

Yaser Abdulraheem

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

108
citations

1478505
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1588992
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all docs

8
docs citations

8
times ranked

167
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Silicon Heterojunction and TCO Barriers on the Operation of Silicon Heterojunction Solar Cells: Comparison between Theory and Experiment. International Journal of Photoenergy, 2021, 2021, 1-12.	2.5	3
2	Electro-Physical Interpretation of the Degradation of the Fill Factor of Silicon Heterojunction Solar Cells Due to Incomplete Hole Collection at the a-Si:H/c-Si Thermionic Emission Barrier. Applied Sciences (Switzerland), 2018, 8, 1846.	2.5	6
3	Fundamental constraints imposed by energy barriers on the fill factor and on the efficiency of silicon heterojunction solar cells. Solar Energy Materials and Solar Cells, 2017, 171, 228-238.	6.2	8
4	Thin Epitaxial Silicon Foils Using Porous-Silicon-Based Lift-Off for Photovoltaic Application. MRS Advances, 2016, 1, 3235-3246.	0.9	7
5	Interpretation of the degradation of silicon HIT solar cells due to inadequate front contact TCO work function. Solar Energy Materials and Solar Cells, 2016, 145, 423-431.	6.2	24
6	Ultra high amorphous silicon passivation quality of crystalline silicon surface using in-situ post-deposition treatments. Physica Status Solidi - Rapid Research Letters, 2015, 9, 53-56.	2.4	15
7	On the possible role of the interfacial inversion layer in the improvement of the performance of hydrogenated amorphous silicon/crystalline silicon heterojunction solar cells [HIT]. Solar Energy Materials and Solar Cells, 2015, 132, 320-328.	6.2	28
8	Morphology, electrical, and optical properties of heavily doped ZnTe:Cu thin films. Journal of Applied Physics, 2013, 114, .	2.5	17