

Man Yu

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

260
citations

933447

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h-index

996975

15
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all docs

16
docs citations

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times ranked

441
citing authors

#	ARTICLE	IF	CITATIONS
1	Adverse Effects of Excess Residual PbI_2 on Photovoltaic Performance, Charge Separation, and Trap-State Properties in Mesoporous Structured Perovskite Solar Cells. <i>Chemistry - A European Journal</i> , 2017, 23, 3986-3992.	3.3	63
2	Trap-limited charge recombination in intrinsic perovskite film and meso-superstructured perovskite solar cells and the passivation effect of the hole-transport material on trap states. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 29501-29506.	2.8	36
3	Mechanism of biphasic charge recombination and accumulation in TiO_2 mesoporous structured perovskite solar cells. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12128-12134.	2.8	28
4	Charge carrier recombination dynamics in a bi-cationic perovskite solar cell. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 5409-5415.	2.8	20
5	Influence of the MAI additive on grain boundaries, trap-state properties, and charge dynamics in perovskite solar cells. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 6162-6170.	2.8	18
6	The influence of morphology on charge transport/recombination dynamics in planar perovskite solar cells. <i>Chemical Physics Letters</i> , 2016, 662, 257-262.	2.6	17
7	The influence of the electron transport layer on charge dynamics and trap-state properties in planar perovskite solar cells. <i>RSC Advances</i> , 2020, 10, 12347-12353.	3.6	16
8	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. <i>RSC Advances</i> , 2016, 6, 112512-112519.	3.6	15
9	The Influence of Structural Configuration on Charge Accumulation, Transport, Recombination, and Hysteresis in Perovskite Solar Cells. <i>Energy Technology</i> , 2017, 5, 442-451.	3.8	15
10	Characterization of the influences of morphology on the intrinsic properties of perovskite films by temperature-dependent and time-resolved spectroscopies. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6575-6581.	2.8	11
11	The Influence of Morphology and PbI_2 on the Intrinsic Trap State Distribution in Perovskite Films Determined by Using Temperature-Dependent Fluorescence Spectroscopy. <i>ChemPhysChem</i> , 2017, 18, 310-317.	2.1	7
12	The influence of fullerene on hysteresis mechanism in planar perovskite solar cells. <i>Chemical Physics Letters</i> , 2020, 750, 137443.	2.6	5
13	Power output and carrier dynamics studies of perovskite solar cells under working conditions. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 19922-19927.	2.8	4
14	Label-free and ultrasensitive SERS detection of pesticide residues using 3D hot-junction of a Raman enhancing montmorillonite/silver nanoparticles nanocomposite. <i>Analytical Methods</i> , 2022, 14, 1134-1139.	2.7	4
15	Diffusion Dynamics of Mobile Ions Hidden in Transient Optoelectronic Measurement in Planar Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 8330-8337.	5.1	1
16	Interpretation of the Biphasic Charge Carrier Recombination Process Observed in Mesoporous-Structured Perovskite Solar Cells. , 0, , .		0