

Jing Wei

List of Publications by Citations

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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.

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	A polymer scaffold for self-healing perovskite solar cells. <i>Nature Communications</i> , 2016 , 7, 10228	17.4	439
26	Hysteresis Analysis Based on the Ferroelectric Effect in Hybrid Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 3937-45	6.4	291
25	Machine learning in materials science. <i>Information Materials</i> , 2019 , 1, 338-358	23.1	141
24	SnO ₂ -in-Polymer Matrix for High-Efficiency Perovskite Solar Cells with Improved Reproducibility and Stability. <i>Advanced Materials</i> , 2018 , 30, e1805153	24	115
23	Correlations between Immobilizing Ions and Suppressing Hysteresis in Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2016 , 1, 266-272	20.1	93
22	Suppressed hysteresis and improved stability in perovskite solar cells with conductive organic network. <i>Nano Energy</i> , 2016 , 26, 139-147	17.1	83
21	Mechanisms and Suppression of Photoinduced Degradation in Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2021 , 11, 2002326	21.8	53
20	Reversible Healing Effect of Water Molecules on Fully Crystallized Metal Halide Perovskite Film. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 4759-4765	3.8	45
19	Cation/Anion Exchange Reactions toward the Syntheses of Upgraded Nanostructures: Principles and Applications. <i>Matter</i> , 2020 , 2, 554-586	12.7	33
18	Machine learning-driven new material discovery. <i>Nanoscale Advances</i> , 2020 , 2, 3115-3130	5.1	30
17	UV-Inert ZnTiO ₃ Electron Selective Layer for Photostable Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2019 , 9, 1901620	21.8	29
16	Enhanced Lifetime and Photostability with Low-Temperature Mesoporous ZnTiO ₃ /Compact SnO ₂ Electrodes in Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 18460-18465	16.4	27
15	Flexible perovskite solar cells based on the metal-insulator-semiconductor structure. <i>Chemical Communications</i> , 2016 , 52, 10791-4	5.8	22
14	Polymer assisted deposition of high-quality CsPbI ₂ Br film with enhanced film thickness and stability. <i>Nano Research</i> , 2020 , 13, 684-690	10	16
13	Layered hybrid perovskite solar cells based on single-crystalline precursor solutions with superior reproducibility. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 2237-2243	5.8	15
12	Potentials and challenges towards application of perovskite solar cells. <i>Science China Materials</i> , 2016 , 59, 769-778	7.1	13
11	2D/2D Electrical Contacts in the Monolayer WSe ₂ Transistors: A First-Principles Study. <i>ACS Applied Nano Materials</i> , 2019 , 2, 2796-2805	5.6	11

10	Carrier Dynamics in Alloyed Chalcogenide Quantum Dots and Their Light-Emitting Devices. <i>Advanced Energy Materials</i> , 2021 , 11, 2101693	21.8	9
9	Recent Progress in Halide Perovskite Radiation Detectors for Gamma-Ray Spectroscopy. <i>ACS Energy Letters</i> , 2022 , 7, 1066-1085	20.1	9
8	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	3.6	8
7	Perovskite solar cells: Promise of photovoltaics. <i>Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica</i> , 2014 , 44, 801-821	1.3	7
6	Photostability enhancement of InP/ZnSe/ZnSeS/ZnS quantum dots by plasmonic nanostructures. <i>Nanotechnology</i> , 2021 , 32, 035204	3.4	6
5	Halide perovskites and perovskite related materials for particle radiation detection.. <i>Nanoscale</i> , 2022 ,	7.7	4
4	Defects and passivation in perovskite solar cells. <i>Surface Innovations</i> , 2022 , 10, 3-20	1.9	2
3	Polymer Network Modified Mesoporous SnO ₂ for Enhanced Fill Factor in Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021 , 4, 7481-7486	6.1	2
2	Light-Emitting Diodes Based on Two-Dimensional Nanoplatelets. <i>Energy Material Advances</i> , 2022 , 2022, 1-24	1	1
1	Nanozyme-Powered Giant Unilamellar Vesicles for Mimicry and Modulation of Intracellular Oxidative Stress. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 21087-21096	9.5	1