

Vishvanath B Ghanwat

List of Publications by Year in descending order

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27
papers

404
citations

687363

13
h-index

752698

20
g-index

27
all docs

27
docs citations

27
times ranked

408
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoelectrochemical (PEC) Investigation of Ga-Doped MoBi ₂ Se ₅ Thin Films Deposited by Arrested Precipitation Technique. <i>Macromolecular Symposia</i> , 2020, 393, 1900210.	0.7	0
2	Photoelectrochemical performance of MoBiGaSe ₅ thin films deposited by vacuum deposition technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 17612-17622.	2.2	3
3	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. <i>Research on Chemical Intermediates</i> , 2018, 44, 3097-3113.	2.7	13
4	Enhancement in thermoelectric performance of Cu ₃ SbSe ₄ thin films by In(III) doping; synthesized by arrested precipitation technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 8793-8800.	2.2	10
5	Surfactant mediated synthesis of bismuth selenide thin films for photoelectrochemical solar cell applications. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 250-261.	9.4	18
6	Synthesis of tin sulphide thin film by simple arrested precipitation technique for solar cell application. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	5
7	A robust and self-assembled route to synthesis of CdZn(Se _{1-x} Te _x) ₂ photoanodes as light harvesters for photoelectrochemical solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 11763-11773.	2.2	7
8	Synthesis, characterization and application of nanocrystalline CdZn(SeTe) ₂ thin films for energy application. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
9	Low temperature simple aqueous phase chemical synthesis and characterization of ZnO thin films. <i>Materials Today: Proceedings</i> , 2017, 4, 119-125.	1.8	2
10	Development of CdZn(SSe) ₂ thin films by using simple aqueous chemical route: Air annealing. <i>Materials Today: Proceedings</i> , 2017, 4, 363-368.	1.8	0
11	Novel synthetic route for the synthesis of ternary Cd(SSe) photoelectrode and their photoelectrochemical application. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 2984-2995.	2.2	6
12	Influence of deposition temperature on the optical, structural, morphological, compositional and photoelectrochemical properties of TiO ₂ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 11739-11750.	2.2	14
13	Synthesis of Bismuth Telluride Thin Film for Thermoelectric Application Via Electrodeposition Technique. <i>Macromolecular Symposia</i> , 2016, 361, 152-155.	0.7	5
14	Thermoelectric Properties of Indium(III)-Doped Copper Antimony Selenide Thin Films Deposited Using a Microwave-Assisted Technique. <i>Energy Technology</i> , 2016, 4, 835-842.	3.8	23
15	Photocurrent enhancement in a Cu ₂ Cd(SSe) ₂ photoanode synthesized via an arrested precipitation route. <i>New Journal of Chemistry</i> , 2016, 40, 3277-3288.	2.8	21
16	Synthesis of SnS ₂ thin film via non vacuum arrested precipitation technique for solar cell application. <i>Materials Letters</i> , 2016, 180, 23-26.	2.6	25
17	Microwave assisted novel MoBi ₂ S ₅ nanoflowers: Synthesis, characterization, photoelectrochemical performance. <i>Solid State Sciences</i> , 2016, 61, 89-93.	3.2	5
18	Rapid Formation of Ternary CdZnSe ₂ Chalcogenide Thin Film by Microwave Assisted Chemical Bath Deposition. <i>Macromolecular Symposia</i> , 2016, 362, 60-64.	0.7	3

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19	Effect of substrate on the nanostructured Bi ₂ Se ₃ thin films for solar cell applications. Journal of Materials Science: Materials in Electronics, 2016, 27, 2385-2393.	2.2	33
20	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
21	Efficient improvement of photoelectrochemical performance of CdSe thin film deposited via arrested precipitation technique. Materials Letters, 2016, 164, 52-55.	2.6	30
22	Thermoelectric properties of nanocrystalline Cu ₃ SbSe ₄ thin films deposited by a self-organized arrested precipitation technique. New Journal of Chemistry, 2015, 39, 5661-5668.	2.8	21
23	A facile and low cost strategy to synthesize Cd _{1-x} Zn _x Se thin films for photoelectrochemical performance: effect of zinc content. RSC Advances, 2015, 5, 55658-55668.	3.6	33
24	Photoelectrochemical Performance of MoBiInSe ₅ Mixed Metal Chalcogenide Thin Films. Materials Today: Proceedings, 2015, 2, 1458-1463.	1.8	4
25	Microwave assisted synthesis, characterization and thermoelectric properties of nanocrystalline copper antimony selenide thin films. RSC Advances, 2014, 4, 51632-51639.	3.6	28
26	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
27	Room temperature deposition of nanostructured Bi ₂ Se ₃ thin films for photoelectrochemical application: effect of chelating agents. New Journal of Chemistry, 2013, 37, 2821.	2.8	46