

Kajari Dutta Das

List of Publications by Year in descending order

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26
papers

1,330
citations

361413
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all docs

26
docs citations

26
times ranked

2116
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced magnetic and dielectric properties of Eu and Co co-doped BiFeO ₃ nanoparticles. Applied Physics Letters, 2012, 101, 042401.	3.3	192
2	Morphology Dependent Luminescence Properties of Co Doped TiO ₂ Nanostructures. Journal of Physical Chemistry C, 2009, 113, 14783-14792.	3.1	170
3	Engineering of ZnO/rGO nanocomposite photocatalyst towards rapid degradation of toxic dyes. Materials Chemistry and Physics, 2019, 223, 456-465.	4.0	123
4	Optical Properties of the Type-II Core-Shell TiO ₂ @CdS Nanorods for Photovoltaic Applications. Journal of Physical Chemistry C, 2009, 113, 3494-3501.	3.1	113
5	Magnetic and dielectric properties of Eu-doped BiFeO ₃ nanoparticles by acetic acid-assisted sol-gel method. Journal of Applied Physics, 2011, 110, .	2.5	85
6	Template-Free Synthesis of Mesoporous CuO Dandelion Structures For Optoelectronic Applications. ACS Applied Materials & Interfaces, 2010, 2, 1536-1542.	8.0	77
7	Effect of Cu/In molar ratio on the microstructural and optical properties of microcrystalline CuInS ₂ prepared by solvothermal route. Materials Research Bulletin, 2008, 43, 2742-2750.	5.2	74
8	Solvent-controlled synthesis of TiO ₂ 1D nanostructures: Growth mechanism and characterization. Journal of Crystal Growth, 2008, 310, 3792-3799.	1.5	61
9	Bright white light emitting Eu and Tb co-doped monodisperse In ₂ O ₃ nanocrystals. Journal of Materials Chemistry C, 2013, 1, 5557.	5.5	52
10	Effect of oleic acid ligand on photophysical, photoconductive and magnetic properties of monodisperse SnO ₂ quantum dots. Dalton Transactions, 2013, 42, 3434-3446.	3.3	50
11	Optical and photoconductivity studies of Cu ₂ O nanowires synthesized by solvothermal method. Journal of Luminescence, 2009, 129, 1015-1022.	3.1	47
12	Efficient Flexible White-Light Photodetectors Based on BiFeO ₃ Nanoparticles. ACS Applied Nano Materials, 2018, 1, 625-631.	5.0	33
13	Highly efficient photocatalytic activity of CuO quantum dot decorated rGO nanocomposites. Journal Physics D: Applied Physics, 2016, 49, 315107.	2.8	31
14	Optical and ferroelectric properties of ruthenium-doped BaTiO ₃ nanocubes. Journal Physics D: Applied Physics, 2012, 45, 505304.	2.8	29
15	CuInS ₂ Flower Vase-like Nanostructure Arrays on a Cu Tape Substrate by the Copper Indium Sulfide on Cu-Tape (CISCuT) Method: Growth and Characterization. Crystal Growth and Design, 2007, 7, 1547-1552.	3.0	28
16	Luminescence properties of the solvothermally synthesized blue light emitting Mn doped Cu ₂ O nanoparticles. Journal of Applied Physics, 2010, 107, .	2.5	27
17	Exchange bias effect in BiFeO ₃ -NiO nanocomposite. Journal of Applied Physics, 2014, 115, .	2.5	27
18	Template free synthesis of SnO ₂ nanoflower arrays on Sn foil. CrystEngComm, 2012, 14, 929-935.	2.6	26

#	ARTICLE	IF	CITATIONS
19	Interfacial magnetism and exchange coupling in BiFeO ₃ ∕CuO nanocomposite. <i>Nanotechnology</i> , 2013, 24, 505711.	2.6	26
20	Vibrational spectroscopy and ionic conductivity of polyethylene oxide∕NaClO ₄ ∕CuO nanocomposite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 83, 384-391.	3.9	23
21	Core-shell ZnO∕CuInS ₂ hexagonal nanopyramids with improved photo-conversion efficiency. <i>Solar Energy Materials and Solar Cells</i> , 2015, 143, 326-334.	6.2	11
22	Judicial design of graphene based nanocomposite harvesting UV-Visible spectrum: Efficient, eco-friendly solar photocatalyst for industrial waste management. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104851.	6.7	8
23	Room temperature synthesis of GO∕Ag ₂ O nanocomposite: Broad spectral ranged solar photocatalyst and high efficacy antibiotic for waste water treatment. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107175.	6.7	7
24	Large magnetic exchange anisotropy at a heterointerface composed of nanostructured BiFeO ₃ and NiO. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 325002.	2.8	5
25	Design of plasmonic solar photocatalyst: Judicially coupled hot carrier induced surface plasmon of Ag with graphene. <i>Optical Materials</i> , 2022, 123, 111887.	3.6	4
26	A BICHROMOPHORIC ORGANIC-INORGANIC SEMICONDUCTOR NANOCOMPOSITE: DEVICE READY BROAD SPECTRAL RESPONSE LIGHT-HARVESTING MATERIAL WITH ENHANCED PHOTORESPONSE. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 597, 124707.	4.7	1