

# Seongtak Kim

## List of Publications by Citations

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21  
papers

744  
citations

11  
h-index

21  
g-index

21  
ext. papers

878  
ext. citations

3.5  
avg, IF

3.38  
L-index

#	Paper	IF	Citations
21	UV Degradation and Recovery of Perovskite Solar Cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 38150	4.9	195
20	Investigation of Thermally Induced Degradation in CHNHPbI Perovskite Solar Cells using In-situ Synchrotron Radiation Analysis. <i>Scientific Reports</i> , <b>2017</b> , 7, 4645	4.9	135
19	Electric-Field-Induced Degradation of Methylammonium Lead Iodide Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 3091-6	6.4	123
18	Relationship between ion migration and interfacial degradation of CHNHPbI perovskite solar cells under thermal conditions. <i>Scientific Reports</i> , <b>2017</b> , 7, 1200	4.9	93
17	Graphene Quantum Dot Layers with Energy-Down-Shift Effect on Crystalline-Silicon Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 19043-9	9.5	41
16	Potential induced degradation of n-type crystalline silicon solar cells with p+ front junction. <i>Energy Science and Engineering</i> , <b>2017</b> , 5, 30-37	3.4	30
15	Improved performance and thermal stability of perovskite solar cells prepared via a modified sequential deposition process. <i>Organic Electronics</i> , <b>2017</b> , 41, 266-273	3.5	20
14	Enhanced UV stability of perovskite solar cells with a SrO interlayer. <i>Organic Electronics</i> , <b>2018</b> , 63, 343-348	3.5	19
13	Perovskites fabricated on textured silicon surfaces for tandem solar cells. <i>Communications Chemistry</i> , <b>2020</b> , 3,	6.3	17
12	The degradation of multi-crystalline silicon solar cells after damp heat tests. <i>Microelectronics Reliability</i> , <b>2014</b> , 54, 2176-2179	1.2	14
11	Sputtering of TiO <sub>2</sub> for High-Efficiency Perovskite and 23.1% Perovskite/Silicon 4-Terminal Tandem Solar Cells. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 6263-6268	6.1	11
10	Conformal perovskite films on 100 $\mu$ m <sup>2</sup> textured silicon surface using two-step vacuum process. <i>Thin Solid Films</i> , <b>2020</b> , 693, 137694	2.2	10
9	Improvement of electrical properties in screen-printed crystalline silicon solar cells by contact treatment of the grid edge. <i>Metals and Materials International</i> , <b>2013</b> , 19, 1333-1338	2.4	8
8	Effect of High-Temperature Annealing on Ion-Implanted Silicon Solar Cells. <i>International Journal of Photoenergy</i> , <b>2012</b> , 2012, 1-6	2.1	8
7	Migration of Sn and Pb from Solder Ribbon onto Ag Fingers in Field-Aged Silicon Photovoltaic Modules. <i>International Journal of Photoenergy</i> , <b>2015</b> , 2015, 1-7	2.1	6
6	Analysis of degradation in 25-year-old field-aged crystalline silicon solar cells. <i>Microelectronics Reliability</i> , <b>2019</b> , 100-101, 113392	1.2	4
5	Effects of rapid thermal process on the junction properties of aluminum rear emitter solar cells. <i>Metals and Materials International</i> , <b>2012</b> , 18, 731-734	2.4	4

4	Nano-glass frit for inkjet printed front side metallization of silicon solar cells prepared by sol-gel process. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2015</b> , 9, 293-296	2.5	3
3	Influence of SiNx:H film properties according to gas mixture ratios for crystalline silicon solar cells. <i>Current Applied Physics</i> , <b>2013</b> , 13, 241-245	2.6	2
2	Characterization of Methylammonium Lead Iodide Perovskite Solar Cells by Surface Morphology Changes. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2017</b> , 17, 4817-4821	1.3	1
1	Effects of Plasma Enhanced Chemical Vapor Deposition Radio Frequency on the Properties of SiNx:H Films. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2017</b> , 17, 4687-4693	1.3	