclear Mn(III) complex with a terminal azide supported by phenol-based tetradentate N ₂ O ₂ donor ligand: Synthesis, structure, properties, and catechol oxidase activity	POLYHEDRON	0277-5387	1873-3719	POLYHEDRON	NOV 15	2023
348	Journal	Chakrabarti, Anirban; Chatterjee, Shaona; Molla, Atiar Rahaman; Ghosh, Aswini	Sodium niobate-based glass-ceramics: Dependence of crystallization temperature on phase evolution, refractive index and dielectric properties	JOURNAL OF NON-CRYSTALLINE SOLIDS	0022-3093	1873-4812	J NON-CRYST SOLIDS	FEB 1	2024
349	Journal	Hansda, Biswanath; Hazra, Soumyajit; Hazra, Niladri; Ghosh, Purnadas; Banerjee, Arindam	Peptide-linked perylenebisimide and ferrocene dicarboxylic acid conjugates with tunable optoelectronic properties	NEW JOURNAL OF CHEMISTRY	1144-0546	1369-9261	NEW J CHEM	APR 22	2024
350	Journal	Halder, Nyancy; Mahadavaiah, Maheshwari Horalavadi; Usharani, Dandamudi; Rath, Harapriya	Ni(II) and Cu(III) organometallic complexes of trans doubly N-confused porphodimethenes: Synthesis, spectroscopic and theoretical characterization	JOURNAL OF PORPHYRINS AND PHTHALOCYANINES	1088-4246	1099-1409	J PORPHYR PHTHALOCYA	OCT	2021
351	Journal	Mukherjee, Anurag; Ghosh, Suhrit	Circularly Polarized Luminescence from Chiral Supramolecular Polymer and Seeding Effect	CHEMISTRY-A EUROPEAN JOURNAL	0947-6539	1521-3765	CHEM-EUR J	OCT 6	2020
352	Journal	Haldar, Astik; Sarkar, Apurba; Chatterjee, Swarnajit; Basu, Abhik	Mobility-induced order in active XY spins on a substrate	PHYSICAL REVIEW E	2470-0045	2470-0053	PHYS REV E	SEP 18	2023
353	Journal	Das, Sanjit; De, Sharmistha; Centomo, Paolo; Aswal, Vinod K.; Meneghini, Carlo; Das, Bidisa; Ray, Sugata	Structural Rearrangement Followed by Entrapment of Subnanometer Building Blocks of Iron Oxyhydroxide in Aqueous Iron Chloride Solutions	INORGANIC CHEMISTRY	0020-1669	1520-510X	INORG CHEM	APR 8	2024

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354	Journal	Singh, Rinki; Munya, Vikas; Are, Venkata Narayana; Nayak, Debasis; Chattopadhyay, Sudeshna	A Biocompatible, pH-Sensitive, and Magnetically Separable Superparamagnetic Hydrogel Nanocomposite as an Efficient Platform for the Removal of Cationic Dyes in Wastewater Treatment	ACS OMEGA	2470-1343		ACS OMEGA	SEP 14	2021
355	Journal	Chakraborty, B.; Saha, R.; Chattopadhyay, S.; De, D.; Das, R. D.; Mukhopadhyay, M. K.; Palit, M.; RoyChaudhuri, C.	Impact of surface defects in electron beam evaporated ZnO thin films on FET biosensing characteristics towards reliable PSA detection	APPLIED SURFACE SCIENCE	0169-4332	1873-5584	APPL SURF SCI	JAN 30	2021
356	Journal	Sow, Chaitali; Jana, Rajkumar; Mettela, Gangaiah; Datta, Ayan; Kulkarni, Giridhar U.	Adsorbate-Induced Phase Transformation of Ambient Stable Noncubic Lattices in Au Microcrystallites	JOURNAL OF PHYSICAL CHEMISTRY C	1932-7447	1932-7455	J PHYS CHEM C	JAN 13	2022
357	Journal	Zhang, Xianfu; Qu, Kaixing; Jia, Peng; Zhang, Jicai; Liu, Jianyong; Lei, Chuzhao; Huang, Bizhi	Assessing Genomic Diversity and Productivity Signatures in Dianzhong Cattle by Whole-Genome Scanning	FRONTIERS IN GENETICS		1664-8021	FRONT GENET	OCT 5	2021
358	Journal	Biswas, Shauvik; Singha, Chiranjeeb; Chakraborty, Sumanta	Galactic wormholes: Geometry, stability, and echoes	PHYSICAL REVIEW D	2470-0010	2470-0029	PHYS REV D	MAR 14	2024
359	Journal	Bhatia, Disha; Desai, Nishita; Dwivedi, Siddharth	Discovery prospects of a light charged Higgs near the fermiophobic region of Type-I 2HDM	JOURNAL OF HIGH ENERGY PHYSICS	1029-8479		J HIGH ENERGY PHYS	JUN 16	2023
360	Journal	Bej, Raju; Ghosh, Arijit; Sarkar, Jayita; Das, Benu Brata; Ghosh, Suhrit	Thiol-Disulfide Exchange Reaction Promoted Highly Efficient Cellular Uptake of Pyridyl Disulfide Appended Nonionic Polymers	CHEMBIOCHEM	1439-4227	1439-7633	CHEMBIOCHEM	OCT 15	2020
361	Journal	Santra, Saikat; Ghosh, Pradyut	Fluorophoric [2]rotaxanes: post-synthetic functionalization, conformational fluxionality and metal ion chelation	NEW JOURNAL OF CHEMISTRY	1144-0546	1369-9261	NEW J CHEM	APR 21	2020
362	Journal	Bej, Raju; Achazi, Katharina; Haag, Rainer; Ghosh, Suhrit	Polymersome Formation by Amphiphilic Polyglycerol-b-polydisulfide-b-polyglycerol and Glutathione-Triggered Intracellular Drug Delivery	BIOMACROMOLECULES	1525-7797	1526-4602	BIOMACROMOLECULES	AUG	2020
363	Journal	Barman, Shubhankar; Ranjan, Priya; Datta, Anuja	Achiral phosphonium induced remarkable circular polarized luminescence in a chiral cadmium(II) halide perovskite material	CHEMICAL COMMUNICATIONS	1359-7345	1364-548X	CHEM COMMUN	AUG 22	2023
364	Journal	Kundu, Biswajit; Sarkar, Dipayan; Chowdhuri, Srijita Paul; Pal, Sourav; Das, Subhendu K.; Das, Benu Brata; Talukdar, Arindam	Development of a metabolically stable topoisomerase I poison as anticancer agent	EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY	0223-5234	1768-3254	EUR J MED CHEM	SEP 15	2020
365	Journal	Ghosh, Atanu; Akabane-Nakata, Masaaki; Kundu, Jayanta; Harp, Joel M.; Madaoui, Mimouna; Egli, Martin; Manoharan, Muthiah; Sinha, Surajit	Synthesis and Biophysical Properties of Phosphorodiamidate Piperidino Oligomers	ORGANIC LETTERS	1523-7060	1523-7052	ORG LETT	2023 FEB 3	2023
366	Journal	Mondal, Suman; Karmakar, Mintu; Dutta, Prabir; Giri, Saurav; Majumdar, Subham; Paul, Raja	Self-organized criticality of magnetic avalanches in disordered ferrimagnetic material	PHYSICAL REVIEW E	2470-0045	2470-0053	PHYS REV E	MAR 6	2023
367	Journal	Bej, Somnath; Nandi, Mandira; Ghosh, Pradyut	A Cd(II) and Zn(II) selective naphthyl based [2]rotaxane acts as an exclusive Zn(II) sensor upon further functionalization with pyrene	DALTON TRANSACTIONS	1477-9226	1477-9234	DALTON T	JAN 7	2021
368	Journal	Jamadar, Akshoy; Karan, Chandan Kumar; Biswas, Subhendu; Das, Anindita	Structural influence on stimuli-responsive halogen-bonded luminescent supramolecular polymers from heteroditopic isomers	CRYSTENGCOMM		1466-8033	CRYSTENGCOMM	FEB 28	2021

