Rupali Rakshit

List of Publications by Year in Descending Order

26 papers	285 citations	10 h-index	16 g-index
27 ext. papers	340 ext. citations	4.7 avg, IF	3.56 L-index

#	Paper	IF	Citations
26	Unusual dielectric properties of hollow magnesium ferrite nanospheres: a potential lightweight microwave absorber. *Journal of Materials Science*, **2022**, 57, 4569-4582	4.3	
25	Magnetic Field-Dependent Photoluminescence of Tartrate-Functionalized Gadolinium-Doped Manganese Ferrite Nanoparticles: A Potential Therapeutic Agent for Hyperbilirubinemia Treatment. *ACS Applied Nano Materials*, **2021**, 4, 4379-4387	5.6	1
24	Electromagnetic Response of SiO□@Fe□□ Core□Shell Nanostructures in the THz Regime. *IEEE Transactions on Magnetics*, **2021**, 57, 1-6	2	
23	Shear response of magnetorheological fluid with Zn0.2Fe2.8O4 sub-micron hollow spheres. *Journal of Applied Physics*, **2021**, 129, 033901	2.5	0
22	Catalytic Hydrogen Doping of NdNiO Thin Films under Electric Fields. *ACS Applied Materials & Interfaces*, **2020**, 12, 54955-54962	9.5	4
21	Magnetic and Electronic Properties of Zn-Doped Fe3O4 Hollow Nanospheres. *Physical Review Applied*, **2019**, 11,	4.3	10
20	Three-Dimensional Nanoconfinement Supports Verwey Transition in FeO Nanowire at 10 nm Length Scale. *Nano Letters*, **2019**, 19, 5003-5010	11.5	7
19	Enhanced magnetic properties of Zn doped Fe3O4 nano hollow spheres for better bio-medical applications. *Journal of Magnetism and Magnetic Materials*, **2019**, 475, 130-136	2.8	19
18	Facile surface modification of nickel ferrite nanoparticles for inherent multiple fluorescence and catalytic activities. *RSC Advances*, **2018**, 8, 38-43	3.7	7
17	Surface Electronic States Induced High Terahertz Conductivity of CoO Microhollow Structure. *ACS Applied Materials & Interfaces*, **2018**, 10, 19189-19196	9.5	2
16	Synthesis and functionalization of MnFe 2 O 4 nano□ollow spheres for novel optical and catalytic properties. *Surfaces and Interfaces*, **2017**, 7, 106-112	4.1	7
15	Influence of functional group of dye on the adsorption behaviour of CoFe2O4 nano-hollow spheres. *New Journal of Chemistry*, **2017**, 41, 9095-9102	3.6	15
14	Design and development of bioactive □ydroxy carboxylate group modified MnFe2O4 nanoparticle: Comparative fluorescence study, magnetism and DNA nuclease activity. *Materials Today Chemistry*, **2017**, 5, 92-100	6.2	10
13	Ultra high supercapacitance of ultra small Co3O4 nanocubes. *Energy*, **2016**, 103, 481-486	7.9	34
12	THz conductivity of semi-insulating and magnetic CoFe2O4 nano-hollow structures through thermally activated polaron. *Journal of Applied Physics*, **2016**, 120, 203901	2.5	4
11	Evaluation of SiO2@CoFe2O4 nano-hollow spheres through THz pulses **2016**,		1
10	Charge transfer mediated magnetic response of cobalt ferrite nanoparticles. *Materials Letters*, **2015**, 151, 64-67	3.3	5

9	Research Update: Facile synthesis of CoFe2O4 nano-hollow spheres for efficient bilirubin adsorption. *APL Materials*, **2015**, 3, 110701	5.7	12
8	Ligand-induced evolution of intrinsic fluorescence and catalytic activity from cobalt ferrite nanoparticles. *ChemPhysChem*, **2015**, 16, 1627-34	3.2	10
7	Magnetic properties of Fe3O4 nano-hollow spheres. *Journal of Magnetism and Magnetic Materials*, **2015**, 393, 192-198	2.8	9
6	Acoustic vibration induced high electromagnetic responses of Fe3O4nano-hollow spheres in the THz regime. *Journal Physics D: Applied Physics*, **2015**, 48, 245301	3	8
5	Surface chemistry modulated introduction of multifunctionality within Co3O4 nanocubes. *RSC Advances*, **2015**, 5, 16311-16318	3.7	10
4	Surface modification of MnFe□□nanoparticles to impart intrinsic multiple fluorescence and novel photocatalytic properties. *ACS Applied Materials & Interfaces*, **2014**, 6, 4903-10	9.5	60
3	Surface Modification of ({boldsymbol {alpha }}-) Fe2O3 Nanoparticles to Develop as Intrinsic Photoluminescent Probe and Unprecedented Photocatalyst. *IEEE Transactions on Magnetics*, **2014**, 50, 1-4	2	
2	Tuning of magnetic properties of CoFe2O4 nanoparticles through charge transfer effect. *Applied Physics Letters*, **2014**, 104, 092412	3.4	21
1	Facile functionalization of Fe2O3 nanoparticles to induce inherent photoluminescence and excellent photocatalytic activity. *Applied Physics Letters*, **2014**, 104, 233110	3.4	29