Wenjia Zhou

List of Publications by Year
in descending order

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Version: 2024-02-01

22	3,022	471061 17	752256 20
papers	citations	h-index	g-index

22	22	22	3643
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quasiâ€2D Bilayer Surface Passivation for High Efficiency Narrow Bandgap Perovskite Solar Cells. Angewandte Chemie - International Edition, 2022, 61, .	7.2	40
2	Large Photomultiplication by Charge-Self-Trapping for High-Response Quantum Dot Infrared Photodetectors. ACS Applied Materials & Interfaces, 2022, 14, 14783-14790.	4.0	12
3	Quasiâ€2D Bilayer Surface Passivation for High Efficiency Narrow Bandgap Perovskite Solar Cells. Angewandte Chemie, 2022, 134, .	1.6	5
4	Quantum-size-tuned heterostructures enable efficient and stable inverted perovskite solar cells. Nature Photonics, 2022, 16, 352-358.	15.6	233
5	Lowâ€Dimensional Inorganic Tin Perovskite Solar Cells Prepared by Templated Growth. Angewandte Chemie, 2021, 133, 16466-16472.	1.6	13
6	Lowâ€Dimensional Inorganic Tin Perovskite Solar Cells Prepared by Templated Growth. Angewandte Chemie - International Edition, 2021, 60, 16330-16336.	7.2	48
7	Frontispiz: Lowâ€Dimensional Inorganic Tin Perovskite Solar Cells Prepared by Templated Growth. Angewandte Chemie, 2021, 133, .	1.6	0
8	Frontispiece: Lowâ€Dimensional Inorganic Tin Perovskite Solar Cells Prepared by Templated Growth. Angewandte Chemie - International Edition, 2021, 60, .	7.2	0
9	One-Step Synthesis of SnI₂Â·(DMSO)_x Adducts for High-Performance Tin Perovskite Solar Cells. Journal of the American Chemical Society, 2021, 143, 10970-10976.	6.6	280
10	Silicon: quantum dot photovoltage triodes. Nature Communications, 2021, 12, 6696.	5.8	22
11	Integrated Structure and Device Engineering for High Performance and Scalable Quantum Dot Infrared Photodetectors. Small, 2020, 16, e2003397.	5.2	67
12	High quality silicon: Colloidal quantum dot heterojunction based infrared photodetector. Applied Physics Letters, 2020, 116, .	1.5	38
13	Inverted Si:PbS Colloidal Quantum Dot Heterojunction-Based Infrared Photodetector. ACS Applied Materials & Interfaces, 2020, 12, 15414-15421.	4.0	53
14	Solution-processed upconversion photodetectors based on quantum dots. Nature Electronics, 2020, 3, 251-258.	13.1	135
15	Ultra-high open-circuit voltage of tin perovskite solar cells via an electron transporting layer design. Nature Communications, 2020, 11, 1245.	5.8	408
16	Efficient and Stable Inverted Perovskite Solar Cells Incorporating Secondary Amines. Advanced Materials, 2019, 31, e1903559.	11.1	128
17	Highly Efficient Inverted Structural Quantum Dot Solar Cells. Advanced Materials, 2018, 30, 1704882.	11.1	88
18	Ambipolar Grapheneâ€“Quantum Dot Phototransistors with CMOS Compatibility. Advanced Optical Materials, 2018, 6, 1800985.	3.6	50

#	Article	IF	Citations
19	A Colloidalâ€Quantumâ€Dot Infrared Photodiode with High Photoconductive Gain. Small, 2018, 14, e1803158.	5.2	39
20	2D-Quasi-2D-3D Hierarchy Structure for Tin Perovskite Solar Cells with Enhanced Efficiency and Stability. Joule, 2018, 2, 2732-2743.	11.7	343
21	Highly Oriented Low-Dimensional Tin Halide Perovskites with Enhanced Stability and Photovoltaic Performance. Journal of the American Chemical Society, 2017, 139, 6693-6699.	6.6	723
22	Colloidal quantum dot ligand engineering for high performance solar cells. Energy and Environmental Science, 2016, 9, 1130-1143.	15.6	297