

Ji-Youn Seo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27 papers	7,821 citations	17 h-index	30 g-index
30 ext. papers	8,773 ext. citations	13.8 avg, IF	5.85 L-index

#	Paper	IF	Citations
27	Dopant Engineering for Spiro-OMeTAD Hole-Transporting Materials towards Efficient Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2021 , 31, 2102124	15.6	14
26	Stabilization of Highly Efficient and Stable Phase-Pure FAPbI Perovskite Solar Cells by Molecularly Tailored 2D-Overlayers. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 15688-15694	16.4	115
25	Stabilization of Highly Efficient and Stable Phase-Pure FAPbI3 Perovskite Solar Cells by Molecularly Tailored 2D-Overlayers. <i>Angewandte Chemie</i> , 2020 , 132, 15818-15824	3.6	11
24	Power output stabilizing feature in perovskite solar cells at operating condition: Selective contact-dependent charge recombination dynamics. <i>Nano Energy</i> , 2019 , 61, 126-131	17.1	32
23	Supramolecular Engineering for Formamidinium-Based Layered 2D Perovskite Solar Cells: Structural Complexity and Dynamics Revealed by Solid-State NMR Spectroscopy. <i>Advanced Energy Materials</i> , 2019 , 9, 1900284	21.8	71
22	Influence of Alkoxy Chain Length on the Properties of Two-Dimensionally Expanded Azulene-Core-Based Hole-Transporting Materials for Efficient Perovskite Solar Cells. <i>Chemistry - A European Journal</i> , 2019 , 25, 6741-6752	4.8	13
21	Site-selective Synthesis of [70]PCBM-like Fullerenes: Efficient Application in Perovskite Solar Cells. <i>Chemistry - A European Journal</i> , 2019 , 25, 3224-3228	4.8	26
20	Boosting the Efficiency of Perovskite Solar Cells with CsBr-Modified Mesoporous TiO2 Beads as Electron-Selective Contact. <i>Advanced Functional Materials</i> , 2018 , 28, 1705763	15.6	93
19	Novel p-dopant toward highly efficient and stable perovskite solar cells. <i>Energy and Environmental Science</i> , 2018 , 11, 2985-2992	35.4	149
18	Room-Temperature Formation of Highly Crystalline Multication Perovskites for Efficient, Low-Cost Solar Cells. <i>Advanced Materials</i> , 2017 , 29, 1606258	24	106
17	The effect of illumination on the formation of metal halide perovskite films. <i>Nature</i> , 2017 , 545, 208-212	50.4	197
16	New Insight into the Formation of Hybrid Perovskite Nanowires via Structure Directing Adducts. <i>Chemistry of Materials</i> , 2017 , 29, 587-594	9.6	60
15	Additives, Hole Transporting Materials and Spectroscopic Methods to Characterize the Properties of Perovskite Films. <i>Chimia</i> , 2017 , 71, 754-761	1.3	3
14	Effect of Cs-Incorporated NiO on the Performance of Perovskite Solar Cells. <i>ACS Omega</i> , 2017 , 2, 9074-9079	9.79	34
13	Solar Cells: Ionic Liquid Control Crystal Growth to Enhance Planar Perovskite Solar Cells Efficiency (Adv. Energy Mater. 20/2016). <i>Advanced Energy Materials</i> , 2016 , 6,	21.8	1
12	Cesium-containing triple cation perovskite solar cells: improved stability, reproducibility and high efficiency. <i>Energy and Environmental Science</i> , 2016 , 9, 1989-1997	35.4	3740
11	Incorporation of rubidium cations into perovskite solar cells improves photovoltaic performance. <i>Science</i> , 2016 , 354, 206-209	33.3	2628

10	Enhancing Efficiency of Perovskite Solar Cells via N-doped Graphene: Crystal Modification and Surface Passivation. <i>Advanced Materials</i> , 2016 , 28, 8681-8686	24	228
9	Ionic Liquid Control Crystal Growth to Enhance Planar Perovskite Solar Cells Efficiency. <i>Advanced Energy Materials</i> , 2016 , 6, 1600767	21.8	165
8	Molecular Origins of the High-Performance Nonlinear Optical Susceptibility in a Phenolic Polyene Chromophore: Electron Density Distributions, Hydrogen Bonding, and ab Initio Calculations. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 9416-9430	3.8	31
7	Unusual Twisting and Bending of Phenyltriene with Methylthiolated Biphenyl Sulfane Group in the Crystalline State. <i>Crystal Growth and Design</i> , 2013 , 13, 1014-1022	3.5	5
6	Rotational Isomerism of Phenylthiolated Chromophores with Large Variation of Optical Nonlinearity. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 25034-25043	3.8	5
5	New Thiolated Nitrophenylhydrazone Crystals for Nonlinear Optics. <i>Crystal Growth and Design</i> , 2012 , 12, 313-319	3.5	10
4	Phenolic Polyene Crystals with Tailored Physical Properties and Very Large Nonlinear Optical Response. <i>Chemistry of Materials</i> , 2011 , 23, 239-246	9.6	36
3	Thickness Control of Highly Efficient Organic Electro-Optic Phenolic Polyene Crystals by Metal Acetates. <i>Crystal Growth and Design</i> , 2009 , 9, 4269-4272	3.5	9
2	Large-Size Pyrrolidine-Based Polyene Single Crystals Suitable for Terahertz Wave Generation. <i>Crystal Growth and Design</i> , 2009 , 9, 5003-5005	3.5	15
1	Crystal engineering by eliminating weak hydrogen bonding sites in phenolic polyene nonlinear optical crystals. <i>CrystEngComm</i> , 2009 , 11, 1541	3.3	22