

Kai Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

369
citations

1307594

7
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

551
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Driven Perovskite Narrowband Photodetectors with Tunable Spectral Responses. <i>Advanced Materials</i> , 2021, 33, e2005557.	21.0	109
2	A prenucleation strategy for ambient fabrication of perovskite solar cells with high device performance uniformity. <i>Nature Communications</i> , 2020, 11, 1006.	12.8	98
3	Freeing the Polarons to Facilitate Charge Transport in BiVO_4 from Oxygen Vacancies with an Oxidative 2D Precursor. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 19087-19095.	13.8	64
4	Surface passivation of organometal halide perovskites by atomic layer deposition: an investigation of the mechanism of efficient inverted planar solar cells. <i>Nanoscale Advances</i> , 2021, 3, 2305-2315.	4.6	25
5	Freeing the Polarons to Facilitate Charge Transport in BiVO_4 from Oxygen Vacancies with an Oxidative 2D Precursor. <i>Angewandte Chemie</i> , 2019, 131, 19263-19271.	2.0	21
6	Self-Driven Perovskite Dual-Band Photodetectors Enabled by a Charge Separation Reversion Mechanism. <i>Advanced Optical Materials</i> , 2021, 9, 2100517.	7.3	21
7	Good or evil: what is the role of water in crystallization of organometal halide perovskites?. <i>Nanoscale Horizons</i> , 2020, 5, 1147-1154.	8.0	11
8	Boosting performance and stability of inverted perovskite solar cells by modulating the cathode interface with phenyl phosphine-inlaid semiconducting polymer. <i>Nano Energy</i> , 2021, 89, 106374.	16.0	10
9	Building Bulk Heterojunction to Enhance Hole Extraction for High-Performance Printable Carbon-Based Perovskite Solar Cells. <i>Solar Rrl</i> , 2022, 6, .	5.8	6
10	A Heat-Liquefiable Solid Precursor for Ambient Growth of Perovskites with High Tunability, Performance and Stability. <i>Small Methods</i> , 2022, 6, .	8.6	4