

# Miao Zhou

## List of Publications by Year in descending order

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26  
papers

1,651  
citations

394421

19  
h-index

526287

27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

3080  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance improvement of perovskite solar cells by employing a CdSe quantum dot/PCBM composite as an electron transport layer. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17499-17505.	10.3	293
2	Enhanced Stability and Tunable Photoluminescence in Perovskite CsPbX <sub>3</sub> /ZnS Quantum Dot Heterostructure. <i>Small</i> , 2017, 13, 1604085.	10.0	195
3	Flexible All-Inorganic Perovskite CsPbBr <sub>3</sub> Nonvolatile Memory Device. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 6171-6176.	8.0	179
4	Perovskite CsPb <sub>2</sub> Br <sub>5</sub> Microplate Laser with Enhanced Stability and Tunable Properties. <i>Advanced Optical Materials</i> , 2017, 5, 1600788.	7.3	135
5	All-inorganic perovskite CsPb(Br/I) <sub>3</sub> nanorods for optoelectronic application. <i>Nanoscale</i> , 2016, 8, 15158-15161.	5.6	123
6	Enhanced Two-Photon-Pumped Emission from In Situ Synthesized Nonblinking CsPbBr <sub>3</sub> /SiO <sub>2</sub> Nanocrystals with Excellent Stability. <i>Advanced Optical Materials</i> , 2018, 6, 1700997.	7.3	116
7	High-Performance Deep Ultraviolet Photodetector Based on a One-Dimensional Lead-Free Halide Perovskite CsCu <sub>2</sub> I <sub>3</sub> Film with High Stability. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6880-6886.	4.6	79
8	Strain-engineered two-dimensional MoS <sub>2</sub> as anode material for performance enhancement of Li/Na-ion batteries. <i>Scientific Reports</i> , 2018, 8, 2079.	3.3	68
9	Solution-Processed Lead-Free Perovskite Nanocrystal Scintillators for High-Resolution X-Ray CT Imaging. <i>Advanced Optical Materials</i> , 2021, 9, 2002144.	7.3	65
10	Robust Cesium Lead Halide Perovskite Microcubes for Frequency Upconversion Lasing. <i>Advanced Optical Materials</i> , 2017, 5, 1700419.	7.3	64
11	Transient Resistive Switching Memory of CsPbBr <sub>3</sub> Thin Films. <i>Advanced Electronic Materials</i> , 2018, 4, 1700596.	5.1	60
12	Enhancing hydrogen evolution on the basal plane of transition metal dichalcogenide van der Waals heterostructures. <i>Npj Computational Materials</i> , 2019, 5, .	8.7	39
13	3D Crinkled AlTi <sub>3</sub> C <sub>2</sub> MXene Based Flexible Piezoresistive Sensors with Ultra-High Sensitivity and Ultra-Wide Pressure Range. <i>Advanced Materials Technologies</i> , 2021, 6, 2001157.	5.8	35
14	Atomic Sandwiched p-n Homojunctions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3487-3492.	13.8	34
15	Single Transition Metal Atom Bound to the Unconventional Phase of the MoS <sub>2</sub> Monolayer for Catalytic Oxygen Reduction Reaction: A First-Principles Study. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 17412-17419.	8.0	26
16	Ultrastable Lead-Free CsAgCl <sub>2</sub> Perovskite Microcrystals for Photocatalytic CO <sub>2</sub> Reduction. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5110-5114.	4.6	26
17	Optimizing edges and defects of supported MoS <sub>2</sub> catalysts for hydrogen evolution <i>via</i> an external electric field. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 26083-26090.	2.8	25
18	Low-Coordinate Step Atoms via Plasma-Assisted Calcinations to Enhance Electrochemical Reduction of Nitrogen to Ammonia. <i>Small</i> , 2020, 16, e2000421.	10.0	24

#	ARTICLE	IF	CITATIONS
19	Graphene quantum dot/Co(OH) <sub>2</sub> electrode on nanoporous Au–Ag alloy for superior hybrid micro-supercapacitors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11441-11448.	5.5	22
20	Metastable phase control of two-dimensional transition metal dichalcogenides on metal substrates. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12245-12251.	5.5	16
21	Cu <sub>2</sub> O/CeO <sub>2</sub> Photoelectrochemical Water Splitting: A Nanocomposite with an Efficient Interfacial Transmission Path under the Coaction of a p–n Heterojunction and Micro-mesocrystals. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	7
22	Two-dimensional Au-1,3,5 triethynylbenzene organometallic lattice: Structure, half-metallicity, and gas sensing. <i>Journal of Chemical Physics</i> , 2018, 149, 024702.	3.0	5
23	Atomic Sandwiched p–n Homojunctions. <i>Angewandte Chemie</i> , 2021, 133, 3529-3534.	2.0	5
24	Intrinsic Electric Field and Excellent Photocatalytic Solar-to-Hydrogen Efficiency in 2D Janus Transition Metal Dichalcogenide. <i>Physica Status Solidi - Rapid Research Letters</i> , 2022, 16, 2100417.	2.4	2
25	Two-Photon Lasers: Perovskite CsPb <sub>2</sub> Br <sub>5</sub> Microplate Laser with Enhanced Stability and Tunable Properties ( <i>Advanced Optical Materials</i> 3/2017). <i>Advanced Optical Materials</i> , 2017, 5, .	7.3	1
26	3D Self-Supported NiS <sub>2</sub> /Ti <sub>3</sub> C <sub>2</sub> Tx-CC Composite Electrode for High-Performance Flexible Supercapacitors. <i>Integrated Ferroelectrics</i> , 2022, 226, 172-184.	0.7	0