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369	Journal	Chakraborty, Sikta; Bain, Dipankar; Maity, Subarna; Kolay, Sarita; Patra, Amitava	Controlling Aggregation-Induced Emission in Bimetallic Gold-Copper Nanoclusters via Surface Motif Engineering	JOURNAL OF PHYSICAL CHEMISTRY C	1932-7447	1932-7455	J PHYS CHEM C	FEB 10	2022
370	Journal	Vanama, Sowmya; Pesari, Maruthi; Rajendran, Gobinath; Gali, Uma Devi; Rathod, Santosha; Panuganti, Rajanikanth; Chilukuri, Srivalli; Chinnaswami, Kannan; Kumar, Sumit; Minkina, Tatiana; Sansinenea, Estibaliz; Keswani, Chetan	Correlation of the Effect of Native Bioagents on Soil Properties and Their Influence on Stem Rot Disease of Rice	SUSTAINABILITY		2071-1050	SUSTAINABILITY-BASEL	AUG	2023
371	Journal	Chakraborty, Buddhadeb; Mahadavaiah, Maheshwari Horalavadi; Usharani, Dandamudi; Rath, Harapriya	Fluoride ion promoted NH deprotonation of dioxaphlorin with NIR absorption vs. acid induced facile conversion to aromatic dioxasapphyrin: Synthesis, spectroscopic and theoretical characterization	JOURNAL OF PORPHYRINS AND PHTHALOCYANINES	1088-4246	1099-1409	J PORPHYR PHTHALOCYA	MAY	2021
372	Journal	Ghosh, Tamal Kanti; Ghosh, Rajib; Chakraborty, Sourav; Saha, Priyanka; Sarkar, Supriya; Ghosh, Pradyut	Cyanide contaminated water treatment by di-nuclear Cu(II)-cryptate: A supramolecular approach	JOURNAL OF WATER PROCESS ENGINEERING	2214-7144		J WATER PROCESS ENG	OCT	2020
373	Journal	Khan, Md Salman; Carlomagno, Ilaria; Meneghini, Carlo; Biswas, P. K.; Bert, Fabrice; Majumdar, Subham; Ray, Sugata	Mixed-valent metallic pyrochlore iridate: A possible route to non-Fermi liquids	PHYSICAL REVIEW B	2469-9950	2469-9969	PHYS REV B	FEB 22	2022
374	Journal	Chakrabarty, Nabarun; Chakraborty, Indrani; Ghosh, Dilip Kumar; Saha, Gourab	Muon g-2 and W-mass in a framework of colored scalars: an LHC perspective	EUROPEAN PHYSICAL JOURNAL C	1434-6044	1434-6052	EUR PHYS J C	SEP 27	2023
375	Journal	Sarkar, Mahima Misti; Pradhan, Nibedita; Subba, Rewaj; Saha, Puja; Roy, Swarnendu	Sugar-terminated carbon-nanodots stimulate osmolyte accumulation and ROS detoxification for the alleviation of salinity stress in Vigna radiata	SCIENTIFIC REPORTS	2045-2322		SCI REP-UK	OCT 20	2022
376	Journal	Ghosh, Anudeepa; Palit, Mainak; Maity, Sujjan; Dwij, Vivek; Rana, Sumesh; Datta, Subhadeep	Spin-phonon coupling and magnon scattering in few-layer antiferromagnetic FePS ₃	PHYSICAL REVIEW B	2469-9950	2469-9969	PHYS REV B	FEB 25	2021
377	Journal	Kundu, Tanima; Pal, Barnik; Das, Bikash; Paramanik, Rahul; Maity, Sujjan; Ghosh, Anudeepa; Palit, Mainak; Kopciuszynski, Marek; Barinov, Alexei; Mahatha, Sanjoy Kr; Datta, Subhadeep	Tunable Electron Transport in Defect-Engineered PdSe ₂	CHEMISTRY OF MATERIALS	0897-4756	1520-5002	CHEM MATER	JUN 25	2023
378	Journal	Bose, Chandra; Das, Ujjal; Kuilya, Tapan Kumar; Mondal, Joyanta; Bhadra, Jhuma; Banerjee, Priyanjalee; Goswami, Rajib Kumar; Sinha, Surajit	Cananginone Abrogates EMT in Breast Cancer Cells through Hedgehog Signaling	CHEMISTRY & BIODIVERSITY	1612-1872	1612-1880	CHEM BIODIVERS	MAY	2022
379	Journal	Chakraborty, Nirman; Ghose, Pradeepta Kumar; Rudra, Pratyasha; Das, Sagnik; Saha, Debdulal; Mishra, Ajay K.; Sanyal, Ambarish; Mondal, Swastik	Dopant-induced cationic bivalency in hierarchical antimony-doped tin oxide nano-particles for room-temperature SO ₂ sensing	JOURNAL OF MATERIALS CHEMISTRY A	2050-7488	2050-7496	J MATER CHEM A	OCT 5	2021

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380	Journal	Mondal, Papri; Satra, Jit; Srivastava, Divesh N.; Bhadu, Gopala Ram; Adhikary, Bibhutoh	Pdδ+-Mediated Surface Engineering of AgMnO4 Nanorods as Advanced Bifunctional Electrocatalysts for Highly Efficient Water Electrolysis	ACS CATALYSIS	2155-5435		ACS CATAL	MAR 19	2021
381	Journal	De, K.; Dhak, P.; De, S.; Dutta, P.; Dey, K.; Mukherjee, S.; Chatterjee, S.; Das, S.	De-stabilization of charge-order state through inhomogeneity in random ionic distribution in the particles of polycrystalline Eu0.2La0.3Sr0.2Ca0.3MnO3 sample	BULLETIN OF MATERIALS SCIENCE	0250-4707	0973-7669	B MATER SCI	APR 23	2020
382	Journal	Das, Sabuj Kanti; Chowdhury, Avik; Chakraborty, Debabrata; Kayal, Utpal; Bhaumik, Asim	Porous organic polymer bearing triazine and pyrene moieties as an efficient organocatalyst	MOLECULAR CATALYSIS	2468-8231		MOL CATAL	DEC	2020
383	Journal	Bhaskar, Ankush; Hayakawa, Hisashi; Oliveira, Denny M.; Blake, Sean; Silverman, Sam M.; Ebihara, Yusuke	An Analysis of Trouvelot's Auroral Drawing on 1/2 March 1872: Plausible Evidence for Recurrent Geomagnetic Storms	JOURNAL OF GEOPHYSICAL RESEARCH-SPACE PHYSICS	2169-9380	2169-9402	J GEOPHYS RES-SPACE	OCT	2020
384	Journal	Peesapati, Sruthi; Roy, Durba	Control of anomericy and glycosidic linkage on the mechanics of polysaccharides	JOURNAL OF CHEMICAL SCIENCES	0974-3626	0973-7103	J CHEM SCI	APR 6	2023
385	Journal	Maity, Subarna; Bain, Dipankar; Chakraborty, Sikta; Kolay, Sarita; Patra, Amitava	Copper Nanocluster (Cu23 NC)-Based Biomimetic System with Peroxidase Activity	ACS SUSTAINABLE CHEMISTRY & ENGINEERING	2168-0485		ACS SUSTAIN CHEM ENG	DEC 14	2020
386	Journal	Devi, Pooja; Hipp, Kenneth N.; Thakur, Anupma; Lai, Rebecca Y.	Waste to wealth translation of e-waste to plasmonic nanostructures for surface-enhanced Raman scattering	APPLIED NANOSCIENCE	2190-5509	2190-5517	APPL NANOSCI	MAY	2020
387	Journal	Ghosh, Avirup; Kar, Arpan; Mukhopadhyaya, Biswarup	Search for decaying heavy dark matter in an effective interaction framework: a comparison of γ-ray and radio observations	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	1475-7516		J COSMOL ASTROPART P	SEP	2020
388	Journal	Saha, Rafikul Ali; Halder, Anita; Saha-Dasgupta, Tanusri; Fu, Desheng; Itoh, Mitsuru; Ray, Sugata	Covalency driven modulation of paramagnetism and development of lone pair ferroelectricity in multiferroic Pb3TeMn3P2O14	PHYSICAL REVIEW B	2469-9950	2469-9969	PHYS REV B	MAY 20	2020
