Yuxiang Li

List of Publications by Year
in descending order

29 papers	1,849 citations	361296 20 h-index	477173 29 g-index
29 all docs	29 docs citations	29 times ranked	1869 citing authors

#	Article	IF	Citations
1	Fine-tuned crystallinity of polymerized non-fullerene acceptor via molecular engineering towards efficient all-polymer solar cell. Chemical Engineering Journal, 2022, 428, 131232.	6.6	20
2	Polymerizing small molecular acceptors for efficient allâ€polymer solar cells. InformaÄnÃ-MateriÃ¡ly, 2022, 4, .	8.5	42
3	Sideâ€Chain Substituents on Benzotriazoleâ€Based Polymer Acceptors Affecting the Performance of Allâ€Polymer Solar Cells. Macromolecular Rapid Communications, 2022, 43, e2200062.	2.0	12
4	16.3% Efficiency binary all-polymer solar cells enabled by a novel polymer acceptor with an asymmetrical selenophene-fused backbone. Science China Chemistry, 2022, 65, 309-317.	4.2	54
5	Over 17% Efficiency Binary Organic Solar Cells with Photoresponses Reaching 1000 nm Enabled by Selenophene-Fused Nonfullerene Acceptors. ACS Energy Letters, 2021, 6, 9-15.	8.8	141
6	Asymmetric Acceptors Enabling Organic Solar Cells to Achieve an over 17% Efficiency: Conformation Effects on Regulating Molecular Properties and Suppressing Nonradiative Energy Loss. Advanced Energy Materials, 2021, 11, 2003177.	10.2	114
7	High Efficiency (15.8%) All-Polymer Solar Cells Enabled by a Regioregular Narrow Bandgap Polymer Acceptor. Journal of the American Chemical Society, 2021, 143, 2665-2670.	6.6	245
8	Regulating the Aggregation of Unfused Nonâ€Fullerene Acceptors via Molecular Engineering towards Efficient Polymer Solar Cells. ChemSusChem, 2021, 14, 3579-3589.	3.6	28
9	High-performance all-polymer solar cells enabled by a novel low bandgap non-fully conjugated polymer acceptor. Science China Chemistry, 2021, 64, 1380-1388.	4.2	51
10	Narrowâ€Bandgap Singleâ€Component Polymer Solar Cells with Approaching 9% Efficiency. Advanced Materials, 2021, 33, e2101295.	11.1	53
11	13.4â€‰% Efficiency from Allâ€Smallâ€Molecule Organic Solar Cells Based on a Crystalline Donor with Chlorine and Trialkylsilyl Substitutions. ChemSusChem, 2021, 14, 3535-3543.	3.6	15
12	Boosting Highly Efficient Hydrocarbon Solvent-Processed All-Polymer-Based Organic Solar Cells by Modulating Thin-Film Morphology. ACS Applied Materials & Interfaces, 2021, 13, 34301-34307.	4.0	20
13	Fluorination Position: A Study of the Optoelectronic Properties of Two Regioisomers Using Spectroscopic and Computational Techniques. Journal of Physical Chemistry A, 2020, 124, 7685-7691.	1.1	2
14	A Generally Applicable Approach Using Sequential Deposition to Enable Highly Efficient Organic Solar Cells. Small Methods, 2020, 4, 2000687.	4.6	86
15	Effect of Backbone Fluorine and Chlorine Substitution on Chargeâ€Transport Properties of Naphthalenediimideâ€Based Polymer Semiconductors. Advanced Electronic Materials, 2020, 6, 1901241.	2.6	21
16	Toward Efficient All-Polymer Solar Cells via Halogenation on Polymer Acceptors. ACS Applied Materials & Interfaces, 2020, 12, 33028-33038.	4.0	42
17	Influence of backbone modification of difluoroquinoxaline-based copolymers on the interchain packing, blend morphology and photovoltaic properties of nonfullerene organic solar cells. Journal of Materials Chemistry C, 2019, 7, 1681-1689.	2.7	25
18	Regioisomeric wide-band-gap polymers with different fluorine topologies for non-fullerene organic solar cells. Polymer Chemistry, 2019, 10, 395-402.	1.9	22

#	Article	IF	Citations
19	Alkoxybenzothiadiazole-Based Fullerene and Nonfullerene Polymer Solar Cells with High Shunt Resistance for Indoor Photovoltaic Applications. ACS Applied Materials & Interfaces, 2018, 10, 3885-3894.	4.0	52
20	Morphology Control Enables Efficient Ternary Organic Solar Cells. Advanced Materials, 2018, 30, e1803045.	11.1	243
21	Synthesis and photovoltaic properties of three different types of terpolymers. Materials Chemistry Frontiers, 2017, 1, 1147-1155.	3.2	6
22	Semi-crystalline photovoltaic polymers with siloxane-terminated hybrid side-chains. Science China Chemistry, 2017, 60, 528-536.	4.2	3
23	Two Regioisomeric Ï€â€Conjugated Small Molecules: Synthesis, Photophysical, Packing, and Optoelectronic Properties. Advanced Functional Materials, 2017, 27, 1701942.	7.8	27
24	Correlation between Phase-Separated Domain Sizes of Active Layer and Photovoltaic Performances in All-Polymer Solar Cells. Macromolecules, 2016, 49, 5051-5058.	2.2	93
25	Thiophene and Naphtho[1,2-c:5,6-c]bis[1,2,5]thiadiazole Based Alternating Copolymers for Polymer Solar Cells. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2016, 29, 553-559.	0.1	2
26	2,1,3â€benzothiadiazoleâ€5,6â€dicarboxylicimide based semicrystalline polymers for photovoltaic cells. Journal of Polymer Science Part A, 2016, 54, 3826-3834.	2.5	5
27	Straight chain Dâ€"A copolymers based on thienothiophene and benzothiadiazole for efficient polymer field effect transistors and photovoltaic cells. Polymer Chemistry, 2016, 7, 4638-4646.	1.9	29
28	Quinoxalineâ€"thiophene based thick photovoltaic devices with an efficiency of âˆ¼8%. Journal of Materials Chemistry A, 2016, 4, 9967-9976.	5.2	49
29	Determining the Role of Polymer Molecular Weight for High-Performance All-Polymer Solar Cells: Its Effect on Polymer Aggregation and Phase Separation. Journal of the American Chemical Society, 2015, 137, 2359-2365.	6.6	347