Dongqin Bi

List of Publications by Year
in descending order

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34 papers	8,097 citations	159358 30 h-index	377514 34 g-index
34 all docs	34 docs citations	34 times ranked	9461 citing authors

#	Article	IF	Citations
1	Multistrategy Toward Highly Efficient and Stable CsPbI₂Br Perovskite Solar Cells Based on Dopantâ€Free Poly(3â€Hexylthiophene). Solar Rrl, 2022, 6, .	3.1	16
2	Molecularly Tailored SnO₂/Perovskite Interface Enabling Efficient and Stable FAPbI₃ Solar Cells. ACS Energy Letters, 2022, 7, 929-938.	8.8	52
3	Review of Twoâ€Step Method for Lead Halide Perovskite Solar Cells. Solar Rrl, 2022, 6, .	3.1	44
4	Recent Progress of Critical Interface Engineering for Highly Efficient and Stable Perovskite Solar Cells. Advanced Energy Materials, 2022, 12, .	10.2	78
5	Toward highly efficient and stable Sn²⁺ and mixed Pb²⁺/Sn²⁺ based halide perovskite solar cells through device engineering. Energy and Environmental Science, 2021, 14, 3256-3300.	15.6	49
6	Stable Layered 2D Perovskite Solar Cells with an Efficiency of over 19% via Multifunctional Interfacial Engineering. Journal of the American Chemical Society, 2021, 143, 3911-3917.	6.6	114
7	Perovskitoidâ€Templated Formation of a 1D@3D Perovskite Structure toward Highly Efficient and Stable Perovskite Solar Cells. Advanced Energy Materials, 2021, 11, 2101018.	10.2	85
8	Hydrophobic Fluorinated Conjugated Polymer as a Multifunctional Interlayer for High-Performance Perovskite Solar Cells. ACS Photonics, 2021, 8, 3185-3192.	3.2	17
9	In Situ Perovskitoid Engineering at SnO₂ Interface toward Highly Efficient and Stable Formamidinium Lead Triiodide Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2021, 12, 10567-10573.	2.1	18
10	Adamantanes Enhance the Photovoltaic Performance and Operational Stability of Perovskite Solar Cells by Effective Mitigation of Interfacial Defect States. Advanced Energy Materials, 2018, 8, 1800275.	10.2	106
11	Formation of Stable Mixed Guanidiniumâ€"Methylammonium Phases with Exceptionally Long Carrier Lifetimes for High-Efficiency Lead Iodide-Based Perovskite Photovoltaics. Journal of the American Chemical Society, 2018, 140, 3345-3351.	6.6	235
12	Suppressing defects through the synergistic effect of a Lewis base and a Lewis acid for highly efficient and stable perovskite solar cells. Energy and Environmental Science, 2018, 11, 3480-3490.	15.6	274
13	Multifunctional molecular modulators for perovskite solar cells with over 20% efficiency and high operational stability. Nature Communications, 2018, 9, 4482.	5.8	266
14	Isomerâ€Pure Bisâ€PCBMâ€Assisted Crystal Engineering of Perovskite Solar Cells Showing Excellent Efficiency and Stability. Advanced Materials, 2017, 29, 1606806.	11.1	320
15	Morphology Engineering: A Route to Highly Reproducible and High Efficiency Perovskite Solar Cells. ChemSusChem, 2017, 10, 1624-1630.	3.6	46
16	Over 20% PCE perovskite solar cells with superior stability achieved by novel and low-cost hole-transporting materials. Nano Energy, 2017, 41, 469-475.	8.2	232
17	Highâ€Efficiency Perovskite Solar Cells Employing a <i>S</i>,<i>N</i>â€Heteropentaceneâ€based Dâ€"A Holeâ€Transport Material. ChemSusChem, 2016, 9, 433-438.	3.6	61
18	Bipolar Membraneâ€Assisted Solar Water Splitting in Optimal pH. Advanced Energy Materials, 2016, 6, 1600100.	10.2	156

#	ARTICLE	IF	CITATIONS
19	A novel one-step synthesized and dopant-free hole transport material for efficient and stable perovskite solar cells. Journal of Materials Chemistry A, 2016, 4, 16330-16334.	5.2	87
20	Dopantâ€Free Donor (D)â€“Ï€â€“Dâ€“Ï€â€“D Conjugated Holeâ€Transport Materials for Efficient and Stable Perovskite Solar Cells. ChemSusChem, 2016, 9, 2578-2585.	3.6	83
21	Polymer-templated nucleation and crystal growth of perovskite films for solar cells with efficiency greater thanÂ21%. Nature Energy, 2016, 1, .	19.8	1,719
22	A vacuum flashâ€"assisted solution process for high-efficiency large-area perovskite solar cells. Science, 2016, 353, 58-62.	6.0	1,636
23	Highâ€Performance Perovskite Solar Cells with Enhanced Environmental Stability Based on Amphiphileâ€Modified CH₃NH₃PbI₃. Advanced Materials, 2016, 28, 2910-2915.	11.1	258
24	Transparent Cuprous Oxide Photocathode Enabling a Stacked Tandem Cell for Unbiased Water Splitting. Advanced Energy Materials, 2015, 5, 1501537.	10.2	149
25	Electronic Structure of CH₃NH₃PbX₃ Perovskites: Dependence on the Halide Moiety. Journal of Physical Chemistry C, 2015, 119, 1818-1825.	1.5	127
26	Unraveling the Effect of PbI₂ Concentration on Charge Recombination Kinetics in Perovskite Solar Cells. ACS Photonics, 2015, 2, 589-594.	3.2	97
27	Electronic Structure of TiO₂/CH₃NH₃PbI₃ Perovskite Solar Cell Interfaces. Journal of Physical Chemistry Letters, 2014, 5, 648-653.	2.1	432
28	Improved Morphology Control Using a Modified Two-Step Method for Efficient Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 18751-18757.	4.0	62
29	HIGH-EFFICIENT SOLID-STATE PEROVSKITE SOLAR CELL WITHOUT LITHIUM SALT IN THE HOLE TRANSPORT MATERIAL. Nano, 2014, 09, 1440001.	0.5	34
30	Using a two-step deposition technique to prepare perovskite (CH3NH3PbI3) for thin film solar cells based on ZrO2 and TiO2 mesostructures. RSC Advances, 2013, 3, 18762.	1.7	405
31	Efficient and stable CH3NH3PbI3-sensitized ZnO nanorod array solid-state solar cells. Nanoscale, 2013, 5, 11686.	2.8	271
32	Efficient solid state dye-sensitized solar cells based on an oligomer hole transport material and an organic dye. Journal of Materials Chemistry A, 2013, 1, 14467.	5.2	67
33	Effect of Different Hole Transport Materials on Recombination in CH₃NH₃PbI₃ Perovskite-Sensitized Mesoscopic Solar Cells. Journal of Physical Chemistry Letters, 2013, 4, 1532-1536.	2.1	472
34	New Approach for Preparation of Efficient Solid-State Dye-Sensitized Solar Cells by Photoelectrochemical Polymerization in Aqueous Micellar Solution. Journal of Physical Chemistry Letters, 2013, 4, 4026-4031.	2.1	29