

Prashant R Ghediya

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19
papers

140
citations

6
h-index

11
g-index

19
ext. papers

169
ext. citations

2.8
avg, IF

3.29
L-index

#	Paper	IF	Citations
19	Electrical conduction of CZTS films in dark and under light from molecular solution ink. <i>Journal of Alloys and Compounds</i> , 2016 , 685, 498-506	5.7	36
18	Dark and photo-conductivity of doctor-bladed CZTS films above room temperature. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 455109	3	27
17	Doctor-blade printing of Cu ₂ ZnSnS ₄ films from microwave-processed ink. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 1908-1912	2.1	16
16	Direct-coated Cu ₂ SnS ₃ films from molecular solution inks for solar photovoltaics. <i>Materials Science in Semiconductor Processing</i> , 2018 , 88, 120-126	4.3	14
15	Dip-coated Cu ₂ CoSnS ₄ thin films from molecular ink for solar photovoltaics. <i>Materials Research Express</i> , 2018 , 5, 085509	1.7	11
14	Kesterite Cu ₂ ZnSnS ₄ thin films by drop-on-demand inkjet printing from molecular ink. <i>Journal of Alloys and Compounds</i> , 2018 , 747, 31-37	5.7	7
13	Electrical transport properties of dip-coated nanocrystalline Cu ₂ ZnSnS ₄ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 658-666	2.1	6
12	Preparation and characterization of chemically deposited nickel sulphide film and its application as a potential counter electrode. <i>Materials Research Express</i> , 2016 , 3, 075906	1.7	5
11	Effect of solvents on physical properties of direct-coated Cu ₂ CoSnS ₄ films. <i>Materials Research Express</i> , 2019 , 6, 106419	1.7	4
10	Synthesis and characterizations of copper cadmium sulphide (CuCdS ₂) as potential absorber for thin film photovoltaics. <i>Materials Chemistry and Physics</i> , 2020 , 252, 123382	4.4	3
9	Microwave-Processed Copper Zinc Tin Sulphide (CZTS) Inks for Coatings in Solar Cells 2018 , 121-174		3
8	Effect of light on hopping conduction in kesterite CZTS thin films 2016 ,		3
7	Electrical properties of CZTS pellets made from microwave-processed powder 2015 ,		2
6	Dark and photoconductivity of PbS/polystyrene nanocomposite films from 77 to 300 K. <i>Surfaces and Interfaces</i> , 2020 , 20, 100580	4.1	1
5	Electrical Properties of Compact Drop-Casted Cu ₂ SnS ₃ Films. <i>Journal of Electronic Materials</i> , 2020 , 49, 6403-6409	1.9	1
4	Temperature dependence electrical conduction of solution-processed CZTS films in dark and under light. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 149, 012162	0.4	1
3	Electrical properties of Ag/p-Cu ₂ NiSnS ₄ thin film Schottky diode. <i>Materials Today Communications</i> , 2021 , 28, 102697	2.5	0

- 2 Effect of Microstructure on Electrical Properties of Cu₂ZnSnS₄ Films Deposited from Inks. *Springer Proceedings in Physics*, **2019**, 497-502 0.2
- 1 Direct-ink coating techniques for Cu-based multicomponent semiconductor films. *Materials Science in Semiconductor Processing*, **2021**, 127, 105688 4.3