

Sang-Won Lee

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

859
citations

949033

11
h-index

939365

18
g-index

21
all docs

21
docs citations

21
times ranked

2114
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential of NiOx/Nickel Silicide/n+ Poly-Si Contact for Perovskite/TOPCon Tandem Solar Cells. <i>Energies</i> , 2022, 15, 870.	1.6	5
2	Perovskite/Silicon Tandem Solar Cells with a V_{oc} of 1784 mV Based on an Industrially Feasible 25 cm ² TOPCon Silicon Cell. <i>ACS Applied Energy Materials</i> , 2022, 5, 5449-5456.	2.5	14
3	Monolithic Perovskite-Carrier Selective Contact Silicon Tandem Solar Cells Using Molybdenum Oxide as a Hole Selective Layer. <i>Energies</i> , 2021, 14, 3108.	1.6	7
4	Monolithic perovskite-silicon tandem cells using molybdenum oxide hole selective contact silicon solar cells as bottom structures. , 2021, , .		0
5	Novel Polymer-Based Organic/c-Si Monolithic Tandem Solar Cell: Enhanced Efficiency using Interlayer and Transparent Top Electrode Engineering. <i>Macromolecular Rapid Communications</i> , 2021, 42, 2100305.	2.0	4
6	Conformal perovskite films on 100Åcm ² textured silicon surface using two-step vacuum process. <i>Thin Solid Films</i> , 2020, 693, 137694.	0.8	17
7	Historical Analysis of High-Efficiency, Large-Area Solar Cells: Toward Upscaling of Perovskite Solar Cells. <i>Advanced Materials</i> , 2020, 32, e2002202.	11.1	103
8	Carbon Nanotube Electrode-Based Perovskite-Silicon Tandem Solar Cells. <i>Solar Rrl</i> , 2020, 4, 2000353.	3.1	19
9	Absorber Delamination-Induced Shunt Defects in Alcohol-Based Solution-Processed Cu(In,Ga)(S,Se) ₂ Solar Modules. <i>ACS Applied Energy Materials</i> , 2020, 3, 10384-10392.	2.5	4
10	Perovskites fabricated on textured silicon surfaces for tandem solar cells. <i>Communications Chemistry</i> , 2020, 3, .	2.0	31
11	Sputtering of TiO ₂ for High-Efficiency Perovskite and 23.1% Perovskite/Silicon 4-Terminal Tandem Solar Cells. <i>ACS Applied Energy Materials</i> , 2019, 2, 6263-6268.	2.5	19
12	Surface Passivation of Boron Emitters on n-Type Silicon Solar Cells. <i>Sustainability</i> , 2019, 11, 3784.	1.6	2
13	Potential of Chemical Rounding for the Performance Enhancement of a Monolithic Perovskite/Bifacial N-PERT Si Tandem Cell. , 2018, , .		0
14	Enhanced UV stability of perovskite solar cells with a SrO interlayer. <i>Organic Electronics</i> , 2018, 63, 343-348.	1.4	30
15	Potential of chemical rounding for the performance enhancement of pyramid textured p-type emitters and bifacial n-PERT Si cells. <i>Current Applied Physics</i> , 2018, 18, 1268-1274.	1.1	6
16	Characterization of Methylammonium Lead Iodide Perovskite Solar Cells by Surface Morphology Changes. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 4817-4821.	0.9	2
17	Relationship between ion migration and interfacial degradation of CH ₃ NH ₃ PbI ₃ perovskite solar cells under thermal conditions. <i>Scientific Reports</i> , 2017, 7, 1200.	1.6	137
18	Improved performance and thermal stability of perovskite solar cells prepared via a modified sequential deposition process. <i>Organic Electronics</i> , 2017, 41, 266-273.	1.4	21

#	ARTICLE	IF	CITATIONS
19	UV Degradation and Recovery of Perovskite Solar Cells. Scientific Reports, 2016, 6, 38150.	1.6	269
20	Electric-Field-Induced Degradation of Methylammonium Lead Iodide Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2016, 7, 3091-3096.	2.1	169