

Tao Zhang

List of Publications by Year in descending order

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14
papers

472
citations

840776

11
h-index

1058476

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14
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14
docs citations

14
times ranked

685
citing authors

#	ARTICLE	IF	CITATIONS
1	Black phosphorus quantum dots in inorganic perovskite thin films for efficient photovoltaic application. <i>Science Advances</i> , 2020, 6, eaay5661.	10.3	95
2	Efficient CsSnI ₃ -based inorganic perovskite solar cells based on a mesoscopic metal oxide framework incorporating a donor element. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4118-4124.	10.3	75
3	Layered Ruddlesden-Popper Efficient Perovskite Solar Cells with Controlled Quantum and Dielectric Confinement Introduced via Doping. <i>Advanced Functional Materials</i> , 2019, 29, 1903293.	14.9	66
4	Low-Temperature Stable δ -Phase Inorganic Perovskite Compounds via Crystal Cross-Linking. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 200-205.	4.6	57
5	Stabilization of Inorganic CsPb _{0.5} Sn _{0.5} I ₂ Br Perovskite Compounds by Antioxidant Tea Polyphenol. <i>Solar Rrl</i> , 2020, 4, 1900457.	5.8	43
6	Fully Inorganic CsSnI ₃ Mesoporous Perovskite Solar Cells with High Efficiency and Stability via Coadditive Engineering. <i>Solar Rrl</i> , 2021, 5, 2100069.	5.8	29
7	Cation-Assisted Restraint of a Wide Quantum Well and Interfacial Charge Accumulation in Two-Dimensional Perovskites. <i>ACS Energy Letters</i> , 2018, 3, 1815-1823.	17.4	22
8	Recent progress in inorganic tin perovskite solar cells. <i>Materials Today Energy</i> , 2022, 23, 100891.	4.7	16
9	Minimizing energy loss in two-dimensional tin halide perovskite solar cells—A perspective. <i>APL Materials</i> , 2021, 9, .	5.1	13
10	Preventing inhomogeneous elemental distribution and phase segregation in mixed Pb-Sn inorganic perovskites via incorporating PbS quantum dots. <i>Journal of Energy Chemistry</i> , 2022, 65, 179-185.	12.9	13
11	Controlling Quantum-Well Width Distribution and Crystal Orientation in Two-Dimensional Tin Halide Perovskites via a Strong Interlayer Electrostatic Interaction. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49907-49915.	8.0	13
12	Investigation on In-TiO ₂ composites as highly efficient electrocatalyst for CO ₂ reduction. <i>Electrochimica Acta</i> , 2020, 340, 135948.	5.2	11
13	Stable and efficient full-printable solar cells using inorganic metal oxide framework and inorganic perovskites. <i>Applied Materials Today</i> , 2020, 20, 100644.	4.3	10
14	Efficient and Stable Large-Area Perovskite Solar Cells with Inorganic Perovskite/Carbon Quantum Dot-Graded Heterojunction. <i>Research</i> , 2021, 2021, 9845067.	5.7	9