

Anila E I

List of Publications by Year in descending order

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papers

615
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567281

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times ranked

657
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparison of in vitro cytotoxicity of undoped and doped surface modified CaS nanoparticles. <i>Materials Letters</i> , 2022, 311, 131578.	2.6	0
2	Investigations on the electronic properties and effect of chitosan capping on the structural and optical properties of zinc aluminate quantum dots. <i>Applied Surface Science</i> , 2022, 579, 152162.	6.1	5
3	Structural, Luminescence and Cytotoxicity Studies of PEG Capped CaS Nanophosphors. <i>IOP Conference Series: Materials Science and Engineering</i> , 2022, 1219, 012029.	0.6	0
4	Pure red luminescence and concentration-dependent tunable emission color from europium-doped zinc sulfide nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 17793-17801.	2.2	5
5	Optimized synthesis temperature and doping concentration of copper in zinc sulphide nanoparticles for green emission. <i>Materials Science in Semiconductor Processing</i> , 2021, 121, 105317.	4.0	12
6	Highly luminescent ZnS:Mn quantum dots capped with aloe vera extract. <i>Solid State Communications</i> , 2021, 323, 114106.	1.9	4
7	Formation and photoluminescence of ZnS:Tb nanoparticles stabilized by polyethylene glycol. <i>Materials Today: Proceedings</i> , 2021, 42, 563-566.	1.8	0
8	Effects of reduced graphene oxide on nonlinear absorption and optical limiting properties of spin coated aluminium doped zinc oxide thin films. <i>Thin Solid Films</i> , 2021, 722, 138580.	1.8	8
9	Polypyrrole- silver nanocomposite for enhanced photocatalytic degradation of methylene blue under sunlight irradiation. <i>Materials Letters</i> , 2021, 298, 130014.	2.6	16
10	Investigation of photoluminescence emission from \hat{I}^2 -Ga ₂ O ₃ : Ce thin films deposited by spray pyrolysis technique. <i>Journal of Alloys and Compounds</i> , 2021, 872, 159590.	5.5	12
11	P type copper doped tin oxide thin films and p-n homojunction diodes based on them. <i>Optical Materials</i> , 2021, 118, 111281.	3.6	2
12	Metal-“semiconductor”-metal visible photodetector based on Al-doped (Cd:Zn)S nano thin films by hydrothermal synthesis. <i>Optik</i> , 2021, 241, 166878.	2.9	3
13	Tailoring the properties of tin dioxide thin films by spray pyrolysis technique. <i>Optical Materials</i> , 2021, 122, 111653.	3.6	1
14	Effect of source-substrate distance on the transparent electrode properties of spray pyrolysed aluminium doped zinc oxide thin films. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	1
15	Investigations on the effects of rGO incorporation on the photosensitivity of (Cd:Zn)S nanocrystalline thin film-based visible photodetectors by hydrothermal synthesis. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 2523-2529.	2.2	4
16	A study of the structure, luminescence and cytotoxicity of new green-emitting terbium-doped CaS nanophosphors. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 15896-15906.	2.2	3
17	Structural and linear optical properties of blue light emitting Sr ₃ Al ₂ O ₆ . <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
18	Intense Yellow Emitting Biocompatible CaS:Eu Nanophosphors Synthesized by Wet Chemical Method. <i>Journal of Fluorescence</i> , 2019, 29, 673-682.	2.5	9

