

Guanghaojie Zheng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25 papers	2,390 citations	16 h-index	26 g-index
26 ext. papers	2,916 ext. citations	14.1 avg, IF	4.87 L-index

#	Paper	IF	Citations
25	Novel meta-phase arising from large atomic size mismatch. <i>Matter</i> , 2022 ,	12.7	5
24	MoO ₃ doped PTAA for high-performance inverted perovskite solar cells. <i>Applied Surface Science</i> , 2022 , 571, 151301	6.7	5
23	Tartaric acid additive to enhance perovskite multiple preferential orientations for high-performance solar cells. <i>Journal of Energy Chemistry</i> , 2022 , 69, 406-413	12	1
22	Impacts of MAPbBr ₃ Additive on Crystallization Kinetics of FAPbI ₃ Perovskite for High Performance Solar Cells. <i>Coatings</i> , 2021 , 11, 545	2.9	3
21	Color-Stable Blue Light-Emitting Diodes Enabled by Effective Passivation of Mixed Halide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 6041-6047	6.4	7
20	Impact of Amine Additives on Perovskite Precursor Aging: A Case Study of Light-Emitting Diodes. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 5836-5843	6.4	3
19	A disorder-free conformation boosts phonon and charge transfer in an electron-deficient-core-based non-fullerene acceptor. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 8566-8574	13.4	27
18	Cation and anion immobilization through chemical bonding enhancement with fluorides for stable halide perovskite solar cells. <i>Nature Energy</i> , 2019 , 4, 408-415	62.3	511
17	A Thermodynamically Favored Crystal Orientation in Mixed Formamidinium/Methylammonium Perovskite for Efficient Solar Cells. <i>Advanced Materials</i> , 2019 , 31, e1900390	24	62
16	A Eu-Eu ion redox shuttle imparts operational durability to Pb-I perovskite solar cells. <i>Science</i> , 2019 , 363, 265-270	33.3	533
15	Manipulation of facet orientation in hybrid perovskite polycrystalline films by cation cascade. <i>Nature Communications</i> , 2018 , 9, 2793	17.4	127
14	Exploration of Crystallization Kinetics in Quasi Two-Dimensional Perovskite and High Performance Solar Cells. <i>Journal of the American Chemical Society</i> , 2018 , 140, 459-465	16.4	248
13	Interfacial electronic structures revealed at the rubrene/CHNHPbI interface. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 6546-6553	3.6	41
12	High-Mobility p-Type Organic Semiconducting Interlayer Enhancing Efficiency and Stability of Perovskite Solar Cells. <i>Advanced Science</i> , 2017 , 4, 1700025	13.6	29
11	Chemical Reduction of Intrinsic Defects in Thicker Heterojunction Planar Perovskite Solar Cells. <i>Advanced Materials</i> , 2017 , 29, 1606774	24	267
10	Tailored Au@TiO ₂ nanostructures for the plasmonic effect in planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 12034-12042	13	51
9	CsI Pre-Intercalation in the Inorganic Framework for Efficient and Stable FA Cs PbI (Cl) Perovskite Solar Cells. <i>Small</i> , 2017 , 13, 1700484	11	88

8	To probe the performance of perovskite memory devices: defects property and hysteresis. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 5810-5817	7.1	46
7	Toward Full Solution Processed Perovskite/Si Monolithic Tandem Solar Device With PCE Exceeding 20%. <i>Solar Rrl</i> , 2017 , 1, 1700149	7.1	54
6	A-Site Cation Effect on Growth Thermodynamics and Photoconductive Properties in Ultrapure Lead Iodine Perovskite Monocrystalline Wires. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 25985-25994	9.5	9
5	A low temperature processed fused-ring electron transport material for efficient planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 24820-24825	13	36
4	An amino-substituted perylene diimide polymer for conventional perovskite solar cells. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 2078-2084	7.8	15
3	Enhanced physical properties of pulsed laser deposited NiO films via annealing and lithium doping for improving perovskite solar cell efficiency. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 7084-7094	7.1	92
2	The energy level alignment at the CH ₃ NH ₃ PbI ₃ /pentacene interface. <i>Applied Surface Science</i> , 2017 , 393, 417-421	6.7	9
1	The Progress of Interface Design in Perovskite-Based Solar Cells. <i>Advanced Energy Materials</i> , 2016 , 6, 1600460	21.8	121