Michael Richter

List of Publications by Year
in descending order

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	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
2	Accessing the band alignment in high efficiency Cu(In,Ga)(Se,S)2 (CIGSSe) solar cells with an InxSy:Na buffer based on temperature dependent measurements and simulations. Journal of Applied Physics, 2018, 123, .	2.5	4
3	Electrical and optical analysis of InxSy:Na thin-films with varied sodium concentration as buffer layer in Cu(In,Ga)(S,Se)2 solar cells. Thin Solid Films, 2017, 633, 243-247.	1.8	5
4	Anomalous temperature dependence of the openâ€circuit voltage of InSâ€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
5	Performance ratio study based on a device simulation of a 2D monolithic interconnected Cu(In,Ga)(Se,S)2 solar cell. Solar Energy Materials and Solar Cells, 2016, 157, 146-153.	6.2	5
6	Visualizing the performance loss of solar cells by IR thermography â€" an evaluation study on CIGS with artificially induced defects. Progress in Photovoltaics: Research and Applications, 2016, 24, 1001-1008.	8.1	9
7	Simulation study of the impact of interface roughness and void inclusions on Cu(In,Ga)(Se,S)₂ solar cells. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 298-306.	1.8	7
8	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)₂solar cells. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 336-347.	1.8	9
9	Comprehensive simulation model for Cu(In,Ga)(Se,S)2 solar cells. Solar Energy Materials and Solar Cells, 2015, 132, 162-171.	6.2	27
10	Identifying dominant recombination locations in doubleâ€graded Cu(In _{1â€x} Ga _x) Tj ETQq0 0 0 rgBT /Overloc different light intensities. Progress in Photovoltaics: Research and Applications, 0, , .	8.1	1