

# Michael Richter

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1064697/publications.pdf>

Version: 2024-02-01

10  
papers

69  
citations

1684188

5  
h-index

1588992

8  
g-index

10  
all docs

10  
docs citations

10  
times ranked

126  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive simulation model for Cu(In,Ga)(Se,S) <sub>2</sub> solar cells. Solar Energy Materials and Solar Cells, 2015, 132, 162-171.	6.2	27
2	A simulation study on the impact of band gap profile variations and secondary barriers on the temperature behavior, performance ratio, and energy yield of Cu(In,Ga)(Se,S) <sub>2</sub> solar cells. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 336-347.	1.8	9
3	Visualizing the performance loss of solar cells by IR thermography – an evaluation study on CIGS with artificially induced defects. Progress in Photovoltaics: Research and Applications, 2016, 24, 1001-1008.	8.1	9
4	Simulation study of the impact of interface roughness and void inclusions on Cu(In,Ga)(Se,S) <sub>2</sub> solar cells. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 298-306.	1.8	7
5	Performance ratio study based on a device simulation of a 2D monolithic interconnected Cu(In,Ga)(Se,S) <sub>2</sub> solar cell. Solar Energy Materials and Solar Cells, 2016, 157, 146-153.	6.2	5
6	Electrical and optical analysis of In <sub>x</sub> Sy:Na thin-films with varied sodium concentration as buffer layer in Cu(In,Ga)(S,Se) <sub>2</sub> solar cells. Thin Solid Films, 2017, 633, 243-247.	1.8	5
7	Assessing the band alignment in high efficiency Cu(In,Ga)(Se,S) <sub>2</sub> (CIGSSe) solar cells with an In <sub>x</sub> Sy:Na buffer based on temperature dependent measurements and simulations. Journal of Applied Physics, 2018, 123, .	2.5	4
8	Anomalous temperature dependence of the open-circuit voltage of In <sub>x</sub> Sy-buffered Cu(In,Ga)(Se,S) solar cells simulated in broad temperature range. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 1276-1283.	1.8	2
9	Identifying dominant recombination locations in double-graded Cu(In <sub>x</sub> Ga <sub>1-x</sub> ) <sub>2</sub> solar cells at different light intensities. Progress in Photovoltaics: Research and Applications, 0, , .	8.1	1
10	Impact of the Buffer/Absorber Interface on the Metastability of Fill Factor Temperature Coefficients in CIGSSe Solar Cells. Advanced Materials Interfaces, 2021, 8, 2100778.	3.7	0