

# Xin Song

## List of Publications by Citations

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26

papers

1,193

citations

17

h-index

28

g-index

28

ext. papers

1,429

ext. citations

16.2

avg, IF

4.63

L-index

#	Paper	IF	Citations
26	Controlling Blend Morphology for Ultrahigh Current Density in Nonfullerene Acceptor-Based Organic Solar Cells. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 669-676	20.1	187
25	Robust nonfullerene solar cells approaching unity external quantum efficiency enabled by suppression of geminate recombination. <i>Nature Communications</i> , <b>2018</b> , 9, 2059	17.4	141
24	PDI Derivative through Fine-Tuning the Molecular Structure for Fullerene-Free Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 29924-29931	9.5	120
23	Additive to regulate the perovskite crystal film growth in planar heterojunction solar cells. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 033901	3.4	116
22	Nonfullerene Acceptor for Organic Solar Cells with Chlorination on Dithieno[3,2-b:2',3'-d]pyrrol Fused-Ring. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 763-770	20.1	87
21	Dual Sensitizer and Processing-Aid Behavior of Donor Enables Efficient Ternary Organic Solar Cells. <i>Joule</i> , <b>2019</b> , 3, 846-857	27.8	68
20	Thieno[3,4-c]Pyrrole-4,6-Dione-Based Polymer Acceptors for High Open-Circuit Voltage All-Polymer Solar Cells. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1602574	21.8	65
19	A Highly Crystalline Fused-Ring n-Type Small Molecule for Non-Fullerene Acceptor Based Organic Solar Cells and Field-Effect Transistors. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1802895	15.6	63
18	Tuning of the conformation of asymmetric nonfullerene acceptors for efficient organic solar cells. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 22279-22286	13	47
17	The Influence of Solvent Additive on Polymer Solar Cells Employing Fullerene and Non-Fullerene Acceptors. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1700358	6.4	46
16	Molecular Orientation Unified Nonfullerene Acceptor Enabling 14% Efficiency As-Cast Organic Solar Cells. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1903269	15.6	45
15	Efficient DPP Donor and Nonfullerene Acceptor Organic Solar Cells with High Photon-to-Current Ratio and Low Energetic Loss. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1902441	15.6	32
14	A universal solution processed interfacial bilayer enabling ohmic contact in organic and hybrid optoelectronic devices. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 268-276	35.4	26
13	Electron-Deficient and Quinoid Central Unit Engineering for Unfused Ring-Based A-D-A-D-A-Type Acceptor Enables High Performance Nonfullerene Polymer Solar Cells with High V and PCE Simultaneously. <i>Small</i> , <b>2020</b> , 16, e1907681	11	22
12	A Highly Conductive Titanium Oxynitride Electron-Selective Contact for Efficient Photovoltaic Devices. <i>Advanced Materials</i> , <b>2020</b> , 32, e2002608	24	22
11	Fluorination Triggered New Small Molecule Donor Materials for Efficient As-Cast Organic Solar Cells. <i>Small</i> , <b>2018</b> , 14, e1801542	11	20
10	A new NIR absorbing DPP-based polymer for thick organic solar cells. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 2957-2961	7.1	17

9	Side chain engineering on dithieno[3,2-b:2,3-d]pyrrol fused electron acceptors for efficient organic solar cells. <i>Materials Chemistry Frontiers</i> , <b>2019</b> , 3, 702-708	7.8	16
8	Process-aid solid engineering triggers delicately modulation of Y-series non-fullerene acceptor for efficient organic solar cells.. <i>Advanced Materials</i> , <b>2022</b> , e2200907	24	11
7	Manipulation of Zinc Oxide with Zirconium Doping for Efficient Inverted Organic Solar Cells. <i>Small</i> , <b>2021</b> , 17, e2006387	11	9
6	Investigation of Tunable Halogen-free Solvent Engineering on Aggregation and Miscibility Towards High-performance Organic Solar Cells. <i>Nano Energy</i> , <b>2021</b> , 106678	17.1	8
5	Efficient as-cast thick film small-molecule organic solar cell with less fluorination on the donor. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 206-212	7.8	7
4	A Nonionic Alcohol Soluble Polymer Cathode Interlayer Enables Efficient Organic and Perovskite Solar Cells.. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 8602-8611	9.6	6
3	Synergistic Interplay between Asymmetric Backbone Conformation, Molecular Aggregation, and Charge-Carrier Dynamics in Fused-Ring Electron Acceptor-Based Bulk Heterojunction Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 2961-2970	9.5	4
2	Chloride side-chain engineered quinoxaline-based D-A copolymer enabling non-fullerene organic solar cells with over 16% Efficiency. <i>Chemical Engineering Journal</i> , <b>2022</b> , 135182	14.7	3
1	Zirconium-Doped Zinc Oxide Nanoparticles as Cathode Interfacial Layers for Efficiently Rigid and Flexible Organic Solar Cells. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 10616-10621	6.4	3