Fadhil K Alfadhili

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11417809/publications.pdf

Version: 2024-02-01

18	303	933447 10	996975 15
papers	citations	h-index	g-index

18	18	18	178
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reduced Recombination and Improved Performance of CdSe/CdTe Solar Cells due to Cu Migration Induced by Light Soaking. ACS Applied Materials & Interfaces, 2022, 14, 19644-19651.	8.0	12
2	Enabling bifacial thin film devices by developing a back surface field using CuxAlOy. Nano Energy, 2021, 83, 105827.	16.0	32
3	Successive Ionic Layer Adsorption and Reactionâ€Deposited Transparent Cuâ€“Znâ€“S Nanocomposites as Hole Transport Materials in CdTe Photovoltaics. Energy Technology, 2020, 8, 2000429.	3.8	3
4	Back-Surface Passivation of CdTe Solar Cells Using Solution-Processed Oxidized Aluminum. ACS Applied Materials & Interfaces, 2020, 12, 51337-51343.	8.0	15
5	CuSCN as the Back Contact for Efficient ZMO/CdTe Solar Cells. Materials, 2020, 13, 1991.	2.9	13
6	Understanding and Advancing Bifacial Thin Film Solar Cells. ACS Applied Energy Materials, 2020, 3, 6072-6078.	5.1	31
7	Very high V_{OC} and FF of CdTe thinâ€film solar cells with the applications of organoâ€metallic halide perovskite thin film as a hole transport layer. Progress in Photovoltaics: Research and Applications, 2020, 28, 1024-1033.	8.1	8
8	The Role of Back Buffer Layers and Absorber Properties for >25% Efficient CdTe Solar Cells. ACS Applied Energy Materials, 2019, 2, 5419-5426.	5.1	66
9	Room Temperature Processed Transparent Cu-Zn-S Nanocomposites as Hole Transport Materials in CdTe Photovoltaics. , 2019, , .		4
10	Wet chemical etching of cadmium telluride photovoltaics for enhanced open-circuit voltage, fill factor, and power conversion efficiency. Journal of Materials Research, 2019, 34, 3988-3997.	2.6	11
11	The Effects of Hydrogen Iodide Back Surface Treatment on CdTe Solar Cells. Solar Rrl, 2019, 3, 1800304.	5.8	29
12	Controlling Band Alignment at the Back Interface of Cadmium Telluride Solar Cells using ZnTe and Te Buffer Layers. MRS Advances, 2019, 4, 913-919.	0.9	15
13	Numerical Modelling of Front Contact Alignment for High Efficiency Cd1-xZnxTe and Cd1-xMgxTe Solar Cells for Tandem Devices. MRS Advances, 2018, 3, 3121-3128.	0.9	3
14	Development of CdCl2 Activation to Minimize Zn Loss from Sputtered Cd1-xZnxTe Thin Films for Use in Tandem Solar Cells. MRS Advances, 2018, 3, 3129-3134.	0.9	7
15	Selective Cd Removal From CdTe for High-Efficiency Te Back-Contact Formation. IEEE Journal of Photovoltaics, 2018, 8, 1125-1131.	2.5	24
16	Thin film iron pyrite deposited by hybrid sputtering/co-evaporation as a hole transport layer for sputtered CdS/CdTe solar cells. Solar Energy Materials and Solar Cells, 2017, 163, 277-284.	6.2	26
17	Novel, Facile Back Surface Treatment for CdTe Solar Cells. , 2017, , .		2
18	Use of Single Wall Carbon Nanotube films doped with Triethyloxonium Hexachlorantimonate as a Transparent Back Contact for CdTe Solar Cells. , 2017, , .		2