

# Dongqin Bi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

34  
papers

6,567  
citations

26  
h-index

34  
g-index

34  
ext. papers

7,315  
ext. citations

15.6  
avg, IF

5.86  
L-index

#	Paper	IF	Citations
34	Recent Progress of Critical Interface Engineering for Highly Efficient and Stable Perovskite Solar Cells. <i>Advanced Energy Materials</i> , <b>2022</b> , 12, 2102730	21.8	17
33	In Situ Perovskitoid Engineering at SnO Interface toward Highly Efficient and Stable Formamidinium Lead Triiodide Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 10567-10573	6.4	4
32	Stable Layered 2D Perovskite Solar Cells with an Efficiency of over 19% via Multifunctional Interfacial Engineering. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 3911-3917	16.4	42
31	Perovskitoid-Templated Formation of a 1D@3D Perovskite Structure toward Highly Efficient and Stable Perovskite Solar Cells. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2101018	21.8	22
30	Toward highly efficient and stable Sn <sup>2+</sup> and mixed Pb <sup>2+</sup> /Sn <sup>2+</sup> based halide perovskite solar cells through device engineering. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 3256-3300	35.4	16
29	Adamantanes Enhance the Photovoltaic Performance and Operational Stability of Perovskite Solar Cells by Effective Mitigation of Interfacial Defect States. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1800275	21.8	86
28	Formation of Stable Mixed Guanidinium-Methylammonium Phases with Exceptionally Long Carrier Lifetimes for High-Efficiency Lead Iodide-Based Perovskite Photovoltaics. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 3345-3351	16.4	183
27	Suppressing defects through the synergistic effect of a Lewis base and a Lewis acid for highly efficient and stable perovskite solar cells. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 3480-3490	35.4	202
26	Multifunctional molecular modulators for perovskite solar cells with over 20% efficiency and high operational stability. <i>Nature Communications</i> , <b>2018</b> , 9, 4482	17.4	189
25	Isomer-Pure Bis-PCBM-Assisted Crystal Engineering of Perovskite Solar Cells Showing Excellent Efficiency and Stability. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606806	24	276
24	Morphology Engineering: A Route to Highly Reproducible and High Efficiency Perovskite Solar Cells. <i>ChemSusChem</i> , <b>2017</b> , 10, 1624-1630	8.3	40
23	Over 20% PCE perovskite solar cells with superior stability achieved by novel and low-cost hole-transporting materials. <i>Nano Energy</i> , <b>2017</b> , 41, 469-475	17.1	191
22	Dopant-Free Donor (D)-ED-ED Conjugated Hole-Transport Materials for Efficient and Stable Perovskite Solar Cells. <i>ChemSusChem</i> , <b>2016</b> , 9, 2578-2585	8.3	75
21	Polymer-templated nucleation and crystal growth of perovskite films for solar cells with efficiency greater than 21%. <i>Nature Energy</i> , <b>2016</b> , 1,	62.3	1422
20	A vacuum flash-assisted solution process for high-efficiency large-area perovskite solar cells. <i>Science</i> , <b>2016</b> , 353, 58-62	33.3	1406
19	High-Performance Perovskite Solar Cells with Enhanced Environmental Stability Based on Amphiphile-Modified CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> . <i>Advanced Materials</i> , <b>2016</b> , 28, 2910-5	24	207
18	High-Efficiency Perovskite Solar Cells Employing a S,N-Heteropentacene-based D-A Hole-Transport Material. <i>ChemSusChem</i> , <b>2016</b> , 9, 433-8	8.3	53

17	Bipolar Membrane-Assisted Solar Water Splitting in Optimal pH. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600100	21.8	108
16	A novel one-step synthesized and dopant-free hole transport material for efficient and stable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 16330-16334	13	78
15	Electronic Structure of CH <sub>3</sub> NH <sub>3</sub> PbX <sub>3</sub> Perovskites: Dependence on the Halide Moiety. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 1818-1825	3.8	105
14	Unraveling the Effect of PbI <sub>2</sub> Concentration on Charge Recombination Kinetics in Perovskite Solar Cells. <i>ACS Photonics</i> , <b>2015</b> , 2, 589-594	6.3	86
13	Transparent Cuprous Oxide Photocathode Enabling a Stacked Tandem Cell for Unbiased Water Splitting. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1501537	21.8	123
12	Electronic Structure of TiO <sub>2</sub> /CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Solar Cell Interfaces. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 648-53	6.4	384
11	Improved morphology control using a modified two-step method for efficient perovskite solar cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 18751-7	9.5	54
10	HIGH-EFFICIENT SOLID-STATE PEROVSKITE SOLAR CELL WITHOUT LITHIUM SALT IN THE HOLE TRANSPORT MATERIAL. <i>Nano</i> , <b>2014</b> , 09, 1440001	1.1	32
9	Using a two-step deposition technique to prepare perovskite (CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> ) for thin film solar cells based on ZrO <sub>2</sub> and TiO <sub>2</sub> mesostructures. <i>RSC Advances</i> , <b>2013</b> , 3, 18762	3.7	369
8	Efficient and stable CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> -sensitized ZnO nanorod array solid-state solar cells. <i>Nanoscale</i> , <b>2013</b> , 5, 11686-91	7.7	253
7	Efficient solid state dye-sensitized solar cells based on an oligomer hole transport material and an organic dye. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 14467	13	62
6	Effect of Different Hole Transport Materials on Recombination in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite-Sensitized Mesoscopic Solar Cells. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 1532-6	6.4	425
5	New Approach for Preparation of Efficient Solid-State Dye-Sensitized Solar Cells by Photoelectrochemical Polymerization in Aqueous Micellar Solution. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 4026-4031	6.4	29
4	Molecularly Tailored SnO <sub>2</sub> /Perovskite Interface Enabling Efficient and Stable FAPbI <sub>3</sub> Solar Cells. <i>ACS Energy Letters</i> , 929-938	20.1	13
3	Review of Two-Step Method for Lead Halide Perovskite Solar Cells. <i>Solar Rrl</i> ,	7.1	7
2	Multistrategy Toward Highly Efficient and Stable CsPbI <sub>2</sub> Br Perovskite Solar Cells Based on Dopant-Free Poly(3-Hexylthiophene). <i>Solar Rrl</i> , 2100880	7.1	2
1	Hydrophobic Fluorinated Conjugated Polymer as a Multifunctional Interlayer for High-Performance Perovskite Solar Cells. <i>ACS Photonics</i> ,	6.3	6