Shuai Yuan

List of Publications by Year
in descending order

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Version: 2024-02-01

18	201	933447 10	1058476 14
papers	citations	h-index	g-index

18	18	18	228
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Influence of CsBr on Crystal Orientation and Optoelectronic Properties of MAPbI₃-Based Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 2958-2967.	8.0	18
2	Intragap State Engineering for Tunable Single-Photon Upconversion Photoluminescence of Lead Halide Perovskite. Journal of Physical Chemistry C, 2022, 126, 2447-2453.	3.1	3
3	Spacer Engineering of Thiophene-Based Two-Dimensional/Three-Dimensional Hybrid Perovskites for Stable and Efficient Solar Cells. Journal of Physical Chemistry C, 2022, 126, 3351-3358.	3.1	9
4	Polarization-Induced Trap States in Perovskite Solar Cells Revealed by Circuit-Switched Transient Photoelectric Technique. Journal of Physical Chemistry C, 2022, 126, 3696-3704.	3.1	7
5	Silicon Dioxide Nanoparticles Increase the Incidence Depth of Short-Wavelength Light in Active Layer for High-Performance Perovskite Solar Cells. Journal of Physical Chemistry C, 2022, 126, 7400-7409.	3.1	1
6	Electron transport layer assisted by nickel chloride hexahydrate for open-circuit voltage improvement in MAPbI₃ perovskite solar cells. RSC Advances, 2022, 12, 13820-13825.	3.6	0
7	Efficient and Stable Perovskite Solar Cells via CsPF₆ Passivation of Perovskite Film Defects. Journal of Physical Chemistry Letters, 2022, 13, 4598-4604.	4.6	11
8	Influence of the MACl additive on grain boundaries, trap-state properties, and charge dynamics in perovskite solar cells. Physical Chemistry Chemical Physics, 2021, 23, 6162-6170.	2.8	18
9	Simultaneous Transport Promotion and Recombination Suppression in Perovskite Solar Cells by Defect Passivation with Li-Doped Graphitic Carbon Nitride. Journal of Physical Chemistry C, 2021, 125, 5525-5533.	3.1	7
10	Lewis Base-Mediated Perovskite Crystallization as Revealed by In Situ, Real-Time Optical Absorption Spectroscopy. Journal of Physical Chemistry Letters, 2021, 12, 5357-5362.	4.6	5
11	Cd_{1â€“x}Zn_xS Nanorod Solid Solutions with Sulfur Vacancies as Effective Electron Traps for Highly Efficient Photocatalytic Hydrogen Evolution. Journal of Physical Chemistry C, 2021, 125, 25600-25607.	3.1	11
12	Bifunctional Chlorosilane Modification for Defect Passivation and Stability Enhancement of High-Efficiency Perovskite Solar Cells. Journal of Physical Chemistry C, 2020, 124, 22903-22913.	3.1	8
13	Modification of NiOx hole transport layer for acceleration of charge extraction in inverted perovskite solar cells. RSC Advances, 2020, 10, 12289-12296.	3.6	22
14	Effects of interfacial energy level alignment on carrier dynamics and photovoltaic performance of inverted perovskite solar cells. Journal of Power Sources, 2020, 452, 227845.	7.8	19
15	The influence of the electron transport layer on charge dynamics and trap-state properties in planar perovskite solar cells. RSC Advances, 2020, 10, 12347-12353.	3.6	16
16	Charge carrier recombination dynamics in a bi-cationic perovskite solar cell. Physical Chemistry Chemical Physics, 2019, 21, 5409-5415.	2.8	20
17	Characterization of the influences of morphology on the intrinsic properties of perovskite films by temperature-dependent and time-resolved spectroscopies. Physical Chemistry Chemical Physics, 2018, 20, 6575-6581.	2.8	11
18	Efficient promotion of charge separation and suppression of charge recombination by blending PCBM and its dimer as electron transport layer in inverted perovskite solar cells. RSC Advances, 2016, 6, 112512-112519.	3.6	15