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Publications

Quartile Journal Publications						
Q1	Q2	Q3	Q4	WoS	SCI Indexed	Scopus Indexed / Book Chapter
175	129	54	50	375	375	376

Year	2019	2020	2021	2022	2023	2024
Journals	8	21	22	23	39	26

2024 Publications

Quartile	Q1	Q2	Q3
Total	14	8	3

Sl. No.	Title of the paper	Authors	Journal	Volume	S I	WoS	Quartile IF
1	Unveiling the Performance Symphony of Iron Fluoride Cathodes in Advanced Energy Storage Devices	Dhivyadharshini, Sindhu S. Raj, B.J. Arpita and K.A. Vishnumurthy	Korean Journal of Chemical Engineering	41	Y	Y	Q2
2	Iron oxide nanoparticles for inflammatory bowel disease: Recent advances in diagnosis and targeted drug therapy	M. Prakash, M. N. Chandrababha, R. Harikrishna, S. Harini and S. Girish Kumar	Applied Surface Science Advances	19	Y	Y	Q1
3	Computational molecular perspectives on novel carbazole derivative as an anti-cancer molecule against CDK1 of breast and colorectal cancers via gene expression studies, novel two-way docking strategies, molecular mechanics and dynamics.	Suvarna, E., Setlur, A. S., Chandrashekar, K., Sridharan, M. and Niranjana, V.	Computational biology and chemistry	108	Y	Y	Q2
4	Tailored carbon nanotube-CoS ₂ nanocomposites for the development of asymmetric supercapacitor coin cells demonstrating enhanced electrochemical properties	K.P. Shwetha, M.K. Sudha Kamath, Chandresh Kumar Rastogi, Yash Athreya, Sooryadas Sudhakaran and C. Manjunatha	Journal of Energy Storage	97	Y	Y	Q1
5	Recent advances in anodically fabricated amorphous TiO ₂ nanotubes crystallization techniques and their applications	Raghavendra Garlapally, Niharika MP, B Manmadha Rao, B Venkateswarlu, Nagarjuna Neella and C Manjunatha	Physica Scripta	99	Y	Y	Q1

6	High selectivity and sensitivity through nanoparticle sensors for cleanroom CO ₂ detection	Manjunatha Channegowda, Arpit Verma, Igra Arabia, Ujwal Shreenag Meda, Ishpal Rawal, Sarvesh Rustagi, Bal Chandra Yadav, Patrick SM Dunlop, Nikhil Bhalla and Vishal Chaudhary	Nanotechnology	35	Y	Y	Q1
7	Development of NiS@f MWCNT nanocomposite-based high-performance supercapacitor coin cell prototype device	K.P. Shwetha, M.K. Sudha Kamath, Yash N. Athreya, Chandresh Kumar Rastogi, Kathyayini Nagaraju, Ajit Khosla and C. Manjunatha	Journal of Energy Storage	75	Y	Y	Q1
8	Advances in Hierarchical Inorganic Nanostructures for Efficient Solar Energy Harvesting Systems	Manjunatha C, Chandresh Kumar R, Manmadha Rao B, Girish Kumar S, Varun S, Kartik R, Gyanprakash Maurya, Karthik B, Swathi C, Mohtada Sadrzadeh and Ajit Khosla	ChemSusChem	17	Y	Y	Q1
9	Batch studies on uranium uptake by CeO ₂ nanoparticles from its aqueous solution	Poojashri Ravindra Naik, Vinod Alurdoddi Rajashekara, Sudeep Mudhulu and Manjunatha Channegowda,	Inorganic Chemistry Communications	163	Y	Y	Q1
10	Understanding the synergistic interactions between photo-Fenton and photocatalytic reactions in heminanchored SnO ₂	R. Shyamala, M. Srinivas, K. Kavya and S. Girish Kumar	Applied Surface Science Advances	21	Y	Y	Q1
11	Greening the future: Pioneering lithium battery recycling and beyond in the E-mobility revolution	Yashesh Vijay Rajyaguru, Aditi Pandey, Arko Bose and Vishnumurthy K A	Vietnam Journal of Chemistry	62	Y	Y	Q3

12	Polymer based composites for electromagnetic interference (EMI) shielding: The role of magnetic fillers in effective attenuation of microwaves, a review	G. M. Mamatha, P. Dixit, R. Harikrishna and S. Girish Kumar	Hybrid Advances	6	Y	Y	Q2
13	Plant Extracts as Green Corrosion Inhibitors for Different Kinds of Steel: A Review	Bhoomika R Holla, R Mahesh, H R Manjunath and A V Raghu	Heliyon	10	Y	NO	Q1
14	Pivotal role of surface and bulk Gd species in WO ₃ to promote Type-II charge carrier transfer pathways in Gd-WO ₃ /g- C ₃ N ₄ heterojunction photocatalyst	K. Kavya, M. Srinivas and S. Girish Kumar	Journal of Environmental Chemical Engineering	23	Y	Y	Q1
15	Glucose oxidation on monoclinic Co ₂ V ₂ O ₇ nanorods: Intuitions on cell potential reduction in hybrid electrolyzer	S. Ashoka, M. Sushmitha, M. Shirisha, H. M. Akshaya, K. Yogesh and S. Girish Kumar	Materials Science in Semiconductor Processing	184	Y	Y	Q1
16	Fuel assisted crystal structure tailoring of manganese oxides and their surface reactivity towards oxygen evolution reaction	P. Sagar, S. Ashoka, N. Srinivasa, K. Yogesh and S. Girish Kumar	Journal of Materials Science	59	Y	Y	Q1
17	Recent developments in green synthesis of hydroxyapatite nanocomposites: relevance to biomedical and environmental applications	Monika Prakash, Hari Krishna Rajan, M. N. Chandrababha, Sakshi Shetty, Tanushka Mukherjee and S. Girish Kumar	Green Chemistry Reviews and Letters	17	Y	Y	Q1

