Nils Folchert

List of Publications by Year
in descending order

9 papers	371 citations	1307594 7 h-index	1474206 9 g-index
9 all docs	9 docs citations	9 times ranked	412 citing authors

#	Article	IF	Citations
1	Towards 28 %-efficient Si single-junction solar cells with better passivating POLO junctions and photonic crystals. Solar Energy Materials and Solar Cells, 2022, 238, 111560.	6.2	10
2	Contacting a single nanometerâ€sized pinhole in the interfacial oxide of a polyâ€silicon on oxide (POLO) solar cell junction. Progress in Photovoltaics: Research and Applications, 2021, 29, 936-942.	8.1	5
3	Changes in hydrogen concentration and defect state density at the poly-Si/SiOx/c-Si interface due to firing. Solar Energy Materials and Solar Cells, 2021, 231, 111297.	6.2	19
4	Extended Cox & Strack analysis for the contact resistance of planar samples with carrier-selective junctions on both sides. Solar Energy Materials and Solar Cells, 2021, 231, 111304.	6.2	2
5	Modeling recombination and contact resistance of polyâ€Si junctions. Progress in Photovoltaics: Research and Applications, 2020, 28, 1289-1307.	8.1	20
6	Separating the two polarities of the POLO contacts of an 26.1%-efficient IBC solar cell. Scientific Reports, 2020, 10, 658.	3.3	66
7	Detailed Analysis and Understanding of the Transport Mechanism of Poly-Si-Based Carrier Selective Junctions. IEEE Journal of Photovoltaics, 2019, 9, 1575-1582.	2.5	18
8	Temperature-dependent contact resistance of carrier selective Poly-Si on oxide junctions. Solar Energy Materials and Solar Cells, 2018, 185, 425-430.	6.2	54
9	Working principle of carrier selective poly-Si/c-Si junctions: Is tunnelling the whole story?. Solar Energy Materials and Solar Cells, 2016, 158, 60-67.	6.2	177