

# Raja Das

## List of Publications by Year in descending order

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23  
papers

1,403  
citations

430874

18  
h-index

642732

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

2213  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal and metal oxidenanoparticle synthesis from metal organic frameworks (MOFs): finding the border of metal and metal oxides. <i>Nanoscale</i> , 2012, 4, 591-599.	5.6	334
2	Effect of Reduced Particle Size on the Magnetic Properties of Chemically Synthesized BiFeO <sub>3</sub> Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2010, 114, 2108-2115.	3.1	191
3	Solvothermal Synthesis, Structure, and Properties of Metal Organic Framework Isomers Derived from a Partially Fluorinated Link. <i>Crystal Growth and Design</i> , 2011, 11, 1215-1222.	3.0	101
4	Magnetic and dielectric properties and Raman spectroscopy of GdCrO <sub>3</sub> nanoparticles. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	96
5	Syntheses, Crystal Structures, and Magnetic Properties of Metal-Organic Hybrid Materials of Co(II) Using Flexible and Rigid Nitrogen-Based Ditopic Ligands as Spacers. <i>Crystal Growth and Design</i> , 2012, 12, 1571-1578.	3.0	94
6	Tunable band gap and coercivity of bismuth ferrite-polyaniline core-shell nanoparticles: the role of shell thickness. <i>RSC Advances</i> , 2015, 5, 23563-23568.	3.6	70
7	Synthesis, Characterization, and Magnetic Studies of Coordination Polymers with Co(II) and Mn(II) Ions. <i>Crystal Growth and Design</i> , 2012, 12, 4624-4632.	3.0	67
8	Temperature-Dependent Raman and Dielectric Spectroscopy of BiFeO <sub>3</sub> Nanoparticles: Signatures of Spin-Phonon and Magnetoelectric Coupling. <i>Journal of Physical Chemistry C</i> , 2010, 114, 12432-12439.	3.1	65
9	Ligand-Free One-Step Synthesis of {001} Faceted Semiconducting BiOCl Single Crystals and Their Photocatalytic Activity. <i>Crystal Growth and Design</i> , 2014, 14, 236-239.	3.0	56
10	Surface Effects on Morin Transition, Exchange Bias, and Enhanced Spin Reorientation in Chemically Synthesized DyFeO <sub>3</sub> Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011, 115, 2954-2960.	3.1	44
11	Observation of Enhanced Dielectric Coupling and Room-Temperature Ferromagnetism in Chemically Synthesized BiFeO <sub>3</sub> @SiO <sub>2</sub> Core-Shell Particles. <i>Journal of Physical Chemistry C</i> , 2012, 116, 19503-19511.	3.1	43
12	Dielectric and spin relaxation behaviour in DyFeO <sub>3</sub> nanocrystals. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	38
13	Synthesis and optical studies of GdCrO <sub>3</sub> nanoparticles. <i>Journal of Nanoparticle Research</i> , 2011, 13, 1019-1027.	1.9	37
14	Mechanistic Study of Surface Functionalization of Enzyme Lysozyme Synthesized Ag and Au Nanoparticles Using Surface Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2009, 113, 21493-21500.	3.1	36
15	Self-assembled vertically aligned gold nanorod superlattices for ultra-high sensitive detection of molecules. <i>Nano Research</i> , 2015, 8, 907-919.	10.4	28
16	Systematic Investigation of Anisotropic Magneto-Peltier Effect and Anomalous Ettingshausen Effect in $\text{Ni}$ Thin Films. <i>Physical Review Applied</i> , 2019, 11, .	3.8	28
17	Origin of Magnetic Anomalies below the Néel Temperature in Nanocrystalline LuMnO <sub>3</sub> . <i>Journal of Physical Chemistry C</i> , 2010, 114, 12104-12109.	3.1	24
18	Surface disordered rutile TiO <sub>2</sub> -graphene quantum dot hybrids: a new multifunctional material with superior photocatalytic and biofilm eradication properties. <i>New Journal of Chemistry</i> , 2017, 41, 2642-2657.	2.8	19

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19	Observation of exchange bias below incommensurate antiferromagnetic (ICAFM) to canted A-type antiferromagnetic (cAAFM) transition in nanocrystalline orthorhombic EuMnO <sub>3</sub> . RSC Advances, 2014, 4, 10614.	3.6	8
20	Thermopile based on anisotropic magneto-Peltier effect. Applied Physics Letters, 2019, 114, .	3.3	8
21	Superior organic dye removal by CoCr <sub>2</sub> O <sub>4</sub> nanoparticles: Adsorption kinetics and isotherm. Journal of Science: Advanced Materials and Devices, 2022, 7, 100438.	3.1	8
22	Modification of crystal anisotropy and enhancement of magnetic moment of Co-doped SnO <sub>2</sub> thin films annealed under magnetic field. Nanoscale Research Letters, 2014, 9, 635.	5.7	4
23	Ionic Control on the Morphology of Ytterbium Manganese Oxide Nanorods and Nanoplates in a Surfactant-Free Synthesis and Their Magnetic Properties. Journal of Physical Chemistry C, 2014, 118, 13268-13275.	3.1	4