18	Insights from ethylene glycol oxidation toward reduction in the overpotential using sonochemically derived orthorhombic CoV ₂ O ₆ .2H ₂ O sheetlike structures	S. Ashoka, H. S. Navya, S. T. Meghana, K. Yogesh and S. Girish Kumar	Energy Fuels	38	Y	Y	Q1
19	Targeting the G-quadruplex structure in the hTERT promoter for telomerase activity: In silico screening of phytocompounds and long timescale replica exchange molecular dynamics simulations.	Akshay Uttarkar, Swarna M Patra and Vidya Niranjana	Molecular Simulation	50	Y	Y	Q3
20	Improved photocatalytic activity triggered by UV light, as well as electrochemical sensing characteristics of MgO nanoparticles	SC Asha, SG Divakara, B Mahesh, CR Ravikumar and HC Ananda Murthy	International Journal of Environmental Analytical Chemistry	-	Y	Y	Q2
21	Naked eye detection of anions: Dihydrazone receptor-based visual sensing	Visnummurthy K A, Raviraj Kusanur, and Kendaganna Swamy S	Journal of Indian Chemical Society	101	Y	Y	Q2
22	Synthesis, evaluation of antioxidant and antidiabetic potential of 3-ethoxy carbonyl coumarin-8-propionamides.	Dayanand N. Patagar, Raviraj Kusanur, Sheetal R. Batakurki, Maya Pai M, Vishnumurthy K. A, Swarna M. Patra and Aejaz A. Khan	Journal of the Indian Chemical Society	101	Y	Y	Q2
23	Experimental and theoretical investigation on vibrational, electronic, and docking characteristics of 1-(3-nitro-phenyl)-5-phenyl-penta-2,4-dien-1-one (1NP5PP)	Shivaraj B Radder, B Siddlingeshwar, Raviraj Kusanur and S Christopher Jeyaseelan	Canadian Journal of Physics	102	Y	Y	Q3

24	Investigating the Molecular Interactions of Quinoline Derivatives for Antibacterial Activity Against <i>Bacillus subtilis</i> : Computational Biology and In Vitro Study Interpretations	Anagha S Setlur, Chandrashekar Karunakaran, V. Anusha, Aditya A Shendre, Akshay Uttarkar, Vidya Niranjana, H. G. Ashok Kumar and Raviraj Kusanur	Molecular Biotechnology	66	Y	Y	Q2
25	Carbon fiber-reinforced, activated carbon-embedded copper oxide nanoparticles/epoxy hybrid composites for EMI shielding in aircraft applications	K. S. Anu, K. A. Vishnumurthy, A. Mahesh and K. Natarajan	Polymer Bulletin	81	Y	Y	Q2
26	Unveiling the synergistic effect of zinc oxide and carbon black nanoparticles on the dielectric properties of vulcanized natural rubber	A. Anand, Bote Vaishali Raosaheb, M. V. Hemantha Reddy, M.P. Sham Aan, K. Ekwip oo, R.S. Praveen Kuma r, A.V. Vijayasankar, C.J. Binish and Jobish Johns	Next Nanotechnology	6	Y	Y	-

2023 Publications

Sl. No.	Title of the paper	Authors	Journal	Volume	S I	WoS	Quartile IF
1	Optimization of Ascorbic Acid in the Synthesis of Cobalt Oxide for Enhanced Electrocatalytic Activity toward the Oxygen Evolution Reaction	Maurya Gyanprakash, Chandresh Kumar Rastogi, Karthik Raitani, Manu Prakash Maurya, Vivek Choudhary, Romil Chaudhary, and Manjunatha C	Energy Fuels	37	Yes	Yes	Q1

2	Design and development of conjugated polymer ferrite composite for selective recognition of NO ₂ vapors	H S Rashmi, K A Vishnumurthy, K H Girish and Kusanur Raviraj	Journal of Molecular Structure	1271	Yes	Yes	Q2
3	Naked Eye Detection of Fluoride Ions using Simple Dihydroxy Chalcone Sensor	Vishnumurthy K.A., Girish K.H. and Kendaganna Swamy S.	RVJSTEAM	4	No	No	-
4	Techniques for Strengthening 21st Century Learners' Critical Thinking Skills	Prapulla S B, Swarna M Patra, Subramanya K N and Uma B V	Journal of Engineering Education Transformations	36	Yes	Yes	Q4
5	Synthesis of Silver Nanoparticles from <i>Oroxylum indicum</i>	K. A. Madhushree, Poornima, R. Mahesh, Raviraj Kusanur and H. G. Ashok Kumar	Nanosistemi, Nanomateriali, Nanotehnologi	21	Yes	Yes	Q4
6	Influence of 2-mercapto Benzimidazole Derivative and its Copper (II) Complexes on the Growth Activity of <i>Oncidium Gower Ramsey</i>	Mahesh R and Ashok Kumar H G	RVJSTEAM	4	No	No	-
7	Coumarin derivative as a potent drug candidate against triple negative breast cancer targeting the frizzled receptor of wingless related integration site signaling pathway	Akshay Uttarkar, Alice Preethi Kishore, Sudhanva M. Srinivas, Shobith Rangappa, Raviraj Kusanur and Vidya Niranjana	Journal of Biomolecular Structure and Dynamics	41	Yes	Yes	Q2
8	Synthesis, antioxidant and anti-diabetic potential of novel benzimidazole substituted coumarin 3-carboxamides	Dayanand N. Patagar, Sheetal R. Batakurki, Raviraj Kusanur, Swarna M. Patra, S. Saravanakumar and Manjunath Ghate	Journal of Molecular Structure	1274	Yes	Yes	Q2

