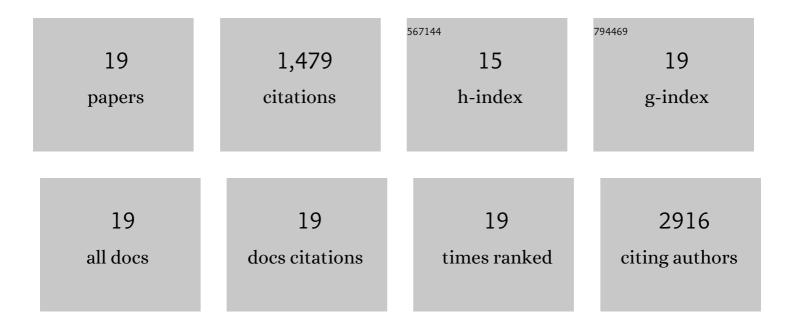
Tiankai Zhang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Construction of an Iodine Diffusion Barrier Using Network Structure Silicone Resin for Stable Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 8138-8146.	4.0	11
2	Thermal and illumination effects on a PbI ₂ nanoplate and its transformation to CH ₃ NH ₃ PbI ₃ perovskite. CrystEngComm, 2019, 21, 736-740.	1.3	4
3	Stable and scalable 3D-2D planar heterojunction perovskite solar cells via vapor deposition. Nano Energy, 2019, 59, 619-625.	8.2	88
4	van der Waals Transition-Metal Oxide for Vis–MIR Broadband Photodetection via Intercalation Strategy. ACS Applied Materials & Interfaces, 2019, 11, 15741-15747.	4.0	36
5	Interlayer Interaction Enhancement in Ruddlesden–Popper Perovskite Solar Cells toward High Efficiency and Phase Stability. ACS Energy Letters, 2019, 4, 1025-1033.	8.8	64
6	A centrifugal microfluidic pressure regulator scheme for continuous concentration control in droplet-based microreactors. Lab on A Chip, 2019, 19, 3870-3879.	3.1	19
7	Guanidinium doping enabled low-temperature fabrication of high-efficiency all-inorganic CsPbI ₂ Br perovskite solar cells. Journal of Materials Chemistry A, 2019, 7, 27640-27647.	5.2	56
8	Tertiary Amines Differentiated from Primary and Secondary Amines by Active Esterâ€Functionalized Hexabenzoperylene in Field Effect Transistors. Chemistry - an Asian Journal, 2019, 14, 1676-1680.	1.7	15
9	Broadside Nanoantennas Made of Single Silver Nanorods. ACS Nano, 2018, 12, 1720-1731.	7.3	24
10	Fusedâ€Ring Electron Acceptor ITICâ€Th: A Novel Stabilizer for Halide Perovskite Precursor Solution. Advanced Energy Materials, 2018, 8, 1703399.	10.2	112
11	Stable and Efficient 3D-2D Perovskite-Perovskite Planar Heterojunction Solar Cell without Organic Hole Transport Layer. Joule, 2018, 2, 2706-2721.	11.7	124
12	Abnormal Synergetic Effect of Organic and Halide Ions on the Stability and Optoelectronic Properties of a Mixed Perovskite via In Situ Characterizations. Advanced Materials, 2018, 30, e1801562.	11.1	55
13	Crystallinity Preservation and Ion Migration Suppression through Dual Ion Exchange Strategy for Stable Mixed Perovskite Solar Cells. Advanced Energy Materials, 2017, 7, 1700118.	10.2	74
14	Nearâ€Infrared Photoresponse of One‣ided Abrupt MAPbl ₃ /TiO ₂ Heterojunction through a Tunneling Process. Advanced Functional Materials, 2016, 26, 8545-8554.	7.8	23
15	Nonstoichiometric acid–base reaction as reliable synthetic route to highly stable CH3NH3PbI3 perovskite film. Nature Communications, 2016, 7, 13503.	5.8	94
16	Facet-Dependent Property of Sequentially Deposited Perovskite Thin Films: Chemical Origin and Self-Annihilation. ACS Applied Materials & amp; Interfaces, 2016, 8, 32366-32375.	4.0	19
17	Rapid growth of high quality perovskite crystal by solvent mixing. CrystEngComm, 2016, 18, 1184-1189.	1.3	6
18	Ultrathin efficient perovskite solar cells employing a periodic structure of a composite hole conductor for elevated plasmonic light harvesting and hole collection. Nanoscale, 2016, 8, 6290-6299.	2.8	69

#	Article	IF	CITATIONS
19	Hybrid Halide Perovskite Solar Cell Precursors: Colloidal Chemistry and Coordination Engineering behind Device Processing for High Efficiency. Journal of the American Chemical Society, 2015, 137, 4460-4468.	6.6	586