

# Yaser Abdulraheem

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8914249/publications.pdf>

Version: 2024-02-01

8  
papers

108  
citations

1478505

6  
h-index

1588992

8  
g-index

8  
all docs

8  
docs citations

8  
times ranked

167  
citing authors

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