

Zhenhuang Su

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,195
citations

687220

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677027

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23
docs citations

23
times ranked

1235
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Polymerization of Monomer and Induced Interactions with Perovskite for Highly Performed and Stable Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2022, 32, 2105290.	7.8	14
2	MoO ₃ doped PTAA for high-performance inverted perovskite solar cells. <i>Applied Surface Science</i> , 2022, 571, 151301.	3.1	19
3	Enhancement of exciton separation in indoor perovskite photovoltaics by employing conjugated organic chromophores. <i>Journal of Power Sources</i> , 2022, 520, 230785.	4.0	10
4	Additive-Free, Low-Temperature Crystallization of Stable FAPbI_3 Perovskite. <i>Advanced Materials</i> , 2022, 34, e2107850.	11.1	71
5	Zwitterion-Assisted Crystal Growth of 2D Perovskites with Unfavorable Phase Suppression for High-Performance Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 814-825.	4.0	7
6	Toward Efficient and Stable Perovskite Solar Cells by 2D Interface Energy Band Alignment. <i>Advanced Materials Interfaces</i> , 2021, 8, .	1.9	19
7	Efficient and moisture-resistant organic solar cells <i>via</i> simultaneously reducing the surface defects and hydrophilicity of an electron transport layer. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13500-13508.	2.7	15
8	Stabilizing black-phase formamidinium perovskite formation at room temperature and high humidity. <i>Science</i> , 2021, 371, 1359-1364.	6.0	508
9	Impacts of MAPbBr ₃ Additive on Crystallization Kinetics of FAPbI ₃ Perovskite for High Performance Solar Cells. <i>Coatings</i> , 2021, 11, 545.	1.2	5
10	A Study of Interfacial Electronic Structure at the CuPc/CsPbI ₂ Br Interface. <i>Crystals</i> , 2021, 11, 547.	1.0	2
11	Unraveling the Role of Crystallization Dynamics on Luminescence Characteristics of Perovskite Light-Emitting Diodes. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100023.	4.4	36
12	Ternary Two-Step Sequential Deposition Induced Perovskite Orientational Crystallization for High-Performance Photovoltaic Devices. <i>Advanced Energy Materials</i> , 2021, 11, 2101538.	10.2	35
13	Unveiling Crystal Orientation in Quasi-2D Perovskite Films by In Situ GIWAXS for High-Performance Photovoltaics. <i>Small</i> , 2021, 17, e2100972.	5.2	23
14	Ionic Liquid Stabilizing High-Efficiency Tin Halide Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2021, 11, 2101539.	10.2	117
15	Decisive Role of Elevated Mobility in X55 and X60 Hole Transport Layers for High-Performance Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 7681-7690.	2.5	2
16	Improved V_2O_x Passivating Contact for <i>p</i> -Type Crystalline Silicon Solar Cells by Oxygen Vacancy Modulation with a SiO_x Tunnel Layer. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100989.	1.9	16
17	Red-Carbon-Quantum-Doped SnO_2 Composite with Enhanced Electron Mobility for Efficient and Stable Perovskite Solar Cells. <i>Advanced Materials</i> , 2020, 32, e1906374.	11.1	230
18	Stabilization of Intrinsic Ions in Perovskite Solar Cells by Employment of a Bipolar Star-Shaped Organic Molecule as a Charge Transport Buffer. <i>ACS Applied Energy Materials</i> , 2020, 3, 10632-10641.	2.5	2

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19	Interaction of the Cation and Vacancy in Hybrid Perovskites Induced by Light Illumination. ACS Applied Materials & Interfaces, 2020, 12, 42369-42377.	4.0	9
20	Defects controlled doping and electrical transport in TiS ₂ single crystals. Applied Physics Letters, 2020, 116, .	1.5	5
21	Graphene oxide as an additive to improve perovskite film crystallization and morphology for high-efficiency solar cells. RSC Advances, 2018, 8, 987-993.	1.7	39
22	Chemical interaction dictated energy level alignment at the N,N'-dipentyl-3,4,9,10-perylenedicarboximide/CH ₃ NH ₃ PbI ₃ interface. Applied Physics Letters, 2018, 113, .	1.5	11