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S. No	Authors	Title	Source title	DOI
1	Inobeme A.; Natarajan A.; Pradhan S.; Adetunji C.O.; Devolli A.; Chauhan C.; Mathew J.T.; Inobeme J.; Pal K.; Singh K.R.; Pandey S.S.	Probing heavy metals in tropospheric particulate matter – An approach towards sustainability	Journal of Molecular Liquids	10.1016/j.molliq.2024.125822
2	Subramani R.; Pushparaj C.; Ganesan A.	Kinetic modelling of Okra and Gracilaria corticata hydrocolloid mucilage polysaccharides	Journal of Research and Innovation in Food Science and Technology	10.22101/jrifst.2023.349221.1378
3	Thiruarul D.; Charles J.W.; Lavanya M.; Rajesh K.B.; Jaroszewicz Z.	Generation of sub-wavelength longitudinal magnetization needle and multiple longitudinal spots using circularly polarized beam through an annular walsh function filter	Journal of Optics (India)	10.1007/s12596-023-01428-y
4	Aazaad B.; Mano Priya A.; Subramani R.	Environmental implications of oxalic and malonic acids with tropospheric oxidants	Journal of Physical Organic Chemistry	10.1002/poc.4639
5	Arumugam S.; Angamuthu A.; Gopalan P.	DFT study on the electronic and structural properties of M-Salen and M-Salphen electrocatalysts towards effective HER	Journal of the Indian Chemical Society	10.1016/j.jics.2024.101381
6	Lakshmi S.V.; Vijaya M.S.	An intelligent deep learning based aqi prediction model with pooled features	Journal of Theoretical and Applied Information Technology	

7	Marimuthu P.; Ramu A.; Venkatesh N.; Ahamed A.A.; Venkatesan G.; Chinnathambi A.; Kandasamy S.	Design and synthesis of simple quinoline-based organic molecules as dual/multifunctional chemosensors for the detection of Cu ²⁺ /Fe ³⁺ ions	Journal of Molecular Structure	10.1016/j.molstruc.2024.138530
8	S P.M.P.; devi D.P.; Praveena G.; R J.B.; Abiram A.	Adsorption behavior of VX nerve agent on X12Y12 nanocages: a density functional theory study	Structural Chemistry	10.1007/s11224-023-02256-3
9	Krishnan Sundarrajan S.; Pottail L.	Fabrication of Biomimetic Hydrophobic Surfaces Using Phyto-Polymers and their Bimetallic Au@Ag Nanoparticles	Chemistryselect	10.1002/slct.202302913
10	Sangeetha M.; Parvathy S.; Deiwakumari K.; Veena T.; Badrinarayan D.	Enhanced energy efficient routing protocol for on demand distance vector routing to improve communication in border area military communication	International Journal of Computational and Experimental Science and Engineering	10.22399/ijcesen.492
11	Senthilkumar P.; Gogoi B.; Dhan S.S.; Subramani R.; Pushparaj C.; Mahesh A.	Improving therapeutic potential in breast cancer via histone deacetylase inhibitor loaded nanofibrils	Drug Development Research	10.1002/ddr.22172
12	Renugadevi R.; Ranjith Kumar P.; Kalaiarasi G.; Raj A.A.E.; Settu S.; Ruthravarshini R.	Enhancing healthcare decision support systems with advanced analytics and machine learning techniques	Cybersecurity and Data Management Innovations for Revolutionizing Healthcare	10.4018/979-8-3693-7457-3.ch003
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15	Devipriya S.; Vijaya M.S.	Graph convolutional neural network for ic50 prediction model with drug smiles graphs and gene expressions of amyotrophic lateral sclerosis	Journal of Theoretical and Applied Information Technology	
16	Divya A.; Ramya K.; Sasikala D.	Necessary or sufficient condition for Alexandroff topological spaces to be cordial graphic	Results in Control and Optimization	10.1016/j.rico.2024.100467
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18	Swathika M.; Rai H.; Singh K.R.; Pandey S.S.; Natarajan A.	Hetero atom-based metal complexes as emitters in organic light-emitting diodes	Journal of Molecular Structure	10.1016/j.molstruc.2024.137664
19	Arthi G.; Vaanmathi M.	Controllability of Impulsive Damped Fractional Order Systems Involving State Dependent Delay	Contemporary Mathematics (Singapore)	10.37256/cm.5220242718
