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Efficient and Stable All-Inorganic Perovskite Solar Cells

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#	Paper	IF	Citations
30	Reversible Pb ²⁺ /Pb ⁰ and I ³⁻ /I ⁻ Redox Chemistry Drives the Light-Induced Phase Segregation in All-Inorganic Mixed Halide Perovskites. <i>Advanced Energy Materials</i> , 2021 , 11, 2002934	21.8	22
29	Suppression of hysteresis in all-inorganic perovskite solar cells by the incorporation of PCBM. <i>Applied Physics Letters</i> , 2021 , 118, 123502	3.4	7
28	Slow halide exchange in CsPbI ₂ Br ₂ films for high-efficiency, carbon-based, all-inorganic perovskite solar cells. <i>Science China Materials</i> , 2021 , 64, 2107-2117	7.1	3
27	Progresses on Novel B-Site Perovskite Nanocrystals. <i>Advanced Optical Materials</i> , 2021 , 9, 2100261	8.1	2
26	Insights into the Development of Monolithic Perovskite/Silicon Tandem Solar Cells. <i>Advanced Energy Materials</i> , 2003628	21.8	18
25	Probing the Electron Beam-Induced Structural Evolution of Halide Perovskite Thin Films by Scanning Transmission Electron Microscopy. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 10786-10794	3.8	4
24	Fabrication of Porous Lead Bromide Films by Introducing Indium Tribromide for Efficient Inorganic CsPbBr ₃ Perovskite Solar Cells. <i>Nanomaterials</i> , 2021 , 11,	5.4	0
23	One-Step Spray-Coated All-Inorganic CsPbI ₂ Br Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021 , 4, 5466-5474	6.1	6
22	A Study of Interfacial Electronic Structure at the CuPc/CsPbI ₂ Br Interface. <i>Crystals</i> , 2021 , 11, 547	2.3	1
21	An Overview for Zero-Dimensional Broadband Emissive Metal-Halide Single Crystals. <i>Advanced Optical Materials</i> , 2021 , 9, 2100544	8.1	33
20	Carbon-based all-inorganic perovskite solar cells: Progress, challenges and strategies toward 20% efficiency. <i>Materials Today</i> , 2021 ,	21.8	6
19	Interfacial Defect Passivation and Stress Release via Multi-Active-Site Ligand Anchoring Enables Efficient and Stable Methylammonium-Free Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2021 , 6, 2526-2538	20.1	47
18	Preparation of CsPbBr ₃ Films for Efficient Perovskite Solar Cells from Aqueous Solutions. <i>ACS Applied Energy Materials</i> , 2021 , 4, 5504-5510	6.1	7
17	Recent Progress on All-Inorganic Metal Halide Perovskite Solar Cells. <i>Materials Today Nano</i> , 2021 , 1001437	3.7	5
16	All-Inorganic CsPbI ₂ Br Perovskite Solar Cells: Recent Developments and Challenges. <i>Energy Technology</i> , 2021 , 9, 2100691	3.5	5
15	Mini-review on all-inorganic lead-based perovskite solar cells: challenges and opportunities for production and upscaling. <i>Emergent Materials</i> , 2022 , 5, 207-225	3.5	1
14	Strategies for high-performance perovskite solar cells from materials, film engineering to carrier dynamics and photon management. <i>Informa Mater</i> ,	23.1	4

13	Improving the Quality of CsPbBr ₃ Films by Applying the Light Soak. <i>ACS Applied Energy Materials</i> ,	6.1	
12	Simple Ball-Milled Molybdenum Sulfide Nanosheets for Effective Interface Passivation with Self-repairing Function to Attain High-Performance Perovskite Solar Cells. <i>Solar Rrl</i> ,	7.1	0
11	Fundamentals and Applications of Doping and Alloying in Perovskite Photovoltaics. 2022 , 129-171		
10	One-Step Thermal Gradient- and Antisolvent-Free Crystallization of All-Inorganic Perovskites for Highly Efficient and Thermally Stable Solar Cells. <i>Advanced Science</i> , 2202441	13.6	3
9	Atomic Layer Deposition of CsI and CsPbI ₃ . <i>Chemistry of Materials</i> , 2022 , 34, 6087-6097	9.6	3
8	Investigating the capacitive properties of all-inorganic lead halides perovskite solar cells using energy band diagrams. 2022 ,		0
7	Multifunctional Passivator Trifluoroacetamide for Improving the Performance of All-Inorganic CsPbI ₃ Perovskite Solar Cells. 2200809		0
6	High-quality all-inorganic CsPbI ₂ Br thin films derived from phase-pure intermediate for efficient wide-bandgap perovskite solar cells. 2022 , 123728		0
5	Preannealing Process Improves the Efficiency of CsPbI ₂ Br Perovskite Solar Cells. 2200544		0
4	Over 32% efficient all-inorganic two-terminal CsPbI ₂ Br/Si tandem solar cells: A numerical investigation.		0
3	Study the C-V behavior of cesium-lead halides perovskite solar cells under various simulation parameters. 2022 ,		0
2	A comprehensive study on RbGeI ₃ based inorganic perovskite solar cell using green synthesized CuCrO ₂ as hole conductor. 2023 , 439, 114623		1
1	All-inorganic perovskite solar cells featuring mixed group IVA cations.		0