

Xiaokun Yang

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

491
citations

1163117

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1474206

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11
docs citations

11
times ranked

770
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface & grain boundary co-passivation by fluorocarbon based bifunctional molecules for perovskite solar cells with efficiency over 21%. Journal of Materials Chemistry A, 2019, 7, 2497-2506.	10.3	141
2	Embedding laser generated nanocrystals in BiVO ₄ photoanode for efficient photoelectrochemical water splitting. Nature Communications, 2019, 10, 2609.	12.8	140
3	Double Barriers for Moisture Degradation: Assembly of Hydrolysable Hydrophobic Molecules for Stable Perovskite Solar Cells with High Open-Circuit Voltage. Advanced Functional Materials, 2020, 30, 2002639.	14.9	61
4	Laser-Generated Supranano Liquid Metal as Efficient Electron Mediator in Hybrid Perovskite Solar Cells. Advanced Materials, 2020, 32, e2001571.	21.0	46
5	Laser-Generated Nanocrystals in Perovskite: Universal Embedding of Ligand-Free and Sub-10 nm Nanocrystals in Solution-Processed Metal Halide Perovskite Films for Effectively Modulated Optoelectronic Performance. Advanced Energy Materials, 2019, 9, 1901341.	19.5	42
6	Acetate-Based Crystallization Kinetics Modulation of CsPbI ₂ Br for Improved Photovoltaic Performance. ACS Applied Energy Materials, 2020, 3, 658-665.	5.1	21
7	Embedding of WO ₃ nanocrystals with rich oxygen-vacancies in solution processed perovskite film for improved photovoltaic performance. Journal of Power Sources, 2020, 461, 228175.	7.8	17
8	Grain-Boundaries-Engineering via Laser Manufactured La-Doped BaSnO ₃ Nanocrystals with Tailored Surface States Enabling Perovskite Solar Cells with Efficiency of 23.74%. Advanced Functional Materials, 2022, 32, 2112388.	14.9	16
9	Hydrolyzable Hydrophobic Molecules: Double Barriers for Moisture Degradation: Assembly of Hydrolysable Hydrophobic Molecules for Stable Perovskite Solar Cells with High Open-Circuit Voltage (Adv. Funct. Mater. 28/2020). Advanced Functional Materials, 2020, 30, 2070189.	14.9	0