

Qi Cao

List of Publications by Year in descending order

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papers

1,012
citations

567281

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794594

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docs citations

20
times ranked

807
citing authors

#	ARTICLE	IF	CITATIONS
1	Gadolinium-incorporated CsPbI ₂ Br for boosting efficiency and long-term stability of all-inorganic perovskite solar cells. <i>Journal of Energy Chemistry</i> , 2022, 70, 9-17.	12.9	22
2	Critical Role of Removing Impurities in Nickel Oxide on High Efficiency and Long-Term Stability of Inverted Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	51
3	Multifunctional Molecule-Modified SnO ₂ -Perovskite Interface for Efficient Planar Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	8
4	Critical Role of Removing Impurities in Nickel Oxide on High Efficiency and Long-Term Stability of Inverted Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	9
5	Inhibiting metal-inward diffusion-induced degradation through strong chemical coordination toward stable and efficient inverted perovskite solar cells. <i>Energy and Environmental Science</i> , 2022, 15, 2154-2163.	30.8	30
6	Environmental-Friendly Polymer for Efficient and Stable Inverted Perovskite Solar Cells with Mitigating Lead Leakage. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	59
7	Star-polymer multidentate-cross-linking strategy for superior operational stability of inverted perovskite solar cells at high efficiency. <i>Energy and Environmental Science</i> , 2021, 14, 5406-5415.	30.8	88
8	Bi-Directional functionalization of urea-complexed SnO ₂ for efficient planar perovskite solar cells. <i>Applied Surface Science</i> , 2021, 546, 148711.	6.1	21
9	The poly(styrene-co-acrylonitrile) polymer assisted preparation of high-performance inverted perovskite solar cells with efficiency exceeding 22%. <i>Nano Energy</i> , 2021, 82, 105731.	16.0	79
10	Efficient and stable inverted perovskite solar cells with very high fill factors via incorporation of star-shaped polymer. <i>Science Advances</i> , 2021, 7, .	10.3	195
11	Surface modification with ionic liquid for efficient CsPbI ₂ Br perovskite solar cells. <i>Journal of Materiomics</i> , 2021, 7, 1039-1048.	5.7	17
12	Multidentate anchoring through additive engineering for highly efficient Sb ₂ S ₃ planar thin film solar cells. <i>Journal of Materials Science and Technology</i> , 2021, 89, 36-44.	10.7	11
13	SnO ₂ -Carbon Nanotubes Hybrid Electron Transport Layer for Efficient and Hysteresis-Free Planar Perovskite Solar Cells. <i>Solar Rrl</i> , 2020, 4, 1900415.	5.8	61
14	Solution-Processed Sb ₂ S ₃ Planar Thin Film Solar Cells with a Conversion Efficiency of 6.9% at an Open Circuit Voltage of 0.7 V Achieved via Surface Passivation by a SbCl ₃ Interface Layer. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4970-4979.	8.0	100
15	Polymeric room-temperature molten salt as a multifunctional additive toward highly efficient and stable inverted planar perovskite solar cells. <i>Energy and Environmental Science</i> , 2020, 13, 5068-5079.	30.8	121
16	Synergistic Effect through the Introduction of Inorganic Zinc Halides at the Interface of TiO ₂ and Sb ₂ S ₃ for High-Performance Sb ₂ S ₃ Planar Thin-Film Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 44297-44306.	8.0	47
17	Electron Transport Bilayer with Cascade Energy Alignment for Efficient Perovskite Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1900333.	5.8	49
18	Alcohol Vapor Post-Annealing for Highly Efficient Sb ₂ S ₃ Planar Heterojunction Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1900133.	5.8	24

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19	Ultrasonic polymerization of CuO@PNIPAM and its temperature tuning glucose sensing behavior. Ultrasonics Sonochemistry, 2018, 49, 190-195.	8.2	17
20	Multifunctional Additive (L-4-Fluorophenylalanine) for Efficient and Stable Inverted Perovskite Solar Cells. Solar Rrl, 0, , 2101101.	5.8	3