

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	An optical limiter based on ferrofluids. Applied Physics Letters, 2008, 92, .	3.3	73
2	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. Journal of Magnetism and Magnetic Materials, 2016, 418, 294-299.	2.3	68
3	Enhanced photoconductivity in CdS/betainin composite nanostructures. RSC Advances, 2018, 8, 11330-11337.	3.6	23
4	Large enhanced dielectric permittivity in polyaniline passivated core-shell nano magnetic iron oxide by plasma polymerization. Applied Physics Letters, 2014, 104, .	3.3	20
5	Room temperature magnetoelectric properties of lead-free alkaline niobate based particulate composites. Ceramics International, 2019, 45, 8115-8122.	4.8	18
6	Effect of CoFe ₂ O ₄ weight fraction on multiferroic and magnetoelectric properties of (1 - x) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 T in Electronics, 2019, 30, 8239-8248.	2.2	18
7	Magnetic field-induced cluster formation and variation of magneto-optical signals in zinc-substituted ferrofluids. Journal of Magnetism and Magnetic Materials, 2006, 305, 28-34.	2.3	17
8	Synthesis of copper quantum dots by chemical reduction method and tailoring of its band gap. AIP Advances, 2016, 6, 055003.	1.3	17
9	Localized surface plasmon resonance based highly sensitive room temperature pH sensor for detection and quantification of ammonia. Sensors and Actuators B: Chemical, 2017, 240, 580-585.	7.8	17
10	Label Free, Nontoxic Cu-GSH NCs as a Nanoplatfrom 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
11	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
12	Magnetic Properties of MFeCrO ₄ (Mâ€“=â€“Co/Ni) Prepared by Solution Combustion Method. Journal of Superconductivity and Novel Magnetism, 2019, 32, 2973-2979.	1.8	14
13	Green Synthesis of Engineered CdS Nanoparticles with Reduced Cytotoxicity for Enhanced Bioimaging Application. ACS Omega, 2021, 6, 8646-8655.	3.5	14
14	Study of structural and magnetoelectric properties of 1â€“x(Ba _{0.96} Ca _{0.04} TiO ₃)â€“x(ZnFe ₂ O ₄) ceramic composites. Journal of Materials Science: Materials in Electronics, 2018, 29, 80-85.	2.2	12
15	Tuning of optical and magnetic properties of nanostructured CdS thin films via nickel doping. Journal of Materials Science, 2016, 51, 10526-10533.	3.7	10
16	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
17	Contact potential induced enhancement of magnetization in polyaniline coated nanomagnetic iron oxides by plasma polymerization. Applied Physics Letters, 2013, 103, .	3.3	9
18	Strain induced giant magnetoelectric coupling in KNN/Metglas/KNN sandwich multilayers. Applied Physics Letters, 2017, 110, .	3.3	8

#	ARTICLE	IF	CITATIONS
19	Ferrofluid thin films as optical gaussmeters proposed for field and magnetic moment sensing. Bulletin of Materials Science, 2011, 34, 245-249.	1.7	7
20	High voltage generation from lead-free magnetoelectric coaxial nanotube arrays and their applications in nano energy harvesters. Nanotechnology, 2017, 28, 055402.	2.6	7
21	Exchange bias in BiFeO ₃ and Bi _{0.9} La _{0.1} FeO ₃ nanoparticles. Journal Physics D: Applied Physics, 2021, 54, 125301.	2.8	5
22	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
23	Structural, morphological and optical properties of chromium oxide nanoparticles. AIP Conference Proceedings, 2015, , .	0.4	3
24	Structural and optical properties of copper nanoparticles synthesized via wet chemical route. AIP Conference Proceedings, 2020, , .	0.4	3
25	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
26	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
27	A magnetoelectric nanocomposite based on 2 dimensional Cr ₂ O ₃ and CoFe ₂ O ₄ . Solid State Communications, 2022, , 114865.	1.9	2
28	Introduction to the Optical Applications of Nanomaterials. Progress in Optical Science and Photonics, 2021, , 1-9.	0.5	1
29	Functionally graded magnetodielectric composite substrates for massive miniaturization of microstrip antennas. Materials Advances, 0, , .	5.4	1
30	Synthesis and Characterization of Nanosized Cobalt Manganese Alloys. Advanced Science Letters, 2018, 24, 5795-5800.	0.2	0
31	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
32	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