Hu Ruiyuan

List of Publications by Year
in descending order

18 papers	483 citations	759233 12 h-index	839539 18 g-index
18 all docs	18 docs citations	18 times ranked	640 citing authors

#	Article	IF	Citations
1	Deep level defects passivated by small molecules for the enhanced efficiency and stability of inverted perovskite solar cells. Journal of Materials Chemistry C, 2022, 10, 5922-5928.	5.5	14
2	Internal Interactions between Mixed Bulky Organic Cations on Passivating Defects in Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 11200-11210.	8.0	14
3	Self-assembled TiO2 hole-blocking layers for efficient perovskite solar cells. International Journal of Minerals, Metallurgy and Materials, 2022, 29, 1280-1285.	4.9	2
4	Crackâ€Free Monolayer Graphene Interlayer for Improving Perovskite Crystallinity and Energy Level Alignment in Efficient Inverted Perovskite Solar Cells. Solar Rrl, 2022, 6, .	5.8	4
5	Novel photoelectric material of perovskite-like (CH3)3SPbI3 nanorod arrays with high stability. Journal of Energy Chemistry, 2021, 59, 581-588.	12.9	21
6	Low Temperature VOx Hole Transport Layer for Enhancing the Performance of Carbon-Based Perovskite Solar Cells. Journal of Nanoelectronics and Optoelectronics, 2021, 16, 273-280.	0.5	1
7	Work function engineering to enhance open-circuit voltage in planar perovskite solar cells by g-C3N4 nanosheets. Nano Research, 2021, 14, 2139-2144.	10.4	11
8	Low-pressure treatment of CuSCN hole transport layers for enhanced carbon-based perovskite solar cells. Journal of Power Sources, 2021, 499, 229970.	7.8	22
9	Stable and Efficient Pbâ€“Ni Binary Metal Perovskite Solar Cells. ACS Sustainable Chemistry and Engineering, 2021, 9, 17112-17119.	6.7	5
10	Perfection of Perovskite Grain Boundary Passivation by Rhodium Incorporation for Efficient and Stable Solar Cells. Nano-Micro Letters, 2020, 12, 119.	27.0	54
11	Enhanced stability of Î±-phase FAPbI₃perovskite solar cells by insertion of 2D (PEA)₂PbI₄nanosheets. Journal of Materials Chemistry A, 2020, 8, 8058-8064.	10.3	45
12	Efficient perovskite solar cells fabricated by manganese cations incorporated in hybrid perovskites. Journal of Materials Chemistry C, 2019, 7, 11943-11952.	5.5	46
13	A Facile and Green Approach to Synthesize Mesoporous Anatase TiO₂ Nanomaterials for Efficient Dye-Sensitized and Hole-Conductor-Free Perovskite Solar Cells. ACS Sustainable Chemistry and Engineering, 2018, 6, 5588-5597.	6.7	33
14	Boosting efficiency of hole conductor-free perovskite solar cells by incorporating p-type NiO nanoparticles into carbon electrodes. Solar Energy Materials and Solar Cells, 2018, 178, 164-169.	6.2	62
15	Diameter engineering on TiO2 nanorod arrays for improved hole-conductor-free perovskite solar cells. Solar Energy, 2018, 166, 42-49.	6.1	16
16	Enhanced hole transfer in hole-conductor-free perovskite solar cells via incorporating CuS into carbon electrodes. Applied Surface Science, 2018, 462, 840-846.	6.1	62
17	Multiferroic- and bandgap-tuning in BiFeO3 nanoparticles via Zn and Y co-doping. Journal of Materials Science: Materials in Electronics, 2017, 28, 11338-11345.	2.2	5
18	Carbon materials for enhancing charge transport in the advancements of perovskite solar cells. Journal of Power Sources, 2017, 361, 259-275.	7.8	66