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List of Publications by Year
in descending order

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49 papers	6,501 citations	257357 24 h-index	223716 46 g-index
49 all docs	49 docs citations	49 times ranked	8438 citing authors

#	Article	IF	Citations
1	Aggregation and morphology control enables multiple cases of high-efficiency polymer solar cells. Nature Communications, 2014, 5, 5293.	5.8	2,854
2	Efficiency Enhancement of Perovskite Solar Cells through Fast Electron Extraction: The Role of Graphene Quantum Dots. Journal of the American Chemical Society, 2014, 136, 3760-3763.	6.6	688
3	All-solid-state hybrid solar cells based on a new organometal halide perovskite sensitizer and one-dimensional TiO2 nanowire arrays. Nanoscale, 2013, 5, 3245.	2.8	401
4	High-efficiency non-fullerene organic solar cells enabled by a difluorobenzothiadiazole-based donor polymer combined with a properly matched small molecule acceptor. Energy and Environmental Science, 2015, 8, 520-525.	15.6	379
5	A Tetraphenylethylene Coreâ€Based 3D Structure Small Molecular Acceptor Enabling Efficient Nonâ€Fullerene Organic Solar Cells. Advanced Materials, 2015, 27, 1015-1020.	11.1	362
6	Highâ€Efficiency Allâ€Polymer Solar Cells Based on a Pair of Crystalline Lowâ€Bandgap Polymers. Advanced Materials, 2014, 26, 7224-7230.	11.1	228
7	Polyfluorene Derivatives are Highâ€Performance Organic Holeâ€Transporting Materials for Inorganicâ"Organic Hybrid Perovskite Solar Cells. Advanced Functional Materials, 2014, 24, 7357-7365.	7.8	172
8	Highly Efficient Inverted Polymer Solar Cells Based on a Cross-linkable Water-/Alcohol-Soluble Conjugated Polymer Interlayer. ACS Applied Materials & Interfaces, 2014, 6, 10429-10435.	4.0	155
9	Quantitative Doping of Chlorine in Formamidinium Lead Trihalide (FAPbI<sub>3â"_xCl_x) for Planar Heterojunction Perovskite Solar Cells. Advanced Energy Materials, 2017, 7, 1601297.	10.2	106
10	Roomâ€Temperature, Hydrochlorideâ€Assisted, Oneâ€Step Deposition for Highly Efficient and Airâ€Stable Perovskite Solar Cells. Advanced Materials, 2016, 28, 8309-8314.	11.1	96
11	Field emission of large-area and graphitized carbon nanotube array on anodic aluminum oxide template. Journal of Applied Physics, 2003, 93, 5602-5605.	1.1	84
12	Gold Nanorod Arrays with Good Reproducibility for High-Performance Surface-Enhanced Raman Scattering. Langmuir, 2009, 25, 4708-4714.	1.6	76
13	Controlling growth and field emission properties of silicon nanotube arrays by multistep template replication and chemical vapor deposition. Applied Physics Letters, 2005, 87, 113104.	1.5	74
14	Silicon Nanotube Array/Gold Electrode for Direct Electrochemistry of Cytochromec. Journal of Physical Chemistry B, 2007, 111, 1491-1495.	1.2	73
15	Reduced Defects of MAPbI₃ Thin Films Treated by FAI for Highâ€Performance Planar Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1805810.	7.8	73
16	Au nanoparticle arrays with tunable particle gaps by template-assisted electroless deposition for high performance surface-enhanced Raman scattering. Nanotechnology, 2010, 21, 015604.	1.3	68
17	Electrochemical synthesis and applications of oriented and hierarchically quasi-1D semiconducting nanostructures. Coordination Chemistry Reviews, 2010, 254, 1135-1150.	9.5	66
18	Precursor Engineering of the Electron Transport Layer for Application in Highâ€Performance Perovskite Solar Cells. Advanced Science, 2021, 8, e2102845.	5.6	62

