

Kshitij Bhargava

List of Publications by Year in descending order

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33
papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical simulations of potential-induced degradation. , 2022, , 85-108.		0
2	Thin-film photovoltaics. , 2022, , 19-37.		1
3	Performance-limiting issues in TFPVs. , 2022, , 39-57.		0
4	Yield increase through soiling prevention. , 2022, , 59-72.		0
5	PID for multicrystalline soiled panels: a forecasting-based approach. , 2022, , 109-132.		0
6	Optimization of on-site PID detection methods. , 2022, , 133-149.		0
7	Introduction to photovoltaics. , 2022, , 1-18.		0
8	Numerical simulation of NFA organic solar cells with C ₆₀ and NiO as charge transport layers. , 2022, , .		0
9	Efficiency and Reproducibility Enhancement in Perovskite Solar Cell With MoS ₂ , as Electron Transport Layer: A Computational Finding. IEEE Transactions on Electron Devices, 2022, 69, 4349-4354.	3.0	2
10	Fundamental analysis of lead-free CsGeI ₃ perovskite solar cell. Materials Today: Proceedings, 2022, 67, 180-186.	1.8	5
11	Reduced contact resistance in organic field-effect transistors fabricated using floating film transfer method. Journal of Materials Science: Materials in Electronics, 2020, 31, 15277-15285.	2.2	4
12	Comparative investigation into effects of the interplay between absorber layer crystallinity and interfacial defect states on the performance of lead-based and tin-based perovskite solar cells. Semiconductor Science and Technology, 2020, 35, 105007.	2.0	13
13	Comparative analysis of metal diffusion effects in polymer films coated with spin coating and floating film transfer techniques. Synthetic Metals, 2020, 264, 116378.	3.9	0
14	Investigation on the Relative Influence of Absorber Layer Defect States Over Performance of Pb-Based and Sn-Based Perovskite Solar Cells. Smart Innovation, Systems and Technologies, 2020, , 109-118.	0.6	1
15	Effect of concentration of DH6T on the performance of photoconductor fabricated using blends of P3HT and DH6T. Optical Materials, 2019, 89, 214-223.	3.6	1
16	Numerical simulation of potential induced degradation (PID) in different thin-film solar cells using SCAPS-1D. Solar Energy, 2019, 188, 353-360.	6.1	38
17	Numerical Comparison of Defect-Induced Performance Degradation in CZTS and CZTSSe Solar Cells. Advances in Intelligent Systems and Computing, 2019, , 493-500.	0.6	0
18	Spectroscopic Characterization of Metal-Polymer Interface for Electronic Applications. Springer Proceedings in Physics, 2019, , 125-131.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Exploring the Utility of Graphene as Window Layer Towards Efficiency Improvement in CIGS Solar Cells Using Numerical Simulations. , 2018, , .		1
20	Methods for Calculating the Transformer Hot-Spot Temperature and Lifetime Prediction. , 2018, , .		3
21	Analysis of Grading Induced Bandgap Variability and Defect States on Performance of CIGS Solar Cells Through Device Simulations. , 2018, , .		2
22	Theoretical Investigation of the Influence of Defect States on the Power Conversion Efficiency of CZTSSe Solar Cells. , 2018, , .		0
23	Integration of Distributed Generator for Frequency Regulation and Loss Compensation Ancillary Services. , 2018, , .		1
24	All organic near ultraviolet photodetectors based on bulk hetero-junction of P3HT and DH6T. Semiconductor Science and Technology, 2018, 33, 095021.	2.0	7
25	Laterally grown show better performance: ZnO nanorods network based field effect transistors. Journal of Materials Science: Materials in Electronics, 2017, 28, 11202-11208.	2.2	3
26	Comparative analysis of contact resistance and photoresponse in poly(3-hexylthiophene) and poly(3-octylthiophene) based organic field-effect transistors. Synthetic Metals, 2017, 233, 15-21.	3.9	13
27	Investigating the Influence of Alkyl Chain Length in Poly(3-alkylthiophene)s Over the Thin Film Morphology by Optical and Electrical Characterization. Journal of Nanoscience and Nanotechnology, 2016, 16, 3241-3247.	0.9	2
28	Hydrothermally Processed Photosensitive Field-Effect Transistor Based on ZnO Nanorod Networks. Journal of Electronic Materials, 2016, 45, 5606-5611.	2.2	7
29	High-sensitivity organic phototransistors prepared by floating film transfer method. Applied Physics Express, 2016, 9, 091601.	2.4	25
30	Investigation of Gold and Poly(3-Alkylthiophene) interface in top and bottom contact structures. Synthetic Metals, 2016, 211, 49-57.	3.9	16
31	Two Dimensional Optoelectronic Simulation Based Comparison of Top and Bottom Contact Organic Phototransistors. Journal of Nanoscience and Nanotechnology, 2015, 15, 9414-9422.	0.9	16
32	Electrical characterization and parameter extraction of organic thin film transistors using two dimensional numerical simulations. Journal of Computational Electronics, 2014, 13, 585-592.	2.5	25
33	Enhanced efficiency, durability and reproducibility of nonâ€fullerene acceptor organic solar cell with <sc>NiO</sc> as hole transport material: A computational study. International Journal of Energy Research, 0, , .	4.5	0