20	Chandran S.; Ganesan A.P.; Asthana N.; Pandey S.S.; Singh K.R.; Natarajan A.	Proliferating optoelectronic properties of doped zno nanoparticles	Journal of Molecular Structure	10.1016/j.molstruc.2024.138310
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22	Ganesan A.R.; Mohan K.; Kandasamy S.; Surendran R.P.; Kumar R.; Rajan D.K.; Rajarajeswaran J.	Corrigendum to "Food waste-derived black soldier fly (Hermetia illucens) larval resource recovery: A circular bioeconomy approach" Process Saf. Environ.	Process Safety and Environmental Protection	10.1016/j.psep.2024.02.064

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23	Sundararaju A.; Theivanayaki M.	Role of microfinance institutions in enhancing street vending business in India	Multidisciplinary Reviews	10.31893/multi rev.2024052
24	Kalaivani A.; Karpagavalli S.	Advanced domain adaptation for skin disease segmentation and classification using bootstrapping of fine-tuned deep learner	Multimedia Tools and Applications	10.1007/s11042-023-17004-2
25	Murugan M.; Ramasamy S.K.; Venkatesan G.; Lee J.; Barathi S.; Kandasamy S.; Sarangi P.K.	The comprehensive review on 3D printing-pharmaceutical drug delivery and personalized food and nutrition	Food Chemistry	10.1016/j.food chem.2024.140348
26	Kalaivani A.; Karpagavalli S.	Bootstrapping of fine-tuned segmentation and classification network for epidermis disorder categorization	Multimedia Tools and Applications	10.1007/s11042-023-16255-3
27	Paul S.P.M.; Parimala devi D.; Praveena G.; Selvarengan P.; Beula R.J.; Abiram A.	Impact of Venomous Agent X (VX) Adsorption on the Structural and Electronic Properties of BN Nanosheet, Nanotube and nanocage-A DFT-D3 Study	Journal of Cluster Science	10.1007/s10876-023-02539-z
28	Pourzolfaghar H.; Wang P.-Y.; Jiang X.-Y.; Kositsarakhom S.; Jirasupcharoen W.; Suwantri C.; Jyothi D.; Prabhakaran K.; Li Y.-Y.	Emerging trends and innovations in all-solid-state lithium batteries: A comprehensive review	Chemical Engineering Journal	10.1016/j.cej.2024.157394
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32	Bhuvanendran N.; Ravichandran S.; Lee S.; Sanij F.D.; Kandasamy S.; Pandey P.; Su H.; Lee S.Y.	Recent progress in Pt-based electrocatalysts: A comprehensive review of supported and support-free systems for oxygen reduction	Coordination Chemistry Reviews	10.1016/j.ccr.2024.216191
33	Mohan K.; Kandasamy S.; Rajarajeswaran J.; Sundaram T.; Bjeljac M.; Surendran R.P.; Ganesan A.R.	Chitosan-based insecticide formulations for insect pest control management: A review of current trends and challenges	International Journal of Biological Macromolecules	10.1016/j.ijbio mac.2024.135937
34	Shanjitha S.; Suvarnna K.; Jone Kirubavathy S.	An effective 'Turn – off' photoluminescence chemo sensors for the selective detection of fenitrothion using single crystalline Cu (II) / Ni (II) complexes	Inorganic Chemistry Communications	10.1016/j.inoc he.2024.112432
35	Rahupathy S.; Sivanandhan M.; Parasuraman A.	Green Synthesis of Carbon Quantum Dots and Their Environmental Application for the Detection of Heavy Metal Ions	Engineering Materials	10.1007/978-981-97-6203-3_5
36	Ashwathi K.; Nandhini V.M.; Thirumalai V.; Ezhili N.; Pushparaj C.	Phytochemical profiling of ethanolic extract of bee pollen using Gas Chromatography Mass Spectroscopy and its in silico analysis of hypocholesterolemic activity	Entomon	10.33307/entomon.v49i1.1038

37	Arumugam S.; Angamuthu A.; Gopalan P.	Effect of boron halogenation on dihydrogen bonds: A quantum mechanical approach	Journal of Chemical Sciences	10.1007/s12039-024-02258-6
38	Singh P.; Nayak V.; Verma R.; Natarajan A.; Singh J.; Pandey S.S.; Singh K.R.	Comprehensive perspective of sustainable nanostructured metal and metal oxide towards agriculture utility for precision farming	Biocatalysis and Agricultural Biotechnology	10.1016/j.bcab.2024.103457
39	Neerajah A.; Subramanian P.	Square sum difference product prime labeling on some special graphs	AIP Conference Proceedings	10.1063/5.0208552
