Xuezeng Dai

List of Publications by Year
in descending order

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14	2,399	758635 12	1125271 13
papers	citations	h-index	g-index

14	14	14	2886
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Resolving spatial and energetic distributions of trap states in metal halide perovskite solar cells. Science, 2020, 367, 1352-1358.	6.0	699
2	Stabilizing perovskite-substrate interfaces for high-performance perovskite modules. Science, 2021, 373, 902-907.	6.0	402
3	Bilateral alkylamine for suppressing charge recombination and improving stability in blade-coated perovskite solar cells. Science Advances, 2019, 5, eaav8925.	4.7	388
4	Tailoring solvent coordination for high-speed, room-temperature blading of perovskite photovoltaic films. Science Advances, 2019, 5, eaax7537.	4.7	312
5	Scalable Fabrication of Efficient Perovskite Solar Modules on Flexible Glass Substrates. Advanced Energy Materials, 2020, 10, 1903108.	10.2	186
6	Synergistic Effect of Elevated Device Temperature and Excess Charge Carriers on the Rapid Lightâ€Induced Degradation of Perovskite Solar Cells. Advanced Materials, 2019, 31, e1902413.	11.1	90
7	Highly Efficient Pureâ€Blue Lightâ€Emitting Diodes Based on Rubidium and Chlorine Alloyed Metal Halide Perovskite. Advanced Materials, 2021, 33, e2100783.	11.1	77
8	Metallic surface doping of metal halide perovskites. Nature Communications, 2021, 12, 7.	5.8	66
9	Revealing defective nanostructured surfaces and their impact on the intrinsic stability of hybrid perovskites. Energy and Environmental Science, 2021, 14, 1563-1572.	15.6	55
10	Meniscus fabrication of halide perovskite thin films at high throughput for large area and low-cost solar panels. International Journal of Extreme Manufacturing, 2019, 1, 022004.	6.3	50
11	Benign ferroelastic twin boundaries in halide perovskites for charge carrier transport and recombination. Nature Communications, 2020, 11, 2215.	5.8	47
12	Blading of Conformal Electronâ€Transport Layers in pâ€“iâ€“n Perovskite Solar Cells. Advanced Materials, 2022, 34, .	11.1	19
13	Pathways to High Efficiency Perovskite Monolithic Solar Modules. , 2022, 1, .		5
14	Origin of the X-Ray-Induced Damage in Perovskite Solar Cells. IEEE Transactions on Nuclear Science, 2022, 69, 1850-1856.	1.2	3