

Ting Zhang

List of Publications by Year in Descending Order

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Version: 2024-04-19

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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.

40
papers

1,510
citations

18
h-index

38
g-index

43
ext. papers

1,795
ext. citations

7.9
avg, IF

4.76
L-index

#	Paper	IF	Citations
40	Regulating crystallization dynamics and crystal orientation of methylammonium tin iodide enables high-efficiency lead-free perovskite solar cells. <i>Nanoscale</i> , 2022 ,	7.7	4
39	Self-Powered All-Inorganic Perovskite Photodetectors with Fast Response Speed. <i>Nanoscale Research Letters</i> , 2021 , 16, 6	5	5
38	Flexible optoelectronic devices based on metal halide perovskites. <i>Nano Research</i> , 2020 , 13, 1997-2018	10	23
37	Ultra-low phase noise oscillator employing mixed electric and magnetic coupling resonator. <i>Microwave and Optical Technology Letters</i> , 2020 , 62, 1914-1919	1.2	2
36	Controllable Two-dimensional Perovskite Crystallization via Water Additive for High-performance Solar Cells. <i>Nanoscale Research Letters</i> , 2020 , 15, 108	5	6
35	Vacancies substitution induced interfacial dipole formation and defect passivation for highly stable perovskite solar cells. <i>Chemical Engineering Journal</i> , 2020 , 396, 125010	14.7	9
34	Mediator Antisolvent Strategy to Stabilize All-Inorganic CsPbI ₃ for Perovskite Solar Cells with Efficiency Exceeding 16%. <i>ACS Energy Letters</i> , 2020 , 5, 1619-1627	20.1	31
33	On-Chip THz Dynamic Manipulation Based on Tunable Spoof Surface Plasmon Polaritons. <i>IEEE Electron Device Letters</i> , 2019 , 40, 1844-1847	4.4	6
32	Low-temperature processed inorganic perovskites for flexible detectors with a broadband photoresponse. <i>Nanoscale</i> , 2019 , 11, 2871-2877	7.7	57
31	Flexible, UV-responsive perovskite photodetectors with low driving voltage. <i>Journal of Materials Science</i> , 2019 , 54, 11556-11563	4.3	15
30	Corrosive Behavior of Silver Electrode in Inverted Perovskite Solar Cells Based on Cu:NiOx. <i>IEEE Journal of Photovoltaics</i> , 2019 , 9, 1081-1085	3.7	12
29	Efficient THz On-Chip Absorption Based on Destructive Interference Between Complementary Meta-Atom Pairs. <i>IEEE Electron Device Letters</i> , 2019 , 40, 1013-1016	4.4	4
28	Optimization of anti-solvent engineering toward high performance perovskite solar cells. <i>Journal of Materials Research</i> , 2019 , 34, 2416-2424	2.5	20
27	Steering the crystallization of perovskites for high-performance solar cells in ambient air. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12166-12175	13	46
26	Band alignment of Pb ₅ Sn mixed triple cation perovskites for inverted solar cells with negligible hysteresis. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 9154-9162	13	42
25	Enhanced performance of ZnO nanoparticle decorated all-inorganic CsPbBr ₃ quantum dot photodetectors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 6134-6142	13	41
24	Mini Review on Flexible and Wearable Electronics for Monitoring Human Health Information. <i>Nanoscale Research Letters</i> , 2019 , 14, 263	5	89

23	Enhanced THz EIT resonance based on the coupled electric field dropping effect within the undulated meta-surface. <i>Nanophotonics</i> , 2019 , 8, 1071-1078	6.3	7
22	Enhanced Electrons Extraction of Lithium-Doped SnO ₂ Nanoparticles for Efficient Planar Perovskite Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2019 , 9, 1273-1279	3.7	9
21	High-Performance Paper-Based Capacitive Flexible Pressure Sensor and Its Application in Human-Related Measurement. <i>Nanoscale Research Letters</i> , 2019 , 14, 183	5	27
20	Solution-Processed Inorganic Perovskite Flexible Photodetectors with High Performance. <i>Nanoscale Research Letters</i> , 2019 , 14, 284	5	12
19	Improved crystallinity of perovskite via molecularly tailored surface modification of SnO ₂ . <i>Journal of Power Sources</i> , 2019 , 441, 227161	8.9	16
18	Enhanced Crystallinity of Triple-Cation Perovskite Film via Doping NH ₄ SCN. <i>Nanoscale Research Letters</i> , 2019 , 14, 304	5	5
17	Strategies to Fabricate Flexible SnO ₂ Based Perovskite Solar Cells Using Pre-Crystallized SnO ₂ . <i>Journal of Physics: Conference Series</i> , 2019 , 1346, 012036	0.3	
16	To Reveal Grain Boundary Induced Thermal Instability of Perovskite Semiconductor Thin Films for Photovoltaic Devices. <i>IEEE Journal of Photovoltaics</i> , 2019 , 9, 207-213	3.7	5
15	Physisorption of Oxygen in SnO ₂ Nanoparticles for Perovskite Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2019 , 9, 200-206	3.7	4
14	SnO ₂ -Based Perovskite Solar Cells: Configuration Design and Performance Improvement. <i>Solar Rrl</i> , 2019 , 3, 1800292	7.1	57
13	Humidity-insensitive fabrication of efficient perovskite solar cells in ambient air. <i>Journal of Power Sources</i> , 2019 , 412, 359-365	8.9	17
12	High Speed and Stable Solution-Processed Triple Cation Perovskite Photodetectors. <i>Advanced Optical Materials</i> , 2018 , 6, 1701341	8.1	58
11	Perovskite Solar Cells with ZnO Electron-Transporting Materials. <i>Advanced Materials</i> , 2018 , 30, 1703737	24	227
10	Suppressed Decomposition of Perovskite Film on ZnO Via a Self-Assembly Monolayer of Methoxysilane. <i>Solar Rrl</i> , 2018 , 2, 1800240	7.1	13
9	Compact microstrip bandpass filter using dual closed-loop stepped impedance resonator. <i>International Journal of Microwave and Wireless Technologies</i> , 2018 , 10, 405-411	0.8	2
8	Mesoporous PbI ₂ assisted growth of large perovskite grains for efficient perovskite solar cells based on ZnO nanorods. <i>Journal of Power Sources</i> , 2017 , 342, 990-997	8.9	93
7	Interface engineering of high efficiency perovskite solar cells based on ZnO nanorods using atomic layer deposition. <i>Nano Research</i> , 2017 , 10, 1092-1103	10	112
6	Optical and Electronic Properties of Femtosecond Laser-Induced Sulfur-Hyperdoped Silicon N+/P Photodiodes. <i>Nanoscale Research Letters</i> , 2017 , 12, 522	5	15

5	Enhanced electronic transport in Fe ³⁺ -doped TiO ₂ for high efficiency perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10754-10760	7.1	69
4	Enhanced efficiency and environmental stability of planar perovskite solar cells by suppressing photocatalytic decomposition. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 17368-17378	13	58
3	Efficient planar heterojunction perovskite solar cells with Li-doped compact TiO ₂ layer. <i>Nano Energy</i> , 2017 , 31, 462-468	17.1	204
2	Solvent annealing of Pbl for the high-quality crystallization of perovskite films for solar cells with efficiencies exceeding 18. <i>Nanoscale</i> , 2016 , 8, 19654-19661	7.7	73
1	Targeted Distribution of Passivator for Polycrystalline Perovskite Light-Emitting Diodes with High Efficiency. <i>ACS Energy Letters</i> , 4187-4194	20.1	12