389	Journal	Singha, Chiranjeeb; Biswas, Shauvik	Galactic pure Lovelock black holes: Geometry, stability, and Hawking temperature	PHYSICAL REVIEW D	2470-0010	2470-0029	PHYS REV D	JAN 25	2024
390	Journal	Das, Ujjal; Kundu, Jayanta; Shaw, Pallab; Bose, Chandra; Ghosh, Atanu; Gupta, Shalini; Sarkar, Sudipta; Bhadra, Jhuma; Sinha, Surajit	Self-transfecting GMO-PMO chimera targeting Nanog enable gene silencing in vitro and suppresses tumor growth in 4T1 allografts in mouse	MOLECULAR THERAPY NUCLEIC ACIDS	2162-2531		MOL THER NUCL ACIDS	JUN 13	2023
391	Journal	Su, Zhaoyang; Tao, Chunhui; Shen, Jinsong; Revil, Andre; Zhu, Zhongmin; Deng, Xianming; Nie, Zuofu; Li, Qianyu; Liu, Long; Wu, Tao; Zhou, Jianping; Chen, Dong	3D self-potential tomography of seafloor massive sulfide deposits using an autonomous underwater vehicle	GEOPHYSICS	0016-8033	1942-2156	GEOPHYSICS	JUL-AUG	2022
392	Journal	Saha, Rafikul Ali; Bandyopadhyay, Abhisek; Schiesaro, Irene; Bera, Arnab; Mondal, Mintu; Meneghini, Carlo; Ray, Sugata	Colossal electroresistance response accompanied by metal-insulator transition in a mixed-valent vanadate	PHYSICAL REVIEW B	2469-9950	2469-9969	PHYS REV B	JUL 29	2021
393	Journal	Sarkar, Bimal Kumar; Sarkar, Sukriti	Photoacoustic Spectroscopy: A Tool for Optical Properties Study	THERMOPHYSICS 2020: 25TH INTERNATIONAL MEETING	0094-243X		AIP CONF PROC		2020

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394	Journal	Bain, Dipankar; Maity, Subarna; Patra, Amitava	Surface motifs regulated aggregation induced emission in gold-silver nanoclusters	CHEMICAL COMMUNICATIONS	1359-7345	1364-548X	CHEM COMMUN	AUG 21	2020
395	Journal	Halder, Nyancy; Naryanasamy, Raja; Usharani, Dandamudi; Rath, Harapriya	Chemical transformation of doubly N-confused porphodimethenes to variants of (anti)aromatic doubly N-confused porphyrinoids and o-aromatic doubly N-confused isophlorinoids	ORGANIC CHEMISTRY FRONTIERS	2052-4129		ORG CHEM FRONT	MAY 3	2022
396	Journal	Chatterjee, Abhishikta; Mondal, Papri; Chakraborty, Priyanka; Kumar, Bidyapati; Mandal, Sourav; Rizzoli, Corrado; Saha, Rajat; Adhikary, Bibhutoh; Dey, Subrata K.	Strategic Synthesis of Heptacoordinated FeIII Bifunctional Complexes for Efficient Water Electrolysis	ANGEWANDTE CHEMIE- INTERNATIONAL EDITION	1433-7851	1521-3773	ANGEW CHEM INT EDIT	OCT 16	2023
397	Journal	Mandal, Bikramaditya; Majee, Mithun Chandra; Mandal, Debdas; Ganguly, Rakesh	Synthesis, structure, Hirshfeld surface analysis and catecholase activity of Ni(II) complex with sterically constrained phenol based ligand	JOURNAL OF MOLECULAR STRUCTURE	0022-2860	1872-8014	J MOL STRUCT	FEB 15	2020
398	Journal	Hansda, Biswanath; Majumder, Jhilam; Mondal, Biplab; Chatterjee, Akash; Das, Subhadeep; Kumar, Sourav; Gachhui, Ratan; Castelletto, Valeria; Hamley, Ian W.; Sen, Prosenjit; Banerjee, Arindam	Histidine-Containing Amphiphilic Peptide-Based Non-Cytotoxic Hydrogelator with Antibacterial Activity and Sustainable Drug Release	LANGMUIR	0743-7463	1520-5827	LANGMUIR	MAY 16	2023
399	Journal	Ghosh, Goutam; Biswas, Raju K.; Marjit, Kritiman; Ghosh, Srijon; Ghosh, Arnab; Pati, Swapan K.; Patra, Amitava	Impacts of CsPbBr ₃ /PbSe Heterostructures on Carrier Cooling Dynamics at Low Carrier Density	ADVANCED OPTICAL MATERIALS	2195-1071		ADV OPT MATER	MAY	2022
400	Journal	Samanta, Pralok K.; Misra, Ramprasad	Intramolecular charge transfer for optical applications	JOURNAL OF APPLIED PHYSICS	0021-8979	1089-7550	J APPL PHYS	JAN 14	2023
401	Journal	Mete, Sourav; Goswami, Krishna Gopal; De, Priyadarsi	Composition-dependent crystallization behavior of copolyperoxides from methyl methacrylate and 4-vinylbenzyl stearate	JOURNAL OF POLYMER SCIENCE	2642-4150	2642-4169	J POLYM SCI	MAR 1	2020
402	Journal	Mukherjee, Deboshmita; Sarkar, Kaushik; Reja, Sahin; Guha, Shramana; Mandal, Naba Kr; Naskar, Jnan Prakash; Das, Rajesh Kumar	Mononuclear Zn(II) Complex Based on N ₂ O Ligand Compartment: First Case to Detect Nitro Explosives	JOURNAL OF FLUORESCENCE	1053-0509	1573-4994	J FLUORESC	2023 SEP 29	2023
403	Journal	Baruah, Prayasee; Paul, Debojit; Doshi, Jitesh; Mitra, Sivaprasad	Elevated Fibrinogen Level Reduces Therapeutic Efficiency of AD Drugs: Biophysical Insights into the Interaction of FDA-Approved Cholinesterase Inhibitors with Human Fibrinogen	JOURNAL OF PHYSICAL CHEMISTRY B	1520-6106	1520-5207	J PHYS CHEM B	JAN 13	2022
404	Journal	Das, Bikash; Ghosh, Subrata; Kundu, Tanima; Paramanik, Rahul; Maity, Sujana; Palit, Mainak; Das, Soumik; Hazra, Pabitra Kumar; Maji, Poulomi; Ghosh, Anudeepa; Datta, Subhadeep	Metamagnetism and Magnetocaloric Properties in a van der Waals Antiferromagnet CrOCl	PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS	0370-1972	1521-3951	PHYS STATUS SOLIDI B	MAY	2023

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405	Journal	Biswas, Sachidulal; Chowdhury, Srijan Narayan; Lepcha, Panjo; Sutradhar, Subhankar; Das, Abhishek; Paine, Tapan Kanti; Paul, Satadal; Biswas, Achintesh N.	Electrochemical generation of high-valent oxo-manganese complexes featuring an anionic N5 ligand and their role in O-O bond formation	DALTON TRANSACTIONS	1477-9226	1477-9234	DALTON T	NOV 21	2023
406	Journal	Gogoi, Triveni; Chatterjee, Rima	Multimineral Modeling and Estimation of Brittleness Index of Shaly Sandstone in Upper Assam and Mizoram Areas, India	SPE RESERVOIR EVALUATION & ENGINEERING	1094-6470	1930-0212	SPE RESERV EVAL ENG	MAY	2020
407	Journal	Sarkar, K.; Devi, Pooja; Kim, Ki-Hyun; Kumar, Praveen	III-V nanowire-based ultraviolet to terahertz photodetectors: Device strategies, recent developments, and future possibilities	TRAC-TRENDS IN ANALYTICAL CHEMISTRY	0165-9936	1879-3142	TRAC-TREND ANAL CHEM	SEP	2020