9	Adsorptive removal of Cr (VI) using mesoporous iron aluminum oxyhydroxide polyvinyl alcohol self supporting film: Kinetics, optimization studies and mechanism	Binish Chirathadathil John, Vijayasankar Aloor Viswambaram, , Soorya Somarajan Raj and Sham Aan Mankunipoyil	Materials Today Communications	34	Yes	Yes	Q2
10	Two-step synthesis of α -NiCu(OH) ₂ CO ₃ /Na ₃ NiCuCO ₃ PO ₄ : a battery-type electrode for pseudocapacitor applications	Nishchith B. S. Yogesh Kalegowda, Ashoka S, Ganesan Sriram, Mahaveer D. Kurkuri and Manjunatha Channegowda	New Journal of Chemistry	47	Yes	Yes	Q2
11	Perspective– Supercapacitor Powered Flexible Wearable Strain Sensors	C. Manjunatha, K. P. Shwetha, Y. Athreya, G. Kumar and M. K. Sudha Kamath	ECS Sensors Plus	2	Yes	No	-
12	Development of a Non-Enzymatic Vitamin-C Electrochemical Sensor Based on rGO/Ce ₂ (SO ₄) ₃ Hierarchical Nanocomposite	Anil Subash S Manjunatha C, Sudeep M, Chandresh Kumar Rastogi, Vishal Chaudhary, Girish Kumar S and Praveen Sekhar	Journal of The Electrochemical Society	170	Yes	Yes	Q1
13	Removal of pollutants from wastewater using alumina based nanomaterials: A review	Ramakrishna Mahesh, Khushi Vora, Madhu Hanumanthaiah, Anuradha Shroff, Pavan Kulkarni, Sridharan Makuteswaran, Suresh Ramdas, Hemanth Lakshmipura Ramachandrai, and Anjanapura Venkatarmanaiiah Raghu	Korean Journal of Chemical Engineering	40	Yes	Yes	Q2
14	Reduction of Chromium in Waste Water From Hard Chrome Plating Processes: A Review	Basavaraja, R.J, Rahul, O., Ranganatha, M., Suhas, K.S. and Vishnumurthy, K.A	Asian Journal of Water, Environment and Pollution	20	Yes	Yes	Q4

15	Green synthesis of Palladium magnetic nanoparticles decorated on carbon nanospheres using Chenopodium and their application as heterogenous catalyst in the Suzuki-Miyaura coupling reaction	Maya Pai, Eliza Ahmed, Sheetal Batakurki, S Girish Kumar and Raviraj Kusanur	Applied Surface Science Advances	16	Yes	Yes	Q1
16	Carbon nanotubes and graphene-based materials for adsorptive removal of metal ions - A review on surface functionalization and related adsorption mechanism	R. Hari Krishna, M.N. Chandraprabha, K Samrat, T P Krishna Murthy, C Manjunatha and S. Girish Kumar	Applied Surface Science Advances	16	Yes	Yes	Q1
17	Carbonaceous MnFe ₂ O ₄ nano-adsorbent: Synthesis, characterisation and investigations on chromium (VI) ions removal efficiency from aqueous solution	Rajani M R, Ravishankar, Maya Naik K, Srinidhi Raghavan M, Vidya C, Girish Kumar S and Manjunatha C	Applied Surface Science Advances	16	Yes	Yes	Q1
18	Rapid Electrochemical Investigation of Gemfibrozil Using NiO NPs/Multiwalled Carbon Nanotube Modified Carbon Paste Electrode: Analysis of Human Urine Sample and Antimicrobial Activity	Siddegowda Kathrikenahalli Somashekarappa, Mahesh Basavaraju, Chamaraja Nelligere Arakeshwaraiyah, Roopa Kotthathi Papanna,[b] Kumara Swamy Ningappa, Divakara Soorly Gopala and Jayarame Gowda	Chemistry Select	8	Yes	Yes	Q3
19	Development of NiCoO ₂ Nanoparticles based Electrochemical Sensor with Extremely Low Detection for Hazardous 4-Nitrophenol	Shubha MB, Manjunatha C, Sudeep M, Chandruvasan S, Sumira Malik and Praveen Sekhar	Journal of The Electrochemical Society	170	Yes	Yes	Q1

20	Trends in Graphene Based E-Skin and Artificial Intelligence for Biomedical Applications–A Review	Sudeep Mudhulu, Manjunatha Channegowda, Sudarshan Balaji, Ajit Khosla, and Praveen Sekhar	IEEE Sensors Journal	23	Yes	Yes	Q1
21	Probing the influence of mixed alkaline electrolytes towards the fabrication of melamine-derived porous Co ₃ O ₄ -based supercapacitor	V.M. Ashwini Chavan C. Manjunatha, K.P. Shwetha G. Shireesha, S. Girish Kumar, M.K. Sudha Kamath, Sumira Malik and Ajit Khosla	Materials Chemistry and Physics	308	Yes	Yes	Q1
22	Review and Perspective on Rational Design and Interface Engineering of g-C ₃ N ₄ /ZnO: From Type-II to Step Scheme Heterojunctions for Photocatalytic Applications	S. Girish Kumar, R. Kavitha and C. Manjunatha	Energy Fuels	37	Yes	Yes	Q1
23	Fabrication of super high energy density asymmetric supercapacitor prototype device employing NiCo ₂ S ₄ @f-MWCNT nanocomposite	K.P. Shwetha, C. Manjunatha, M.K. Sudha Kamath, Chandresh Kumar Rastogi, Vivek Chaudhary, Gyanprakash Maurya, Yash Athreya, B.W. Shivaraj and Ajit Khosla	Journal of Energy Storage	72	Yes	Yes	Q1
24	8-benzimidazolyl coumarin-3-oxadiazoles - Synthesis, docking studies and Anti proliferative evaluation against breast cancer	Dayanand N Patagar, Raviraj Kusanur, Sheetal R Batakurki, Swarna M Patra, Ninganaagouda R Patil and Jagadish H Patil	Journal of Molecular Structure	1294	Yes	Yes	Q1
25	Highly sensitive acetone sensor based on conjugated polymer nanocomposites	Rashmi Hulimane Shivaswamy Vishnumurthy Kanive Bagilu Ananthapadman and Raviraj Kusanur	Polymers Advanced Technologies	34	Yes	Yes	Q2

