

Swapna S. Nair

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

417
citations

759233

12
h-index

752698

20
g-index

32
all docs

32
docs citations

32
times ranked

501
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a paper printed colorimetric sensor based on Cu-Curcumin nanoparticles for evolving point-of-care clinical diagnosis of sodium. Scientific Reports, 2022, 12, 6247.	3.3	10
2	Photocatalytic degradation study of three different organic dyes using co-metal substituted ZnS and metal-ZnS composite nanoparticles. AIP Conference Proceedings, 2022, , .	0.4	0
3	A magnetoelectric nanocomposite based on 2 dimensional Cr2O3 and CoFe2O4. Solid State Communications, 2022, , 114865.	1.9	2
4	Exchange bias in BiFeO3 and Bi0.9La0.1FeO3 nanoparticles. Journal Physics D: Applied Physics, 2021, 54, 125301.	2.8	5
5	Defect induced magnetism in green synthesized Cadmium Sulfide nanoparticles for spintronics applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 265, 114998.	3.5	4
6	2D layer stacked metallic Cu-serine triangular pyramids and their surface plasmon resonance properties. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 127, 114509.	2.7	3
7	Semiconductor Quantum Dots and Core Shell Systems for High Contrast Cellular/Bio Imaging. Progress in Optical Science and Photonics, 2021, , 27-38.	0.5	0
8	Introduction to the Optical Applications of Nanomaterials. Progress in Optical Science and Photonics, 2021, , 1-9.	0.5	1
9	Green Synthesis of Engineered CdS Nanoparticles with Reduced Cytotoxicity for Enhanced Bioimaging Application. ACS Omega, 2021, 6, 8646-8655.	3.5	14
10	Structural and optical properties of copper nanoparticles synthesized via wet chemical route. AIP Conference Proceedings, 2020, , .	0.4	3
11	Label Free, Nontoxic Cu-GSH NCs as a Nanoplatform for Cancer Cell Imaging and Subcellular pH Monitoring Modulated by a Specific Inhibitor: Bafilomycin A1. ACS Applied Bio Materials, 2020, 3, 1245-1257.	4.6	16
12	A slow, efficient and safe nanoplatform of tailored ZnS QD-mycophenolic acid conjugates for in vitro drug delivery against dengue virus 2 genome replication. Nanoscale Advances, 2020, 2, 5777-5789.	4.6	3
13	Room temperature magnetoelectric properties of lead-free alkaline niobate based particulate composites. Ceramics International, 2019, 45, 8115-8122.	4.8	18
14	Cytotoxicity of nanoparticles - Are the size and shape only matters? or the media parameters too?: a study on band engineered ZnS nanoparticles and calculations based on equivolume stress model. Nanotoxicology, 2019, 13, 1005-1020.	3.0	14
15	Effect of CoFe2O4 weight fraction on multiferroic and magnetoelectric properties of (1 - x)Tj ETQq1 1 0.784314 rgBT /Overlock 10 T in Electronics, 2019, 30, 8239-8248.	2.2	18
16	Magnetic Properties of MFeCrO4 (M=Co/Ni) Prepared by Solution Combustion Method. Journal of Superconductivity and Novel Magnetism, 2019, 32, 2973-2979.	1.8	14
17	Enhanced photoconductivity in CdS/betainin composite nanostructures. RSC Advances, 2018, 8, 11330-11337.	3.6	23
18	Study of structural and magnetoelectric properties of 1-x(Ba0.96Ca0.04TiO3)-x(ZnFe2O4) ceramic composites. Journal of Materials Science: Materials in Electronics, 2018, 29, 80-85.	2.2	12

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19	Synthesis and Characterization of Nanosized Cobalt Manganese Alloys. <i>Advanced Science Letters</i> , 2018, 24, 5795-5800.	0.2	0
20	Strain induced giant magnetoelectric coupling in KNN/Metglas/KNN sandwich multilayers. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	8
21	High voltage generation from lead-free magnetoelectric coaxial nanotube arrays and their applications in nano energy harvesters. <i>Nanotechnology</i> , 2017, 28, 055402.	2.6	7
22	Localized surface plasmon resonance based highly sensitive room temperature pH sensor for detection and quantification of ammonia. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 580-585.	7.8	17
23	Synthesis of copper quantum dots by chemical reduction method and tailoring of its band gap. <i>AIP Advances</i> , 2016, 6, 055003.	1.3	17
24	Tuning of optical and magnetic properties of nanostructured CdS thin films via nickel doping. <i>Journal of Materials Science</i> , 2016, 51, 10526-10533.	3.7	10
25	Multiferroic and magnetoelectric properties of Ba _{0.85} Ca _{0.15} Zr _{0.1} Ti _{0.9} O ₃ â€“CoFe ₂ O ₄ coreâ€“shell nanocomposite. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 418, 294-299.	2.3	68
26	Structural, morphological and optical properties of chromium oxide nanoparticles. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	3
27	Large enhanced dielectric permittivity in polyaniline passivated core-shell nano magnetic iron oxide by plasma polymerization. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	20
28	Contact potential induced enhancement of magnetization in polyaniline coated nanomagnetic iron oxides by plasma polymerization. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	9
29	Ferrofluid thin films as optical gaussmeters proposed for field and magnetic moment sensing. <i>Bulletin of Materials Science</i> , 2011, 34, 245-249.	1.7	7
30	An optical limiter based on ferrofluids. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	73
31	Magnetic field-induced cluster formation and variation of magneto-optical signals in zinc-substituted ferrofluids. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 305, 28-34.	2.3	17
32	Functionally graded magnetodielectric composite substrates for massive miniaturization of microstrip antennas. <i>Materials Advances</i> , 0, , .	5.4	1