Vishvanath B Ghanwat

List of Publications by Year
in descending order

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27	404	687363 13	752698 20
papers	citations	h-index	g-index

27	27	27	408
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Room temperature deposition of nanostructured Bi2Se3 thin films for photoelectrochemical application: effect of chelating agents. New Journal of Chemistry, 2013, 37, 2821.	2.8	46
2	Novel synthesis of interconnected nanocubic PbS thin films by facile aqueous chemical route. Journal of Materials Science: Materials in Electronics, 2014, 25, 3762-3770.	2.2	42
3	A facile and low cost strategy to synthesize Cd_{1â^'x}Zn_xSe thin films for photoelectrochemical performance: effect of zinc content. RSC Advances, 2015, 5, 55658-55668.	3.6	33
4	Effect of substrate on the nanostructured Bi2Se3 thin films for solar cell applications. Journal of Materials Science: Materials in Electronics, 2016, 27, 2385-2393.	2.2	33
5	Efficient improvement of photoelectrochemical performance of CdSe thin film deposited via arrested precipitation technique. Materials Letters, 2016, 164, 52-55.	2.6	30
6	Microwave assisted synthesis, characterization and thermoelectric properties of nanocrystalline copper antimony selenide thin films. RSC Advances, 2014, 4, 51632-51639.	3.6	28
7	Synthesis of SnS2 thin film via non vacuum arrested precipitation technique for solar cell application. Materials Letters, 2016, 180, 23-26.	2.6	25
8	Thermoelectric Properties of Indium(III)â€Doped Copper Antimony Selenide Thin Films Deposited Using a Microwaveâ€Assisted Technique. Energy Technology, 2016, 4, 835-842.	3.8	23
9	Thermoelectric properties of nanocrystalline Cu3SbSe4 thin films deposited by a self-organized arrested precipitation technique. New Journal of Chemistry, 2015, 39, 5661-5668.	2.8	21
10	Photocurrent enhancement in a Cu₂Cd(SSe)₂ photoanode synthesized via an arrested precipitation route. New Journal of Chemistry, 2016, 40, 3277-3288.	2.8	21
11	Surfactant mediated synthesis of bismuth selenide thin films for photoelectrochemical solar cell applications. Journal of Colloid and Interface Science, 2018, 514, 250-261.	9.4	18
12	Influence of deposition temperature on the optical, structural, morphological, compositional and photoelectrochemical properties of TiO2 thin films. Journal of Materials Science: Materials in Electronics, 2016, 27, 11739-11750.	2.2	14
13	Novel catalytic application of Ni@ZnO nanoparticles and ZnO nanoflakes in aqueous solution of NaPTS hydrotrope at room temperature via a green synthesis of 3,4-dihydropyrimidin-2(1H)-ones. Research on Chemical Intermediates, 2018, 44, 3097-3113.	2.7	13
14	Enhancement in thermoelectric performance of Cu3SbSe4 thin films by In(III) doping; synthesized by arrested precipitation technique. Journal of Materials Science: Materials in Electronics, 2018, 29, 8793-8800.	2.2	10
15	Synthesis of (CdZn)Se thin films by a facile aqueous phase route and their photoelectrochemical performance for solar cell application. Journal of Materials Science: Materials in Electronics, 2016, 27, 5867-5877.	2.2	7
16	A robust and self-assembled route to synthesis of CdZn(Se1â^'xTex)2 photoanodes as light harvesters for photoelectrochemical solar cells. Journal of Materials Science: Materials in Electronics, 2018, 29, 11763-11773.	2.2	7
17	Novel synthetic route for the synthesis of ternary Cd(SSe) photoelectrode and their photoelectrochemical application. Journal of Materials Science: Materials in Electronics, 2017, 28, 2984-2995.	2.2	6
18	Synthesis of Bismuth Telluride Thin Film for Thermoelectric Application Via Electrodeposition Technique. Macromolecular Symposia, 2016, 361, 152-155.	0.7	5

#	Article	IF	Citations
19	Microwave assisted novel MoBi2S5 nanoflowers: Synthesis, characterization, photoelectrochemical performance. Solid State Sciences, 2016, 61, 89-93.	3.2	5
20	Synthesis of tin sulphide thin film by simple arrested precipitation technique for solar cell application. AIP Conference Proceedings, 2018, , .	0.4	5
21	Photoelectrochemical Performance of MoBiInSe5 Mixed Metal Chalcogenide Thin Films. Materials Today: Proceedings, 2015, 2, 1458-1463.	1.8	4
22	Rapid Formation of Ternary CdZnSe₂ Chalcogenide Thin Film by Microwave Assisted Chemical Bath Deposition. Macromolecular Symposia, 2016, 362, 60-64.	0.7	3
23	Photoelectrochemical performance of MoBiGaSe5 thin films deposited by vacuum deposition technique. Journal of Materials Science: Materials in Electronics, 2019, 30, 17612-17622.	2.2	3
24	Low temperature simple aqueous phase chemical synthesis and characterization of ZnO thin films. Materials Today: Proceedings, 2017, 4, 119-125.	1.8	2
25	Development of CdZn(SSe) 2 thin films by using simple aqueous chemical route: Air annealing. Materials Today: Proceedings, 2017, 4, 363-368.	1.8	0
26	Synthesis, characterization and application of nanocrystalline CdZn(SeTe)2 thin films for energy application. AIP Conference Proceedings, 2018, , .	0.4	0
27	Photoelectrochemical (PEC) Investigation of Gaâ€Ðoped MoBi 2 Se 5 Thin Films Deposited by Arrested Precipitation Technique. Macromolecular Symposia, 2020, 393, 1900210.	0.7	0