Michael Rauer

List of Publications by Year
in descending order

10	274	933447 10	1372567 10
papers	citations	h-index	g-index

10	10	10	256
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microstructural and electrical properties of different-sized aluminum-alloyed contacts and their layer system on silicon surfaces. Solar Energy Materials and Solar Cells, 2011, 95, 2151-2160.	6.2	53
2	Aluminum Alloying in Local Contact Areas on Dielectrically Passivated Rear Surfaces of Silicon Solar Cells. IEEE Electron Device Letters, 2011, 32, 916-918.	3.9	51
3	Manufacturing 100-Âµm-thick silicon solar cells with efficiencies greater than 20% in a pilot production line. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 13-24.	1.8	44
4	Alloying From Screen-Printed Aluminum Pastes Containing Boron Additives. IEEE Journal of Photovoltaics, 2013, 3, 206-211.	2.5	34
5	Investigation of Aluminum-Alloyed Local Contacts for Rear Surface-Passivated Silicon Solar Cells. IEEE Journal of Photovoltaics, 2011, 1, 22-28.	2.5	27
6	Effectively surfaceâ€passivated aluminiumâ€doped p⁺ emitters for nâ€type silicon solar cells. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 1249-1251.	1.8	15
7	Efficiency Potential of n-Type Silicon Solar Cells With Aluminum-Doped Rear p^{+} Emitter. IEEE Transactions on Electron Devices, 2012, 59, 1295-1303.	3.0	15
8	Further analysis of aluminum alloying for the formation of p+ regions in silicon solar cells. Energy Procedia, 2011, 8, 200-206.	1.8	13
9	Quantitative theoretical and experimental analysis of alloying from screen-printed aluminum pastes on silicon surfaces. Solar Energy Materials and Solar Cells, 2018, 176, 295-301.	6.2	12
10	Theoretical and experimental investigation of aluminum-boron codoping of silicon. Progress in Photovoltaics: Research and Applications, 2016, 24, 219-228.	8.1	10