Prashant R Ghediya

List of Publications by Year in Descending Order

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	Direct-ink coating techniques for Cu-based multicomponent semiconductor films. *Materials Science in Semiconductor Processing*, **2021**, 127, 105688	4.3	
18	Electrical properties of Ag/p-Cu2NiSnS4 thin film Schottky diode. *Materials Today Communications*, **2021**, 28, 102697	2.5	0
17	Dark and photoconductivity of PbS/polystyrene nanocomposite films from 77 to 300 K. *Surfaces and Interfaces*, **2020**, 20, 100580	4.1	1
16	Synthesis and characterizations of copper cadmium sulphide (CuCdS2) as potential absorber for thin film photovoltaics. *Materials Chemistry and Physics*, **2020**, 252, 123382	4.4	3
15	Electrical transport properties of dip-coated nanocrystalline Cu2ZnSnS4 thin films. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 658-666	2.1	6
14	Electrical Properties of Compact Drop-Casted Cu2SnS3 Films. *Journal of Electronic Materials*, **2020**, 49, 6403-6409	1.9	1
13	Effect of Microstructure on Electrical Properties of Cu2ZnSnS4 Films Deposited from Inks. *Springer Proceedings in Physics*, **2019**, 497-502	0.2	
12	Effect of solvents on physical properties of direct-coated Cu2CoSnS4 films. *Materials Research Express*, **2019**, 6, 106419	1.7	4
11	Kesterite Cu2ZnSnS4 thin films by drop-on-demand inkjet printing from molecular ink. *Journal of Alloys and Compounds*, **2018**, 747, 31-37	5.7	7
10	Dip-coated Cu2CoSnS4 thin films from molecular ink for solar photovoltaics. *Materials Research Express*, **2018**, 5, 085509	1.7	11
9	Direct-coated Cu2SnS3 films from molecular solution inks for solar photovoltaics. *Materials Science in Semiconductor Processing*, **2018**, 88, 120-126	4.3	14
8	Microwave-Processed Copper Zinc Tin Sulphide (CZTS) Inks for Coatings in Solar Cells **2018**, 121-174		3
7	Preparation and characterization of chemically deposited nickel sulphide film and its application as a potential counter electrode. *Materials Research Express*, **2016**, 3, 075906	1.7	5
6	Temperature dependence electrical conduction of solution-processed CZTS films in dark and under light. *IOP Conference Series: Materials Science and Engineering*, **2016**, 149, 012162	0.4	1
5	Effect of light on hopping conduction in kesterite CZTS thin films **2016**,		3
4	Electrical conduction of CZTS films in dark and under light from molecular solution ink. *Journal of Alloys and Compounds*, **2016**, 685, 498-506	5.7	36
3	Doctor-blade printing of Cu2ZnSnS4 films from microwave-processed ink. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 1908-1912	2.1	16

2	Electrical properties of CZTS pellets made from microwave-processed powder **2015**,		2
1	Dark and photo-conductivity of doctor-bladed CZTS films above room temperature. *Journal Physics D: Applied Physics*, **2015**, 48, 455109	3	27