Jing Wei

List of Publications by Year in Descending Order

27 papers	1,505 citations	15 h-index	29 g-index
29 ext. papers	1,910 ext. citations	10.4 avg, IF	4.77 L-index

#	Paper	IF	Citations
27	Defects and passivation in perovskite solar cells. *Surface Innovations*, **2022**, 10, 3-20	1.9	2
26	Light-Emitting Diodes Based on Two-Dimensional Nanoplatelets. *Energy Material Advances*, **2022**, 2022, 1-24	1	1
25	Recent Progress in Halide Perovskite Radiation Detectors for Gamma-Ray Spectroscopy. *ACS Energy Letters*, **2022**, 7, 1066-1085	20.1	9
24	Halide perovskites and perovskite related materials for particle radiation detection.. *Nanoscale*, **2022**,	7.7	4
23	Photostability enhancement of InP/ZnSe/ZnSeS/ZnS quantum dots by plasmonic nanostructures. *Nanotechnology*, **2021**, 32, 035204	3.4	6
22	Nanozyme-Powered Giant Unilamellar Vesicles for Mimicry and Modulation of Intracellular Oxidative Stress. *ACS Applied Materials & Interfaces*, **2021**, 13, 21087-21096	9.5	1
21	Mechanisms and Suppression of Photoinduced Degradation in Perovskite Solar Cells. *Advanced Energy Materials*, **2021**, 11, 2002326	21.8	53
20	Polymer Network Modified Mesoporous SnO2 for Enhanced Fill Factor in Perovskite Solar Cells. *ACS Applied Energy Materials*, **2021**, 4, 7481-7486	6.1	2
19	Carrier Dynamics in Alloyed Chalcogenide Quantum Dots and Their Light-Emitting Devices. *Advanced Energy Materials*, **2021**, 11, 2101693	21.8	9
18	Cation/Anion Exchange Reactions toward the Syntheses of Upgraded Nanostructures: Principles and Applications. *Matter*, **2020**, 2, 554-586	12.7	33
17	Polymer assisted deposition of high-quality CsPbI2Br film with enhanced film thickness and stability. *Nano Research*, **2020**, 13, 684-690	10	16
16	Machine learning-driven new material discovery. *Nanoscale Advances*, **2020**, 2, 3115-3130	5.1	30
15	2D/2D Electrical Contacts in the Monolayer WSe2 Transistors: A First-Principles Study. *ACS Applied Nano Materials*, **2019**, 2, 2796-2805	5.6	11
14	UV-Inert ZnTiO3 Electron Selective Layer for Photostable Perovskite Solar Cells. *Advanced Energy Materials*, **2019**, 9, 1901620	21.8	29
13	Enhanced Lifetime and Photostability with Low-Temperature Mesoporous ZnTiO /Compact SnO Electrodes in Perovskite Solar Cells. *Angewandte Chemie - International Edition*, **2019**, 58, 18460-18465	16.4	27
12	Machine learning in materials science. *Informa□□Materi□y*, **2019**, 1, 338-358	23.1	141
11	Enhanced Lifetime and Photostability with Low-Temperature Mesoporous ZnTiO3/Compact SnO2 Electrodes in Perovskite Solar Cells. *Angewandte Chemie*, **2019**, 131, 18631-18636	3.6	8

List of Publications

10	Layered hybrid perovskite solar cells based on single-crystalline precursor solutions with superior reproducibility. *Sustainable Energy and Fuels*, **2018**, 2, 2237-2243	5.8	15
9	SnO -in-Polymer Matrix for High-Efficiency Perovskite Solar Cells with Improved Reproducibility and Stability. *Advanced Materials*, **2018**, 30, e1805153	24	115
8	Potentials and challenges towards application of perovskite solar cells. *Science China Materials*, **2016**, 59, 769-778	7.1	13
7	Correlations between Immobilizing Ions and Suppressing Hysteresis in Perovskite Solar Cells. *ACS Energy Letters*, **2016**, 1, 266-272	20.1	93
6	Reversible Healing Effect of Water Molecules on Fully Crystallized Metal Halide Perovskite Film. *Journal of Physical Chemistry C*, **2016**, 120, 4759-4765	3.8	45
5	A polymer scaffold for self-healing perovskite solar cells. *Nature Communications*, **2016**, 7, 10228	17.4	439
4	Suppressed hysteresis and improved stability in perovskite solar cells with conductive organic network. *Nano Energy*, **2016**, 26, 139-147	17.1	83
3	Flexible perovskite solar cells based on the metal-insulator-semiconductor structure. *Chemical Communications*, **2016**, 52, 10791-4	5.8	22
2	Hysteresis Analysis Based on the Ferroelectric Effect in Hybrid Perovskite Solar Cells. *Journal of Physical Chemistry Letters*, **2014**, 5, 3937-45	6.4	291
1	Perovskite solar cells: Promise of photovoltaics. *Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica*, **2014**, 44, 801-821	1.3	7