Anila E I

List of Publications by Year
in descending order

76	615	567281 15	713466 21
papers	citations	h-index	g-index

78	78	78	657
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of reduction time on third order optical nonlinearity of reduced graphene oxide. Optical Materials, 2017, 66, 460-468.	3.6	50
2	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
3	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
4	An investigation on the luminescence quenching mechanism of ZnGa2O4:Tb3+ phosphor. Journal of Luminescence, 2019, 205, 277-281.	3.1	29
5	Impact of activator incorporation on red emitting rods of ZnGa2O4:Cr3+ phosphor. Materials Science and Engineering C, 2019, 94, 1037-1043.	7.3	25
6	Properties of transparent conducting tin monoxide(SnO) thin films prepared by chemical spray pyrolysis method. Physica B: Condensed Matter, 2018, 528, 60-65.	2.7	24
7	The photoluminescence of SrS:Cu nanophosphor. Nanotechnology, 2008, 19, 145604.	2.6	23
8	Photoluminescence of Nanocrystalline ZnS Thin Film Grown by Solâ€“Gel Method. Journal of Fluorescence, 2015, 25, 227-230.	2.5	21
9	Post-deposition thermal treatment of sprayed ZnO:Al thin films for enhancing the conductivity. Physica B: Condensed Matter, 2018, 533, 83-89.	2.7	19
10	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
11	Synthesis and characterization of ZnGa2O4:Eu3+ nanophosphor by wet chemical method. Scripta Materialia, 2018, 143, 94-97.	5.2	18
12	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
13	Effect of anionic concentration on the structural and optical properties of nanostructured ZnS thin films. Optical Materials, 2016, 58, 32-37.	3.6	16
14	Polypyrrole- silver nanocomposite for enhanced photocatalytic degradation of methylene blue under sunlight irradiation. Materials Letters, 2021, 298, 130014.	2.6	16
15	Structural and Optical Properties of White Light Emitting ZnS:Mn2+ Nanoparticles at Different Synthesis Temperatures. Journal of Fluorescence, 2015, 25, 795-801.	2.5	15
16	Enhanced luminescence of triethanolamine capped calcium sulfide nanoparticles synthesized using wet chemical method. Journal of Luminescence, 2017, 190, 94-99.	3.1	15
17	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
18	Fabrication of p-SnO/n-SnO2 transparent p-n junction diode by spray pyrolysis and extraction of deviceâ€™s intrinsic parameters. Materials Letters, 2019, 247, 211-214.	2.6	13

#	ARTICLE	IF	CITATIONS
19	Greenish yellow emission from wurtzite structured ZnS:Ce nanophosphor synthesized at low temperature. Journal of Luminescence, 2017, 192, 123-128.	3.1	12
20	Hydrothermal assisted chemical bath deposition of (Cd:Zn)S thin film with high photosensitivity and low dark current. Solar Energy, 2018, 172, 165-170.	6.1	12
21	Wet chemical approach for the low temperature synthesis of ZnGa2O4:Tb3+ quantum dots with tunable blue-green emission. Journal of Alloys and Compounds, 2018, 764, 142-146.	5.5	12
22	Optimized synthesis temperature and doping concentration of copper in zinc sulphide nanoparticles for green emission. Materials Science in Semiconductor Processing, 2021, 121, 105317.	4.0	12
23	Investigation of photoluminescence emission from Î²-Ga2O3: Ce thin films deposited by spray pyrolysis technique. Journal of Alloys and Compounds, 2021, 872, 159590.	5.5	12
24	Effect of thickness on nonlinear absorption properties of graphite oxide thin films. Optical Materials, 2016, 60, 450-455.	3.6	11
25	Intense Yellow Emitting Biocompatible CaS:Eu Nanophosphors Synthesized by Wet Chemical Method. Journal of Fluorescence, 2019, 29, 673-682.	2.5	9
26	Highly luminescent and free-standing, PVDF/doped ZnS nanocomposite films for flexible device applications. Journal of Luminescence, 2017, 188, 490-496.	3.1	8
27	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
28	Effects of reduced graphene oxide on nonlinear absorption and optical limiting properties of spin coated aluminium doped zinc oxide thin films. Thin Solid Films, 2021, 722, 138580.	1.8	8
29	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
30	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
31	Structural and optical characterization of potassium doped zinc oxide nanosheets. Optical Materials, 2014, 38, 223-227.	3.6	7
32	Structural, Spectral, Electrical and Nonlinear Optical Characterizations of rGO-PANI Composites. Materials Today: Proceedings, 2019, 10, 456-465.	1.8	7
33	Low temperature deposition of SrS:Cu,F ACTFEL device by electron beam evaporation. Journal of Luminescence, 2010, 130, 2180-2183.	3.1	5
34	Wet chemical synthesis of chitosan capped ZnO:Na nanoparticles for luminescence applications. International Journal of Biological Macromolecules, 2017, 104, 1833-1836.	7.5	5
35	Investigations on the electronic properties and effect of chitosan capping on the structural and optical properties of zinc aluminate quantum dots. Applied Surface Science, 2022, 579, 152162.	6.1	5
36	Pure red luminescence and concentration-dependent tunable emission color from europium-doped zinc sulfide nanoparticles. Journal of Materials Science: Materials in Electronics, 2022, 33, 17793-17801.	2.2	5