26	Scalable Synthesis of Ni ₃ B ₂ O ₆ Nanograins and Fabrication of a Coin Cell Supercapacitor for Powering Temperature Sensor Devices	Beena Somanath, Manjunatha C, Yash Athreya, Shwetha KP, Nelsa Abraham, Suresh Babu Viswanathan, Sudha Kamath MK, S. Girish Kumar, and Ajit Khosla	ACS Applied Electronic Materials	5	Yes	Yes	Q1
27	Studies on Electrochemical Performance of Flower-Like La ₄ Mo ₇ O ₂₇ Nanostructures towards Oxygen Evolution Reaction	Baqar Ali Quraishi, C. Manjunatha S. Ashoka, B. W. Shivaraj, B. S. Nishchith, K. Yogesh, and R. Hari Krishna	ECS Advances	2	Yes	No	-
28	Fabrication and comparison of mechanical and EMI shielding properties of various fibre reinforced multi-layered epoxy composites	Anu K S, K.A. Vishnumurthy, Mahesh A, Suresh B S and Natarajan K	Journal of the Indian Chemical Society	99	Yes	Yes	Q3
29	Investigating the Molecular Interactions of Quinoline Derivatives for Antibacterial Activity Against Bacillus subtilis: Computational Biology and In Vitro Study Interpretations	Anagha S Setlur, Chandrashekar Karunakaran V. Anusha, Aditya A Shendre, Akshay Uttarkar, Vidya Niranjana, H. G. Ashok Kumar and Raviraj Kusanur	Molecular Biotechnology	-	Yes	Yes	Q3
30	NiFe ₂ O ₄ /G-C ₃ N ₄ modified pencil graphite electrode for mercury (II) detection	Yogeeshwari R. T, Hari Krishna R, Prashanth S. Adarakatti, S. Girish Kumar and Ashoka Siddaramanna	Applied Surface Science Advances	18	Yes	Yes	Q1
31	Development of NiS@f-MWCNT nanocomposite-based high-performance supercapacitor coin cell prototype device	K.P. Shwetha, M.K. Sudha Kamath, Yash N. Athreya, Chandresh Kumar Rastogi D, Kathyayini Nagaraju, Ajit Khosla and C.	Journal of Energy Storage	75	Yes	Yes	Q1

		Manjunatha					
32	Computational molecular perspectives on novel carbazole derivative as an anti-cancer molecule against CDK1 of breast and colorectal cancers via gene expression studies, novel two-way docking strategies, molecular mechanics and dynamics	Eashita Suvarna, Anagha S Setlur, Chandrashekar K, Sridharan M and Vidya Niranjana	Computational Biology and Chemistry	108	Yes	Yes	Q2
33	Facile synthesis of aluminum oxyhydroxide-PVA films and its adsorptive evaluation for the removal of methylene blue dye from water: kinetics, optimization studies and mechanism	C. J. Binish, Maria John Athira, Sony Chundattu, Sham Aan Mankuni Poyil and A.V. Vijayasankar	Journal of Polymer Research	30	Yes	Yes	Q2
34	Design and synthesis of polyindole - ZnO nano composite for NLO applications	K.A. Vishnumurthy, S. Pramodini, P. Poornesh, K.K. Nagaraja and T.N. Ahipa	Journal of the Indian Chemical Society	100	Yes	Yes	Q3
35	Automated Flame-Assisted Spray Pyrolysis Unit: A Home Made Solution for Thin Film Deposition	Ravishankar Holla, Divakara S G, Mukul, Tanuja M L, Virupakshi	RVJSTEAM	4	No	No	-
36	Effect of fuel concentration on supercapacitor cycling of Co ₃ O ₄ fabricated via solution combustion method	Dheeraj Kumar Yadav, Manu Prakash Maurya, Karthik Raitani, Chandresh Kumar Rastogi, Maurya Gyanprakash, R. Hari Krishna and C. Manjunatha	Materials Today: Proceedings	79	Yes	Yes	-
37	Fuel dependent combustion synthesis and electrochemical characteristics of nickel cobalt oxide nanoparticles	Neeraj Yadav, Chandresh Kumar Rastogi, Gyanprakash Maurya and C. Manjunatha	Materials Today: Proceedings	-	Yes	Yes	-

38	Synthesis and electrochemical characterization of mesoporous graphitic carbon nitride for super capacitor applications	K.P. Shwetha, S.G. Divakara, M.K. Sudha Kamath and Tribrikram Gupta	Materials Today: Proceedings	76	Yes	Yes	-
39	Linear S-V Plot Analysis in Steady State and Transient State to Explore Fluorescence Quenching of Coumarin Derivative by Aniline	P. Bhavya, Raveendra Melavanki, V. Revathi and Raviraj Kusanur	Journal of Physics: Conference Series	2426	Yes	No	-

2022 Publications

Sl. No.	Title of the paper	Authors	Journal	Volume	S I	WoS	Quartile IF
1	Synthesis and characterization of chitosan-hydroxyapatite composite for bone graft applications	Jagadish H.Patil, K.A.Vishnumurthy, Raviraj Kusanur, Raveendra Melavanki	Indian Journal of Chemical Society https://doi.org/10.1016/j.jics.2021.10.0308	99	Y	Y	Q4
2	Coumarin derivative as a potent drug candidate against triple negative breast cancer targeting the frizzled receptor of wingless-related integration site signaling pathway	Akshay Uttarkar, Alice Preethi Kishore, Sudhanva M. Srinivas, Shobith Rangappa, Raviraj Kusanur, Vidya Niranjana	Journal of Biomolecular Structure and Dynamics.	https://doi.org/10.1080/07391102.2021.202253	Y	Y	Q2

