Qi Cao

List of Publications by Year
in descending order

20	1,012	567281 15	794594 19
papers	citations	h-index	g-index

20	20	20	807
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient and stable inverted perovskite solar cells with very high fill factors via incorporation of star-shaped polymer. Science Advances, 2021, 7, .	10.3	195
2	Polymeric room-temperature molten salt as a multifunctional additive toward highly efficient and stable inverted planar perovskite solar cells. Energy and Environmental Science, 2020, 13, 5068-5079.	30.8	121
3	Solution-Processed Sb₂S₃ 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 SbCl₃ Interface Layer. ACS Applied Materials & Interfaces, 2020, 12, 4970-4979.	8.0	100
4	Star-polymer multidentate-cross-linking strategy for superior operational stability of inverted perovskite solar cells at high efficiency. Energy and Environmental Science, 2021, 14, 5406-5415.	30.8	88
5	The poly(styrene-co-acrylonitrile) polymer assisted preparation of high-performance inverted perovskite solar cells with efficiency exceeding 22%. Nano Energy, 2021, 82, 105731.	16.0	79
6	SnO₂â€“Carbon Nanotubes Hybrid Electron Transport Layer for Efficient and Hysteresisâ€Free Planar Perovskite Solar Cells. Solar Rrl, 2020, 4, 1900415.	5.8	61
7	Environmentalâ€Friendly Polymer for Efficient and Stable Inverted Perovskite Solar Cells with Mitigating Lead Leakage. Advanced Functional Materials, 2022, 32, .	14.9	59
8	Critical Role of Removing Impurities in Nickel Oxide on Highâ€Efficiency and Longâ€Term Stability of Inverted Perovskite Solar Cells. Angewandte Chemie - International Edition, 2022, 61, .	13.8	51
9	Electron Transport Bilayer with Cascade Energy Alignment for Efficient Perovskite Solar Cells. Solar Rrl, 2019, 3, 1900333.	5.8	49
10	Synergistic Effect through the Introduction of Inorganic Zinc Halides at the Interface of TiO₂ and Sb₂S₃ for High-Performance Sb₂S₃ Planar Thin-Film Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 44297-44306.	8.0	47
11	Inhibiting metal-inward diffusion-induced degradation through strong chemical coordination toward stable and efficient inverted perovskite solar cells. Energy and Environmental Science, 2022, 15, 2154-2163.	30.8	30
12	Alcohol Vapor Postâ€Annealing for Highly Efficient Sb₂S₃ Planar Heterojunction Solar Cells. Solar Rrl, 2019, 3, 1900133.	5.8	24
13	Gadolinium-incorporated CsPbI2Br for boosting efficiency and long-term stability of all-inorganic perovskite solar cells. Journal of Energy Chemistry, 2022, 70, 9-17.	12.9	22
14	Bi-Directional functionalization of urea-complexed SnO2 for efficient planar perovskite solar cells. Applied Surface Science, 2021, 546, 148711.	6.1	21
15	Ultrasonic polymerization of CuO@PNIPAM and its temperature tuning glucose sensing behavior. Ultrasonics Sonochemistry, 2018, 49, 190-195.	8.2	17
16	Surface modification with ionic liquid for efficient CsPbI2Br perovskite solar cells. Journal of Materiomics, 2021, 7, 1039-1048.	5.7	17
17	Multidentate anchoring through additive engineering for highly efficient Sb2S3 planar thin film solar cells. Journal of Materials Science and Technology, 2021, 89, 36-44.	10.7	11
18	Critical Role of Removing Impurities in Nickel Oxide on Highâ€Efficiency and Longâ€Term Stability of Inverted Perovskite Solar Cells. Angewandte Chemie, 2022, 134, .	2.0	9

#	Article	IF	Citations
19	Multifunctional Moleculeâ€Modified SnO₂â€“Perovskite Interface for Efficient Planar Perovskite Solar Cells. Advanced Materials Interfaces, 2022, 9, .	3.7	8
20	Multifunctional Additive (Lâ€4â€Fluorophenylalanine) for Efficient and Stable Inverted Perovskite Solar Cells. Solar Rrl, 0, , 2101101.	5.8	3