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37	Synthesis and characterization of nanostructured ZnS thin film. , 2013, , .		4
38	Nanostructured zinc oxide thin film by simple vapor transport deposition. Superlattices and Microstructures, 2015, 85, 379-384.	3.1	4
39	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. IOP Conference Series: Materials Science and Engineering, 2016, 149, 012078.	0.6	4
40	Enhanced biocompatibility of ZnS:Mn quantum dots encapsulated with Aloe vera extract for therapeutic applications. Chinese Physics B, 2016, 25, 088103.	1.4	4
41	Study of nonlinear absorption properties of reduced graphene oxide by Z-scan technique. AIP Conference Proceedings, 2017, , .	0.4	4
42	Green Emitting Cerium Doped CaS Whiskers Grown by Solid State Diffusion Method. Journal of Fluorescence, 2018, 28, 1029-1036.	2.5	4
43	Investigations on the effects of rGO incorporation on the photosensitivity of (Cd:Zn)S nanocrystalline thin film-based visible photodetectors by hydrothermal synthesis. Journal of Materials Science: Materials in Electronics, 2020, 31, 2523-2529.	2.2	4
44	Highly luminescent ZnS:Mn quantum dots capped with aloe vera extract. Solid State Communications, 2021, 323, 114106.	1.9	4
45	White light emitting dysprosium doped CaS nanophosphors synthesized by solid state diffusion method. Materials Chemistry and Physics, 2019, 237, 121843.	4.0	3
46	A study of the structure, luminescence and cytotoxicity of new green-emitting terbium-doped CaS nanophosphors. Journal of Materials Science: Materials in Electronics, 2020, 31, 15896-15906.	2.2	3
47	Metalâ€“semiconductorâ€“metal visible photodetector based on Al-doped (Cd:Zn)S nano thin films by hydrothermal synthesis. Optik, 2021, 241, 166878.	2.9	3
48	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
49	Synthesis of Corrugated Structured N Type Pbs Thin Film. Key Engineering Materials, 0, 500, 118-122.	0.4	2
50	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
51	Controlling the zinc oxide unipolarity through dual acceptor doping for spray-cast homojunction diode. Materials Letters, 2019, 238, 112-115.	2.6	2
52	P type copper doped tin oxide thin films and p-n homojunction diodes based on them. Optical Materials, 2021, 118, 111281.	3.6	2
53	Determination of Absorption Coefficient of a Solution by a Simple Experimental Setup. , 2011, , .		1
54	Effect of NH4Cl flux on the structural and luminescence properties of SrS:Cu,F phosphor. Journal of Optics (India), 2013, 42, 64-66.	1.7	1

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55	Synthesis and characterization of ZnO nanonails. , 2014, , .		1
56	Cerium doped CaS nanophosphor synthesized by solid state reaction method. AIP Conference Proceedings, 2017, , .	0.4	1
57	Transparent and blue emitting Î²-Ga2O3 thin film deposited by spray pyrolysis method. AIP Conference Proceedings, 2019, , .	0.4	1
58	Synthesis and characterization of Cu doped ZnS nanoparticles by wet chemical method. AIP Conference Proceedings, 2019, , .	0.4	1
59	EMISSION WAVELENGTH TUNING OF DYE DOPED POLYMETHYLMETHACRYLATE MICROFIBERS. , 2016, , .		1
60	Tailoring the properties of tin dioxide thin films by spray pyrolysis technique. Optical Materials, 2021, 122, 111653.	3.6	1
61	Effect of source-substrate distance on the transparent electrode properties of spray pyrolysed aluminium doped zinc oxide thin films. Materials Today: Proceedings, 2021, , .	1.8	1
62	Structural and linear optical properties of blue light emitting Sr3Al2O6. AIP Conference Proceedings, 2020, , .	0.4	1
63	Sensitized luminescence of SrS:Dy,Cu,Cl phosphor. Philosophical Magazine, 2011, 91, 3641-3648.	1.6	0
64	Investigation on the Evolution of Structural, Electrical and Transmitting Properties of Aluminium Doped Zinc Oxide Thin Film as a function of substrate temperature. IOP Conference Series: Materials Science and Engineering, 2016, 149, 012077.	0.6	0
65	Nonlinear optical characterization of graphite oxide thin film by open aperture Z-scan technique. AIP Conference Proceedings, 2016, , .	0.4	0
66	PEG capped CaS nanoparticles synthesized by wet chemical co-precipitation method. AIP Conference Proceedings, 2018, , .	0.4	0
67	Z-scan measurement for nonlinear absorption property of rGO/ZnO:Al thin film. AIP Conference Proceedings, 2018, , .	0.4	0
68	Synthesis and characterization of photoconducting (Cd:Zn)S thin films by hydrothermal assisted chemical bath deposition. AIP Conference Proceedings, 2018, , .	0.4	0
69	Tuning the surface morphology of aluminium doped zinc oxide thin films by arrayed nanorods through chemical growth process. AIP Conference Proceedings, 2018, , .	0.4	0
70	Effect of substrate temperature on fluorine doped tin oxide thin films (FTO) by chemical spray pyrolysis method. AIP Conference Proceedings, 2019, , .	0.4	0
71	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
72	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

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73	Excitation induced tunable emission from yellow to red in ZnO:Eu3+, Na+ nanophosphors. Journal of Alloys and Compounds, 2019, 786, 758-763.	5.5	0
74	Formation and photoluminescence of ZnS:Tb nanoparticles stabilized by polyethylene glycol. Materials Today: Proceedings, 2021, 42, 563-566.	1.8	0
75	A comparison of in vitro cytotoxicity of undoped and doped surface modified CaS nanoparticles. Materials Letters, 2022, 311, 131578.	2.6	0
76	Structural, Luminescence and Cytotoxicity Studies of PEG Capped CaS Nanophosphors. IOP Conference Series: Materials Science and Engineering, 2022, 1219, 012029.	0.6	0