M Venkatachalam

List of Publications by Year
in descending order

15	333	1163117 8	1058476 14
papers	citations	h-index	g-index

15	15	15	351
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of annealing on the structural properties of electron beam deposited CIGS thin films. Thin Solid Films, 2008, 516, 6848-6852.	1.8	63
2	Enhanced bactericidal performance of nickel oxide-zinc oxide nanocomposites synthesized by facile chemical co-precipitation method. Journal of Alloys and Compounds, 2020, 830, 154642.	5.5	52
3	Influence of (Cu, Al) doping concentration on the structural, optical and antimicrobial activity of ZnS thin films prepared by Sol-Gel dip coating techniques. Optik, 2019, 182, 774-785.	2.9	48
4	Natural sunlight assisted photocatalytic degradation of methylene blue by spherical zinc oxide nanoparticles prepared by facile chemical co-precipitation method. Optik, 2020, 207, 163865.	2.9	45
5	Morphology dependent photovoltaic performance of zinc oxide-cobalt oxide nanoparticle/nanorod composites synthesized by simple chemical co-precipitation method. Journal of Alloys and Compounds, 2021, 852, 156997.	5.5	30
6	Investigations on electron beam evaporated Cu(In0.85Ga0.15)Se2 thin film solar cells. Solar Energy, 2009, 83, 1652-1655.	6.1	23
7	TiO2 nanofibers decorated with monodispersed WO3 heterostruture sensors for high gas sensing performance towards H2 gas. Inorganic Chemistry Communication, 2021, 129, 108663.	3.9	21
8	Biosynthesis and Characterization of Zinc Sulphide Nanoparticles Using Leaf Extracts of Tridaxprocumbens. Oriental Journal of Chemistry, 2017, 33, 903-909.	0.3	14
9	Significant enhancement in the hydrogen-sensing performance of polypyrrole/titanium oxide (PPy/TiO2) hybrid sensors by a chemical oxidation polymerization approach. Journal of Materials Science: Materials in Electronics, 2020, 31, 8183-8193.	2.2	7
10	Propose of high performance resistive type H2S and CO2 gas sensing response of reduced graphene oxide/titanium oxide (rGO/TiO2) hybrid sensors. Journal of Materials Science: Materials in Electronics, 2020, 31, 3695-3705.	2.2	7
11	rGO encapsulated ZnS photocatalysts for enhanced hydrogen evolution. Materials Letters, 2022, 323, 132534.	2.6	7
12	Investigation of Mn doping concentration on the structural, optical, antimicrobial and dye degradation properties of ZnS thin films. Materials Today: Proceedings, 2021, 43, 3325-3335.	1.8	6
13	Acalypha indica and Curcuma longa plant extracts mediated ZnS nanoparticles. Material Science Research India, 2019, 16, 174-182.	0.7	6
14	Hydrothermal Synthesis of ZnO Hexagonal Nanorod Clusters and Their Optical Properties. , 2011, , .		2
15	Antimicrobial activities of biosynthesized nanomaterials. Comprehensive Analytical Chemistry, 2021, 94, 81-172.	1.3	2