3	Non-enzymatic Catalytic Oxidation of Glucose and Dual Mode Sensing by Fluorescence/Electrochemical Methods Using MO- GO Composites (MO = ZnO, CuO, NiO and Co ₃ O ₄).	Hari Krishna, R., Chandrababha, M.N., Mamatha, G.M., M Mallappa, Deepa Kundagol, C Manjunatha	Topics in Catalysis.	https://doi.org/10.1007/s11244-022-01588-4	Y	Y	Q1
4	Design and Analysis of a Biosensor for the Detection of Estrogen Hormonal Levels.	Kumar, J.V., Shylashree, N., Gojanur, S.G., Vishnu Teja Raju, Vinay Varma Bhupathiraju & Manjunatha Channegowda	BioNanoSci.	https://doi.org/10.1007/s12668-022-00951-9	Y	Y	Q3
5	Synthesis, spectroscopic (FT-IR, FT-Raman, NMR), reactivity (ELF, LOL and Fukui) and docking studies on 3-(2-hydroxy-3-methoxy phenyl)-1-(3-nitrophenyl)-propene by experimental and DFT methods	Shivaraj B. R Melavanki, S M. Hiremath, Raviraj Kusanur	Journal of Molecular Structure. https://doi.org/10.1016/j.molstruc.2022.132443	1255	Y	Y	Q2
6	Investigations on the effect of NH ₄ Cl flux on the structural and optical properties of CdSiO ₃ :Eu ³⁺ + nanophosphor	Shivakumara J, Hari Krishna R., Manjunatha C, Ashoka Siddaramanna, B Manmadha Rao, Ajit Khosla &	Materials Research Innovations.	10.1080/14328917.2022.2044172	Y	Y	Q3
	Coumarin derivative as a potent drug candidate against triple negative breast cancer targeting the frizzled receptor of wingless related integration site signaling pathway	Akshay Uttarkar, Alice Preethi Kishore, Sudhanva M. Srinivas, Shobith Rangappa, Raviraj Kusanur and Vidya Niranjana	Journal of Biomolecular Structure and Dynamics	41	Yes	Yes	Q2

	Synthesis, antioxidant and anti-diabetic potential of novel benzimidazole substituted coumarin 3-carboxamides	Dayanand N. Patagar, Sheetal R. Batakurki, Raviraj Kusanur, Swarna M. Patra, S. Saravanakumar and Manjunath Ghate Chikkahanumanthara yappa	Journal of Molecular Structure	1274	Yes	Yes	Q2
7	Enhancement of Heat Transfer in a Concentric Tube Counter Flow Heat Exchanger using CuO Nanofluids	I. Nigam, G. Anjaneya, C. Manjunatha, M.R. Srinivas	Int. J. Vehicle Structures & Systems DOI:10.4273/ijvss.14.1.07	14	Y	Y	Q3
8	Wetland Inventory, Assessment and Monitoring	Nalina Narasimhaswamy, Nalina Dasappa, K.C Rohith, B.E. Ranga Swamy, Divakara S G, Sumathra Manokaran, A. H. Manjunatha Reddy	PARIPEX - INDIAN JOURNAL OF RESEARCH.	11	N	N	
9	Room temperature ammonia sensing by polyaminophenol-cobalt oxide nano composite sensor	Rashmi S H, Raviraj Kusanur, Vishnumurthy K A	RVJSTEAM (ISSN 2582-8819)	3	N	N	
10	Effective Teaching for Millennial Learners	Swarna M Patra, Karthik Shastry	Journal of Engineering Education Transformation	35			Q3
11	Bioinformatics study of Pioglitazone analogues as potential anti-diabetic drugs	Priyaranjini Rao, Ashwini S, Ghazala Masood, Raviraj Kusanur, VidyaNiranjan, Swarna M Patra	Russian Journal of Bioorganic Chemistry. https://doi.org/10.1134/S106816202205017X	EARLY VIEW ONLINE	Y	Y	Q4

12	Comprehensive Insights into Synthesis Structural Features, and Thermoelectric Properties of High-Performance Inorganic Chalcogenide Nanomaterials for Conversion of Waste Heat to Electricity	Manjunatha Channegowda, Rafiq Mulla, Yashaswini Nagaraj, Suraj Lokesh, Sachith Nayak, Sudeep Mudhulu, Chandresh Kumar Rastogi, Charles William Dunnill, Hari Krishna Rajan and Ajit Khosla	ACS Applied Energy Materials https://doi.org/10.1021/acsaem.2c01353	5	Y	Y	Q1
13	Morphology-controlled synthesis and structural features of ultrafine nanoparticles of Co ₃ O ₄ : An active electrode material for asupercapacitor	K. P. Shwetha, C. Manjunatha, M.K. Sudha Kamath, Vinaykumar, M. G. R. Radhika, A. Khosla	APPLIED RESEARCH. https://doi.org/10.1002/appl.202200031	EARLY VIEW ONLINE	N	N	Q4
14	Study the effect of Zn ²⁺ -co-doping on the structural and optical properties of CdSiO ₃ :Eu ³⁺ phosphor	J. Shivakumar, C. Manjunatha, R. Hari Krishna, S. Ashoka, G. Gousiya Bhanu, B. Manmadha Rao, B. Venkateswarlu, Chikkahanumantharayappa, Ajit Khosla	Applied Physics A. https://doi.org/10.1007/s00339-022-05773-w	128	Y	Y	Q2
15	Investigation of the Fluorescence Turn-off Mechanism, Genome, Molecular Docking In Silico and In Vitro Studies of 2-Acetyl-3H-benzo[f]chromen-3-one	V V. Koppal, R M Melavanki, Raviraj Kusanur, Zabin K. Bagewadi, Deepak A. Yaraguppi, Sanjay H. Deshpande, and Ninganaagouda R. Patil	ACS Omega, https://doi.org/10.1021/acsomega.2c02424	27	Y	Y	Q1

