



Department of Chemistry
Publication details A.Y 2022-23

S.No.	Name of the faculty	Title of the article	Name of the journal	DOI	Article/Book	Impact factor	h-index
1	Dr.P. Amaladass	Solution processed highly transparent nitrogen-doped carbon quantum dots/ZnO hybrid thin films: A study on structural and enhanced UV emission	Applied surface Science	https://doi.org/10.1016/j.apsusc.2022.155664	Article	6.7	219
		Design, Synthesis, Molecular Docking Study and Biological Evaluation of Novel -Carboline Derivatives of Latrepirdine (Dimebon) as Potent Anticancer Agents	Molecules	https://doi.org/10.3390/molecules28134965	Article	4.9	199

2	Dr. S. Sahoo	Factors affecting the growth formation of nanostructures and their impact on electrode materials: A systematic review	Materials Today Physics	https://doi.org/10.1016/j.mtphys.2022.100844	Article	10	68
		Animal- and Human-Inspired Nanostructures as Supercapacitor Electrode Materials: A Review	Nano-Micro Letter	https://doi.org/10.1007/s40820-022-00944-z	Article	26	116
		Microwave as a Tool for Synthesis of Carbon-Based Electrodes for Energy Storage	ACS Applied Materials and Interfaces	10.1021/acsami.1c15934	Article	8.3	311
		Theoretical and Experimental Investigation of In Situ Grown MOF-Derived Oriented Zr-Mn-oxide and Solution-Free CuO as Hybrid Electrode for Supercapacitors	Advanced functional Materials	10.1002/adfm.202210002	Article	18.5	402
3	Dr. M. Balaji	Metal–Organic Frameworks-Based Cathode Materials for Energy Storage Applications: A Review	Energy Technology	10.1002/ente.202201200	Article	3.8	70

	Dr. M. Saraj	A simple synthesis of surfactant-free polycrystalline CuO nanoparticles supported on carbon nanofibers for regioselective hydroboration of alkynes†	RSC Advances	10.1039/d2ra04668g	Article	3.9	210
4	Dr. B. Renjith	A highly selective Schiff base fluorescent sensor for Zn ²⁺ , Cd ²⁺ and Hg ²⁺ based on 2,4-dinitrophenylhydrazine derivative	Inorganic Chemistry Communications	https://www.science-direct.com/science/article/abs/pii/S1387700323005713	Article	3.8	78
5	Dr.Tulasii Barik	A polypyrrole derived nitrogen doped porous carbon support for an atomically dispersed Mn electrocatalyst for the oxygen reduction reaction	Sustainable Energy & Fuels	https://doi.org/10.1039/D3SE00495C	Article	5.6	62
	C.V. Raju	Guar Gum Supported ZIF-8 as an Effective Catalyst for Electrochemical Sensing of Gallic Acid in Liquid Food Samples"	Journal of the electrochemical Society	10.1149/1945-7111/acd357	Article	4.2	267
	Dr, Balaji Ramanajum	Fluoroscent benzofurazan derivatived triazole linked mono and di glucopyranosyl conjugates	Carbohydrate research	https://doi.org/10.1016/j.carres.2022.108653	Article	2.4	149
7	Dr. Lipeeka Rout	Graphene oxide, it's surface functionalisation, preparation and properties of polymer-based composites: a review	COMPOSITE INTERFACE	10.1080/09276440.2023.2229594	Article	2.9	50

8	Dr. Rahul Pal	Electrochemical characterisation of catalytic property for oxygen reduction reaction on cobalt ferrite electrode	FERROELECTRICS	https://doi.org/10.1080/00150193.2022.2130789	Article	0.8	61
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