

ITIC surface modification to achieve synergistic electrochromic  
planar-type perovskite solar cells with efficiency exceeding 15%

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Citation Report

#	ARTICLE	IF	CITATIONS
3	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
4	High-performance transparent ultraviolet photodetectors based on inorganic perovskite CsPbCl <sub>3</sub> nanocrystals. RSC Advances, 2017, 7, 36722-36727.	1.7	90
5	Additive-Enhanced Crystallization of Solution Process for Planar Perovskite Solar Cells with Efficiency Exceeding 19%. Chemistry - A European Journal, 2017, 23, 18140-18145.	1.7	33
6	A low temperature processed fused-ring electron transport material for efficient planar perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 24820-24825.	5.2	46
7	Enhanced performance of perovskite solar cells <i>via</i> anti-solvent nonfullerene Lewis base IT-4F induced trap-passivation. Journal of Materials Chemistry A, 2018, 6, 5919-5925.	5.2	127
8	Single-crystalline perovskite wafers with a Cr blocking layer for broad and stable light detection in a harsh environment. RSC Advances, 2018, 8, 14848-14853.	1.7	9
9	Exploring Inorganic Binary Alkaline Halide to Passivate Defects in Low-Temperature-Processed Planar Structure Hybrid Perovskite Solar Cells. Advanced Energy Materials, 2018, 8, 1800138.	10.2	186
10	Chelate-Pb Intermediate Engineering for High-Efficiency Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 14744-14750.	4.0	15
11	Flexible perovskite solar cells based on green, continuous roll-to-roll printing technology. Journal of Energy Chemistry, 2018, 27, 971-989.	7.1	55
12	All-Ambient Processed Binary CsPbBr <sub>3</sub> –CsPb <sub>2</sub> Br <sub>5</sub> Perovskites with Synergistic Enhancement for High-Efficiency Cs–Pb–Br-Based Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 7145-7154.	4.0	171
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15	Improving the Optoelectronic Properties of Mesoporous TiO <sub>2</sub> by Cobalt Doping for High-Performance Hysteresis-free Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 3571-3580.	4.0	78
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17	Interstitial Mn <sup>2+</sup> -Driven High-Aspect-Ratio Grain Growth for Low-Trap-Density Microcrystalline Films for Record Efficiency CsPb <sub>2</sub> Br Solar Cells. ACS Energy Letters, 2018, 3, 970-978.	8.8	356
18	A novel ball milling technique for room temperature processing of TiO <sub>2</sub> nanoparticles employed as the electron transport layer in perovskite solar cells and modules. Journal of Materials Chemistry A, 2018, 6, 7114-7122.	5.2	35
19	Polymer Doping for High-Efficiency Perovskite Solar Cells with Improved Moisture Stability. Advanced Energy Materials, 2018, 8, 1701757.	10.2	293
20	Non-Fullerene Organic Electron-Transporting Materials for Perovskite Solar Cells. ChemSusChem, 2018, 11, 3882-3892.	3.6	27

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21	Synergy of Hydrophobic Surface Capping and Lattice Contraction for Stable and High Efficiency Inorganic CsPb <sub>2</sub> Br Perovskite Solar Cells. <i>Solar Rrl</i> , 2018, 2, 1800216.	3.1	68
22	Retardation of Trap-Assisted Recombination in Lead Halide Perovskite Solar Cells by a Dimethylbiguanide Anchor Layer. <i>Chemistry - A European Journal</i> , 2018, 25, 1076-1082.	1.7	9
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24	Highly efficient and humidity stable perovskite solar cells achieved by introducing perovskite-like metal formate material as the nanocrystal scaffold. <i>Journal of Power Sources</i> , 2018, 402, 229-236.	4.0	7
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30	High-performance inverted two-dimensional perovskite solar cells using non-fullerene acceptor as electron transport layer. <i>Organic Electronics</i> , 2018, 62, 189-194.	1.4	13
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33	Multifunctional Chemical Linker Imidazoleacetic Acid Hydrochloride for 21% Efficient and Stable Planar Perovskite Solar Cells. <i>Advanced Materials</i> , 2019, 31, e1902902.	11.1	366
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37	Cesium Lead Mixed-Halide Perovskites for Low-Energy Loss Solar Cells with Efficiency Beyond 17%. <i>Chemistry of Materials</i> , 2019, 31, 6231-6238.	3.2	76
38	Stable power output (PCE>19%) of planar perovskite solar cells with PbCl <sub>2</sub> modification at the interface of SnO <sub>2</sub> /CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> . <i>Organic Electronics</i> , 2019, 74, 52-58.	1.4	10

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54	Metal Halide Perovskite Materials for Solar Cells with Long-Term Stability. <i>Advanced Energy Materials</i> , 2019, 9, 1802671.	10.2	97
55	High quality perovskite film solar cell using methanol as additive with 19.5% power conversion efficiency. <i>Electrochimica Acta</i> , 2019, 293, 356-363.	2.6	38
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58	Inhibited aggregation of lithium salt in spiro-OMeTAD toward highly efficient perovskite solar cells. <i>Nano Energy</i> , 2020, 70, 104483.	8.2	64
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