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19	White light emitting dysprosium doped CaS nanophosphors synthesized by solid state diffusion method. Materials Chemistry and Physics, 2019, 237, 121843.	4.0	3
20	Studies on the effect of reduced graphene oxide on nonlinear absorption and optical limiting properties of potassium doped zinc oxide thin film by Z - scan technique. Thin Solid Films, 2019, 685, 161-167.	1.8	8
21	Transparent and blue emitting $\hat{2}$ -Ga ₂ O ₃ thin film deposited by spray pyrolysis method. AIP Conference Proceedings, 2019, , .	0.4	1
22	Structural, Spectral, Electrical and Nonlinear Optical Characterizations of rGO-PANI Composites. Materials Today: Proceedings, 2019, 10, 456-465.	1.8	7
23	Effect of substrate temperature on fluorine doped tin oxide thin films (FTO) by chemical spray pyrolysis method. AIP Conference Proceedings, 2019, , .	0.4	0
24	Efficient fluorescence resonant energy transfer between ZnO nanoparticles and fluorescein dye in liquid medium for cell imaging and cancer therapy. AIP Conference Proceedings, 2019, , .	0.4	2
25	Effect of polyethylene glycol (PEG) on the structural and optical properties of europium doped CaS nanophosphors synthesized by wet chemical method. AIP Conference Proceedings, 2019, , .	0.4	0
26	Effect of Cd concentration on the structural, morphological and optical properties of chemical bath deposited (Cd: Zn)S thin films. AIP Conference Proceedings, 2019, , .	0.4	0
27	Synthesis and characterization of Cu doped ZnS nanoparticles by wet chemical method. AIP Conference Proceedings, 2019, , .	0.4	1
28	Fabrication of p-SnO/n-SnO ₂ transparent p-n junction diode by spray pyrolysis and extraction of device's intrinsic parameters. Materials Letters, 2019, 247, 211-214.	2.6	13
29	Excitation induced tunable emission from yellow to red in ZnO:Eu ³⁺ , Na ⁺ nanophosphors. Journal of Alloys and Compounds, 2019, 786, 758-763.	5.5	0
30	An investigation on the luminescence quenching mechanism of ZnGa ₂ O ₄ :Tb ³⁺ phosphor. Journal of Luminescence, 2019, 205, 277-281.	3.1	29
31	Controlling the zinc oxide unipolarity through dual acceptor doping for spray-cast homojunction diode. Materials Letters, 2019, 238, 112-115.	2.6	2
32	In vitro cytotoxicity studies of surface modified CaS nanoparticles on L929 cell lines using MTT assay. Materials Letters, 2019, 236, 637-639.	2.6	40
33	Impact of activator incorporation on red emitting rods of ZnGa ₂ O ₄ :Cr ³⁺ phosphor. Materials Science and Engineering C, 2019, 94, 1037-1043.	7.3	25
34	PEG capped CaS nanoparticles synthesized by wet chemical co-precipitation method. AIP Conference Proceedings, 2018, , .	0.4	0
35	Z-scan measurement for nonlinear absorption property of rGO/ZnO:Al thin film. AIP Conference Proceedings, 2018, , .	0.4	0
36	Low temperature synthesis and characterization of zinc gallate quantum dots for optoelectronic applications. Journal of Alloys and Compounds, 2018, 740, 567-573.	5.5	29

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37	Post-deposition thermal treatment of sprayed ZnO:Al thin films for enhancing the conductivity. <i>Physica B: Condensed Matter</i> , 2018, 533, 83-89.	2.7	19
38	Synthesis and characterization of photoconducting (Cd:Zn)S thin films by hydrothermal assisted chemical bath deposition. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
39	Properties of transparent conducting tin monoxide(SnO) thin films prepared by chemical spray pyrolysis method. <i>Physica B: Condensed Matter</i> , 2018, 528, 60-65.	2.7	24
40	Synthesis and characterization of ZnGa ₂ O ₄ :Eu ³⁺ nanophosphor by wet chemical method. <i>Scripta Materialia</i> , 2018, 143, 94-97.	5.2	18
41	Hydrothermal assisted chemical bath deposition of (Cd:Zn)S thin film with high photosensitivity and low dark current. <i>Solar Energy</i> , 2018, 172, 165-170.	6.1	12
42	Tuning the surface morphology of aluminium doped zinc oxide thin films by arrayed nanorods through chemical growth process. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
43	Green Emitting Cerium Doped CaS Whiskers Grown by Solid State Diffusion Method. <i>Journal of Fluorescence</i> , 2018, 28, 1029-1036.	2.5	4
44	Wet chemical approach for the low temperature synthesis of ZnGa ₂ O ₄ :Tb ³⁺ quantum dots with tunable blue-green emission. <i>Journal of Alloys and Compounds</i> , 2018, 764, 142-146.	5.5	12
45	Wet chemical synthesis of chitosan capped ZnO:Na nanoparticles for luminescence applications. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 1833-1836.	7.5	5
46	Highly luminescent and free-standing, PVDF/doped ZnS nanocomposite films for flexible device applications. <i>Journal of Luminescence</i> , 2017, 188, 490-496.	3.1	8
47	Enhanced luminescence of triethanolamine capped calcium sulfide nanoparticles synthesized using wet chemical method. <i>Journal of Luminescence</i> , 2017, 190, 94-99.	3.1	15
48	Study of nonlinear absorption properties of reduced graphene oxide by Z-scan technique. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	4
49	Effect of reduction time on third order optical nonlinearity of reduced graphene oxide. <i>Optical Materials</i> , 2017, 66, 460-468.	3.6	50
50	Cerium doped CaS nanophosphor synthesized by solid state reaction method. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	1
51	Greenish yellow emission from wurtzite structured ZnS:Ce nanophosphor synthesized at low temperature. <i>Journal of Luminescence</i> , 2017, 192, 123-128.	3.1	12
52	Investigation on the Evolution of Structural, Electrical and Transmitting Properties of Aluminium Doped Zinc Oxide Thin Film as a function of substrate temperature. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 149, 012077.	0.6	0
53	Study on the Effect of Synthesis Temperature on the Structural, Surface Morphological and Optical Properties of Methyl Ammonium Lead Iodide Nanoparticles by Sol-Gel Method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 149, 012078.	0.6	4
54	Nonlinear optical characterization of graphite oxide thin film by open aperture Z-scan technique. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	0

