

Jong Woo Lee

List of Publications by Year in descending order

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22
papers

790
citations

567281

15
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

1509
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Efficient Hole Transport Layer-Free Low Bandgap Mixed Pb-Sn Perovskite Solar Cells Enabled by a Binary Additive System. <i>Advanced Functional Materials</i> , 2022, 32, 2110069.	14.9	30
2	Ultrasensitive Near-Infrared Circularly Polarized Light Detection Using 3D Perovskite Embedded with Chiral Plasmonic Nanoparticles. <i>Advanced Science</i> , 2022, 9, e2104598.	11.2	23
3	Abnormal spatial heterogeneity governing the charge-carrier mechanism in efficient Ruddlesden-Popper perovskite solar cells. <i>Energy and Environmental Science</i> , 2021, 14, 4915-4925.	30.8	24
4	Synergistic Effects of Cation and Anion in an Ionic Imidazolium Tetrafluoroborate Additive for Improving the Efficiency and Stability of Half-Mixed Pb-Sn Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2008801.	14.9	66
5	Fluorine plasma treatment on carbon-based perovskite solar cells for rapid moisture protection layer formation and performance enhancement. <i>Chemical Communications</i> , 2020, 56, 535-538.	4.1	22
6	Sub-nanoscale probing of nanojunction using heterogeneous gap-mode Raman spectroscopy. <i>Chemical Communications</i> , 2020, 56, 4047-4050.	4.1	1
7	Fluorescence Quenching of 4,4-Dimethoxytriphenylamine-Substituted Diketopyrrolopyrrole via Intramolecular Photoinduced Electron Transfer. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24263-24274.	3.1	15
8	Highly Crystalline Perovskite-Based Photovoltaics via Two-Dimensional Liquid Cage Annealing Strategy. <i>Journal of the American Chemical Society</i> , 2019, 141, 5808-5814.	13.7	29
9	Superfast Room-Temperature Activation of SnO ₂ Thin Films via Atmospheric Plasma Oxidation and their Application in Planar Perovskite Photovoltaics. <i>Advanced Materials</i> , 2018, 30, 1704825.	21.0	73
10	A highly stable and efficient carbon electrode-based perovskite solar cell achieved via interfacial growth of 2D PEA ₂ PbI ₄ perovskite. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24560-24568.	10.3	76
11	Highly fluorescent and water soluble turn-on type diarylethene for super-resolution bioimaging over a broad pH range. <i>Dyes and Pigments</i> , 2018, 158, 36-41.	3.7	15
12	Efficient and moisture-resistant hole transport layer for inverted perovskite solar cells using solution-processed polyaniline. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6250-6256.	5.5	32
13	Large Grain-Based Hole-Blocking Layer-Free Planar-Type Perovskite Solar Cell with Best Efficiency of 18.20%. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8113-8120.	8.0	72
14	Generation of highly luminescent micro rings by optical irradiation. <i>Chemical Communications</i> , 2017, 53, 7642-7644.	4.1	1
15	Outstanding Performance of Hole-Blocking Layer-Free Perovskite Solar Cell Using Hierarchically Porous Fluorine-Doped Tin Oxide Substrate. <i>Advanced Energy Materials</i> , 2017, 7, 1700749.	19.5	50
16	Shedding new light on an old molecule: quinophthalone displays uncommon N-to-O excited state intramolecular proton transfer (ESIPT) between photobases. <i>Scientific Reports</i> , 2017, 7, 3863.	3.3	15
17	Size effects of a graphene quantum dot modified-blocking TiO ₂ layer for efficient planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16834-16842.	10.3	65
18	Live bio-imaging with fully bio-compatible organic fluorophores. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 166, 52-57.	3.8	11

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19	Noncanonical DNA-binding mode of repressor and its disassembly by antirepressor. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2480-8.	7.1	14
20	Target-specific near-IR induced drug release and photothermal therapy with accumulated Au/Ag hollow nanoshells on pulmonary cancer cell membranes. Biomaterials, 2015, 45, 81-92.	11.4	69
21	Preparation of non-aggregated fluorescent nanodiamonds (FNDs) by non-covalent coating with a block copolymer and proteins for enhancement of intracellular uptake. Molecular BioSystems, 2013, 9, 1004.	2.9	46
22	Enhanced Photocurrent Generation by Förster Resonance Energy Transfer between Phospholipid-Assembled Conjugated Oligoelectrolytes and Nile Red. Journal of Physical Chemistry C, 2013, 117, 3298-3307.	3.1	27