16	Low-trace monitoring of airborne sulphur dioxide employing SnO ₂ -CNT hybrids-based energy- efficient chemiresistor	Vishal Chaudhary, Manjunatha C, Sajid Ali Ansari, R Hari Krishna, Ajeet Kaushik, Virat Khanna, Zhenhuan Zhao, Hidemitsu Furukawa, Ajit Khosla	Journal of Materials Research and Technology https://doi.org/10.1016/j.jmrt.2022.07.159	20	Y	Y	Q1
17	A multifunctional nanostructured molybdenum disulphide (MoS ₂): an overview on synthesis, structural features, and potential applications	C Vidya, C Manjunatha, A Pranjali, M I Faraaz & K Prashantha	Materials Research Innovations. https://doi.org/10.1080/14328917.2022.2109887		Y	Y	Q3
18	Fabrication and comparison of mechanical and EMI shielding properties of various fibre reinforced multi-layered epoxy composites	KS Anu, KA Vishnumurthy, A Mahesh, BS Suresh, K Natarajan	Journal of the Indian Chemical Society, https://doi.org/10.1016/j.jics.2022.100720	99	Y	Y	Q 4
19	Ionic Liquids, an Asset in Extraction Techniques-a Comprehensive Review	Yashesh Vijay Rajyaguru, Jagadish H Patil, Raviraj Kusanu	Reviews and Advances in Chemistry https://doi.org/10.1134/S2634827622020040	12	Y	Y	
20	Herbal Drugs in Cancer Treatment	Gagana Velur, Raviraj Kusanur	Russian Journal of Bioorganic Chemistry, https://doi.org/10.1134/S1068162022060267		Y	Y	Q4
21	Recent advances in pomegranate peel extract mediated nanoparticles for clinical and biomedical applications	Prakash Monika, M. N. Chandrababha, R. Hari Krishna, Maanya Vittal, C Likhitha, N Pooja, Vishal Chaudhary & Manjunatha C	Biotechnology and Genetic Engineering Reviews. https://doi.org/10.1080/02648725.2022.2122299		Y	Y	Q1

22	The role of magnetic nano CoFe ₂ O ₄ and conductive MWCNT/graphene in LDPE-based composites for electromagnetic interference shielding in X-band	M. Praveen, G.S. Karthikeya, R. Hari Krishna, G.M. Mamatha, C. Manjunatha, Ajit Khosla, B.M. Nagabhushana,	Diamond and Related Materials.	https://doi.org/10.1016/j.diamond.2022.10950	Y	Y	Q1
23	Effective Attenuation of Electromagnetic Waves by Synergetic Effect of α -Fe ₂ O ₃ and MWCNT/Graphene in LDPE-Based Composites for EMI Applications	M. Praveen, H. K. Rajan, M. Mamatha Gowdaru, S. K. Gulur, C. Manjunatha, S. Girish Kumar and B. M. Nagabhushana	Materials	15	Y	Y	Q2

2021 Publications

Sl No	Title of the paper	Authors	Journal	Volume	Quartile IF
1	Synthesis, Structural Characterizations, and Quantum Chemical Investigations on 1-(3-Methoxy-phenyl)-3-naphthalen-1-yl-propenone	PG Patil, R Melavanki, SB Radder, Raviraj Kusanur, CS Hiremath, NR Patil	ACS Omega	40	Q1
2	Quantum chemical computations, fluorescence spectral features and molecular docking of two biologically active heterocyclic class of compounds	Raviraj Kusanur, Swarna M Patra, Raveendra Melavanki, Kalpana Sharma	Journal of Photochemistry and Photobiology A: Chemistry	404	Q2

3	Synthesis, spectroscopic (FT IR, FT-Raman, NMR & UV Vis), reactive (ELF, LOL, Fukui), drug likeness and molecular docking insights on novel 4-[3-(3-methoxy-phenyl)-3-oxo-propenyl]-benzonitrile by experimental and computational methods	S B Radder, Raveendra Melavanki, Raviraj Kusanur, S M Hiremath, Seema S Khemalapure, S Christopher Jeyaseelan	Heliyon	7	Q1
4	Understanding the binding interaction between phenyl boronic acid PI and sugars: determination of association and dissociation constants using S-V plots, steady-state spectroscopic methods and molecular docking	Shridhar V. Pattar Raveendra Melavanki, Kalpana Sharma, Basappa Chanabasapa Yallur, Raviraj Kusanur, Kishor Kumar Sadasivuni, Diksha Singh, Smita Mane, Kariyappa Katagi	Luminescence	36	Q2
5	Analysis of Fluorescence Quenching of Coumarin Derivative under Steady State and Transient State Methods	V V Koppal, R M Melavanki, Raviraj Kusanur, N R Patil	Journal of Fluorescence. (Springer Nature Journal)	31	Q2
6	Spiro Benzodiazepine Substituted Fluorocoumarins as Potent Anti-Anxiety Agents	Dayanand Patagar, Akshay Uttarkar, Swarna M Patra, Jagadish H Patil, Raviraj Kusanur, Vidya Niranjana, HG Ashok Kumar	Russian Journal of Bioorganic Chemistry	47	Q3
7	Enhancement of Photoluminescence of CdSiO ₃ :Eu ³⁺ phosphor using Na ⁺ and K ⁺ as Charge compensators	J Shivakumara, C Manjunatha, S Ashoka, R Hari Krishna, Manickam Selvaraj, Mika Sillanpää	Chemical Physics	551	Q1

8	Development of non-stoichiometric hybrid Co ₃ S ₄ /Co _{0.85} Se nanocomposites for an evaluation of synergistic effect on OER performance	C Manjunatha, S Lakshmikanth, L Shreenivasa, N Srinivasa, S Ashoka, BW Shivraj, Manickam Selvaraj, Ujwal Shreenag Meda, G Satheesh Babu, Bruno G. Pollet	Surfaces and Interfaces	25	Q1
9	Mesoporous LiTiPO ₄ F nanoparticles: A new stable and high-performance bifunctional electrocatalyst for electrochemical water splitting	N. Srinivasa, P. Rangaswamy, R.T. Yogeeshwari, C. Manjunatha, S. Ashoka	Surfaces and Interfaces	25	Q1
10	Design and Development of Smart and Safe Helmet for Inhibiting COVID-19 Virus Infection: A Simple Idea for Solving the Big Crisis	C Manjunatha	Coronaviruses	2	
11	Solvent-free benzylic oxidation of aromatics over Cu(ii)- containing propylsalicylaldehyde anchored on the surface of mesoporous silica catalysts	Selvaraj Manickam, Assiri Mohammed A, Rokhum Samuel Lalthazuala, C Manjunatha, Appaturi Jimmy Nelson, Murugesan Sepperumal, Bhaumik Asim, Subrahmanyam CH	Dalton Transactions	50	Q1
12	New insight into the synthesis, morphological architectures and biomedical applications of elemental selenium nanostructures	C Manjunatha, P Preran Rao, Parth Bhardwaj, H Raju, D Ranganath	Biomedical Materials	16	Q2

