Uttam Kumar Mandal

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/396530/publications.pdf

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15	357	933447	996975
papers	citations	10 h-index	15 g-index

15	15	15	618
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photocatalytic activity of PANI/Fe 0 doped BiOCl under visible light-degradation of Congo red dye. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 333, 105-116.	3.9	58
2	Influence of Processing Methodology on Magnetic Behavior of Multicomponent Ferrite Nanocrystals. Journal of Physical Chemistry C, 2010, 114, 6272-6280.	3.1	54
3	A magnetically recyclable photocatalyst with commendable dye degradation activity at ambient conditions. Scientific Reports, 2018, 8, 14700.	3.3	47
4	Photocatalytic activity of Ni_{0.5}Zn_{0.5}Fe₂O₄@polyaniline decorated BiOCl for azo dye degradation under visible light â€“ integrated role and degradation kinetics interpretation. RSC Advances, 2019, 9, 8977-8993.	3.6	43
5	Highly efficient and visible light driven Ni0.5Zn0.5Fe2O4@PANI modified BiOCl heterocomposite catalyst for water remediation. Applied Catalysis B: Environmental, 2017, 211, 305-322.	20.2	41
6	Bimodal Co0.5Zn0.5Fe2O4/PANI nanocomposites: Synthesis, formation mechanism and magnetic properties. Composites Science and Technology, 2010, 70, 249-254.	7.8	27
7	Synthesis of 1-dimensional polyaniline nanofibers by reverse microemulsion. Colloid and Polymer Science, 2009, 287, 1107-1110.	2.1	23
8	Electrically induced swelling and methylene blue release behaviour of poly (N-isopropylacrylamide-co-acrylamido-2-methylpropyl sulphonic acid) hydrogels. Colloid and Polymer Science, 2015, 293, 3533-3544.	2.1	18
9	Surface modification of polysulfone ultrafiltration membrane by in-situ ferric chloride based redox polymerization of aniline-surface characteristics and flux analyses. Korean Journal of Chemical Engineering, 2019, 36, 573-583.	2.7	16
10	Effect of Nanoparticles Concentration on Thermal, Magnetic and Electrical Properties of Ni0.5Zn0.5Fe2O4 based Polyaniline Nanocomposites by In-Situ Polymerisation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 599, 124798.	4.7	14
11	Effect of calcination and surface functionalization of nanoparticles on structural, magnetic and electrical properties of polyaniline Ni0.5Zn0.5Fe2O4 nanocomposites. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 628, 127273.	4.7	6
12	Effect of Cation Distribution on Electro-Magnetic Properties of Ternary Nickel Zinc Nanoferrites. Advanced Science, Engineering and Medicine, 2019, 11, 708-719.	0.3	4
13	Catalytic activity of surfaceâ€functionalized nanoscale nickel zinc multiferrites: potential vector for water purification. Journal of Chemical Technology and Biotechnology, 2020, 95, 739-750.	3.2	3
14	Tuneable thermoresponsive hybrid magnetic nanoparticles: preparation, characterization and drug release characteristics. Journal of Chemical Technology and Biotechnology, 2017, 92, 1006-1016.	3.2	2
15	Performance enhancement of commercial ultrafiltration polysulfone membrane via in situ polymerization of aniline using copper chloride as a catalyst. Journal of Chemical Technology and Biotechnology, 2021, 96, 502-513.	3.2	1