

Prashant R Ghediya

List of Publications by Year in descending order

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19
papers

201
citations

1162367

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19
docs citations

19
times ranked

212
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical conduction of CZTS films in dark and under light from molecular solution ink. Journal of Alloys and Compounds, 2016, 685, 498-506.	2.8	44
2	Dark and photo-conductivity of doctor-bladed CZTS films above room temperature. Journal Physics D: Applied Physics, 2015, 48, 455109.	1.3	32
3	Doctor-blade printing of Cu ₂ ZnSnS ₄ films from microwave-processed ink. Journal of Materials Science: Materials in Electronics, 2015, 26, 1908-1912.	1.1	21
4	Dip-coated Cu ₂ CoSnS ₄ thin films from molecular ink for solar photovoltaics. Materials Research Express, 2018, 5, 085509.	0.8	19
5	Direct-coated Cu ₂ SnS ₃ films from molecular solution inks for solar photovoltaics. Materials Science in Semiconductor Processing, 2018, 88, 120-126.	1.9	18
6	Electrical transport properties of dip-coated nanocrystalline Cu ₂ ZnSnS ₄ thin films. Journal of Materials Science: Materials in Electronics, 2020, 31, 658-666.	1.1	13
7	Kesterite Cu ₂ ZnSnS ₄ thin films by drop-on-demand inkjet printing from molecular ink. Journal of Alloys and Compounds, 2018, 747, 31-37.	2.8	12
8	Effect of solvents on physical properties of direct-coated Cu ₂ CoSnS ₄ films. Materials Research Express, 2019, 6, 106419.	0.8	8
9	Electrical properties of Ag/p-Cu ₂ NiSnS ₄ thin film Schottky diode. Materials Today Communications, 2021, 28, 102697.	0.9	8
10	Synthesis and characterizations of copper cadmium sulphide (CuCdS ₂) as potential absorber for thin film photovoltaics. Materials Chemistry and Physics, 2020, 252, 123382.	2.0	7
11	Preparation and characterization of chemically deposited nickel sulphide film and its application as a potential counter electrode. Materials Research Express, 2016, 3, 075906.	0.8	6
12	Microwave-Processed Copper Zinc Tin Sulphide (CZTS) Inks for Coatings in Solar Cells. , 2018, , 121-174.		4
13	Effect of light on hopping conduction in kesterite CZTS thin films. AIP Conference Proceedings, 2016, , .	0.3	3
14	Electrical properties of CZTS pellets made from microwave-processed powder. AIP Conference Proceedings, 2015, , .	0.3	2
15	Dark and photoconductivity of PbS/polystyrene nanocomposite films from 77 to 300 K. Surfaces and Interfaces, 2020, 20, 100580.	1.5	2
16	Temperature dependence electrical conduction of solution-processed CZTS films in dark and under light. IOP Conference Series: Materials Science and Engineering, 2016, 149, 012162.	0.3	1
17	Electrical Properties of Compact Drop-Casted Cu ₂ SnS ₃ Films. Journal of Electronic Materials, 2020, 49, 6403-6409.	1.0	1
18	Effect of Microstructure on Electrical Properties of Cu ₂ ZnSnS ₄ Films Deposited from Inks. Springer Proceedings in Physics, 2019, , 497-502.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Direct-ink coating techniques for Cu-based multicomponent semiconductor films. Materials Science in Semiconductor Processing, 2021, 127, 105688.	1.9	0