40	Changala R.; Barathi S.; Subhashini R.; Lawrance J.C.; Anuradha S.; Bala B.K.	Implementing Cross-Lingual Information Retrieval Systems to Enhance Resource Accessibility in English Language Learning	2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024	10.1109/ICCCNT61001.2024.10725465
41	Arthi G.; Gopika S.	Controllability of Impulsive Nonlinear Fractional Dynamical System with Delays in State and Control	Contemporary Mathematics (Singapore)	10.37256/cm.5420242717
42	Jothi B.; Arputharaj A.D.S.; Selvaraju K.; Lara Priyadharshini S.; Al-Sehemi A.G.	A Theoretical Investigation on the Properties of Charge Transport of Hexaazatrinaphthylene Derivatives	Chemistryselect	10.1002/slct.202304156
43	Karthika S.; Sundari S.S.; Marimuthu K.; Meena P.	Enhancement of electrical and radiation shielding properties of vanadium doped lithium telluroborate (LTB) glasses	Chemical Physics Impact	10.1016/j.chphi.2023.100430

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45	Sathyapriya R.; S J N.F.; Arun Paul C.; Prakash T.; Ranjith Kumar E.; Natarajan A.	Camellia Sinensis assisted green synthesis of metal oxide nanoparticles: Investigation of structural, vibrational, morphological and thermal analysis	Journal of the Indian Chemical Society	10.1016/j.jics.2024.101165
46	Sukumar A.N.; Duraisamy P.D.; Paul. S P.M.; Gopalan P.; Angamuthu A.	Pristine B40 fullerene as a potential gemcitabine drug carrier for anti-lung cancer properties: a DFT and QTAIM study	Journal of Biomolecular Structure and Dynamics	10.1080/07391102.2024.2431665
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48	Suresh S.N.; Wadaan M.A.; Subramani R.; Natarajan A.	Effect of k-casein-chlorella-carvacrol coating for enhancing shelf life of sapodilla fruit	Journal of the Taiwan Institute of Chemical Engineers	10.1016/j.jtice.2024.105859
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51	Shanthini S.; Devi M.S.; Grace R.S.	A comprehensive review of learning rules and architecture of perceptron in artificial neural networks (anns)	Deep Learning in Engineering, Energy and Finance: Principals and Applications	10.1201/9781003564874-4
52	Divya T.; Gripsy J.V.	An integrated deep learning based enhanced grey wolf optimization for lung cancer prediction	Journal of Theoretical and Applied Information Technology	
53	Arthi G.; Vaanmathi M.; Ma Y.-K.	Controllability of stochastic fractional systems involving state-dependent delay and impulsive effects	Advances in Continuous and Discrete Models	10.1186/s13662-024-03799-3
54	Syed Abuthahir S.; Swarnamughi K.; Bhasin N.K.; Lawrance J.C.; Rengarajan M.; Alphonse F.R.	Building a Deep Neural Network for Automated Essay Scoring in English Language Teaching	2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024	10.1109/ICCCNT61001.2024.10725936
55	Sudha D.; Revathi A.; Arunadevi N.; Kirubavathy S.J.	Structural characterization, DNA interaction and pharmacological evaluation of Cu (II), Co (II), Ni (II), Fe (II) dihydrate complexes derived from pyridine-2,5-dicarboxylic acid and 2-methylimidazole as organic moieties	Journal of Molecular Structure	10.1016/j.molstruc.2024.138632
56	Natarajan A.; Singh K.R.B.; Singh P.; Singh J.; Pandey S.S.; Singh R.P.	Silver Nanoparticles Based Functional Materials for Antibacterial and Antiviral Applications	ACS Symposium Series	10.1021/bk-2024-1472.ch006

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58	Varunamugi R.; Metha K.M.; Paul C.A.; Sathyaseelan T.; Sathiyaraj S.; Prakash T.; Poonguzhali R.V.; Kumar E.R.; Natarajan A.	Synthesis and characterization of Co ₃ O ₄ , CuO and NiO and nanoparticles: Evaluation of structural, vibrational, morphology and thermal properties	Physics Letters, Section A: General, Atomic and Solid State Physics	10.1016/j.physl eta.2024.12957 4
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65	Singh D.; Theivanayaki M.; Ganeshwari M.	Examining Volatility Spillover Between Foreign Exchange Markets and Stock Markets of Countries such as BRICS Countries	Global Business Review	10.1177/09721509211020543