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55	Enhanced biocompatibility of ZnS:Mn quantum dots encapsulated with Aloe vera extract for therapeutic applications. Chinese Physics B, 2016, 25, 088103.	1.4	4
56	Effect of anionic concentration on the structural and optical properties of nanostructured ZnS thin films. Optical Materials, 2016, 58, 32-37.	3.6	16
57	Effect of thickness on nonlinear absorption properties of graphite oxide thin films. Optical Materials, 2016, 60, 450-455.	3.6	11
58	Zinc gallate and its starting materials in solid state reaction route- A comparative study. Materials Chemistry and Physics, 2016, 181, 21-25.	4.0	17
59	EMISSION WAVELENGTH TUNING OF DYE DOPED POLYMETHYLMETHACRYLATE MICROFIBERS. , 2016, , .		1
60	Photoluminescence of Nanocrystalline ZnS Thin Film Grown by Solâ€™Gel Method. Journal of Fluorescence, 2015, 25, 227-230.	2.5	21
61	Nanostructured zinc oxide thin film by simple vapor transport deposition. Superlattices and Microstructures, 2015, 85, 379-384.	3.1	4
62	Low temperature fabrication and characterization of wurtzite structured ZnS quantum dots by chemical spray pyrolysis. Journal of Analytical and Applied Pyrolysis, 2015, 115, 96-102.	5.5	18
63	Structural and Optical Properties of White Light Emitting ZnS:Mn ²⁺ Nanoparticles at Different Synthesis Temperatures. Journal of Fluorescence, 2015, 25, 795-801.	2.5	15
64	Structural and optical characterization of potassium doped zinc oxide nanosheets. Optical Materials, 2014, 38, 223-227.	3.6	7
65	Synthesis and characterization of ZnO nanonails. , 2014, , .		1
66	Effect of NH ₄ Cl flux on the structural and luminescence properties of SrS:Cu,F phosphor. Journal of Optics (India), 2013, 42, 64-66.	1.7	1
67	Î±-Axis oriented ZnS thin film synthesised by dip coating method. Journal of Sol-Gel Science and Technology, 2013, 68, 351-355.	2.4	7
68	Synthesis and characterization of nanostructured ZnS thin film. , 2013, , .		4
69	Nanostructured ZnS powders with strong confinement effects prepared by colloidal precipitation method. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 46, 21-24.	2.7	7
70	Sensitized luminescence of SrS:Dy,Cu,Cl phosphor. Philosophical Magazine, 2011, 91, 3641-3648.	1.6	0
71	Determination of Absorption Coefficient of a Solution by a Simple Experimental Setup. , 2011, , .		1
72	Colour control in SrS:Cu,Cl powder phosphor. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 530, 624-627.	5.6	2

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73	Low temperature deposition of SrS:Cu,F ACTFEL device by electron beam evaporation. Journal of Luminescence, 2010, 130, 2180-2183.	3.1	5
74	Effect of dysprosium doping on the optical properties of SrS:Dy,Cl phosphor. Journal of Alloys and Compounds, 2010, 504, 257-260.	5.5	14
75	The photoluminescence of SrS:Cu nanophosphor. Nanotechnology, 2008, 19, 145604.	2.6	23
76	Synthesis of Corrugated Structured N Type Pbs Thin Film. Key Engineering Materials, 0, 500, 118-122.	0.4	2