

Junmin Xia

List of Publications by Year in descending order

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papers

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933447

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948
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Passivation Toward Efficient and Stable Perovskite Solar Cells. Energy and Environmental Materials, 2023, 6, .	12.8	46
2	High-performance flexible perovskite photodetectors based on single-crystal-like two-dimensional Ruddlesden-Popper thin films. , 2023, 5, .		23
3	Recent Progress in Perovskite-Based Reversible Photon-Electricity Conversion Devices. Advanced Functional Materials, 2022, 32, 2108926.	14.9	18
4	Two-Dimensional Heterostructure of MoS ₂ /BA ₂ PbI ₄ 2D Ruddlesden-Popper Perovskite with an S Scheme Alignment for Solar Cells: A First-Principles Study. ACS Applied Electronic Materials, 2022, 4, 1939-1948.	4.3	11
5	Anion induced bottom surface passivation for high performance perovskite solar cell. Chemical Engineering Journal, 2022, 442, 135895.	12.7	5
6	Manipulation of Band Alignment in Two-Dimensional Vertical WSe ₂ /BA ₂ PbI ₄ Ruddlesden-Popper Perovskite Heterojunctions via Defect Engineering. Journal of Physical Chemistry Letters, 2022, 13, 4579-4588.	4.6	10
7	Two-dimensional Ruddlesden-Popper layered perovskite solar cells based on phase-pure thin films. Nature Energy, 2021, 6, 38-45.	39.5	342
8	Deep surface passivation for efficient and hydrophobic perovskite solar cells. Journal of Materials Chemistry A, 2021, 9, 2919-2927.	10.3	74
9	Phase Tailoring of Ruddlesden-Popper Perovskite at Fixed Large Spacer Cation Ratio. Small, 2021, 17, e2100560.	10.0	10
10	Ultrasensitive Organic-Modulated CsPbBr ₃ Quantum Dot Photodetectors via Fast Interfacial Charge Transfer. Advanced Materials Interfaces, 2020, 7, 1901741.	3.7	20
11	Effective Surface Ligand-Concentration Tuning of Deep-Blue Luminescent FAPbBr ₃ Nanoplatelets with Enhanced Stability and Charge Transport. ACS Applied Materials & Interfaces, 2020, 12, 31863-31874.	8.0	37
12	Controlling the film structure by regulating 2D Ruddlesden-Popper perovskite formation enthalpy for efficient and stable tri-cation perovskite solar cells. Journal of Materials Chemistry A, 2020, 8, 5874-5881.	10.3	23
13	Towards Simplifying the Device Structure of High-Performance Perovskite Solar Cells. Advanced Functional Materials, 2020, 30, 2000863.	14.9	67
14	Pure Bromide-Based Perovskite Nanoplatelets for Blue Light-Emitting Diodes. Small Methods, 2019, 3, 1900196.	8.6	34