408	Journal	Sen Banerjee, Nineesha; Ghosh, Deborin; Mitra, Ishani; Paul, Somnath; Show, Bibhutibhushan; Ganguly, Tapan; Chakraborty, Madhurima	Interactive study of Au20 nanocluster and methyl substituted amide linked tyrosine/tryptophan to develop representative model for studying protein-nanoparticle interaction	JOURNAL OF MOLECULAR STRUCTURE	0022-2860	1872-8014	J MOL STRUCT	JAN 15	2023
409	Journal	Mohammed, Thasnim P.; George, Akhila; Sivaramakrishnan, Madhuri Priya; Vadivelu, Prabha; Balasubramanian, Sridhar; Sankaralingam, Muniyandi	Deciphering the effect of amine versus imine ligands of copper(II) complexes in 2-aminophenol oxidation	JOURNAL OF INORGANIC BIOCHEMISTRY	0162-0134	1873-3344	J INORG BIOCHEM	OCT	2023
410	Journal	Mukherjee, Priyanka; Mukhopadhyay, Titas Kumar; Mukherjee, Manini; Roy, Pritam; Ghosh, Rina; Sardar, Pinki Saha; Ghosh, Sanjib	Triplet state spectroscopy reveals involvement of the buried tryptophan residue 310 in Glyceraldehyde-3-phosphate dehydrogenase (GAPD) in the interaction with acrylamide	SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY	1386-1425	1873-3557	SPECTROCHIM ACTA A	FEB 15	2024
411	Journal	Gogoi, Triveni; Alam, Jenifer; Chatterjee, Rima	Mineralogy and pore structure characterization of Lower Oligocene to Early Miocene formations in parts of Assam, Arakan basin, North East India	CURRENT SCIENCE	0011-3891		CURR SCI INDIA	JUL 25	2022
412	Journal	Yuan, Zhen; Myeong, G. C.; Beers, Timothy C.; Evans, N. W.; Lee, Young Sun; Banerjee, Projwal; Gudim, Dmitrii; Hattori, Kohei; Li, Haining; Matsuno, Tadafumi; Placco, Vinicius M.; Smith, M. C.; Whitten, Devin D.; Zhao, Gang	Dynamical Relics of the Ancient Galactic Halo	ASTROPHYSICAL JOURNAL	0004-637X	1538-4357	ASTROPHYS J	MAR 1	2020
413	Journal	Das, Athulya; Rajeev, Anjana; Bhunia, Sarmistha; Arunkumar, Manivel; Chari, Nithya; Sankaralingam, Muniyandi	Synthesis, characterization and antimicrobial activity of nickel(II) complexes of tridentate N3 ligands	INORGANICA CHIMICA ACTA	0020-1693	1873-3255	INORG CHIM ACTA	OCT 1	2021
414	Journal	Pal, Baishakhi; Majumdar, Santanu; Das, Krishna Sundar; Lepcha, Gerald; Pal, Indrajit; Ray, Partha Pratim; Dey, Biswajit	Investigating charge transportation and photo-responsive outcome of a Schottky diode fabricated by 2-amino terephthalic acid directed supramolecular Mn(II)-metallogel	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	0022-3697	1879-2553	J PHYS CHEM SOLIDS	NOV	2023
415	Journal	Das, Avijit; Ali, Afsar; Gupta, Geetika; Santra, Aakash; Jain, Priya; Ingole, Pravin P.; Paul, Satadal; Paria, Sayantan	Catalytic Four-Electron Reduction of Oxygen to Water by a Molecular Cobalt Complex Consisting of a Proton Exchanging Site at the Secondary Coordination Sphere	ACS CATALYSIS	2155-5435		ACS CATAL	APR 21	2023

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416	Journal	Chakraborty, M.; Kadir, E. S.; Gayen, R. N.	GO induced grain-boundary modification in transparent TiO ₂ -GO nanocomposite thin films: Study by DC bias dependent impedance spectroscopy	CHEMICAL PHYSICS LETTERS	0009-2614	1873-4448	CHEM PHYS LETT	DEC	2022
417	Journal	Suchan, Jiri; Liang, Fangchun; Durden, Andrew S.; Levine, Benjamin G.	Prediction challenge: First principles simulation of the ultrafast electron diffraction spectrum of cyclobutanone	JOURNAL OF CHEMICAL PHYSICS	0021-9606	1089-7690	J CHEM PHYS	APR 7	2024
418	Journal	Das, Manjil; Bhowal, Sayantika; Sannigrahi, Jhuma; Bandyopadhyay, Abhisek; Banerjee, Anupam; Cibir, Giannantonio; Khalyavin, Dmitry; Banerjee, Niladri; Adroja, Devashibhai; Dasgupta, Indra; Majumdar, Subham	Interplay between structural, magnetic, and electronic states in the pyrochlore iridate Eu ₂ Ir ₂ O ₇	PHYSICAL REVIEW B	2469-9950	2469-9969	PHYS REV B	APR 18	2022
419	Journal	Zhang, Q.; Cidan, Y. J.; Luosang, D. Z.; Pingcuo, Z. D.; Dawa, Y. L.; Chen, X. Y.; Basang, W. D.	Dominant-genotype Frequency Analysis of Economic Traits Related to SNP Candidate Markers in Three Yak Populations	INDIAN JOURNAL OF ANIMAL RESEARCH	0367-6722		INDIAN J ANIM RES	APR	2022
420	Journal	Kaur, Gurpreet; Shukla, Ayushi; Babu, Kaliyamoorthy Justice; Ghosh, Hirendra N.	Mapping the Real-Time Vibrational Infrastructure of Cs ₂ SnI ₆ Nanocrystals through Coherent Phonon Dynamics	ACS PHOTONICS	2330-4022		ACS PHOTONICS	AUG 17	2022
421	Journal	Goswami, S.; Banerjee, A.; Chakraborty, M.; De, D.	Synthesis and characterization of Ni grafted RGO-A nanocomposite with tunable magnetic properties	SOLID STATE COMMUNICATIONS	0038-1098	1879-2766	SOLID STATE COMMUN	FEB 1	2022
422	Journal	Bandyopadhyay, Abhisek; Chakraborty, A.; Bhowal, S.; Kumar, Vinod; Sala, M. M.; Efimenko, A.; Bert, F.; Biswas, P. K.; Meneghini, C.; Buettgen, N.; Dasgupta, I.; Dasgupta, T. Saha; V. Mahajan, A.; Ray, Sugata	Breakdown of atomic spin-orbit coupling picture in an apparently isolated pseudo-one-dimensional iridate: Sr ₃ NalrO ₆	PHYSICAL REVIEW B	2469-9950	2469-9969	PHYS REV B	MAR 28	2022
423	Journal	Halder, Nyaney; Jana, Manik; Kottekad, Sanjay; Usharani, Dandamudi; Rath, Harapriya	Metalloceneincorporated Hybrid Singly N-Methyl N-Confused Calixphyrins: Synthesis, Characterization, Protonation and Deprotonation Studies	CHEMISTRY-AN ASIAN JOURNAL	1861-4728	1861-471X	CHEM-ASIAN J	MAY 2	2022
424	Journal	Singha, Tanmoy; Mallick, Debashis; Chakraborty, Utsav; Maiti, Pradip; Jana, Rajkumar; Sinha, Chittaranjan; Ray, Partha Pratim; Paul, Pabitra Kumar	Development of a Schottky barrier diode using molecular network of 1-alkyl-2-(arylozo) imidazole prepared by Langmuir-Blodgett technique	JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS	0022-3697	1879-2553	J PHYS CHEM SOLIDS	FEB	2021
425	Journal	Sahoo, Sumit; Velmurugan, Gunasekaran; Comba, Peter; Rath, Harapriya	meso-meso 1,3-Bis(E-vinyl)azulene bridged tetrathiaoctaphyrins: synthesis and spectroscopic and theoretical characterization	ORGANIC CHEMISTRY FRONTIERS	2052-4129		ORG CHEM FRONT	NOV 7	2023