13	Facile synthesis of Ni/NiO nanocomposites: the effect of Ni content in NiO upon the oxygen evolution reaction within alkaline media	Srinivasa N, Jack P. Hughes, Prashanth S. Adarakatti, Manjunatha C., Samuel J. Rowley-Neale, Ashoka S. and Craig E. Bank	RSC Advances	11	Q1
14	Mechanistic insights into defect chemistry and tailored photoluminescence and photocatalytic properties of aliovalent cation substituted Zn _{0.94} M _{0.06} -xLi _x O (M: Fe ³⁺ , Al ³⁺ , Cr ³⁺) nanoparticles	Ansari Sajid Ali, C Manjunatha, Parveen Nazish, Shivaraj B W, Hari Krishna R	Dalton Transactions	50	Q1
15	Functionalized Photocatalytic Nanocoatings for Inactivating COVID-19 Virus Residing on Surfaces of Public and Healthcare Facilities	C. Manjunatha	Coronaviruses	2	
16	Development of Nano Copper Sulfide (CuS) Structures for Electrochemical Detection of Vitamin C	Ujwal S. M. Sudeep M, Manjunatha C, Sham Aan M. P, Ashoka S, Suresh R	J Nanostruct	11	Q3
17	Design and development of electrochemical potentiostat circuit for the sensing of toxic cadmium and lead ions in soil	Rajani Katiyar, K R Usha Rani, TS Sindhu, HD Sneha Jain, Vidhyashree V, S Ashoka and Manjunatha Channegowda	Eng. Res. Express	3	Q3
18	Novel bismuth oxy hydride chromate (HBi ₃ (CrO ₄)O ₃) nano-sheets/rods synthesized by one-step one-pot wet chemical method	Channegowda Manjunatha	IOP SciNotes	2	

19	Poly (ionic liquid)-Based Charge and Size Selective Loose Nanofiltration Membrane for Molecular Separation	Nagaraj S Naik, Mahesh Padaki, KA Vishnumurthy, Arun M Isloor, KK Nagaraja,	Chemical Engineering Journal	418	Q1
20	A comprehensive review on advanced battery technologies for E-mobility	Vishnumurthy K A, Girish K H	Journal of Indian Chemical Society	98	Q4
21	Synthesis, photophysical, electrochemical and computational study of indolocarbazole-based donor-acceptor type conjugated polymers	Vishnumurthy K A, Girish K H	Chemical Papers	75	Q2
22	Effective Teaching for Millennial Learners	Dr Swarna Mayee Patra, Dr.karthik Shastry	Journal of Engineering Education Transformations	35	Q3

2020 Publications

Sl No	Title of the paper	Authors	Journal	Volume	Quartile IF
1	Rational design and synthesis of hetero-nanostructured electrospun PU@ PANI@FeS ₂ : A surface tailored hybrid catalyst for H ₂ production via electrochemical splitting of water	C. Manjunatha, Rahul S Patil, M. Sudeep, N. Srinivasad, R., Chandra Kumar, M.P. Sham Aan, S. Ashokad	Surfaces and Interfaces	18	Q1

2	Engineering the $M_xZn_{1-x}O$ ($M = Al^{3+}, Fe^{3+}, Cr^{3+}$), nanoparticles for visible light assisted catalytic mineralization of methylene blue dye using Taguchi design	C. Manjunatha, B. Abhishek, B. W. Shivaraj, S. Ashoka, M. Shashank, G. Nagaraj	Chemical Papers (Springer)	74	Q1
3	Photo-assisted mineralisation of titan yellow dye using ZnO nanorods synthesised via environmental benign route	C. Vidya C. Manjunatha, M. Sudeep S. Ashoka, M. A. Lourdu Antony Raj	SN Applied Sciences	2	Q2
4	Preferential solvation and bimolecular quenching reactions of boronic acid dye at very low quencher concentrations studied by fluorescence spectrum in toluene and butanol binary mixtures	P Bhavya, Raviraj Kusanur Raveendra Melavanki, J Thipperudrappa	Indian Journal of Pure and Applied Physics	58	Q2
5	Controlled synthesis of nickel sulfide polymorphs: studies on the effect of morphology and crystal structure on OER performance	C. Manjunatha, N. Srinivasa, S.K. Chaitra, M. Sudeep, R. Chandra Kumar, S. Ashoka	Materials Today Energy	16	Q1
6	Screening of druggable conformers of α -synuclein using molecular dynamics simulation	Aroon Gracy, Airy Sanjeev, Swarna Mayee Patra, Venkata Satish Kumar Mattaparthi	Biointerface Research in Applied Chemistry	10	Q3
7	Studies on anion-induced structural transformations of iron(III) (Hydr) oxide micro nanostructures and their oxygen evolution reaction performance	C.Manjunatha, N. Srinivasa, S Samriddhi, C Vidya, S Ashoka	Solid State Sciences	106	Q2
8	Hydrothermal synthesis of ZnO nanotubes for CO gas sensing	Vijayakumar, B.W. Shivaraja, C. Manjunatha, B. Abhishek, G. Nagaraju,	Sensors International	1	Q4

