

2D perovskite stabilized phase-pure formamidinium pe

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Dimensionality engineering of hybrid halide perovskite light absorbers. Nature Communications, 2018, 9, 5028.	5.8	245
2	Attaining High Photovoltaic Efficiency and Stability with Multidimensional Perovskites. ChemSusChem, 2018, 11, 4193-4202.	3.6	16
3	Face-shared structures of one-dimensional organic-inorganic lead iodide perovskites. Applied Physics Express, 2018, 11, 115502.	1.1	3
4	Self-Passivation of 2D Ruddlesden-Popper Perovskite by Polytypic Surface PbI <sub>2</sub> Encapsulation. Nano Letters, 2019, 19, 6109-6117.	4.5	31
5	Lasing from Mechanically Exfoliated 2D Homologous Ruddlesden-Popper Perovskite Engineered by Inorganic Layer Thickness. Advanced Materials, 2019, 31, e1903030.	11.1	128
6	Highly Efficient and Stable Planar Perovskite Solar Cells with Modulated Diffusion Passivation Toward High Power Conversion Efficiency and Ultrahigh Fill Factor. Solar Rrl, 2019, 3, 1900293.	3.1	87
7	A Modulated Double-Passivation Strategy Toward Highly Efficient Perovskite Solar Cells with Efficiency Over 21%. Solar Rrl, 2019, 3, 1900291.	3.1	12
8	A New Organic Interlayer Spacer for Stable and Efficient 2D Ruddlesden-Popper Perovskite Solar Cells. Nano Letters, 2019, 19, 5237-5245.	4.5	76
9	Fully-ambient-air and antisolvent-free-processed stable perovskite solar cells with perovskite-based composites and interface engineering. Nano Energy, 2019, 64, 103964.	8.2	35
10	A Butterfly-Inspired Hierarchical Light-Trapping Structure towards a High-Performance Polarization-Sensitive Perovskite Photodetector. Angewandte Chemie - International Edition, 2019, 58, 16456-16462.	7.2	67
11	Review of Stability Enhancement for Formamidinium-Based Perovskites. Solar Rrl, 2019, 3, 1900215.	3.1	60
12	Incorporating mixed cations in quasi-2D perovskites for high-performance and flexible photodetectors. Nanoscale Horizons, 2019, 4, 1342-1352.	4.1	35
13	Potassium ions as a kinetic controller in ionic double layers for hysteresis-free perovskite solar cells. Journal of Materials Chemistry A, 2019, 7, 18807-18815.	5.2	54
14	Aqueous Phase Exfoliating Quasi-2D CsPbBr <sub>3</sub> Nanosheets with Ultrahigh Intrinsic Water Stability. Small, 2019, 15, e1901994.	5.2	45
15	Recent Progress in High-Efficiency Planar-Structure Perovskite Solar Cells. Energy and Environmental Materials, 2019, 2, 93-106.	7.3	45
16	Bimolecular Additives Improve Wide-Band-Gap Perovskites for Efficient Tandem Solar Cells with CIGS. Joule, 2019, 3, 1734-1745.	11.7	227
17	Synthesis of Polycrystalline Ruddlesden-Popper Organic Lead Halides and Their Growth Dynamics. Chemistry of Materials, 2019, 31, 9472-9479.	3.2	18
18	Interfacial Residual Stress Relaxation in Perovskite Solar Cells with Improved Stability. Advanced Materials, 2019, 31, e1904408.	11.1	259

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19	Efficient, stable solar cells by using inherent bandgap of $\hat{\Gamma}$ -phase formamidinium lead iodide. <i>Science</i> , 2019, 366, 749-753.	6.0	936
20	Mechanism of $\text{PbI}_2$ in Situ Passivated Perovskite Films for Enhancing the Performance of Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 44101-44108.	4.0	100
21	Template-Assisted Formation of High-Quality $\hat{\Gamma}$ -Phase $\text{HC}(\text{NH}_2)_2\text{PbI}_3$ Perovskite Solar Cells. <i>Advanced Science</i> , 2019, 6, 1901591.	5.6	29
22	Advanced partial nucleation for single-phase $\text{FA}_{0.92}\text{MA}_{0.08}\text{PbI}_3$ -based high-efficiency perovskite solar cells. <i>Science China Materials</i> , 2019, 62, 1846-1856.	3.5	10
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25	Defect Engineering of Grain Boundaries in Lead-Free Halide Double Perovskites for Better Optoelectronic Performance. <i>Advanced Functional Materials</i> , 2019, 29, 1805870.	7.8	30
26	Pressure-Induced Emission (PIE) and Phase Transition of a Two-dimensional Halide Double Perovskite $(\text{BA})_4\text{AgBiBr}_8(\text{BA}=\text{CH}_3(\text{CH}_2)_2\text{NH}_3)$ . <i>Angewandte Chemie</i> , 2019, 131, 15393-15397.	1.6	36
27	A Butterfly-Inspired Hierarchical Light-Trapping Structure towards a High-Performance Polarization-Sensitive Perovskite Photodetector. <i>Angewandte Chemie</i> , 2019, 131, 16608-16614.	1.6	26
28	Pressure-Induced Emission (PIE) and Phase Transition of a Two-dimensional Halide Double Perovskite $(\text{BA})_4\text{AgBiBr}_8(\text{BA}=\text{CH}_3(\text{CH}_2)_2\text{NH}_3)$ . <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15249-15253.	7.2	105
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43	Perovskite films with a sacrificial cation for solar cells with enhanced stability based on carbon electrodes. <i>Journal of Alloys and Compounds</i> , 2019, 797, 811-819.	2.8	21
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