

Seon Joo Lee

List of Publications by Year in descending order

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17
papers

1,675
citations

623734

14
h-index

888059

17
g-index

17
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17
docs citations

17
times ranked

3303
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of Efficient Formamidinium Tin Iodide Perovskite Solar Cells through SnF ₂ •Pyrazine Complex. <i>Journal of the American Chemical Society</i> , 2016, 138, 3974-3977.	13.7	658
2	Metal Oxide Charge Transport Layers for Efficient and Stable Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1900455.	14.9	186
3	Reducing Carrier Density in Formamidinium Tin Perovskites and Its Beneficial Effects on Stability and Efficiency of Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2018, 3, 46-53.	17.4	158
4	Energy-level engineering of the electron transporting layer for improving open-circuit voltage in dye and perovskite-based solar cells. <i>Energy and Environmental Science</i> , 2019, 12, 958-964.	30.8	116
5	Hot Carrier-Driven Catalytic Reactions on Pt•CdSe•Pt Nanodumbbells and Pt/GaN under Light Irradiation. <i>Nano Letters</i> , 2013, 13, 1352-1358.	9.1	101
6	Tailoring of Electron-Collecting Oxide Nanoparticulate Layer for Flexible Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1845-1851.	4.6	93
7	Geometric Effect of Single or Double Metal-Tipped CdSe Nanorods on Photocatalytic H ₂ Generation. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3781-3785.	4.6	83
8	Exploring wide bandgap metal oxides for perovskite solar cells. <i>APL Materials</i> , 2019, 7, .	5.1	54
9	Controllable synthesis of single crystalline Sn-based oxides and their application in perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 79-86.	10.3	45
10	Transparent Electrodes Consisting of a Surface-Treated Buffer Layer Based on Tungsten Oxide for Semitransparent Perovskite Solar Cells and Four-Terminal Tandem Applications. <i>Small Methods</i> , 2020, 4, 2000074.	8.6	41
11	Engineering Reaction Kinetics by Tailoring the Metal Tips of Metal-Semiconductor Nanodumbbells. <i>Nano Letters</i> , 2017, 17, 5688-5694.	9.1	31
12	Mixed or Segregated: Toward Efficient and Stable Mixed Halide Perovskite-Based Devices. <i>ACS Omega</i> , 2021, 6, 24304-24315.	3.5	29
13	Probing the nanoscale Schottky barrier of metal/semiconductor interfaces of Pt/CdSe/Pt nanodumbbells by conductive-probe atomic force microscopy. <i>Nanoscale</i> , 2015, 7, 12297-12301.	5.6	28
14	Coordination Power Adjustment of Surface-Regulating Polymers for Shaping Gold Polyhedral Nanocrystals. <i>Chemistry - A European Journal</i> , 2011, 17, 8466-8471.	3.3	15
15	Organic solvent-assisted synthesis of the K ₃ SiF ₇ :Mn ⁴⁺ red phosphor with improved morphology and stability. <i>Journal of Materials Chemistry C</i> , 2019, 7, 15014-15020.	5.5	15
16	Bovine Serum Albumin as an Effective Surface Regulating Biopolymer for Morphology Control of Gold Polyhedrons. <i>Crystal Growth and Design</i> , 2013, 13, 4131-4137.	3.0	11
17	Air-stable CuInSe ₂ nanoparticles formed through partial cation exchange in methanol at room temperature. <i>CrystEngComm</i> , 2016, 18, 6069-6075.	2.6	11