

Enhanced electron extraction using SnO₂ for high-efficiency HC(NH₂)₂PbI₃-based perovskite solar cells

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Efficient and stable solution-processed planar perovskite solar cells via contact passivation. <i>Science</i> , 2017, 355, 722-726.	12.6	2,019
2	Effect of Energy Alignment, Electron Mobility, and Film Morphology of Perylene Diimide Based Polymers as Electron Transport Layer on the Performance of Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10983-10991.	8.0	76
3	Air-Induced High-Quality CH ₃ NH ₃ PbI ₃ Thin Film for Efficient Planar Heterojunction Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 6575-6580.	3.1	47
4	Direct Evidence of Ion Diffusion for the Silver-Electrode-Induced Thermal Degradation of Inverted Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1602922.	19.5	277
5	Stable ultra-fast broad-bandwidth photodetectors based on $\text{I}^{\pm}\text{-CsPbI}_3$ perovskite and NaYF ₄ :Yb,Er quantum dots. <i>Nanoscale</i> , 2017, 9, 6278-6285.	5.6	93
6	Low-temperature processed In ₂ S ₃ electron transport layer for efficient hybrid perovskite solar cells. <i>Nano Energy</i> , 2017, 36, 102-109.	16.0	87
7	Improving Interfacial Charge Recombination in Planar Heterojunction Perovskite Photovoltaics with Small Molecule as Electron Transport Layer. <i>Advanced Energy Materials</i> , 2017, 7, 1700522.	19.5	173
8	A Band-Edge Potential Gradient Heterostructure to Enhance Electron Extraction Efficiency of the Electron Transport Layer in High-Performance Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2017, 27, 1700878.	14.9	81
9	Perovskite Tandem Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1602761.	19.5	193
10	Indium-Free Perovskite Solar Cells Enabled by Impermeable Tin-Oxide Electron Extraction Layers. <i>Advanced Materials</i> , 2017, 29, 1606656.	21.0	88
11	A Perylenediimide Tetramer-Based 3D Electron Transport Material for Efficient Planar Perovskite Solar Cell. <i>Solar Rrl</i> , 2017, 1, 1700046.	5.8	28
12	Understanding and Eliminating Hysteresis for Highly Efficient Planar Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1700414.	19.5	190
13	MgO Nanoparticle Modified Anode for Highly Efficient SnO ₂ -Based Planar Perovskite Solar Cells. <i>Advanced Science</i> , 2017, 4, 1700031.	11.2	175
14	CsI Pre-Intercalation in the Inorganic Framework for Efficient and Stable FA _x Cs _{1-x} PbI ₃ (Cl) Perovskite Solar Cells. <i>Small</i> , 2017, 13, 1700484.	10.0	121
15	Enhanced light absorption of thin perovskite solar cells using textured substrates. <i>Solar Energy Materials and Solar Cells</i> , 2017, 168, 214-220.	6.2	50
16	ITIC surface modification to achieve synergistic electron transport layer enhancement for planar-type perovskite solar cells with efficiency exceeding 20%. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9514-9522.	10.3	103
17	UV-Sintered Low-Temperature Solution-Processed SnO ₂ as Robust Electron Transport Layer for Efficient Planar Heterojunction Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21909-21920.	8.0	123
18	Room-Temperature Processed Nb ₂ O ₅ as the Electron-Transporting Layer for Efficient Planar Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23181-23188.	8.0	120

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20	Spiro-Phenylpyrazole-Thioxanthene Analogues as Hole-Transporting Materials for Efficient Planar Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1700823.	19.5	74
21	Energy-Down-Shift CsPbCl ₃ :Mn Quantum Dots for Boosting the Efficiency and Stability of Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2017, 2, 1479-1486.	17.4	221
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23	Discontinuous SnO ₂ derived blended-interfacial-layer in mesoscopic perovskite solar cells: Minimizing electron transfer resistance and improving stability. <i>Nano Energy</i> , 2017, 38, 358-367.	16.0	47
24	Highly efficient and stable low-temperature processed ZnO solar cells with triple cation perovskite absorber. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13439-13447.	10.3	86
25	Perovskite solar cells - An overview of critical issues. <i>Progress in Quantum Electronics</i> , 2017, 53, 1-37.	7.0	132
26	Cesium Doped NiO _x as an Efficient Hole Extraction Layer for Inverted Planar Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1700722.	19.5	353
27	An annealing-free aqueous-processed anatase TiO ₂ compact layer for efficient planar heterojunction perovskite solar cells. <i>Chemical Communications</i> , 2017, 53, 10882-10885.	4.1	31
28	Water-Soluble Polymeric Interfacial Material for Planar Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14129-14135.	8.0	9
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35	Solution-Processed Nb:SnO ₂ Electron Transport Layer for Efficient Planar Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2421-2429.	8.0	315
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