Sang-Won Lee

List of Publications by Year
in descending order

20 papers	859 citations	840776 11 h-index	839539 18 g-index
21 all docs	21 docs citations	21 times ranked	1793 citing authors

#	Article	IF	Citations
1	UV Degradation and Recovery of Perovskite Solar Cells. Scientific Reports, 2016, 6, 38150.	3.3	269
2	Electric-Field-Induced Degradation of Methylammonium Lead Iodide Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2016, 7, 3091-3096.	4.6	169
3	Relationship between ion migration and interfacial degradation of CH3NH3PbI3 perovskite solar cells under thermal conditions. Scientific Reports, 2017, 7, 1200.	3.3	137
4	Historical Analysis of Highâ€Efficiency, Largeâ€Area Solar Cells: Toward Upscaling of Perovskite Solar Cells. Advanced Materials, 2020, 32, e2002202.	21.0	103
5	Perovskites fabricated on textured silicon surfaces for tandem solar cells. Communications Chemistry, 2020, 3, .	4.5	31
6	Enhanced UV stability of perovskite solar cells with a SrO interlayer. Organic Electronics, 2018, 63, 343-348.	2.6	30
7	Improved performance and thermal stability of perovskite solar cells prepared via a modified sequential deposition process. Organic Electronics, 2017, 41, 266-273.	2.6	21
8	Sputtering of TiO₂ for High-Efficiency Perovskite and 23.1% Perovskite/Silicon 4-Terminal Tandem Solar Cells. ACS Applied Energy Materials, 2019, 2, 6263-6268.	5.1	19
9	Carbon Nanotube Electrodeâ€Based Perovskiteâ€“Silicon Tandem Solar Cells. Solar Rrl, 2020, 4, 2000353.	5.8	19
10	Conformal perovskite films on 100Âcm2 textured silicon surface using two-step vacuum process. Thin Solid Films, 2020, 693, 137694.	1.8	17
11	Perovskite/Silicon Tandem Solar Cells with a V_{oc} of 1784 mV Based on an Industrially Feasible 25 cm² TOPCon Silicon Cell. ACS Applied Energy Materials, 2022, 5, 5449-5456.	5.1	14
12	Monolithic Perovskite-Carrier Selective Contact Silicon Tandem Solar Cells Using Molybdenum Oxide as a Hole Selective Layer. Energies, 2021, 14, 3108.	3.1	7
13	Potential of chemical rounding for the performance enhancement of pyramid textured p-type emitters and bifacial n-PERT Si cells. Current Applied Physics, 2018, 18, 1268-1274.	2.4	6
14	Potential of NiOx/Nickel Silicide/n+ Poly-Si Contact for Perovskite/TOPCon Tandem Solar Cells. Energies, 2022, 15, 870.	3.1	5
15	Absorber Delamination-Induced Shunt Defects in Alcohol-Based Solution-Processed Cu(In,Ga)(S,Se)2 Solar Modules. ACS Applied Energy Materials, 2020, 3, 10384-10392.	5.1	4
16	Novel Polymerâ€Based Organic/câ€Si Monolithic Tandem Solar Cell: Enhanced Efficiency using Interlayer and Transparent Top Electrode Engineering. Macromolecular Rapid Communications, 2021, 42, 2100305.	3.9	4
17	Characterization of Methylammonium Lead Iodide Perovskite Solar Cells by Surface Morphology Changes. Journal of Nanoscience and Nanotechnology, 2017, 17, 4817-4821.	0.9	2
18	Surface Passivation of Boron Emitters on n-Type Silicon Solar Cells. Sustainability, 2019, 11, 3784.	3.2	2

#	Article	IF	Citations
19	Potential of Chemical Rounding for the Performance Enhancement of a Monolithic Perovskite/Bifacial N-PERT Si Tandem Cell. , 2018, , .		0
20	Monolithic perovskite-silicon tandem cells using molybdenum oxide hole selective contact silicon solar cells as bottom structures. , 2021, , .		0