		P.K. Panda			
9	Examining the spectroscopic features and quantum chemical computations of a Quinoline derivative: Experimental and theoretical insights into the photophysical characteristics	Kalpna Sharma, Raveendra Melavankia, N R Patil, Raviraj Kusanur	Indian Journal of Pure and Applied Physics	58	Q2
10	Low band gap thienothiophene diketopyrrolopyrrole copolymers with V2O5 as hole transport layer for photovoltaic application	K.A. Vishnumurthy, Arul Varman Kesavan, S.K. Swathi, Praveen C. Ramamurthy	Optical Materials	109	Q2
11	Synthesis and Characterization of ZnO Nanoparticles and Their Natural Rubber Composites	A. Anand, L. Nussana, M. P. Sham Aan, K. Ekwipoo, S. G. Sangashetty & J. Jobish	Journal of Macromolecular Science, Part B Physics	59	
12	Abutilon indicum Mediated CuO Nanoparticles: Eco-Approach, Optimum Process of Congo Red Dye Degradation, and Mathematical Model for Multistage Operation	Devi Priya, G Elango, S M Roopan, S Shanavas, R Acevedo, M Golkonda, M Sridharan	Chemistry Select	28	Q2
13	One pot green synthesis of novel rGO@ZnO nanocomposite and fabrication of electrochemical sensor for ascorbic acid using screen-printed electrode	Manjunatha C., Chirag V., Shivaraj B.W., Srinivasa N., Ashoka S	J Nanostruct	10	Q3
14	Synthesis, physicochemical properties and computational study of donor-acceptor polymer for optical limiting application.	Vishnumurthy KA, K H Girish, A V Adhikari	Springer Nature Applied Sciences	2	Q2

15	Surface functionalized magnetic α -Fe ₂ O ₃ nanoparticles: Synthesis, characterization and Hg ²⁺ ion removal in water.	P.S. Subana, C. Manjunatha, B. Manmadha Rao, B. Venkateswarlu, G. Nagaraju, R. Suresh	Surfaces and Interfaces	21	Q1
16	Investigation of interaction between boronic acids and sugar: effect of structural change of sugars on binding affinity using steady state and time resolved fluorescence spectroscopy and molecular docking.	Raveendra Melavanki, Raviraj Kusanur, Deeksha Singh, N R Patil	Heliyon	6	Q1
17	Review article "Recent advances in environmentally benign hierarchical inorganic nano-adsorbents for the removal of poisonous metal ions in water: a review with mechanistic insight into toxicity and adsorption	Manjunatha C	Nano Scale Advances		Q1
18	Synthesis, characterization and plant growth activity of 2-substituted benzimidazole derivatives and its Co(II) complexes	R Mahesh, Ashok Kumar H G, S Satyanarayana	AIP Conference Proceedings	2274	
19	Binding Interaction Between Boronic Acid Derivatives with Monosaccharaides: Effect of Structural Change of Monosaccharaides Upon Binding Using S-V Plots	P. Bhavya, Raveendra Melavanki, Raviraj Kusanur, C. K. Narayanappa	Macromolecular Symposia	392	Q3

20	Optical Characterization of Chalcone-Doped PMMA Thin Films for Photonic Applications Using Spectroscopic Technique of Drop Casting Method	Kalpna Sharma, Raveendra Melavanki, Raviraj Kusanur, NR Patil	Macromolecular Symposia	392	Q3
21	Solvent Polarity and Environment Sensitive Behaviour of Coumarin Derivative	N R Patil Versha V Koppal, Raviraj Kusanur	Macromolecular Symposia	392	Q3

2019 Publications

SI No	Title of the paper	Authors	Journal	Volume	Quartile IF
1	Synthesis of Novel 4-Substituted Coumarins, Docking Studies, and DHODH Inhibitory Activity	Dayanand Patagar, Raviraj Kusanur, Nikum D Sitwala, Manjunath D Ghate, Shanmugasundar Saravanakumar, Sharanappa Nembenna, Piyush A Gediya	Journal of Heterocyclic Chemistry	56	Q2
2	Exploring the influence of silver nanoparticles on the mechanism of fluorescence quenching of coumarin dye using FRET	VV Koppal, PG Patil, Raveendra M Melavanki, Raviraj A Kusanur, Ushie Onumashi Afi, NR Patil	Journal of Molecular Liquids	292	Q1
3	Spectroscopic behavior, FMO, NLO and NBO analysis of two novel aryl boronic acid derivatives: Experimental and theoretical insights	Kalpna Sharma, Raveendra Melavanki, SS Patil, Raviraj Kusanur, NR Patil, Vikas M Shelar	Journal of Molecular Structure	1181	Q2

4	Exploring the spectral features and quantum chemical computations of a novel biologically active heterocyclic class of compound 2MEFPBA dye: Experimental and theoretical approach	P Bhavya, Raveendra Melavanki, Kalpana Sharma, Raviraj Kusanur, NR Patil, J Thipperudrappa	Chemical Data Collections	19	Q3
5	Solvent Effect on the Relative Quantum Yield and Preferential Solvation of Biologically Active Coumarin Derivative	Varsha V Koppal, PG Patil, Raveendra Melavanki, Raviraj Kusanur, NR Patil	Macromolecular Symposia	387	Q3
6	Optimization of parameters for maximizing photocatalytic behaviour of Zn _{1-x} Fe _x O nanoparticles for methyl orange degradation using Taguchi and Grey relational analysis Approach	M Jena, C Manjunatha, BW Shivaraj, G Nagaraju, S Ashoka, MP Sham Aan	Materials Today Chemistry	12	Q1
7	Study of structural features and antibacterial property of ZnO/CuO nanocomposites derived from solution combustion synthesis	GK Nagendra, BW Shivaraj, C Manjunatha, SA Ayesha Siddiqua, V Suchithra	IOP Conference Series: Materials Science and Engineering	577	
8	Reduction of nitro compounds carrying electron withdrawing groups : A convenient approach with metal catalyst	K.A. Vishnumurthy, A.V. Adhikari	Chemical Data Collections	20	Q3