David Sperber

List of Publications by Year
in descending order

14	315	840776 11	1125743 13
papers	citations	h-index	g-index

14	14	14	254
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Degradation of Surface Passivation on Crystalline Silicon and Its Impact on Light-Induced Degradation Experiments. IEEE Journal of Photovoltaics, 2017, 7, 1627-1634.	2.5	57
2	Temperature and Light-Induced Changes in Bulk and Passivation Quality of Boron-Doped Float-Zone Silicon Coated With SiNx:H. IEEE Journal of Photovoltaics, 2017, 7, 463-470.	2.5	54
3	A 3-state defect model for light-induced degradation in boron-doped float-zone silicon. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1600408.	2.4	37
4	Instability of Dielectric Surface Passivation Quality at Elevated Temperature and Illumination. Energy Procedia, 2016, 92, 211-217.	1.8	33
5	Electroreflectance of thin-film solar cells: Simulation and experiment. Physical Review B, 2015, 92, .	3.2	22
6	Diffuse electroreflectance of thin-film solar cells: Suppression of interference-related lineshape distortions. Applied Physics Letters, 2015, 107, .	3.3	19
7	Bulk and Surfaceâ€Related Degradation in Lifetime Samples Made of Czochralski Silicon Passivated by Plasmaâ€Enhanced Chemical Vapor Deposited Layer Stacks. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800741.	1.8	17
8	Enhanced stability of passivation quality on diffused silicon surfaces under light-induced degradation conditions. Solar Energy Materials and Solar Cells, 2018, 188, 112-118.	6.2	16
9	On improved passivation stability on highly-doped crystalline silicon and the long-term stability of regenerated Cz-Si. Solar Energy Materials and Solar Cells, 2018, 185, 277-282.	6.2	14
10	Bulk and surface instabilities in boron doped float-zone samples during light induced degradation treatments. Energy Procedia, 2017, 124, 794-798.	1.8	13
11	A Detailed Study on Light-Induced Degradation of Cz-Si PERC-Type Solar Cells: Evidence of Rear Surface-Related Degradation. IEEE Journal of Photovoltaics, 2018, 8, 1190-1201.	2.5	13
12	Influencing Light and Elevated Temperature Induced Degradation and Surface-Related Degradation Kinetics in Float-Zone Silicon by Varying the Initial Sample State. IEEE Journal of Photovoltaics, 2020, 10, 85-93.	2.5	11
13	Does LeTID occur in c-Si even without a firing step?. AIP Conference Proceedings, 2019, , .	0.4	9
14	Evidence of Rear Surface related Degradation in Cz-Si PERC-type Solar Cells. , 2018, , .		0