426	Journal	Sahoo, Sumit; Sangeetha, Mohandas; Bera, Soumita; Usharani, Dandamudi; Rath, Harapriya	Targeted synthesis ofmeso-aryl substituted aromatictrans-doublyN-confused dithia/diselena [18] porphyrins (1.1.1.1) with NIR absorption: spectroscopic and theoretical characterization	ORGANIC & BIOMOLECULAR CHEMISTRY	1477-0520	1477-0539	ORG BIOMOL CHEM	AUG 21	2020
427	Journal	Maity, Sourav; Sasmal, Abhishek; Sen, Shrabanee	Barium titanate based paraelectric material incorporated Poly(vinylidene fluoride) for biomechanical energy harvesting and self-powered mechanosensing	MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	1369-8001	1873-4081	MAT SCI SEMICON PROC	JAN	2023

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428	Journal	Patra, Suman; Das, Athulya; Bhunia, Sarmistha; Rajeev, Anjana; Sankaralingam, Muniyandi	Electrocatalytic production of hydrogen using nickel complexes with tridentate N3 ligands	CATALYSIS TODAY	0920-5861	1873-4308	CATAL TODAY	NOV 1	2023
429	Journal	Bhunia, Pradip; Gomila, Rosa. M. M.; Frontera, Antonio; Ghosh, Ashutosh	Combined effects of the lewis acidity and electric field of proximal redox innocent metal ions on the redox potential of vanadyl Schiff base complexes: an experimental and theoretical study	DALTON TRANSACTIONS	1477-9226	1477-9234	DALTON T	MAR 7	2023
430	Journal	Mishra, Mahesh Kumar; Singh, Vedeshwar Narayan; Muhammad, Shabbir; Aloui, Zouhaier; Sangeeta, S.; Noorussabah, N.; Ahmad, Khursheed; Choudhary, Mukesh; Sharma, Sitaram	An efficient and eco-friendly synthesis, computational assay and antimicrobial evaluation of some novel diastereoselective monocyclic cis- β -lactams	JOURNAL OF MOLECULAR STRUCTURE	0022-2860	1872-8014	J MOL STRUCT	NOV 5	2020
431	Journal	Kore, Shivshankar; Sahoo, Rudhi Ranjan; Santra, Binit; Sarkar, Archishman; Chowdhury, Tubal; Deshmukh, Samadhan H.; Hazarika, Sulagna; Chatterjee, Srijan; Bagchi, Sayan	Solvation structure and dynamics of a small ion in an organic electrolyte	JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY	1010-6030	1873-2666	J PHOTOCH PHOTOBIO A	JUN 1	2023
432	Journal	Ali, Imran; Mandal, Bikramaditya; Saha, Rajat; Ghosh, Rajarshi; Majee, Mithun Chandra; Mondal, Dhrubajyoti; Mitra, Partha; Mandal, Debdas	Mono and tri-nuclear cobalt(III) complexes with sterically constrained phenol based N2O2 ligand: Synthesis, structure and catechol oxidase activity	POLYHEDRON	0277-5387		POLYHEDRON	APR 1	2020
433	Journal	Singh, Sandeep; Pal, Soumyadipta; Maji, Chhayabrita	The resistivity upturn in Ni-Mn-In alloys exhibiting magnetic field induced shift in martensitic transition with and without Co doping	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	1873-4669	J ALLOY COMPD	MAR 5	2021
434	Journal	Aich, Payel; Das, Shreya; Halder, Shuvajit; Meneghini, Carlo; Fu, Desheng; Siruguri, Vasudeva; Kaushik, Som Datta; Itoh, Mitsuru; Saha-Dasgupta, Tanusri; Ray, Sugata	Fluorination-Induced Asymmetry in Vacancy-Ordered Brownmillerite: Route to Multiferroic Behavior	CHEMISTRY OF MATERIALS	0897-4756	1520-5002	CHEM MATER	FEB 14	2023
435	Journal	Das, Bikash; Maity, Sujan; Paul, Subrata; Dolui, Kapildeb; Paramanik, Subham; Naskar, Sanjib; Mohanty, Smruti Ranjan; Chakraborty, Supriya; Ghosh, Anudeepa; Palit, Mainak; Watanabe, Kenji; Taniguchi, Takashi; Menon, Krishnakumar S. R.; Datta, Subhadeep	Manipulating Edge Current in Hexagonal Boron Nitride via Doping and Friction	ACS NANO	1936-0851	1936-086X	ACS NANO	DEC 28	2021
436	Journal	Bhowal, Soumya; Ghosh, Arijit	Highly selective fluorescent turn-on-off sensing of OH ⁻ , Al ³⁺ and Fe ³⁺ ions by tuning ESIPT in metal organic frameworks and mitochondria targeted bio-imaging	RSC ADVANCES		2046-2069	RSC ADV	AUG 31	2021

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437	Journal	Dhar, Dhruva; Ghosh, Subhadip; Mukherjee, Sayan; Dhara, Santanu; Chatterjee, Jyotirmoy; Das, Soumen	Assessment of chitosan-coated zinc cobalt ferrite nanoparticle as a multifunctional theranostic platform facilitating pH-sensitive drug delivery and OCT image contrast enhancement	INTERNATIONAL JOURNAL OF PHARMACEUTICS	0378-5173	1873-3476	INT J PHARMACEUT	APR 10	2024
438	Journal	Antonakis, J.; Al-Zomaidi, Z.; Bauak, S.; Bailes, M.; Nielsen, A-S Bak; Baker, P. T.; Bassa, C. G.; Becsy, B.; Berthereau, A.; Bonetti, M.; Brazier, A.; Brook, P. R.; Burgay, M.; Burke-Spolaor, S.; Caballero, R. N.; Casey-Clyde, J. A.; Chalumeau, A.; Champion, D. J.; Charisi, M.; Chatterjee, S.; Chen, S.; Cognard, I.; Cordes, J. M.; Cornish, N. J.; Crawford, F.; Cromartie, H. T.; Crowter, K.; Dai, S.; DeCesar, M. E.; Demorest, P. B.; Desvignes, G.; Dolch, T.; Drachler, B.; Falxa, M.; Ferrara, E. C.; Fiore, W.; Fonseca, E.; Gair, J. R.; Garver-Daniels, N.; Goncharov, B.; Good, D. C.; Graikou, E.; Guillemot, L.; Guo, Y. J.; Hazboun, J. S.; Hobbs, G.; Hu, H.; Islo, K.; Janssen, G. H.; Jennings, R. J.; Johnson, A. D.; Jones, M. L.; Kaiser, A. R.; Kaplan, D. L.; Karuppusamy, R.; Keith, M. J.; Kelley, L. Z.; Kerr, M.; Key, J. S.; Kramer, M.; Lam, M. T.; Lamb, W. G.; Lazio, T. J. W.; Lee, K. J.; Lentati, L.; Liu, K.; Luo, J.; Lynch, R. S.; Lyne, A. G.; Madison, D. R.; Main, R. A.; Manchester, R. N.; McEwen, A.; McKee, J. W.; McLaughlin, M. A.; Mickaliger, M. B.; Mingarelli, C. M. F.; Ng, C.; Nice, D. J.; Parthasarathy, A.; Pennucci, T. T.; Perera, B. B. P.; Perrodin, D.; Petiteau, A.; Pol, N. S.; Porayko, N. K.; Possenti, A.; Ransom, S. M.; Ray, P. S.; Reardon, D. J.; Russell, C. J.; Samajdar, A.; Sampson, L. M.; Sanidas, S.; Sarkissian, J. M.; Schmitz, K.; Schult, L.; Sesana, A.; Shaifullah, G.; Shannon, R. M.; Shapiro-Albert, B. J.; Siemens, X.; Simon,	The International Pulsar Timing Array second data release: Search for an isotropic gravitational wave background	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	0035-8711	1365-2966	MON NOT R ASTRON SOC	JAN 19	2022
