

A Long-Term View on Perovskite Optoelectronics

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Citation Report

#	ARTICLE	IF	CITATIONS
1	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
2	Rational Design of Dipolar Chromophore as an Efficient Dopant-Free Hole-Transporting Material for Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2016, 138, 11833-11839.	6.6	178
3	Enhanced Optical and Electrical Properties of Polymer-Assisted All-Inorganic Perovskites for Light-Emitting Diodes. <i>Advanced Materials</i> , 2016, 28, 8983-8989.	11.1	326
4	Dynamics of Photocarrier Separation in MAPbI ₃ Perovskite Multigrain Films under a Quasistatic Electric Field. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19595-19602.	1.5	22
5	Efficient photoluminescent thin films consisting of anchored hybrid perovskite nanoparticles. <i>Chemical Communications</i> , 2016, 52, 11351-11354.	2.2	15
6	Efficient Colorful Perovskite Solar Cells Using a Top Polymer Electrode Simultaneously as Spectrally Selective Antireflection Coating. <i>Nano Letters</i> , 2016, 16, 7829-7835.	4.5	123
7	Multidimensional Perovskites: A Mixed Cation Approach Towards Ambient Stable and Tunable Perovskite Photovoltaics. <i>ChemSusChem</i> , 2016, 9, 2541-2558.	3.6	88
8	The effect of moisture on the structures and properties of lead halide perovskites: a first-principles theoretical investigation. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23174-23183.	1.3	89
9	Photo-FETs: Phototransistors Enabled by 2D and 0D Nanomaterials. <i>ACS Photonics</i> , 2016, 3, 2197-2210.	3.2	217
10	Carbon-Based Perovskite Solar Cells without Hole Transport Materials: The Front Runner to the Market?. <i>Advanced Materials</i> , 2017, 29, 1603994.	11.1	261
11	Three-Photon Absorption Induced Photoluminescence in Organo-Lead Mixed Halide Perovskites. <i>Journal of Electronic Materials</i> , 2017, 46, 3622-3626.	1.0	7
12	Thermoresponsive Emission Switching via Lower Critical Solution Temperature Behavior of Organic-Inorganic Perovskite Nanoparticles. <i>Advanced Materials</i> , 2017, 29, 1700047.	11.1	11
13	Beyond traditional light-emitting electrochemical cells – a review of new device designs and emitters. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5643-5675.	2.7	210
14	Numerical simulation and analysis of hybrid physical-chemical vapor deposition to grow uniform perovskite MAPbI ₃ . <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	7
15	Improved Performance and Stability of All-Inorganic Perovskite Light-Emitting Diodes by Antisolvent Vapor Treatment. <i>Advanced Functional Materials</i> , 2017, 27, 1700338.	7.8	221
16	Perovskite Tandem Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1602761.	10.2	193
17	A study on the nature of the thermal decomposition of methylammonium lead iodide perovskite, CH ₃ NH ₃ PbI ₃ : an attempt to rationalise contradictory experimental results. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1351-1357.	2.5	97
18	Considerations for Upscaling of Organohalide Perovskite Solar Cells. <i>Advanced Optical Materials</i> , 2017, 5, 1600819.	3.6	18

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20	Dopant-Free Hole-Transport Materials Based on Methoxytriphenylamine-Substituted Indacenodithienothiophene for Solution-Processed Perovskite Solar Cells. <i>ChemSusChem</i> , 2017, 10, 2833-2838.	3.6	43
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26	Molecular engineering of face-on oriented dopant-free hole transporting material for perovskite solar cells with 19% PCE. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7811-7815.	5.2	209
27	Determining Band-Edge Energies and Morphology-Dependent Stability of Formamidinium Lead Perovskite Films Using Spectroelectrochemistry and Photoelectron Spectroscopy. <i>Journal of the American Chemical Society</i> , 2017, 139, 4866-4878.	6.6	51
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