

# Anirban Roychowdhury

## List of Publications by Year in descending order

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docs citations

14  
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of charge transport properties in less defective nanostructured ZnO based Schottky diode. RSC Advances, 2015, 5, 36560-36567.	3.6	111
2	Effects of magnetite nanoparticles on optical properties of zinc sulfide in fluorescent-magnetic Fe <sub>3</sub> O <sub>4</sub> /ZnS nanocomposites. Powder Technology, 2014, 254, 583-590.	4.2	70
3	Synthesis of $\hat{\mu}$ -Fe <sub>2</sub> O <sub>3</sub> -functionalised graphene oxide nanocomposite by a facile low temperature method and study of its magnetic and hyperfine properties. Materials Research Bulletin, 2016, 74, 109-116.	5.2	54
4	Structural and magnetic properties of erbium (Er <sup>3+</sup> ) doped nickel zinc ferrite prepared by sol-gel auto-combustion method. Journal of Magnetism and Magnetic Materials, 2018, 466, 172-179.	2.3	44
5	Sonochemically Synthesized Spin-Canted CuFe <sub>2</sub> O <sub>4</sub> Nanoparticles for Heterogeneous Green Catalytic Click Chemistry. ACS Omega, 2019, 4, 13845-13852.	3.5	39
6	Tunable properties of magneto-optical Fe <sub>3</sub> O <sub>4</sub> /CdS nanocomposites on size variation of the magnetic component. Materials Chemistry and Physics, 2015, 151, 105-111.	4.0	20
7	NiFe <sub>2</sub> O <sub>4</sub> nanorod: porosity effect on spin canting, quadrupole splitting and hyperfine magnetic properties. Materials Research Express, 2015, 2, 046102.	1.6	17
8	Effect of biomimetic templates on the magneto-structural properties of Fe <sub>3</sub> O <sub>4</sub> nanoparticles. RSC Advances, 2015, 5, 13777-13786.	3.6	15
9	Multi-functional biomimetic graphene induced transformation of Fe <sub>3</sub> O <sub>4</sub> to $\hat{\mu}$ -Fe <sub>2</sub> O <sub>3</sub> at room temperature. RSC Advances, 2015, 5, 89488-89497.	3.6	15
10	Magneto-optical properties of $\hat{\mu}$ -Fe <sub>2</sub> O <sub>3</sub> @ZnO nanocomposites prepared by the high energy ball-milling technique. Journal of Physics and Chemistry of Solids, 2016, 92, 38-44.	4.0	8
11	Non-inversion anisotropy energy in NiO coral structure: Asymmetric hysteresis loop at room temperature. Applied Surface Science, 2018, 449, 389-398.	6.1	4
12	Effects of rGO incorporation on structural and magnetic properties of Ni-Zn ferrite nanostructures. Journal of Magnetism and Magnetic Materials, 2022, 559, 169507.	2.3	3
13	Electron $\hat{\mu}$ Phonon interaction to tune metal $\hat{\mu}$ Semiconductor junction characteristics: Ultralow potential barrier and less non-thermionic emission. Physica B: Condensed Matter, 2018, 547, 101-110.	2.7	2
14	Trapped Exciton-Enhanced Response of n-TiO <sub>2</sub> (110)/p-Si(111) Nanostructures as Photodetectors. ACS Applied Nano Materials, 0, , .	5.0	1