439	Journal	Duley, Avijit; Dutta, Narendra Nath; Bagdia, C.; Tribedi, L. C.; Safvan, C. P.; Kelkar, A. H.	Fragmentation dynamics of diatomic molecules under proton impact: Kinetic energy release spectra of COq+ and NOq+ (q=2, 3) molecular ions	EUROPEAN PHYSICAL JOURNAL D	1434-6060	1434-6079	EUR PHYS J D	SEP	2022
440	Journal	Goswami, Swarna; Dey, Arnab; Ghosh, Sagareeka; Das, Susmita; Dutta, Avisek; Dutta, Shibanskar; De, Sukanta; Dutta, Kajari	A BICHROMOPHORIC ORGANIC-INORGANIC SEMICONDUCTOR NANOCOMPOSITE: DEVICE READY BROAD SPECTRAL RESPONSE LIGHT-HARVESTING MATERIAL WITH ENHANCED PHOTORESPONSE	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS	0927-7757	1873-4359	COLLOID SURFACE A	JUL 20	2020
441	Journal	Bhattacharya, Souptik; Sen, Dwaipayan; Bhattacharjee, Chiranjib	Inhibition mechanism study for diallyl thiosulfinate (allicin) against crucial bacterial proteins through in silico molecular docking simulation	PROCESS BIOCHEMISTRY	1359-5113	1873-3298	PROCESS BIOCHEM	NOV	2022

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442	Journal	Barman, Puspendu; Basu, Avik Kr; Roy, Shyamal	Performance of Mesoporous Ceria-Supported Pt Catalysts for Oxidative Degradation of Aqueous Solution of Toxic Phenol in a Continuous Fixed Bed Reactor: Optimization of Reaction Conditions, Kinetics, Catalyst Stability, and Characterization	INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	0888-5885	1520-5045	IND ENG CHEM RES	NOV 24	2023
443	Journal	Chatterjee, Mahasweta; Saha, Samik; Das, Sachindranath; Bhattacharyya, Satyaranjan; Pradhan, Swapan Kumar	MWCNT incorporated wool-ball-like CuO@NiO hybrid nanostructures for high-performance energy storage device	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	1873-4669	J ALLOY COMPD	DEC 15	2021
444	Journal	Prasad, Ravindra; Gupta, Sanjay Kumar; Shabnam, Nisha; Oliveira, Carlos Yure B.; Nema, Arvind Kumar; Ansari, Faiz Ahmad; Bux, Faizal	Role of Microalgae in Global CO2 Sequestration: Physiological Mechanism, Recent Development, Challenges, and Future Prospective	SUSTAINABILITY		2071-1050	SUSTAINABILITY-BASEL	DEC	2021
445	Journal	Sahoo, Sumit; Velmurugan, Gunasekaran; Chakraborty, Buddhadeb; Comba, Peter; Rath, Harapriya	NIR absorbing aromatic (antiaromatic) vinylous carbasapphyrins (3.3.1.0.1) with built-in fused dipolar aromatic hydrocarbon: synthesis and characterization	ORGANIC CHEMISTRY FRONTIERS	2052-4129		ORG CHEM FRONT	DEC 7	2021
446	Journal	Kumar Pandey, Indresh; Kumar, Abhishek; Choudhury, Joyanta	Electrocatalytic CO2 Reduction with a Half-Sandwich Cobalt Catalyst: Selectivity towards CO	CHEMISTRY-AN ASIAN JOURNAL	1861-4728	1861-471X	CHEM-ASIAN J	MAR 16	2020
447	Journal	Das, Trisha; Singha, Debdas; Nandi, Mahasweta	The big effect of a small change: formation of CuO nanoparticles instead of covalently bound Cu(II) over functionalized mesoporous silica and its impact on catalytic efficiency	DALTON TRANSACTIONS	1477-9226	1477-9234	DALTON T	AUG 7	2020
448	Journal	Maiti, Abhishek; Agarwal, Khushboo; Gonzalez-Munoz, Sergio; Kolosov, Oleg. V.	Quantifying anisotropic thermal transport in two-dimensional perovskite (PEA2PbI4) through cross-sectional scanning thermal microscopy	PHYSICAL REVIEW MATERIALS	2475-9953		PHYS REV MATER	FEB 3	2023
449	Journal	Karmakar, Ankana; Hossain, Washim; Mandal, Suraj; Das, Sayannita; Khatun, Sahiba; Goswami, Tamal; Sinha, Banita; Ghosh, Manas; Ghosh, Pranab; Mandal, Amitava	White LED light mediated green photoreduction of nitroarenes to anilines on bimetallic Ni/Ag@resin: In situ SERS monitoring and evaluation of plasmonic effect	APPLIED CATALYSIS A-GENERAL	0926-860X	1873-3875	APPL CATAL A-GEN	APR 5	2024
450	Journal	Banerjee, Debasree; Basu, Sankhadeep; Sarkar, Ujjaini	Removal of chlorhexidine gluconate in presence of a cationic surfactant using acid functionalized activated carbon: Validation of multicomponent models	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2213-2929	2213-3437	J ENVIRON CHEM ENG	OCT	2020
451	Journal	Bera, Sourabh; Chowdhury, Abhinanda; Sarkar, Koushik; Dastidar, Parthasarathi	Design and Synthesis of ZnII-Coordination Polymers Anchored with NSAIDs: Metallovesicle Formation and Multi-drug Delivery	CHEMISTRY-AN ASIAN JOURNAL	1861-4728	1861-471X	CHEM-ASIAN J	FEB 17	2020
452	Journal	Das, Athulya; Mohammed, Thasnim P.; Kumar, Rajesh; Bhunia, Sarmistha; Sankaralingam, Muniyandi	Carbazole appended trans-dicationic pyridinium porphyrin finds supremacy in DNA binding/photocleavage over a non-carbazolyl analogue	DALTON TRANSACTIONS	1477-9226	1477-9234	DALTON T	AUG 23	2022
453	Journal	Rakshit, Trilochan; Mandal, Bikramaditya; Alenezi, Khalaf M.; Ganguly, Rakesh; Mandal, Debdas	Synthesis, structure, luminescent properties and catecholase activity of Zn(II) complex with N, O chelating agent	JOURNAL OF MOLECULAR STRUCTURE	0022-2860	1872-8014	J MOL STRUCT	MAR 5	2021

Sl. No.	Publication Type	Author Full Names	Article Title	Source Title	ISSN	eISSN	Journal Abbreviation	Publication Date	Publication Year
454	Journal	Banerjee, Debasish; Sen, Arnab	Quantum Scars from Zero Modes in an Abelian Lattice Gauge Theory on Ladders	PHYSICAL REVIEW LETTERS	0031-9007	1079-7114	PHYS REV LETT	JUN 4	2021
455	Journal	Singh, Gaurav; Das, Kunal; Mandal, Dalia Dasgupta	Valorization of Kraft Lignin via Its Conversion into Lignin Nanoparticles to Act Both as DDS and Biostimulator for Plant	WASTE AND BIOMASS VALORIZATION	1877-2641	1877-265X	WASTE BIOMASS VALORI	2024 APR 9	2024
456	Journal	Bhattacharya, Souptik; Gupta, Deepanjali; Sen, Dwaipayan; Bhattacharjee, Chiranjib	Process intensification on the enhancement of allicin yield from Allium sativum through ultrasound attenuated nonionic micellar extraction	CHEMICAL ENGINEERING AND PROCESSING-PROCESS INTENSIFICATION	0255-2701	1873-3204	CHEM ENG PROCESS	DEC	2021
457	Journal	Kumar, Devendra; Mohammad, Sk Arif; Alam, Md Mehboob; Banerjee, Sanjib	Ultrafast and green ionic liquid-mediated controlled cationic polymerization towards amphiphilic diblock copolymers	POLYMER CHEMISTRY	1759-9954	1759-9962	POLYM CHEM-UK	JAN 25	2022
