

Jing Wei

List of Publications by Year in descending order

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29
papers

2,439
citations

430754

18
h-index

477173

29
g-index

29
all docs

29
docs citations

29
times ranked

3869
citing authors

#	ARTICLE	IF	CITATIONS
1	A polymer scaffold for self-healing perovskite solar cells. Nature Communications, 2016, 7, 10228.	5.8	532
2	Machine learning in materials science. Informa ^Å n ^Å -Materi ^Å ly, 2019, 1, 338-358.	8.5	427
3	Hysteresis Analysis Based on the Ferroelectric Effect in Hybrid Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2014, 5, 3937-3945.	2.1	329
4	SnO ₂ â€”Polymer Matrix for High Efficiency Perovskite Solar Cells with Improved Reproducibility and Stability. Advanced Materials, 2018, 30, e1805153.	11.1	185
5	Correlations between Immobilizing Ions and Suppressing Hysteresis in Perovskite Solar Cells. ACS Energy Letters, 2016, 1, 266-272.	8.8	118
6	Mechanisms and Suppression of Photoinduced Degradation in Perovskite Solar Cells. Advanced Energy Materials, 2021, 11, 2002326.	10.2	118
7	Machine learning-driven new material discovery. Nanoscale Advances, 2020, 2, 3115-3130.	2.2	111
8	Suppressed hysteresis and improved stability in perovskite solar cells with conductive organic network. Nano Energy, 2016, 26, 139-147.	8.2	97
9	Cation/Anion Exchange Reactions toward the Syntheses of Upgraded Nanostructures: Principles and Applications. Matter, 2020, 2, 554-586.	5.0	81
10	Reversible Healing Effect of Water Molecules on Fully Crystallized Metalâ€”Halide Perovskite Film. Journal of Physical Chemistry C, 2016, 120, 4759-4765.	1.5	55
11	Recent Progress in Halide Perovskite Radiation Detectors for Gamma-Ray Spectroscopy. ACS Energy Letters, 2022, 7, 1066-1085.	8.8	47
12	UVâ€”Inert ZnTiO ₃ Electron Selective Layer for Photostable Perovskite Solar Cells. Advanced Energy Materials, 2019, 9, 1901620.	10.2	43
13	Enhanced Lifetime and Photostability with Lowâ€”Temperature Mesoporous ZnTiO ₃ /Compact SnO ₂ Electrodes in Perovskite Solar Cells. Angewandte Chemie - International Edition, 2019, 58, 18460-18465.	7.2	33
14	Flexible perovskite solar cells based on the metalâ€”insulatorâ€”semiconductor structure. Chemical Communications, 2016, 52, 10791-10794.	2.2	30
15	Polymer assisted deposition of high-quality CsPbI ₂ Br film with enhanced film thickness and stability. Nano Research, 2020, 13, 684-690.	5.8	30
16	Carrier Dynamics in Alloyed Chalcogenide Quantum Dots and Their Lightâ€”Emitting Devices. Advanced Energy Materials, 2021, 11, 2101693.	10.2	29
17	Light-Emitting Diodes Based on Two-Dimensional Nanoplatelets. Energy Material Advances, 2022, 2022, .	4.7	26
18	2D/2D Electrical Contacts in the Monolayer WSe ₂ Transistors: A First-Principles Study. ACS Applied Nano Materials, 2019, 2, 2796-2805.	2.4	20

#	ARTICLE	IF	CITATIONS
19	Layered hybrid perovskite solar cells based on single-crystalline precursor solutions with superior reproducibility. <i>Sustainable Energy and Fuels</i> , 2018, 2, 2237-2243.	2.5	18
20	Defects and passivation in perovskite solar cells. <i>Surface Innovations</i> , 2022, 10, 3-20.	1.4	18
21	Halide perovskites and perovskite related materials for particle radiation detection. <i>Nanoscale</i> , 2022, 14, 6743-6760.	2.8	17
22	Nanozyme-Powered Giant Unilamellar Vesicles for Mimicry and Modulation of Intracellular Oxidative Stress. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 21087-21096.	4.0	15
23	Potentials and challenges towards application of perovskite solar cells. <i>Science China Materials</i> , 2016, 59, 769-778.	3.5	14
24	Enhanced Lifetime and Photostability with Low-Temperature Mesoporous ZnTiO ₃ /Compact SnO ₂ Electrodes in Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2019, 131, 18631-18636.	1.6	13
25	Photostability enhancement of InP/ZnSe/ZnSeS/ZnS quantum dots by plasmonic nanostructures. <i>Nanotechnology</i> , 2021, 32, 035204.	1.3	11
26	Polymer Network Modified Mesoporous SnO ₂ for Enhanced Fill Factor in Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 7481-7486.	2.5	10
27	Perovskite solar cells: Promise of photovoltaics. <i>Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica</i> , 2014, 44, 801-821.	0.3	8
28	Organic-Inorganic Hybrid Tin Halide Single Crystals with Sulfhydryl and Hydroxyl Groups: Formation, Optical Properties, and Stability. <i>Inorganic Chemistry</i> , 2022, 61, 6943-6952.	1.9	2
29	Surface-capping engineering for electrically neutral surface of perovskite films and stable solar cells. <i>Nanotechnology</i> , 2022, 33, 405405.	1.3	2