Seulki song

List of Publications by Year
in descending order

23 papers	1,451 citations	471509 17 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	2680 citing authors

#	Article	IF	Citations
1	Green-Solvent-Processable, Dopant-Free Hole-Transporting Materials for Robust and Efficient Perovskite Solar Cells. Journal of the American Chemical Society, 2017, 139, 12175-12181.	13.7	212
2	Well-Defined Nanostructured, Single-Crystalline TiO₂ Electron Transport Layer for Efficient Planar Perovskite Solar Cells. ACS Nano, 2016, 10, 6029-6036.	14.6	196
3	Systematically Optimized Bilayered Electron Transport Layer for Highly Efficient Planar Perovskite Solar Cells (Î· = 21.1%). ACS Energy Letters, 2017, 2, 2667-2673.	17.4	180
4	pâ€Type CuI Islands on TiO₂ Electron Transport Layer for a Highly Efficient Planarâ€Perovskite Solar Cell with Negligible Hysteresis. Advanced Energy Materials, 2018, 8, 1702235.	19.5	117
5	Selective Defect Passivation and Topographical Control of 4â€Dimethylaminopyridine at Grain Boundary for Efficient and Stable Planar Perovskite Solar Cells. Advanced Energy Materials, 2021, 11, 2003382.	19.5	82
6	A Facile Surface Passivation Enables Thermally Stable and Efficient Planar Perovskite Solar Cells Using a Novel IDTTâ€Based Small Molecule Additive. Advanced Energy Materials, 2021, 11, 2003829.	19.5	72
7	Cross-Linkable Fullerene Derivatives for Solution-Processed nâ€“iâ€“p Perovskite Solar Cells. ACS Energy Letters, 2016, 1, 648-653.	17.4	67
8	Recent Progress and Challenges of Electron Transport Layers in Organicâ€“Inorganic Perovskite Solar Cells. Energies, 2020, 13, 5572.	3.1	66
9	Interfacial electron accumulation for efficient homo-junction perovskite solar cells. Nano Energy, 2016, 28, 269-276.	16.0	63
10	Inducing swift nucleation morphology control for efficient planar perovskite solar cells by hot-air quenching. Journal of Materials Chemistry A, 2017, 5, 3812-3818.	10.3	61
11	Surface modified fullerene electron transport layers for stable and reproducible flexible perovskite solar cells. Nano Energy, 2018, 49, 324-332.	16.0	52
12	Simple post annealing-free method for fabricating uniform, large grain-sized, and highly crystalline perovskite films. Nano Energy, 2017, 34, 181-187.	16.0	50
13	A novel quasi-solid state dye-sensitized solar cell fabricated using a multifunctional network polymer membrane electrolyte. Energy and Environmental Science, 2013, 6, 1559.	30.8	48
14	Stable Dyeâ€Sensitized Solar Cells by Encapsulation of N719â€Sensitized TiO₂ Electrodes Using Surfaceâ€Induced Crossâ€Linking Polymerization. Advanced Energy Materials, 2012, 2, 219-224.	19.5	43
15	In situ modulation of the vertical distribution in a blend of P3HT and PC60BM via the addition of a composition gradient inducer. Nanoscale, 2014, 6, 2440.	5.6	33
16	Novel cathode interfacial layer using creatine for enhancing the photovoltaic properties of perovskite solar cells. Journal of Materials Chemistry A, 2020, 8, 21721-21728.	10.3	28
17	Dye-Sensitized Solar Cells Employing Doubly or Singly Open-Ended TiO₂ Nanotube Arrays: Structural Geometry and Charge Transport. ACS Applied Materials & Interfaces, 2014, 6, 15388-15394.	8.0	21
18	Lowâ€bandgap quinoxalineâ€based Dâ€“Aâ€type copolymers: Synthesis, characterization, and photovoltaic properties. Journal of Polymer Science Part A, 2013, 51, 372-382.	2.3	19

#	ARTICLE	IF	CITATIONS
19	Tunable Nanoporous Network Polymer Nanocomposites having Sizeâ€Selective Ion Transfer for Dyeâ€Sensitized Solar Cells. Advanced Energy Materials, 2013, 3, 184-192.	19.5	18
20	Solar Cells: pâ€Type CuI Islands on TiO₂ Electron Transport Layer for a Highly Efficient Planarâ€Perovskite Solar Cell with Negligible Hysteresis (Adv. Energy Mater. 5/2018). Advanced Energy Materials, 2018, 8, 1870020.	19.5	8
21	Suppressing charge recombination by incorporating 3,6â€carbazole into poly[9â€(heptadecanâ€9â€yl)â€9<i>H</i>â€carbazoleâ€2,7â€diylâ€altâ€(5,6â€bisâ€(octyloxy)â€4,7â€di(thiopheneâ€2â€yl)benzo[1,2,. Journal of Polymer Science Part A, 2014, 52, 2047-2056.	2.8	6
22	Perspective: approaches for layers above the absorber in perovskite solar cells for semitransparent and tandem applications. Materials Today Energy, 2021, 21, 100729.	4.7	5
23	Tunable Nanoporous Network Polymer Nanocomposites having Size-Selective Ion Transfer for Dye-Sensitized Solar Cells (Adv. Energy Mater. 2/2013). Advanced Energy Materials, 2013, 3, 183-183.	19.5	4