

Uttam Kumar Mandal

List of Publications by Year in descending order

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15
papers

357
citations

933447

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996975

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15
docs citations

15
times ranked

618
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of calcination and surface functionalization of nanoparticles on structural, magnetic and electrical properties of polyaniline Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ nanocomposites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 628, 127273.	4.7	6
2	Performance enhancement of commercial ultrafiltration polysulfone membrane via in situ polymerization of aniline using copper chloride as a catalyst. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 502-513.	3.2	1
3	Catalytic activity of surface-functionalized nanoscale nickel zinc multiferrites: potential vector for water purification. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 739-750.	3.2	3
4	Effect of Nanoparticles Concentration on Thermal, Magnetic and Electrical Properties of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ based Polyaniline Nanocomposites by In-Situ Polymerisation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 599, 124798.	4.7	14
5	Photocatalytic activity of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ @polyaniline decorated BiOCl for azo dye degradation under visible light – integrated role and degradation kinetics interpretation. <i>RSC Advances</i> , 2019, 9, 8977-8993.	3.6	43
6	Surface modification of polysulfone ultrafiltration membrane by in-situ ferric chloride based redox polymerization of aniline-surface characteristics and flux analyses. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 573-583.	2.7	16
7	Effect of Cation Distribution on Electro-Magnetic Properties of Ternary Nickel Zinc Nanoferrites. <i>Advanced Science, Engineering and Medicine</i> , 2019, 11, 708-719.	0.3	4
8	A magnetically recyclable photocatalyst with commendable dye degradation activity at ambient conditions. <i>Scientific Reports</i> , 2018, 8, 14700.	3.3	47
9	Highly efficient and visible light driven Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ @PANI modified BiOCl heterocomposite catalyst for water remediation. <i>Applied Catalysis B: Environmental</i> , 2017, 211, 305-322.	20.2	41
10	Photocatalytic activity of PANI/Fe ₀ doped BiOCl under visible light-degradation of Congo red dye. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 333, 105-116.	3.9	58
11	Tuneable thermoresponsive hybrid magnetic nanoparticles: preparation, characterization and drug release characteristics. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 1006-1016.	3.2	2
12	Electrically induced swelling and methylene blue release behaviour of poly (N-isopropylacrylamide-co-acrylamido-2-methylpropyl sulphonic acid) hydrogels. <i>Colloid and Polymer Science</i> , 2015, 293, 3533-3544.	2.1	18
13	Bimodal Co _{0.5} Zn _{0.5} Fe ₂ O ₄ /PANI nanocomposites: Synthesis, formation mechanism and magnetic properties. <i>Composites Science and Technology</i> , 2010, 70, 249-254.	7.8	27
14	Influence of Processing Methodology on Magnetic Behavior of Multicomponent Ferrite Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6272-6280.	3.1	54
15	Synthesis of 1-dimensional polyaniline nanofibers by reverse microemulsion. <i>Colloid and Polymer Science</i> , 2009, 287, 1107-1110.	2.1	23