

A solvent- and vacuum-free route to large-area perovskite modules

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A chemical approach to perovskite solar cells: control of electron-transporting mesoporous TiO ₂ and utilization of nanocarbon materials. Dalton Transactions, 2017, 46, 15615-15627.	1.6	20
2	Perovskite solar modules hit new efficiency record. Science Bulletin, 2017, 62, 1293-1294.	4.3	0
3	Perovskite Photovoltaics: The Path to a Printable Terawatt-Scale Technology. ACS Energy Letters, 2017, 2, 2540-2544.	8.8	64
4	Locking of Methylammonium by Pressure-Enhanced H-Bonding in (CH ₃) ₃ NH ₃ PbBr ₃ Hybrid Perovskite. Journal of Physical Chemistry C, 2017, 121, 28125-28131.	1.5	35
5	First-Principles Study of Electron Injection and Defects at the TiO ₂ /CH ₃ NH ₃ PbI ₃ Interface of Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2017, 8, 5840-5847.	2.1	31
6	Microstructure variations induced by excess PbX ₂ or AX within perovskite thin films. Chemical Communications, 2017, 53, 12966-12969.	2.2	9
7	Sequential Processing: Spontaneous Improvements in Film Quality and Interfacial Engineering for Efficient Perovskite Solar Cells. Solar Rrl, 2018, 2, 1800027.	3.1	33
8	Interfacial benzenethiol modification facilitates charge transfer and improves stability of cm-sized metal halide perovskite solar cells with up to 20% efficiency. Energy and Environmental Science, 2018, 11, 1880-1889.	15.6	148
9	Quasi-2D Inorganic CsPbBr ₃ Perovskite for Efficient and Stable Light-Emitting Diodes. Advanced Functional Materials, 2018, 28, 1801193.	7.8	108
10	Totally room-temperature solution-processing method for fabricating flexible perovskite solar cells using an Nb ₂ O ₅ -TiO ₂ electron transport layer. RSC Advances, 2018, 8, 12823-12831.	1.7	25
11	Interface Engineering Based on Liquid Metal for Compact-Layer-free, Fully Printable Mesoscopic Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 15616-15623.	4.0	31
12	Low-Temperature Presynthesized Crystalline Tin Oxide for Efficient Flexible Perovskite Solar Cells and Modules. ACS Applied Materials & Interfaces, 2018, 10, 14922-14929.	4.0	81
13	Oxygen- and Water-Induced Energetics Degradation in Organometal Halide Perovskites. ACS Applied Materials & Interfaces, 2018, 10, 16225-16230.	4.0	66
14	Historical Analysis of Champion Photovoltaic Module Efficiencies. IEEE Journal of Photovoltaics, 2018, 8, 363-372.	1.5	37
15	Passivation in perovskite solar cells: A review. Materials Today Energy, 2018, 7, 267-286.	2.5	170
16	Ligand-Free, Highly Dispersed NiO _x Nanocrystal for Efficient, Stable, Low-Temperature Processable Perovskite Solar Cells. Solar Rrl, 2018, 2, 1800004.	3.1	58
17	Bifunctional Hydroxylamine Hydrochloride Incorporated Perovskite Films for Efficient and Stable Planar Perovskite Solar Cells. ACS Applied Energy Materials, 2018, 1, 900-909.	2.5	81
18	Research progress on organic-inorganic halide perovskite materials and solar cells. Journal Physics D: Applied Physics, 2018, 51, 093001.	1.3	56

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19	One-Step Inkjet Printed Perovskite in Air for Efficient Light Harvesting. <i>Solar Rrl</i> , 2018, 2, 1700217.	3.1	90
20	Low-Temperature Processed, Efficient, and Highly Reproducible Cesium-Doped Triple Cation Perovskite Planar Heterojunction Solar Cells. <i>Solar Rrl</i> , 2018, 2, 1700209.	3.1	113
21	Fabrication of Perovskite Films with Large Columnar Grains via Solvent-Mediated Ostwald Ripening for Efficient Inverted Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2018, 1, 868-875.	2.5	58
22	Improvement of red light harvesting ability and open circuit voltage of Cu:NiOx based p-i-n planar perovskite solar cells boosted by cysteine enhanced interface contact. <i>Nano Energy</i> , 2018, 45, 471-479.	8.2	64
23	Annulated Perylene-Based Hole Transporters for Perovskite Solar Cells: The Significant Influence of Lateral Substituents. <i>ChemSusChem</i> , 2018, 11, 672-680.	3.6	17
24	A Facile Low Temperature Fabrication of High Performance CsPbI ₂ Br All-Inorganic Perovskite Solar Cells. <i>Solar Rrl</i> , 2018, 2, 1700180.	3.1	139
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31	Substituting Cs for MA on the surface of MAPbI ₃ perovskite: A first-principles study. <i>Computational Materials Science</i> , 2018, 150, 411-417.	1.4	18
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38	Large-area perovskite solar cells – a review of recent progress and issues. <i>RSC Advances</i> , 2018, 8, 10489-10508.	1.7	171
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