66	Nancy Sukumar A.; Prince Makarios Paul S.; Gopalan P.; Angamuthu A.	Investigation of aluminum nitrate nanotube as the smart carriers for targeted delivery of gemcitabine anti-lung cancer drug	Inorganic Chemistry Communications	10.1016/j.inoche.2024.113309
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68	Palanisamy S.; Selvaraju G.D.; Selvakesavan R.K.; Venkatachalam S.; Bharathi D.; Lee J.	Unlocking sustainable solutions: Nanocellulose innovations for enhancing the shelf life of fruits and vegetables – A comprehensive review	International Journal of Biological Macromolecules	10.1016/j.ijbiomac.2024.129592
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73	Sudha Maheswari T.; Shanmugam V.; Priyadarshini S.; Kalimuthu M.; Sivaraman S.; Pavan K.A.	Predicting the Optimal Characteristics of Educators for Success in a Globalized Context	Contributions to Management Science	10.1007/978-3-031-67531-7_56
74	Sreeraj H.; anukiruthika R.; Tamilselvi K.S.; Subha D.	Exosomes for skin treatment: Therapeutic and cosmetic applications	Nano transmed	10.1016/j.ntm.2024.100048
75	Suresh S.N.; senthilkumar P.; Pushparaj C.; Sarangi P.K.; Regina V.R.; Subramani R.	Almond gum-chitosan nanocomposite as edible formulation for advancing postharvest longevity of fruits and vegetables	Polymers for Advanced Technologies	
76	Sundari S.S.; Ganesh D.; Kanchana P.; Arnadevi N.; Chaudhary A.K.; Devi B.P.	Growth, structural, thermal and thz generation properties of modified DAST, CMST and BMST crystals: A comparative study	Growth, structural, thermal and thz generation properties of modified DAST, CMST and BMST crystals: A comparative study	10.1007/s12043-024-02753-y
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82	Amritha P.S.; Vinod V.; Harathi P.B.	Quantitative Estimation of Phthalates from Commercial Bottled Water	Indian Journal of Environmental Protection	
83	Ganesan A.R.; Mohan K.; Kandasamy S.; Surendran R.P.; Kumar R.; Rajan D.K.; Rajarajeswaran J.	Food waste-derived black soldier fly (<i>Hermetia illucens</i>) larval resource recovery: A circular bioeconomy approach	Process Safety and Environmental Protection	10.1016/j.psep.2024.01.084
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86	Narayanan M.; Alshehri M.A.; Natarajan A.	Catalytic and thermochemical conversion of algal biomass to high-quality biofuel: A sustainable approach	Journal of the Taiwan Institute of Chemical Engineers	10.1016/j.jtice.2024.105901
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89	Lawrance J.C.; Sambath P.; Shiny C.; Vazhangal M.; Prema S.; Bala B.K.	Developing an AI-Assisted Multilingual Adaptive Learning System for Personalized English Language Teaching	10th International Conference on Advanced Computing and Communication Systems, ICACCS 2024	10.1109/ICACCS60874.2024.10716887
90	Saranya P.B.; Sudhamathi R.K.	Examining the Relationship Between Implied Volatility, Index Returns, and Trading Volume in the Indian Stock Market	Indian Journal of Finance	10.17010/ijf/2024/v18i3/173616
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95	Duraisamy P.D.; Prince Makarios Paul S.; Gopalan P.; Angamuthu A.	Computational study on alkali and alkaline earth metal decorated B20 cluster for hydrogen storage application	Structural Chemistry	10.1007/s11224-023-02226-9
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99	Deepa V.; Radha N.	A Novel Network Intrusion Detection System for Preventing Flooding Attacks Packet Dropping Attacks in manets Using Deep Learning Algorithm	Lecture Notes in Networks and Systems	10.1007/978-981-97-6103-6_42
100	Gnamamalar R.H.; Ayyasamy R.K.	Digital twin technology in smart agriculture: Enhancing productivity and sustainability	Digital Twins for Smart Cities and Villages	10.1016/B978-0-443-28884-5.00015-4
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