

# Bo Xiao

## List of Publications by Year in descending order

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19  
papers

1,248  
citations

586496

16  
h-index

889612

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g-index

19  
all docs

19  
docs citations

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times ranked

1556  
citing authors

#	ARTICLE	IF	CITATIONS
1	A<sub>2</sub>-A<sub>1</sub>-DA<sub>1</sub>-D-A<sub>1</sub>-A<sub>2</sub>-Type Non-Fullerene Acceptors for Poly(3-hexylthiophene)-Based Organic Photovoltaic Application. Journal of Physical Chemistry C, 2022, 126, 8588-8595.	1.5	2
2	Controlling the Cyano-Containing A<sub>2</sub> Segments in A<sub>2</sub>-A<sub>1</sub>-D-A<sub>1</sub>-A<sub>2</sub> Type Non-Fullerene Acceptors to Combine with a Benzotriazole-Based n-Type Polymer: a Same-Acceptor Strategy for High <i>V<sub>OC</sub></i> Organic Solar Cells. Solar Rrl, 2019, 3, 1800332.		23
3	Quinoxaline-Containing Nonfullerene Small-Molecule Acceptors with a Linear A<sub>2</sub>-A<sub>1</sub>-D-A<sub>1</sub>-A<sub>2</sub> Skeleton for Poly(3-hexylthiophene)-Based Organic Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 10254-10261.	4.0	60
4	A perylenediimide dimer containing an asymmetric i-bridge and its fused derivative for fullerene-free organic solar cells. Journal of Materials Chemistry C, 2018, 6, 2580-2587.	2.7	34
5	Modulating the Symmetry of Benzodithiophene by Molecular Tailoring for the Application in Naphthalene Diimide-Based n-Type Photovoltaic Polymers. Solar Rrl, 2018, 2, 1700230.	3.1	28
6	Design and Synthesis of a Novel n-Type Polymer Based on Asymmetric Rylene Diimide for the Application in All-Polymer Solar Cells. Macromolecular Rapid Communications, 2018, 39, e1700715.	2.0	27
7	Simultaneously Achieved High Open-Circuit Voltage and Efficient Charge Generation by Fine-Tuning Charge-Transfer Driving Force in Nonfullerene Polymer Solar Cells. Advanced Functional Materials, 2018, 28, 1704507.	7.8	180
8	Enhanced open circuit voltage of small molecule acceptors containing angular-shaped indacenodithiophene units for P3HT-based organic solar cells. Journal of Materials Chemistry C, 2018, 6, 12347-12354.	2.7	13
9	A<sub>2</sub>-A<sub>1</sub>-D-A<sub>1</sub>-A<sub>2</sub> type non-fullerene acceptors based on methoxy substituted benzotriazole with three different end-capped groups for P3HT-based organic solar cells. Journal of Materials Chemistry C, 2018, 6, 10902-10909.	2.7	33
10	The first thieno[3,4-b <i>i</i> ]pyrazine based small molecular acceptor with a linear A<sub>2</sub>-A<sub>1</sub>-D-A<sub>1</sub>-A<sub>2</sub> skeleton for fullerene-free organic solar cells with a high <i>V<sub>OC</sub></i> of 1.05 V. Chemical Communications, 2018, 54, 10770-10773.	2.2	18
11	A small molecular electron acceptor based on asymmetric hexacyclic core of thieno[1,2-b]indaceno[5,6-b <i>2</i> ]thiophene for efficient fullerene-free polymer solar cells. Science Bulletin, 2018, 63, 845-852.	4.3	28
12	Recent progress in porphyrin-based materials for organic solar cells. Journal of Materials Chemistry A, 2018, 6, 16769-16797.	5.2	215
13	The Introduction of Fluorine and Sulfur Atoms into Benzotriazole-Based n-Type Polymers to Match with a Benzotriazole-Containing n-Type Small Molecule: The Same-Acceptor Strategy to Realize High <i>V<sub>OC</sub></i> Open-Circuit Voltage. Advanced Energy Materials, 2018, 8, 1801582.		122
14	Inside-fused perylenediimide dimers with planar structures for high-performance fullerene-free organic solar cells. RSC Advances, 2017, 7, 13749-13753.	1.7	9
15	Comparison among Perylene Diimide (PDI), Naphthalene Diimide (NDI), and Naphthodithiophene Diimide (NDTI) Based n-Type Polymers for All-Polymer Solar Cells Application. Macromolecules, 2017, 50, 3179-3185.	2.2	85
16	P3HT-Based Photovoltaic Cells with a High <i>V<sub>OC</sub></i> of 1.22 V by Using a Benzotriazole-Containing Nonfullerene Acceptor End-Capped with Thiazolidine-2,4-dione. ACS Macro Letters, 2017, 6, 410-414.	2.3	117
17	Achievement of High <i>V<sub>OC</sub></i> of 1.02 V for P3HT-Based Organic Solar Cell Using a Benzotriazole-Containing Non-Fullerene Acceptor. Advanced Energy Materials, 2017, 7, 1602269.	10.2	191
18	Non-Fullerene Acceptors With A<sub>2</sub>-A<sub>1</sub>-D-A<sub>1</sub>-A<sub>2</sub> Skeleton Containing Benzothiadiazole and Thiazolidine-2,4-dione for High-Performance P3HT-Based Organic Solar Cells. Solar Rrl, 2017, 1, 1700166.	3.1	43

#	ARTICLE	IF	CITATIONS
19	Effects of Inserting Thiophene as a ï€-Bridge on the Properties of Naphthalene Diimide- <i>&lt;i&gt;alt&lt;/i&gt;</i> -Fused Thiophene Copolymers. ACS Applied Materials & Interfaces, 2017, 9, 44070-44078.	4.0	20