

Moleculeâ€Doped Nickel Oxide: Verified Charge Transfer Perovskite Solar Cell

Advanced Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Inverted planar organic-inorganic hybrid perovskite solar cells with NiO x hole-transport layers as light-in window. Applied Surface Science, 2018, 451, 325-332.	6.1	15
2	Lithium and Silver Co-Doped Nickel Oxide Hole-Transporting Layer Boosting the Efficiency and Stability of Inverted Planar Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 44501-44510.	8.0	73
3	Supersmooth Ta ₂ O ₅ /Ag/Polyetherimide Film as the Rear Transparent Electrode for High Performance Semitransparent Perovskite Solar Cells. Advanced Optical Materials, 2019, 7, 1801409.	7.3	13
4	Design of an Inorganic Mesoporous Hole-Transporting Layer for Highly Efficient and Stable Inverted Perovskite Solar Cells. Advanced Materials, 2018, 30, e1805660.	21.0	179
5	Polymeric Surface Modification of NiO _x -Based Inverted Planar Perovskite Solar Cells with Enhanced Performance. ACS Sustainable Chemistry and Engineering, 2018, 6, 16806-16812.	6.7	83
6	Zn _{0.8} Cd _{0.2} S@PCBM Hybrid as an Efficient Electron Transport Layer for Air-Processed Planar Perovskite Solar Cells: Improvement of Interfacial Electron Transfer and Device Stability. Solar Rrl, 2018, 2, 1800222.	5.8	23
7	Inverted CH ₃ NH ₃ PbI ₃ perovskite solar cells based on solution-processed V ₂ O ₅ film combined with P3CT salt as hole transport layer. Materials Today Energy, 2018, 9, 487-495.	4.7	27
8	The Impact of Hybrid Compositional Film/Structure on Organic-Inorganic Perovskite Solar Cells. Nanomaterials, 2018, 8, 356.	4.1	30
9	General Method To Define the Type of Carrier Transport Materials for Perovskite Solar Cells via Kelvin Probes Microscopy. ACS Applied Energy Materials, 2018, 1, 3984-3991.	5.1	15
10	Inorganic p-type semiconductors and carbon materials based hole transport materials for perovskite solar cells. Chinese Chemical Letters, 2018, 29, 1242-1250.	9.0	37
11	Polymer Assisted Small Molecule Hole Transport Layers Toward Highly Efficient Inverted Perovskite Solar Cells. Solar Rrl, 2018, 2, 1800173.	5.8	30
12	Hole Transport Bilayer Structure for Quasi-2D Perovskite Based Blue Light-Emitting Diodes with High Brightness and Good Spectral Stability. Advanced Functional Materials, 2019, 29, 1905339.	14.9	92
13	Cu-doped nickel oxide hole transporting layer via efficient low-temperature spraying combustion method for perovskite solar cells. Journal of Materials Science: Materials in Electronics, 2019, 30, 15627-15635.	2.2	12
14	Molecular modulator for stable inverted planar perovskite solar cells with efficiency enhanced by interface engineering. Journal of Materials Chemistry C, 2019, 7, 9735-9742.	5.5	15
15	Nanoscale Insights into Photovoltaic Hysteresis in Triple-Cation Mixed-Halide Perovskite: Resolving the Role of Polarization and Ionic Migration. Advanced Materials, 2019, 31, e1902870.	21.0	73
16	Pyridine-Terminated Conjugated Organic Molecules as an Interfacial Hole Transfer Bridge for NiO _x -Based Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 28960-28967.	8.0	49
17	High-Efficiency Perovskite Solar Cell Based on Sequential Doping of PTAA. IEEE Journal of Photovoltaics, 2019, 9, 1025-1030.	2.5	13
18	Molecular doping of CuSCN for hole transporting layers in inverted-type planar perovskite solar cells. Inorganic Chemistry Frontiers, 2019, 6, 2158-2166.	6.0	31

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19	Dopant-Free Small-Molecule Hole-Transporting Material for Inverted Perovskite Solar Cells with Efficiency Exceeding 21%. <i>Advanced Materials</i> , 2019, 31, e1902781.	21.0	268
20	Solution-Processed MoO ₃ Hole-Transport Layer with F4-TCNQ Modification for Efficient and Stable Inverted Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2019, 2, 5862-5870.	5.1	35
21	Achieving high performance and stable inverted planar perovskite solar cells using lithium and cobalt co-doped nickel oxide as hole transport layers. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9270-9277.	5.5	37
22	Inverted perovskite solar cells employing doped NiO hole transport layers: A review. <i>Nano Energy</i> , 2019, 63, 103860.	16.0	155
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27	Novel Molecular Doping Mechanism for n-Doping of SnO ₂ via Triphenylphosphine Oxide and Its Effect on Perovskite Solar Cells. <i>Advanced Materials</i> , 2019, 31, e1805944.	21.0	152
28	Low-temperature processed yttrium-doped SrSnO ₃ perovskite electron transport layer for planar heterojunction perovskite solar cells with high efficiency. <i>Nano Energy</i> , 2019, 59, 1-9.	16.0	52
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33	Impact of surface dipole in NiOx on the crystallization and photovoltaic performance of organometal halide perovskite solar cells. <i>Nano Energy</i> , 2019, 61, 496-504.	16.0	92
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35	Enhanced Open-Circuit Voltage in Perovskite Solar Cells with Open-Cage [60]Fullerene Derivatives as Electron-Transporting Materials. <i>Materials</i> , 2019, 12, 1314.	2.9	13
36	Conjugated Polymer-Assisted Grain Boundary Passivation for Efficient Inverted Planar Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1808855.	14.9	133

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38	Nickel Oxide as Efficient Hole Transport Materials for Perovskite Solar Cells. Solar Rrl, 2019, 3, 1900001.	5.8	151
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