

Organometal halide perovskite solar cells: degradation

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Modeling and Design of a New Flexible Graphene-on-Silicon Schottky Junction Solar Cell. Electronics (Switzerland), 2016, 5, 73.	1.8	9
3	Perovskite Solar Cells: Progress and Advancements. Energies, 2016, 9, 861.	1.6	106
4	Humidity versus photo-stability of metal halide perovskite films in a polymer matrix. Physical Chemistry Chemical Physics, 2016, 18, 21629-21639.	1.3	75
5	The Progress of Interface Design in Perovskite-Based Solar Cells. Advanced Energy Materials, 2016, 6, 1600460.	10.2	139
6	Stabilization of Organic-Inorganic Perovskite Layers by Partial Substitution of Iodide by Bromide in Methylammonium Lead Iodide. ChemPhysChem, 2016, 17, 1505-1511.	1.0	49
7	Effects of a Molecular Monolayer Modification of NiO Nanocrystal Layer Surfaces on Perovskite Crystallization and Interface Contact toward Faster Hole Extraction and Higher Photovoltaic Performance. Advanced Functional Materials, 2016, 26, 2950-2958.	7.8	305
8	Hole-Transporting Materials for Perovskite-Sensitized Solar Cells. Energy Technology, 2016, 4, 891-938.	1.8	50
9	Air-Stable, Efficient Mixed-Cation Perovskite Solar Cells with Cu Electrode by Scalable Fabrication of Active Layer. Advanced Energy Materials, 2016, 6, 1600372.	10.2	275
10	Efficient thermal conductance in organometallic perovskite CH ₃ NH ₃ PbI ₃ films. Applied Physics Letters, 2016, 108, 081902.	1.5	22
11	Research Update: Behind the high efficiency of hybrid perovskite solar cells. APL Materials, 2016, 4, .	2.2	47
12	In-situ observation of moisture-induced degradation of perovskite solar cells using laser-beam induced current. , 2016, , .		12
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14	Degradation mechanism of CH ₃ NH ₃ PbI ₃ perovskite materials upon exposure to humid air. Journal of Applied Physics, 2016, 119, .	1.1	168
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16	On Mott-Schottky analysis interpretation of capacitance measurements in organometal perovskite solar cells. Applied Physics Letters, 2016, 109, .	1.5	328
17	Electro- and photoluminescence imaging as fast screening technique of the layer uniformity and device degradation in planar perovskite solar cells. Journal of Applied Physics, 2016, 120, .	1.1	27
18	A review of recent plasmonic nanoparticles incorporated P3HT: PCBM organic thin film solar cells. Organic Electronics, 2016, 36, 12-28.	1.4	84
19	Not All That Glitters Is Gold: Metal-Migration-Induced Degradation in Perovskite Solar Cells. ACS Nano, 2016, 10, 6306-6314.	7.3	966

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21	Achieving high efficiency and improved stability in large-area ITO-free perovskite solar cells with thiol-functionalized self-assembled monolayers. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7903-7913.	5.2	64
22	Dopant-free polymeric hole transport materials for highly efficient and stable perovskite solar cells. <i>Energy and Environmental Science</i> , 2016, 9, 2326-2333.	15.6	317
23	Photostability and Moisture Stability of CH ₃ NH ₃ PbI ₃ -based Solar Cells by Ethyl Cellulose. <i>ChemPlusChem</i> , 2016, 81, 1292-1298.	1.3	23
24	Film Grain-Size Related Long-Term Stability of Inverted Perovskite Solar Cells. <i>ChemSusChem</i> , 2016, 9, 2666-2672.	3.6	102
25	Progress, challenges and perspectives in flexible perovskite solar cells. <i>Energy and Environmental Science</i> , 2016, 9, 3007-3035.	15.6	345
26	High-quality perovskite in thick scaffold: a core issue for hole transport material-free perovskite solar cells. <i>Science Bulletin</i> , 2016, 61, 1680-1688.	4.3	17
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40	Engineering of CH ₃ NH ₃ Pb ₃ Perovskite Crystals by Alloying Large Organic Cations for Enhanced Thermal Stability and Transport Properties. Angewandte Chemie, 2016, 128, 10844-10848.	1.6	18
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129	Metal Nanowire Electrode Based Perovskite Solar Cells: Challenging Issues and New Opportunities. <i>Advanced Energy Materials</i> , 2017, 7, 1602751.	10.2	62
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438	An optical fibre-based sensor for the detection of gaseous ammonia with methylammonium lead halide perovskite. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6988-6995.	2.7	54
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