#	ARTICLE	IF	CITATIONS
19	Choline Chloride-Modified SnO₂ Achieving High Output Voltage in MAPbI₃ Perovskite Solar Cells. ACS Applied Energy Materials, 2020, 3, 3504-3511.	2.5	57
20	Achieving High Openâ€Circuit Voltages up to 1.57 V in Holeâ€Transportâ€Materialâ€Free MAPbBr₃ Solar Cells with Carbon Electrodes. Advanced Energy Materials, 2018, 8, 1701159.	10.2	55
21	The influence of spacer units on molecular properties and solar cell performance of non-fullerene acceptors. Journal of Materials Chemistry A, 2015, 3, 20108-20112.	5.2	41
22	Highly efficient and stable 2Dâ€“3D perovskite solar cells fabricated by interfacial modification. Nanotechnology, 2019, 30, 275202.	1.3	40
23	A sandwich-like electron transport layer to assist highly efficient planar perovskite solar cells. Nanoscale, 2019, 11, 21917-21926.	2.8	31
24	Confined conversion of CuS nanowires to CuO nanotubes by annealing-induced diffusion in nanochannels. Nanoscale Research Letters, 2011, 6, 150.	3.1	30
25	Sodium Dodecylbenzene Sulfonate Interface Modification of Methylammonium Lead Iodide for Surface Passivation of Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 52643-52651.	4.0	25
26	Using Interfacial Contact Engineering to Solve Nickel Oxide/Perovskite Interface Contact Issues in Inverted Perovskite Solar Cells. ACS Sustainable Chemistry and Engineering, 2021, 9, 3580-3589.	3.2	23
27	Enhancement of Openâ€Circuit Voltage of Perovskite Solar Cells by Interfacial Modification with pâ€Aminobenzoic Acid. Advanced Materials Interfaces, 2020, 7, 1901584.	1.9	21
28	The Influence of CsBr on Crystal Orientation and Optoelectronic Properties of MAPbI₃-Based Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 2958-2967.	4.0	18
29	Synthesis and luminescent properties of Rare Earth (Eu2+, Tb3+) doped Ba3(PO4)2 nanowires by chemical precipitation in nanochannels. Materials Letters, 2012, 70, 101-104.	1.3	14
30	Improvement Performance of Planar Perovskite Solar Cells by Bulk and Surface Defect Passivation. ACS Sustainable Chemistry and Engineering, 2021, 9, 13001-13009.	3.2	14
31	Nanobowl optical concentrator for efficient light trapping and high-performance organic photovoltaics. Science Bulletin, 2015, 60, 109-115.	4.3	13
32	Efficient and Stable Perovskite Solar Cells via CsPF₆ Passivation of Perovskite Film Defects. Journal of Physical Chemistry Letters, 2022, 13, 4598-4604.	2.1	11
33	Synthesis of Single Crystal Metal Sulfide Nanowires and Nanowire Arrays by Chemical Precipitation in Templates. Journal of Nanoscience and Nanotechnology, 2010, 10, 8191-8198.	0.9	9
34	Synthesis and luminescence properties of Eu3+ doped porous YVO4 nanowires by chemical precipitation in nanochannels. Materials Research Bulletin, 2012, 47, 491-496.	2.7	9
35	Organic Solar Cells: A Tetraphenylethylene Coreâ€Based 3D Structure Small Molecular Acceptor Enabling Efficient Nonâ€Fullerene Organic Solar Cells (Adv. Mater. 6/2015). Advanced Materials, 2015, 27, 1014-1014.	11.1	9
36	Spacer Engineering of Thiophene-Based Two-Dimensional/Three-Dimensional Hybrid Perovskites for Stable and Efficient Solar Cells. Journal of Physical Chemistry C, 2022, 126, 3351-3358.	1.5	9

#	ARTICLE	IF	CITATIONS
37	Bifunctional Chlorosilane Modification for Defect Passivation and Stability Enhancement of High-Efficiency Perovskite Solar Cells. Journal of Physical Chemistry C, 2020, 124, 22903-22913.	1.5	8
38	Enhanced crystallization of solution-processed perovskite using urea as an additive for large-grain MAPbI₃ perovskite solar cells. Nanotechnology, 2021, 32, 30LT02.	1.3	8
39	Electron Transport Assisted by Transparent Conductive Oxide Elements in Perovskite Solar Cells. ChemSusChem, 2022, 15, .	3.6	7
40	Luminescent center in Brâ˜'-rich BaFBr:O2â˜'. Journal of Luminescence, 1999, 81, 231-235.	1.5	6
41	A facile route for preparing nickel(ii) oxide thin films for high-performance inverted perovskite solar cells. Sustainable Energy and Fuels, 2020, 4, 3597-3603.	2.5	6
42	Complexation Engineering of Electron Transport Layers for Highâ€Performance Perovskite Solar Cells. Solar Rrl, 2022, 6, .	3.1	6
43	High-performance perovskite solar cells resulting from large perovskite grain size enabled by the urea additive. Sustainable Energy and Fuels, 2022, 6, 2955-2961.	2.5	5
44	Large-scale and highly ordered 1D nanostructural arrays by template-assisted electrodeposition. , 2004, 5593, 135.		3
45	Thermally Evaporated <scp>ZnSe</scp> for Efficient and Stable Regular/Inverted Perovskite Solar Cells by Enhanced Electron Extraction. Energy and Environmental Materials, 2023, 6, .	7.3	3
46	Bifunctional Interfacial Regulation with 4â€(Trifluoromethyl) Benzoic Acid to Reduce the Photovoltage Deficit of MAPbI₃â€Based Perovskite Solar Cells. ChemNanoMat, 2022, 8, .	1.5	2
47	Diffusion Dynamics of Mobile Ions Hidden in Transient Optoelectronic Measurement in Planar Perovskite Solar Cells. ACS Applied Energy Materials, 2020, 3, 8330-8337.	2.5	1
48	Synthesis of RePO4 (Re=La, Nd, Pr, or Y) Nanowires by Chemical Precipitation in Nanochannels. Advanced Materials Research, 2011, 181-182, 495-500.	0.3	0
49	Electron transport layer assisted by nickel chloride hexahydrate for open-circuit voltage improvement in MAPbI₃ perovskite solar cells. RSC Advances, 2022, 12, 13820-13825.	1.7	0