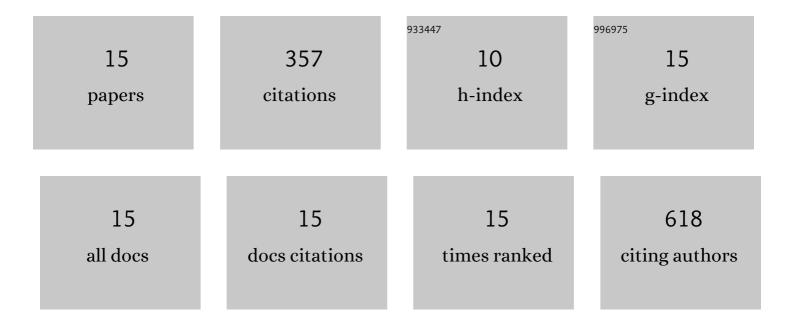
## Uttam Kumar Mandal

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Photocatalytic activity of Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> @polyaniline decorated BiOCl for azo dye degradation under visible light – integrated role and degradation kinetics interpretation. RSC Advances, 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. Korean Journal of Chemical Engineering, 2019, 36, 573-583.	2.7	16
7	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
8	A magnetically recyclable photocatalyst with commendable dye degradation activity at ambient conditions. Scientific Reports, 2018, 8, 14700.	3.3	47
9	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
10	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
11	Tuneable thermoresponsive hybrid magnetic nanoparticles: preparation, characterization and drug release characteristics. Journal of Chemical Technology and Biotechnology, 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. Colloid and Polymer Science, 2015, 293, 3533-3544.	2.1	18
13	Bimodal Co0.5Zn0.5Fe2O4/PANI nanocomposites: Synthesis, formation mechanism and magnetic properties. Composites Science and Technology, 2010, 70, 249-254.	7.8	27
14	Influence of Processing Methodology on Magnetic Behavior of Multicomponent Ferrite Nanocrystals. Journal of Physical Chemistry C, 2010, 114, 6272-6280.	3.1	54
15	Synthesis of 1-dimensional polyaniline nanofibers by reverse microemulsion. Colloid and Polymer Science, 2009, 287, 1107-1110.	2.1	23