

Ruihao Chen

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,634
citations

516710

16
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

2603
citing authors

#	ARTICLE	IF	CITATIONS
1	Scalable Preparation of High-Performance ZnO/SnO ₂ Cascaded Electron Transport Layer for Efficient Perovskite Solar Modules. <i>Solar Rrl</i> , 2022, 6, 2100639.	5.8	13
2	Crown Ether-Assisted Growth and Scaling Up of FACsPbI ₃ Films for Efficient and Stable Perovskite Solar Modules. <i>Advanced Functional Materials</i> , 2021, 31, 2008760.	14.9	50
3	Chemical Insights into Interfacial Effects in Inorganic Nanomaterials. <i>Advanced Materials</i> , 2021, 33, e2006159.	21.0	22
4	Sulfonate-Assisted Surface Iodide Management for High-Performance Perovskite Solar Cells and Modules. <i>Journal of the American Chemical Society</i> , 2021, 143, 10624-10632.	13.7	101
5	Maximizing the output power density enhancement of solid polymer electrolyte based-triboelectric nanogenerators via contact electrification-induced ionic polarization. <i>Nano Energy</i> , 2021, 90, 106616.	16.0	23
6	Methylamine-Dimer-Induced Phase Transition toward MAPbI ₃ Films and High-Efficiency Perovskite Solar Modules. <i>Journal of the American Chemical Society</i> , 2020, 142, 6149-6157.	13.7	59
7	Moisture-tolerant and high-quality \pm -CsPbI ₃ films for efficient and stable perovskite solar modules. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9597-9606.	10.3	62
8	<i>N</i> -Methyl-2-pyrrolidone as an excellent coordinative additive with a wide operating range for fabricating high-quality perovskite films. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2458-2463.	6.0	26
9	Light-Trapping Engineering for the Enhancements of Broadband and Spectra-Selective Photodetection by Self-Assembled Dielectric Microcavity Arrays. <i>Nanoscale Research Letters</i> , 2019, 14, 187.	5.7	2
10	Perfection of Perovskite Grain Boundary Passivation by Eu-Porphyrin Complex for Overall-Stable Perovskite Solar Cells. <i>Advanced Science</i> , 2019, 6, 1802040.	11.2	65
11	Intimate Interfacial Interaction between Amino-Modified Ti ₅ Clusters and BiVO ₄ towards Efficient Photoelectrochemical Water Splitting. <i>ChemNanoMat</i> , 2019, 5, 1110-1114.	2.8	6
12	Beyond efficiency: phenothiazine, a new commercially viable substituent for hole transport materials in perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8593-8598.	5.5	15
13	Monoammonium Porphyrin for Blade-Coating Stable Large-Area Perovskite Solar Cells with >18% Efficiency. <i>Journal of the American Chemical Society</i> , 2019, 141, 6345-6351.	13.7	149
14	Br-containing alkyl ammonium salt-enabled scalable fabrication of high-quality perovskite films for efficient and stable perovskite modules. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26849-26857.	10.3	40
15	Ether-Soluble Cu ₅₃ Nanoclusters as an Effective Precursor of High-Quality CuI Films for Optoelectronic Applications. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 835-839.	13.8	115
16	High-Efficiency, Hysteresis-Less, UV-Stable Perovskite Solar Cells with Cascade ZnO/ZnS Electron Transport Layer. <i>Journal of the American Chemical Society</i> , 2019, 141, 541-547.	13.7	189
17	Efficient, Hysteresis-Free, and Stable Perovskite Solar Cells with ZnO as Electron Transport Layer: Effect of Surface Passivation. <i>Advanced Materials</i> , 2018, 30, 1705596.	21.0	363
18	Ether-Soluble Cu ₅₃ Nanoclusters as an Effective Precursor of High-Quality CuI Films for Optoelectronic Applications. <i>Angewandte Chemie</i> , 2018, 131, 845.	2.0	20

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19	Improving Efficiency and Stability of Perovskite Solar Cells by Modifying Mesoporous TiO ₂ Perovskite Interfaces with Both Aminocaproic and Caproic acids. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700897.	3.7	41
20	Identifying the Molecular Structures of Intermediates for Optimizing the Fabrication of High-Quality Perovskite Films. <i>Journal of the American Chemical Society</i> , 2016, 138, 9919-9926.	13.7	249
21	One-pot template-free fabrication of ZnMn ₂ O ₄ hollow microspheres as high-performance lithium-ion battery anodes. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	10
22	Production of hydrogen-rich gas and multi-walled carbon nanotubes from ethanol decomposition over molybdenum modified Ni/MgO catalysts. <i>Journal of Energy Chemistry</i> , 2014, 23, 244-250.	12.9	14