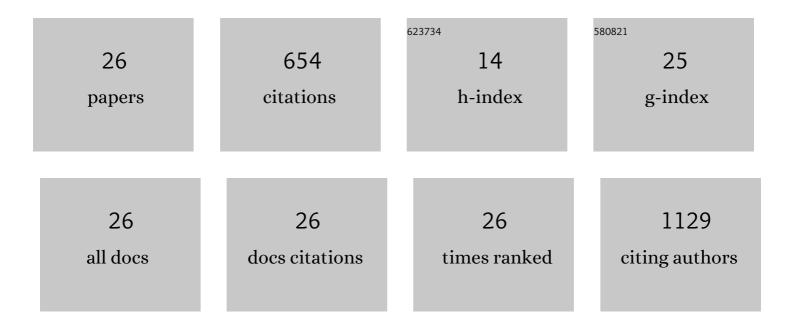
Jia Zhang

List of Publications by Year in descending order

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ΙΙΑ ΖΗΛΝΟ

#	Article	IF	CITATIONS
1	Uniform Permutation of Quasi-2D Perovskites by Vacuum Poling for Efficient, High-Fill-Factor Solar Cells. Joule, 2019, 3, 3061-3071.	24.0	177
2	Establishing charge-transfer excitons in 2D perovskite heterostructures. Nature Communications, 2020, 11, 2618.	12.8	58
3	Photoinduced Bulk Polarization and Its Effects on Photovoltaic Actions in Perovskite Solar Cells. ACS Nano, 2017, 11, 11542-11549.	14.6	44
4	Exploring Anomalous Polarization Dynamics in Organometallic Halide Perovskites. Advanced Materials, 2018, 30, 1705298.	21.0	44
5	Exploring spin-orbital coupling effects on photovoltaic actions in Sn and Pb based perovskite solar cells. Nano Energy, 2017, 38, 297-303.	16.0	42
6	Thermal and Humidity Stability of Mixed Spacer Cations 2D Perovskite Solar Cells. Advanced Science, 2021, 8, 2004510.	11.2	40
7	Self-Stimulated Dissociation in Non-Fullerene Organic Bulk-Heterojunction Solar Cells. Joule, 2020, 4, 2443-2457.	24.0	35
8	Enabling Self-passivation by Attaching Small Grains on Surfaces of Large Grains toward High-Performance Perovskite LEDs. IScience, 2019, 19, 378-387.	4.1	26
9	Facile synthesis of diverse graphene nanomeshes based on simultaneous regulation of pore size and surface structure. Scientific Reports, 2016, 6, 32310.	3.3	23
10	Twoâ€Photon Upâ€Conversion Photoluminescence Realized through Spatially Extended Gap States in Quasiâ€⊋D Perovskite Films. Advanced Materials, 2019, 31, 1901240.	21.0	23
11	Revealing photoinduced bulk polarization and spin-orbit coupling effects in high-efficiency 2D/3D Pb–Sn alloyed perovskite solar cells. Nano Energy, 2020, 76, 104999.	16.0	20
12	Amplified Spontaneous Emission Realized by Cogrowing Large/Small Grains with Selfâ€Passivating Defects and Aligning Transition Dipoles. Advanced Optical Materials, 2019, 7, 1900345.	7.3	19
13	Introducing optically polarizable molecules into perovskite solar cells by simultaneously enhanced spin–orbital coupling, suppressed non-radiative recombination and improved transport balance towards enhancing photovoltaic actions. Journal of Materials Chemistry C, 2018, 6, 6164-6171.	5.5	18
14	Extremely Long Spin Lifetime of Light-Emitting States in Quasi-2D Perovskites through Orbit–Orbit Interaction. Journal of Physical Chemistry Letters, 2020, 11, 3647-3652.	4.6	17
15	Doping Induced Orbit–Orbit Interaction between Excitons While Enhancing Photovoltaic Performance in Tin Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2020, 11, 6996-7001.	4.6	10
16	Tuning spin-orbit coupling towards enhancing photocurrent in hybrid organic-inorganic perovskites by using mixed organic cations. Organic Electronics, 2020, 81, 105671.	2.6	10
17	Identifying Photoinduced Dipolar Polarization and Orbit–Orbit Interaction between Excitons in Organic–Inorganic Hybrid Perovskites. Advanced Functional Materials, 2020, 30, 2003476.	14.9	9
18	Enabling AC electroluminescence in quasi-2D perovskites by uniformly arranging different-n-value nanoplates to allow bidirectional charge transport. Nano Energy, 2021, 79, 105413.	16.0	8

Jia Zhang

#	Article	IF	CITATIONS
19	Slow Hot-Carrier Cooling Enabled by Uniformly Arranging Different- <i>n</i> -Value Nanoplates in Quasi-2D Perovskites through Long-Range Orbit–Orbit Interaction toward Enhancing Photovoltaic Actions. Journal of Physical Chemistry Letters, 2021, 12, 4072-4078.	4.6	7
20	Giant magneto field effect in up-conversion amplified spontaneous emission via spatially extended states in organic-inorganic hybrid perovskites. Opto-Electronic Advances, 2022, 5, 200051-200051.	13.3	7
21	Using Mechanical Stress to Investigate the Rashba Effect in Organic–Inorganic Hybrid Perovskites. Journal of Physical Chemistry Letters, 2019, 10, 5446-5450.	4.6	6
22	Aligning Transition Dipole Moment toward Light Amplification and Polarized Emission in Hybrid Perovskites. Advanced Optical Materials, 2021, 9, 2100984.	7.3	4
23	Revealing long–range orbit–orbit interaction between coherent light-emitting excitons occurring in amplified spontaneous emission in CsPbBr3 microstructures. Journal of Materials Chemistry C, 2021, 9, 6034-6039.	5.5	3
24	External Field-Tunable Internal Orbit–Orbit Interaction in Flexible Perovskites. Journal of Physical Chemistry Letters, 2020, 11, 10323-10328.	4.6	2
25	Exploring Light Polarization Effects of Photovoltaic Actions in Organic–Inorganic Hybrid Perovskites with Asymmetric and Symmetric Unit Structures. ACS Applied Materials & Interfaces, 2020, 12, 38054-38060.	8.0	2
26	Revealing Charge Transfer Dynamics in Methylammonium Lead Bromide Perovskites via Transient	5.1	0

Photoluminescence Characterization. ACS Applied Energy Materials, 0, , . 26