

23.6%-efficient monolithic perovskite/silicon tandem solar cells

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Perovskite Solar Cells: The Birth of a New Era in Photovoltaics. ACS Energy Letters, 2017, 2, 822-830.	8.8	305
2	Efficient Light Management by Textured Nanoimprinted Layers for Perovskite Solar Cells. ACS Photonics, 2017, 4, 1232-1239.	3.2	103
3	Recent progress in stabilizing hybrid perovskites for solar cell applications. Journal of Power Sources, 2017, 355, 98-133.	4.0	96
4	Nondestructive Probing of Perovskite Silicon Tandem Solar Cells Using Multiwavelength Photoluminescence Mapping. IEEE Journal of Photovoltaics, 2017, 7, 1081-1086.	1.5	24
5	Growth patterns and properties of aerosol-assisted chemical vapor deposition of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> films in a single step. Surface and Coatings Technology, 2017, 321, 336-340.	2.2	15
6	Balancing optimization and innovation. Nature Energy, 2017, 2, .	19.8	1
7	Synergistic Effects of Lead Thiocyanate Additive and Solvent Annealing on the Performance of Wide-Bandgap Perovskite Solar Cells. ACS Energy Letters, 2017, 2, 1177-1182.	8.8	190
8	Solution-processed perovskite-kesterite reflective tandem solar cells. Solar Energy, 2017, 155, 35-38.	2.9	16
9	Inorganic CsPbI <sub>3</sub> Perovskite-Based Solar Cells: A Choice for a Tandem Device. Solar Rrl, 2017, 1, 1700048.	3.1	268
10	Secondary Hydrothermally Processed Engineered Titanium Dioxide Nanostructures for Efficient Perovskite Solar Cells. Energy Technology, 2017, 5, 1775-1787.	1.8	6
11	Solar cell efficiency tables (version 50). Progress in Photovoltaics: Research and Applications, 2017, 25, 668-676.	4.4	792
12	Correlation between Photoluminescence and Carrier Transport and a Simple In Situ Passivation Method for High-Bandgap Hybrid Perovskites. Journal of Physical Chemistry Letters, 2017, 8, 3289-3298.	2.1	41
13	Low-refractive-index nanoparticle interlayers to reduce parasitic absorption in metallic rear reflectors of solar cells. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700179.	0.8	12
14	Energy-Down-Shift CsPbCl <sub>3</sub> :Mn Quantum Dots for Boosting the Efficiency and Stability of Perovskite Solar Cells. ACS Energy Letters, 2017, 2, 1479-1486.	8.8	221
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16	Rubidium Multication Perovskite with Optimized Bandgap for Perovskite-Silicon Tandem with over 26% Efficiency. Advanced Energy Materials, 2017, 7, 1700228.	10.2	443
17	Towards enabling stable lead halide perovskite solar cells; interplay between structural, environmental, and thermal stability. Journal of Materials Chemistry A, 2017, 5, 11483-11500.	5.2	319
18	Toward Full Solution Processed Perovskite/Si Monolithic Tandem Solar Device With PCE Exceeding 20%. Solar Rrl, 2017, 1, 1700149.	3.1	69

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19	Improved stability and efficiency of perovskite solar cells with submicron flexible barrier films deposited in air. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22975-22983.	5.2	38
20	The influence of hybrid alumina/titania materials as electron transmission layer in planar high-performance perovskite solar cells. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	2
21	Research progress on large-area perovskite thin films and solar modules. <i>Journal of Materiomics</i> , 2017, 3, 231-244.	2.8	75
22	The Potential of Multijunction Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2017, 2, 2506-2513.	8.8	272
23	Low temperature perovskite solar cells with an evaporated TiO <sub>2</sub> compact layer for perovskite silicon tandem solar cells. <i>Energy Procedia</i> , 2017, 124, 567-576.	1.8	21
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25	Monolithic perovskite/silicon-homojunction tandem solar cell with over 22% efficiency. <i>Energy and Environmental Science</i> , 2017, 10, 2472-2479.	15.6	178
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27	Perovskite Photovoltaics: The Path to a Printable Terawatt-Scale Technology. <i>ACS Energy Letters</i> , 2017, 2, 2540-2544.	8.8	64
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29	ABX <sub>3</sub> Perovskites for Tandem Solar Cells. <i>Joule</i> , 2017, 1, 769-793.	11.7	176
30	Electronic structure of organic-inorganic lanthanide iodide perovskite solar cell materials. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23131-23138.	5.2	28
31	Photoluminescence from Radiative Surface States and Excitons in Methylammonium Lead Bromide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4258-4263.	2.1	46
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38	Too Many Junctions? A Case Study of Multijunction Thin-Film Silicon Solar Cells. Advanced Sustainable Systems, 2017, 1, 1700077.	2.7	11
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