

Jingjing Xue

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

5,109
citations

279487

23
h-index

454577

30
g-index

31
all docs

31
docs citations

31
times ranked

5473
citing authors

#	ARTICLE	IF	CITATIONS
1	Halide Segregation in Mixed Halide Perovskites: Visualization and Mechanisms. <i>Electronics (Switzerland)</i> , 2022, 11, 700.	1.8	7
2	Stability-limiting heterointerfaces of perovskite photovoltaics. <i>Nature</i> , 2022, 605, 268-273.	13.7	229
3	Wide-bandgap Perovskite via Synergetic Surface Passivation and Its Application toward Efficient Stacked Tandem Photovoltaics. <i>Small</i> , 2022, 18, e2103887.	5.2	3
4	Secure the electrodes. <i>Nature Energy</i> , 2022, 7, 476-477.	19.8	1
5	Stable and Efficient Methylammonium-, Cesium-, and Bromide-free Perovskite Solar Cells by In-situ Interlayer Formation. <i>Advanced Functional Materials</i> , 2021, 31, 2007520.	7.8	34
6	Reconfiguring the band-edge states of photovoltaic perovskites by conjugated organic cations. <i>Science</i> , 2021, 371, 636-640.	6.0	184
7	Surface Reconstruction of Halide Perovskites During Post-treatment. <i>Journal of the American Chemical Society</i> , 2021, 143, 6781-6786.	6.6	109
8	Prospects for metal halide perovskite-based tandem solar cells. <i>Nature Photonics</i> , 2021, 15, 411-425.	15.6	195
9	Tailored Key Parameters of Perovskite for High-Performance Photovoltaics. <i>Accounts of Materials Research</i> , 2021, 2, 447-457.	5.9	5
10	Unraveling the surface state of photovoltaic perovskite thin film. <i>Matter</i> , 2021, 4, 2417-2428.	5.0	22
11	Shallow Iodine Defects Accelerate the Degradation of δ -Phase Formamidinium Perovskite. <i>Joule</i> , 2020, 4, 2426-2442.	11.7	173
12	Molecular Interaction Regulates the Performance and Longevity of Defect Passivation for Metal Halide Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2020, 142, 20071-20079.	6.6	145
13	The surface of halide perovskites from nano to bulk. <i>Nature Reviews Materials</i> , 2020, 5, 809-827.	23.3	224
14	Efficient Flexible Inorganic Perovskite Light-Emitting Diodes Fabricated with CsPbBr ₃ Emitters Prepared via Low-Temperature in Situ Dynamic Thermal Crystallization. <i>Nano Letters</i> , 2020, 20, 4673-4680.	4.5	55
15	A Polymerization-assisted Grain Growth Strategy for Efficient and Stable Perovskite Solar Cells. <i>Advanced Materials</i> , 2020, 32, e1907769.	11.1	161
16	Molecular Tuning of Titanium Complexes with Controllable Work Function for Efficient Organic Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20800-20807.	1.5	4
17	Crystalline Liquid-like Behavior: Surface-Induced Secondary Grain Growth of Photovoltaic Perovskite Thin Film. <i>Journal of the American Chemical Society</i> , 2019, 141, 13948-13953.	6.6	163
18	A Small-molecule Charge Driver enables Perovskite Quantum Dot Solar Cells with Efficiency Approaching 13%. <i>Advanced Materials</i> , 2019, 31, e1900111.	11.1	92

#	ARTICLE	IF	CITATIONS
19	Homogeneous Freestanding Luminescent Perovskite Organogel with Superior Water Stability. <i>Advanced Materials</i> , 2019, 31, e1902928.	11.1	40
20	Core-Shell ZnO@SnO ₂ Nanoparticles for Efficient Inorganic Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2019, 141, 17610-17616.	6.6	113
21	Rational Tuning of Molecular Interaction and Energy Level Alignment Enables High-Performance Organic Photovoltaics. <i>Advanced Materials</i> , 2019, 31, e1904215.	11.1	162
22	Hierarchical Structure with Highly Ordered Macroporous-Mesoporous Metal-Organic Frameworks as Dual Function for CO ₂ Fixation. <i>Science</i> , 2019, 15, 514-523.	1.9	56
23	Caffeine Improves the Performance and Thermal Stability of Perovskite Solar Cells. <i>Joule</i> , 2019, 3, 1464-1477.	11.7	448
24	Interface and Defect Engineering for Metal Halide Perovskite Optoelectronic Devices. <i>Advanced Materials</i> , 2019, 31, e1803515.	11.1	315
25	A Review of Perovskites Solar Cell Stability. <i>Advanced Functional Materials</i> , 2019, 29, 1808843.	7.8	835
26	Constructive molecular configurations for surface-defect passivation of perovskite photovoltaics. <i>Science</i> , 2019, 366, 1509-1513.	6.0	846
27	Cluster Size Control toward High Performance Solution Processed InGaZnO Thin Film Transistors. <i>ACS Applied Electronic Materials</i> , 2019, 1, 2483-2488.	2.0	6
28	Tailored Phase Conversion under Conjugated Polymer Enables Thermally Stable Perovskite Solar Cells with Efficiency Exceeding 21%. <i>Journal of the American Chemical Society</i> , 2018, 140, 17255-17262.	6.6	235
29	Surface Ligand Management for Stable FAPbI ₃ Perovskite Quantum Dot Solar Cells. <i>Joule</i> , 2018, 2, 1866-1878.	11.7	187
30	Efficient Solid-State Electrochemiluminescence from High-Quality Perovskite Quantum Dot Films. <i>Analytical Chemistry</i> , 2017, 89, 8212-8216.	3.2	59