Shuixing Dai

List of Publications by Year
in descending order

29 papers	3,451 citations	331670 21 h-index	477307 29 g-index
29 all docs	29 docs citations	29 times ranked	3026 citing authors

#	Article	IF	Citations
1	Fused Nonacyclic Electron Acceptors for Efficient Polymer Solar Cells. Journal of the American Chemical Society, 2017, 139, 1336-1343.	13.7	813
2	Singleâ€Junction Binaryâ€Blend Nonfullerene Polymer Solar Cells with 12.1% Efficiency. Advanced Materials, 2017, 29, 1700144.	21.0	629
3	Fused Tris(thienothiophene)â€Based Electron Acceptor with Strong Nearâ€Infrared Absorption for Highâ€Performance Asâ€Cast Solar Cells. Advanced Materials, 2018, 30, 1705969.	21.0	340
4	Enhancing the Performance of Polymer Solar Cells via Core Engineering of NIRâ€Absorbing Electron Acceptors. Advanced Materials, 2018, 30, e1706571.	21.0	309
5	Naphthodithiopheneâ€Based Nonfullerene Acceptor for Highâ€Performance Organic Photovoltaics: Effect of Extended Conjugation. Advanced Materials, 2018, 30, 1704713.	21.0	199
6	Breaking 10% Efficiency in Semitransparent Solar Cells with Fused-Undecacyclic Electron Acceptor. Chemistry of Materials, 2018, 30, 239-245.	6.7	167
7	Nonfullerene Acceptors for Semitransparent Organic Solar Cells. Advanced Energy Materials, 2018, 8, 1800002.	19.5	160
8	Highâ€Performance Fluorinated Fusedâ€Ring Electron Acceptor with 3D Stacking and Exciton/Charge Transport. Advanced Materials, 2020, 32, e2000645.	21.0	122
9	Effect of Core Size on Performance of Fused-Ring Electron Acceptors. Chemistry of Materials, 2018, 30, 5390-5396.	6.7	102
10	High-Performance Fused Ring Electron Acceptorâ€"Perovskite Hybrid. Journal of the American Chemical Society, 2018, 140, 14938-14944.	13.7	71
11	Fluorinated fused nonacyclic interfacial materials for efficient and stable perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 21414-21421.	10.3	59
12	A perylene diimide based polymer: a dual function interfacial material for efficient perovskite solar cells. Materials Chemistry Frontiers, 2017, 1, 1079-1086.	5.9	51
13	Enhancing the performance of the electron acceptor ITIC-Th <i>via</i> tailoring its end groups. Materials Chemistry Frontiers, 2018, 2, 537-543.	5.9	46
14	Oligothiophene-bridged perylene diimide dimers for fullerene-free polymer solar cells: effect of bridge length. Journal of Materials Chemistry A, 2015, 3, 13000-13010.	10.3	45
15	Efficient and stable organic solar cells via a sequential process. Journal of Materials Chemistry C, 2016, 4, 8086-8093.	5.5	45
16	High-performance organic solar cells based on polymer donor/small molecule donor/nonfullerene acceptor ternary blends. Journal of Materials Chemistry A, 2019, 7, 2268-2274.	10.3	42
17	Photophysical pathways in efficient bilayer organic solar cells: The importance of interlayer energy transfer. Nano Energy, 2021, 84, 105924.	16.0	33
18	High-performance ternary organic solar cells with photoresponses beyond 1000 nm. Journal of Materials Chemistry A, 2018, 6, 24210-24215.	10.3	31

#	Article	IF	Citations
19	The impact of fluorination on both donor polymer and non-fullerene acceptor: The more fluorine, the merrier. Nano Research, 2019, 12, 2400-2405.	10.4	28
20	Modulating morphology via side-chain engineering of fused ring electron acceptors for high performance organic solar cells. Science China Chemistry, 2019, 62, 790-796.	8.2	26
21	Enabling Highâ€Performance Tandem Organic Photovoltaic Cells by Balancing the Front and Rear Subcells. Advanced Materials, 2020, 32, e2002315.	21.0	25
22	Highâ€Performance Nonfullerene Organic Solar Cells with Unusual Inverted Structure. Solar Rrl, 2020, 4, 2000115.	5.8	21
23	Highly Conjugated, Fused-Ring, Quadrupolar Organic Chromophores with Large Two-Photon Absorption Cross-Sections in the Near-Infrared. Journal of Physical Chemistry A, 2020, 124, 4367-4378.	2.5	20
24	Perylene and naphthalene diimide copolymers for allâ€polymer solar cells: Effect of perylene/naphthalene ratio. Journal of Polymer Science Part A, 2017, 55, 682-689.	2.3	19
25	Ternary Blending Driven Molecular Reorientation of Non-Fullerene Acceptor IDIC with Backbone Order. ACS Applied Energy Materials, 2020, 3, 10814-10822.	5.1	15
26	Utilizing Difluorinated Thiophene Units To Improve the Performance of Polymer Solar Cells. Macromolecules, 2019, 52, 6523-6532.	4.8	14
27	Multi-armed imide-based molecules promote interfacial charge transfer for efficient organic solar cells. Chemical Engineering Journal, 2022, 441, 135894.	12.7	9
28	Effects of Fluorination Position on Fusedâ€Ring Electron Acceptors. Small Structures, 2020, 1, 2000006.	12.0	8
29	Convenient fabrication of conjugated polymer semiconductor nanotubes and their application in organic electronics. Royal Society Open Science, 2018, 5, 180868.	2.4	2