458	Journal	Itoh, Mitsuru; Hamasaki, Yosuke; Takashima, Hiroshi; Yokoi, Rie; Taguchi, Ayako; Moriwake, Hiroki	Chemical design of a new displacive-type ferroelectric	DALTON TRANSACTIONS	1477-9226	1477-9234	DALTON T	FEB 14	2022
459	Journal	Ghosh, Tanmoy Kumar; Maity, Souvik; Ghosh, Soumavo; Gomila, Rosa M.; Frontera, Antonio; Ghosh, Ashutosh	Role of Redox-Inactive Metal Ions in Modulating the Reduction Potential of Uranyl Schiff Base Complexes: Detailed Experimental and Theoretical Studies	INORGANIC CHEMISTRY	0020-1669	1520-510X	INORG CHEM	MAY 9	2022
460	Journal	Reja, Sahin; Sarkar, Kaushik; Mukherjee, Deboshmita; Guha, Shramana; Ghosh, Supriyo; Saha, Tilak; Kumar, Pranesh; Das, Purak; Das, Rajesh Kumar	Novel bioinspired dinuclear Cu(II) 'paddle wheel' acetate complex: Catalytic and in vitro biological activity studies	JOURNAL OF MOLECULAR STRUCTURE	0022-2860	1872-8014	J MOL STRUCT	MAR 15	2024
461	Journal	Maity, Sourav; Sasmal, Abhishek; Sen, Shrabanee	Comprehensive characterization of Ba1-x,SrxTiO3: Correlation between structural and multifunctional properties	JOURNAL OF ALLOYS AND COMPOUNDS	0925-8388	1873-4669	J ALLOY COMPD	DEC 5	2021
462	Journal	Maiti, Pradip; Saren, Ujjal; Chakraborty, Utsav; Singha, Tanmoy; Paul, Sharmistha; Paul, Pabitra Kumar	Comparative and Selective Interaction of Amino Acid D-Cysteine with Colloidal Gold Nanoparticles in the Presence of a Fluorescent Probe in Aqueous Medium	ACS OMEGA	2470-1343		ACS OMEGA	AUG 23	2022
463	Journal	Mishra, Krishna; Das, Ayendra; Ghosh, Subhadip	Subpicosecond Charge Separation Time Scale at Graphene Quantum Dot Surface	JOURNAL OF PHYSICAL CHEMISTRY C	1932-7447	1932-7455	J PHYS CHEM C	NOV 5	2020
464	Journal	Das, Tushar Kanti; Karmakar, Sudip; Maiti, Susmita; Kundu, Somashree; Saha, Abhijit	Room temperature synthesis of NIR emitting Ag2S nanoparticles through aqueous route and its influence on structural modulation of DNA	SPECTROCHIMICA ACTA PART A- MOLECULAR AND BIOMOLECULAR SPECTROSCOPY	1386-1425	1873-3557	SPECTROCHIM ACTA A	FEB 15	2020
465	Journal	Mandal, Pintu; Mukherjee, Manas	Non-degenerate dodecapole resonances in an asymmetric linear ion trap of round rod geometry	INTERNATIONAL JOURNAL OF MASS SPECTROMETRY	1387-3806	1873-2798	INT J MASS SPECTROM	APR	2024
466	Journal	Singha, Debidas; Pal, Ananya; Uyama, Hiroshi; Roy, Partha; Nandi, Mahasweta	Discriminatory behavior of a rhodamine 6G decorated mesoporous silica based multiple cation sensor towards Cu2+ and Hg2+ vis-a-vis Al3+Cr3+ and Fe3+: selective removal of Cu2+ and Hg2+ from aqueous media	DALTON TRANSACTIONS	1477-9226	1477-9234	DALTON T	SEP 28	2021

Sl. No.	Publication Type	Author Full Names	Article Title	Source Title	ISSN	eISSN	Journal Abbreviation	Publication Date	Publication Year
467	Journal	Pal, Debamita; Banerjee, Debasree; Sarkar, Ujjaini	Adsorption of an antiseptic in a functionalized fixed-bed: Analysis of breakthrough scenarios and validation of simplistic models defending a novel proposition	JOURNAL OF ENVIRONMENTAL MANAGEMENT	0301-4797	1095-8630	J ENVIRON MANAGE	APR	2024
468	Journal	Sen, Sohini; Basak, Piyali; Sinha, Bishnu Prasad; Maurye, Praveen; Jaiswal, Krishna Kumar; Das, Partha; Mandal, Tapan Kumar	Anti-inflammatory effect of epidermal growth factor conjugated silk fibroin immobilized polyurethane ameliorates diabetic burn wound healing	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	0141-8130	1879-0003	INT J BIOL MACROMOL	JAN 15	2020
469	Journal	Mishra, Saikat; Kumar, Shibaditya; Bhandari, Anirban; Das, Aniruddha; Mondal, Pallav; Hundal, Geeta; Olmstead, Marilyn M.; Patra, Apurba K.	Reactivity of Nitric Oxide and Nitrosonium Ion with Copper(II/I) Schiff Base Complexes: Mechanistic Aspects of Imine C=N Bond Cleavage and Oxidation of Pyridine-2-aldehyde to Pyridine-2-carboxylic Acid	INORGANIC CHEMISTRY	0020-1669	1520-510X	INORG CHEM	MAY 2	2022
470	Journal	Debnath, Ranjit; Sutradhar, Prasanta; Saha, Mitali	Design of Porous Graphene Materials from Organic Precursors	CRYSTAL RESEARCH AND TECHNOLOGY	0232-1300	1521-4079	CRYST RES TECHNOL	MAR	2023
471	Journal	Ghosh, Dipankar; Farahani, Abbas D.; Martin, Adam D.; Thordarson, Pall; Damodaran, Krishna K.	Unraveling the Self-Assembly Modes in Multicomponent Supramolecular Gels Using Single-Crystal X-ray Diffraction	CHEMISTRY OF MATERIALS	0897-4756	1520-5002	CHEM MATER	APR 28	2020
472	Journal	Mondal, Sanchaita; Das, Sujata; Mahapatra, Pradip Kumar; Das Saha, Krishna	Morin-VitaminE-β-CyclodextrinInclusionComplexLoadedChitosanNanoparticles (M-Vit.E-CD-CSNPs) Ameliorate Arsenic-Induced Hepatotoxicityina Murine Model	MOLECULES		1420-3049	MOLECULES	SEP	2022
473	Journal	Chakraborty, Ritobrita; Dey, Sandip; Sil, Pallabi; Paul, Simanta Sarani; Bhattacharyya, Dipita; Bhunia, Anirban; Sengupta, Jayati; Chattopadhyay, Krishnananda	Conformational distortion in a fibril-forming oligomer arrests alpha-Synuclein fibrillation and minimizes its toxic effects	COMMUNICATIONS BIOLOGY		2399-3642	COMMUN BIOL	MAY 3	2021
474	Journal	Mohammad, Sk Arif; Dolui, Subrata; Kumar, Devendra; Mane, Shivshankar R.; Banerjee, Sanjib	L-Histidine-Derived Smart Antifouling Biohybrid with Multistimuli Responsivity	BIOMACROMOLECULES	1525-7797	1526-4602	BIOMACROMOLECULES	SEP 13	2021
475	Journal	Islam, M.; Adhikari, S.; Pramanick, S.; Chatterjee, S.; Karmakar, A.	Remarkable effects of dopant valency - a comparative study of CaBaCo ₃ .96Cr _{0.04} O ₇ and CaBaCo ₃ .96Ni _{0.04} O ₇	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	0304-8853	1873-4766	J MAGN MAGN MATER	JUL 1	2021
476	Journal	Roy, Shyamal; Mondal, Dilip Kumar	Kinetics study of catalytic wet oxidation of phenol over novel ceria promoted mesoporous silica supported Ru-Fe ₃ O ₄ catalyst	CHEMICAL ENGINEERING RESEARCH & DESIGN	0263-8762	1744-3563	CHEM ENG RES DES	JUN	2022
