

Qi Wei

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,473
citations

777949

13
h-index

939365

18
g-index

19
all docs

19
docs citations

19
times ranked

2162
citing authors

#	ARTICLE	IF	CITATIONS
1	Chiral cation promoted interfacial charge extraction for efficient tin-based perovskite solar cells. <i>Journal of Energy Chemistry</i> , 2022, 68, 789-796.	7.1	16
2	Chances and challenges for tin perovskites. <i>Trends in Chemistry</i> , 2022, 4, 1-4.	4.4	7
3	Quasi-2D Bilayer Surface Passivation for High Efficiency Narrow Bandgap Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	40
4	Large Photomultiplication by Charge-Self-Trapping for High-Response Quantum Dot Infrared Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 14783-14790.	4.0	12
5	Quasi-2D Bilayer Surface Passivation for High Efficiency Narrow Bandgap Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	5
6	Large-Size and Polarization-Sensitive Two-Dimensional Sn Perovskite Single Crystals. , 2022, 4, 987-994.		8
7	Tin Halide Perovskite Solar Cells: An Emerging Thin-Film Photovoltaic Technology. <i>Accounts of Materials Research</i> , 2021, 2, 210-219.	5.9	147
8	Enhanced Electrochemical Stability by Alkyldiammonium in Dion-Jacobson Perovskite toward Ultrastable Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2021, 9, 2100243.	3.6	21
9	Low-Dimensional Inorganic Tin Perovskite Solar Cells Prepared by Templated Growth. <i>Angewandte Chemie</i> , 2021, 133, 16466-16472.	1.6	13
10	Low-Dimensional Inorganic Tin Perovskite Solar Cells Prepared by Templated Growth. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16330-16336.	7.2	48
11	Efficient and stable Ruddlesden-Popper layered tin-based perovskite solar cells enabled by ionic liquid-bulky spacers. <i>Science China Chemistry</i> , 2021, 64, 1577-1585.	4.2	26
12	One-Step Synthesis of Sn ₂ ·(DMSO) _x Adducts for High-Performance Tin Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2021, 143, 10970-10976.	6.6	280
13	Cs _{0.15} FA _{0.85} PbI ₃ /Cs _x FA _{1-x} PbI ₃ Core/Shell Heterostructure for Highly Stable and Efficient Perovskite Solar Cells. <i>Cell Reports Physical Science</i> , 2020, 1, 100224.	2.8	35
14	Toward high efficiency tin perovskite solar cells: A perspective. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	25
15	Inverted Si:PbS Colloidal Quantum Dot Heterojunction-Based Infrared Photodetector. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 15414-15421.	4.0	53
16	Theoretical Study of Using Kinetics Strategy to Enhance the Stability of Tin Perovskite. <i>Energy and Environmental Materials</i> , 2020, 3, 541-547.	7.3	13
17	Ultra-high open-circuit voltage of tin perovskite solar cells via an electron transporting layer design. <i>Nature Communications</i> , 2020, 11, 1245.	5.8	408
18	Highly stable hybrid perovskite light-emitting diodes based on Dion-Jacobson structure. <i>Science Advances</i> , 2019, 5, eaaw8072.	4.7	188

#	ARTICLE	IF	CITATIONS
19	Efficient and Stable Inverted Perovskite Solar Cells Incorporating Secondary Amines. <i>Advanced Materials</i> , 2019, 31, e1903559.	11.1	128