477	Journal	Pal, Ananya; Das, Trisha; Ghosh, Susanta; Nandi, Mahasweta	Supercapacitor behaviour of manganese dioxide decorated mesoporous silica synthesized by a rapid sol-gel inverse micelle method	DALTON TRANSACTIONS	1477-9226	1477-9234	DALTON T	SEP 28	2020
478	Journal	Mandal, Bikramaditya; Halder, Anwesha; Saha, Rajat; Mandal, Debdas	Mononuclear Mn(III) complex with sterically constrained phenol-based ligand: Synthesis, structure and catecholase activity	JOURNAL OF MOLECULAR STRUCTURE	0022-2860	1872-8014	J MOL STRUCT	NOV 15	2020
479	Journal	De, Kakali	Decapeptide Modified Doxorubicin Loaded Solid Lipid Nanoparticles as Targeted Drug Delivery System against Prostate Cancer	LANGMUIR	0743-7463		LANGMUIR	NOV 16	2021

Sl. No.	Publication Type	Author Full Names	Article Title	Source Title	ISSN	eISSN	Journal Abbreviation	Publication Date	Publication Year
480	Journal	Mishra, Krishna; Das, Ayendril; Ghosh, Subhadip	Ultrafast Interfacial Electron Transfer from Graphene Quantum Dot to 2,4-Dinitrotoluene	JOURNAL OF PHYSICAL CHEMISTRY C	1932-7447	1932-7455	J PHYS CHEM C	MAY 13	2021
481	Journal	Ganguly, Sayantan; Bhunia, Pradip; Mayans, Julia; Ghosh, Ashutosh	Pentanuclear MII-MnII (M = Ni and Cu) complexes of N2O2 donor ligands with a variation of carboxylate anions: syntheses, structures, magnetic properties and catecholase-like activities	NEW JOURNAL OF CHEMISTRY	1144-0546	1369-9261	NEW J CHEM	SEP 20	2022
482	Journal	Mandal, Bikramaditya; Haldar, Anwesha; Ganguly, Rakesh; Saha, Rajat; Mandal, Debdas	A new mononuclear Fe(III) Mannich-base complex with selective histidine binding and catechol oxidase activity	NEW JOURNAL OF CHEMISTRY	1144-0546	1369-9261	NEW J CHEM	MAR 6	2023
483	Journal	Pal, Sunanda; Mahamiya, Vikram; Ray, Purbali; Sarkar, Abhimanyu; Sultana, Farhin; Adhikary, Bibhutoh; Chakraborty, Brahmananda; Show, Bibhutibhushan	β -Bi2O3-Bi2WO6 Nanocomposite Ornated with meso-Tetraphenylporphyrin: Interfacial Electrochemistry and Photoresponsive Detection of Nanomolar Hexavalent Cr	INORGANIC CHEMISTRY	0020-1669	1520-510X	INORG CHEM	DEC 11	2023
484	Journal	Gangopadhyay, Rupali	How does PEDOT grow like nanoropes? A theoretical investigation in pace with experimental insights	JOURNAL OF MOLECULAR LIQUIDS	0167-7322	1873-3166	J MOL LIQ	OCT 10	2020
485	Journal	Majumder, Mitali; Das, Tapashi; Rajak, Kajal Krishna	Synthesis of oxidovanadium complexes containing coumarin and naphthalene: bromoperoxidase activity and DNA/BSA binding	JOURNAL OF COORDINATION CHEMISTRY	0095-8972	1029-0389	J COORD CHEM	MAR 19	2023
486	Journal	Bhowmick, Anindita; Brahmachari, Goutam	C(sp ³)-C(sp ³) Bond Formation through Ligand- and Additive-Free CuO-Mediated Decarboxylative Direct Cross-Coupling of Coumarin-/Chromone-3-carboxylic Acids and Terminal Alkynes	ORGANIC LETTERS	1523-7060	1523-7052	ORG LETT	SEP 22	2023
487	Journal	Ganguly, Sayantan; Bhunia, Pradip; Mayans, Julia; Ghosh, Ashutosh	Trinuclear heterometallic CuII-MII (M = Mn and Co) complexes of N,O donor ligands with o-nitro benzoate anion: Structures, magnetic properties and catalytic oxidase activities	INORGANICA CHIMICA ACTA	0020-1693	1873-3255	INORG CHIM ACTA	MAY 1	2023
488	Journal	Chakraborty, B.; Raj, K. Y.; Pradhan, A. K.; Chatterjee, B.; Chakravorti, S.; Dalai, S.	Investigation of Dielectric Properties of TiO2 and Al2O3 nanofluids by Frequency Domain Spectroscopy at Different Temperatures	JOURNAL OF MOLECULAR LIQUIDS	0167-7322	1873-3166	J MOL LIQ	MAY 15	2021
489	Journal	Sarkar, Debmalya; Das, Namrata; Sau, Souvik; Basu, Ruma; Das, Sukhen	Micro-patterned BaTiO3@Ecoflex nanocomposite-assisted self-powered and wearable triboelectric nanogenerator with improved charge retention by 2D MoTe2/PVDF nanofibrous layer	JOURNAL OF MATERIALS CHEMISTRY C	2050-7526	2050-7534	J MATER CHEM C	JAN 18	2024
490	Journal	Noreen, Zarish; Loffredo, Christopher A.; Bhatti, Attia; Simhadri, Jyothirmal J.; Nunlee-Bland, Gail; Nnanabu, Thomas; John, Peter; Khan, Jahangir S.; Ghosh, Somiranjana	Transcriptional Profiling and Biological Pathway(s) Analysis of Type 2 Diabetes Mellitus in a Pakistani Population	INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH		1660-4601	INT J ENV RES PUB HE	AUG	2020
491	Journal	De, Arnab; Malpani, Deepika; Das, Bhaskar; Mitra, Debmalya; Samanta, Amallesh	Characterization of an arabinogalactan isolated from gum exudate of Odina woder Roxb.: Rheology, AFM, Raman and CD spectroscopy	CARBOHYDRATE POLYMERS	0144-8617	1879-1344	CARBOHYD POLYM	DEC 15	2020

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492	Journal	Hima, P.; Vageesh, M.; Tomasini, Michele; Poater, Albert; Dey, Raju	Transition metal-free synthesis of 2-aryl quinazolines via alcohol dehydrogenation	MOLECULAR CATALYSIS	2468-8231		MOL CATAL	MAY	2023
493	Journal	Majumder, Mitali; Rajak, Kajal Krishna	Oxidovanadium (V and IV) complexes incorporating coumarin based ONO ligand: Synthesis, structure and catalytic activities	POLYHEDRON	0277-5387		POLYHEDRON	JAN 15	2020
494	Journal	Chakraborty, Nirman; Sanyal, Ambarish; Das, Sagnik; Saha, Debdulal; Medda, Samar Kumar; Mondal, Swastik	Ammonia Sensing by Sn1-xVxO2 Mesoporous Nanoparticles	ACS APPLIED NANO MATERIALS	2574-0970		ACS APPL NANO MATER	AUG 28	2020
495	Journal	Boon, Ruben; Kumar, Manoj; Tricot, Tine; Elia, Ilaria; Ordovas, Laura; Jacobs, Frank; One, Jennifer; De Smedt, Jonathan; Eelen, Guy; Bird, Matthew; Roelandt, Philip; Doglioni, Ginevra; Vriens, Kim; Rossi, Matteo; Vazquez, Marta Aguirre; Vanwelden, Thomas; Chesnais, Francois; El Taghdouini, Adil; Najimi, Mustapha; Sokal, Etienne; Cassiman, David; Snoeys, Jan; Monshouwer, Mario; Hu, Wei-Shou; Lange, Christian; Carmeliet, Peter; Fendt, Sarah-Maria; Verfaillie, Catherine M.	Amino acid levels determine metabolism and CYP450 function of hepatocytes and hepatoma cell lines	NATURE COMMUNICATIONS	2041-1723		NAT COMMUN	MAR 13	2020