Cuihong Li

List of Publications by Year
in descending order

67 papers	2,912 citations	186265 28 h-index	168389 53 g-index
67 all docs	67 docs citations	67 times ranked	3295 citing authors

#	Article	IF	Citations
1	Designing High-Performance Nonfused Ring Electron Acceptors <i>via</i> Synergistically Adjusting Side Chains and Electron-Withdrawing End-Groups. ACS Applied Materials & Interfaces, 2022, 14, 21287-21294.	8.0	12
2	End-group modification of non-fullerene acceptors enables efficient organic solar cells. Journal of Materials Chemistry C, 2022, 10, 10389-10395.	5.5	8
3	Simple dithienosilole-based nonfused nonfullerene acceptor for efficient organic photovoltaics. Dyes and Pigments, 2021, 184, 108789.	3.7	14
4	Insights into out-of-plane side chains effects on optoelectronic and photovoltaic properties of simple non-fused electron acceptors. Organic Electronics, 2021, 89, 106029.	2.6	14
5	Efficient Ternary Organic Solar Cells with a New Electron Acceptor Based on 3,4-(2,2-Dihexylpropylenedioxy)thiophene. ACS Applied Materials & Interfaces, 2020, 12, 40590-40598.	8.0	18
6	Extended Ï€-conjugated perylene diimide dimers toward efficient organic solar cells. Dyes and Pigments, 2020, 183, 108736.	3.7	9
7	Efficient Organic Solar Cells Based on Non-Fullerene Acceptors with Two Planar Thiophene-Fused Perylene Diimide Units. ACS Applied Materials & Interfaces, 2020, 12, 10746-10754.	8.0	23
8	Noncovalently fused-ring electron acceptors with near-infrared absorption for high-performance organic solar cells. Nature Communications, 2019, 10, 3038.	12.8	297
9	Perylene diimide based star-shaped small molecular acceptors for high efficiency organic solar cells. Journal of Materials Chemistry C, 2019, 7, 819-825.	5.5	37
10	Dihydropyreno[1,2-b:6,7-bâ€²]dithiophene based electron acceptors for high efficiency as-cast organic solar cells. Journal of Materials Chemistry A, 2019, 7, 5943-5948.	10.3	21
11	Naphthalene core-based noncovalently fused-ring electron acceptors: effects of linkage positions on photovoltaic performances. Journal of Materials Chemistry C, 2019, 7, 15141-15147.	5.5	24
12	Bis(carboxylate) substituted benzodithiophene based wide-bandgap polymers for high performance nonfullerene polymer solar cells. Dyes and Pigments, 2019, 162, 120-125.	3.7	7
13	Designing a High-Performance A-D-A Fused-Ring Electron Acceptor <i>via</i> Noncovalently Conformational Locking and Tailoring Its End Groups. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2019, 35, 355-360.	4.9	19
14	The design of highly efficient polymer solar cells with outstanding short-circuit current density based on small band gap electron acceptor. Dyes and Pigments, 2018, 150, 363-369.	3.7	15
15	A propeller-shaped perylene diimide hexamer as a nonfullerene acceptor for organic solar cells. Journal of Materials Chemistry C, 2018, 6, 9336-9340.	5.5	28
16	Finely designed medium-band-gap polymer donor with judiciously selecting chalcogen atom for high efficiency polymer solar cell. Dyes and Pigments, 2017, 141, 342-347.	3.7	13
17	Enhancing the Performance of Polymer Solar Cells by Using Donor Polymers Carrying Discretely Distributed Side Chains. ACS Applied Materials & Interfaces, 2017, 9, 24020-24026.	8.0	14
18	Hyperbranched polymer as an acceptor for polymer solar cells. Chemical Communications, 2017, 53, 537-540.	4.1	26

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19	Influence of polymer side chains on the photovoltaic performance of non-fullerene organic solar cells. Journal of Materials Chemistry C, 2017, 5, 937-942.	5.5	19
20	Data on the detail information of influence of substrate temperature on the film morphology and photovoltaic performance of non-fullerene organic solar cells. Data in Brief, 2017, 14, 531-537.	1.0	3
21	Vinylene- and ethynylene-bridged perylene diimide dimers as nonfullerene acceptors for polymer solar cells. Dyes and Pigments, 2017, 146, 143-150.	3.7	16
22	Efficient polymer solar cells processed by environmentally friendly halogen-free solvents. RSC Advances, 2016, 6, 39074-39079.	3.6	11
23	1,8-Naphthalimide-based nonfullerene acceptors for wide optical band gap polymer solar cells with an ultrathin active layer thickness of 35 nm. Journal of Materials Chemistry C, 2016, 4, 5656-5663.	5.5	42
24	The effect of meta-substituted or para-substituted phenyl as side chains on the performance of polymer solar cells. Synthetic Metals, 2016, 220, 402-409.	3.9	3
25	Side chain effect of nonfullerene acceptors on the photovoltaic performance of wide band gap polymer solar cells. Synthetic Metals, 2016, 220, 578-584.	3.9	13
26	Elimination of the Jâ€“V hysteresis of planar perovskite solar cells by interfacial modification with a thermo-cleavable fullerene derivative. Journal of Materials Chemistry A, 2016, 4, 17649-17654.	10.3	24
27	Highly Efficient Planar Perovskite Solar Cells Via Interfacial Modification with Fullerene Derivatives. Small, 2016, 12, 1098-1104.	10.0	107
28	Effect of bifurcation point of alkoxy side chains on photovoltaic performance of 5-alkoxy-6-fluorobenzo[c][1,2,5]thiadiazole-based conjugated polymers. Solar Energy Materials and Solar Cells, 2016, 154, 42-48.	6.2	5
29	1,8-Naphthalimide-Based Planar Small Molecular Acceptor for Organic Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 5475-5483.	8.0	80
30	4-Alkyl-3,5-difluorophenyl-Substituted Benzodithiophene-Based Wide Band Gap Polymers for High-Efficiency Polymer Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 3686-3692.	8.0	75
31	A nonfullerene acceptor for wide band gap polymer based organic solar cells. Chemical Communications, 2016, 52, 469-472.	4.1	48
32	A 1,8-naphthalimide based small molecular acceptor for polymer solar cells with high open circuit voltage. Journal of Materials Chemistry C, 2015, 3, 6979-6985.	5.5	41
33	Reversible Luminescence Switching of an Organic Solid: Controllable Onâ€“Off Persistent Room Temperature Phosphorescence and Stimulated Multiple Fluorescence Conversion. Advanced Optical Materials, 2015, 3, 1184-1190.	7.3	173
34	Performance Enhancement of Polymer Solar Cells by Using Two Polymer Donors with Complementary Absorption Spectra. Macromolecular Rapid Communications, 2015, 36, 1348-1353.	3.9	12
35	Side Chain Influence on the Morphology and Photovoltaic Performance of 5-Fluoro-6-alkyloxybenzothiadiazole and Benzodithiophene Based Conjugated Polymers. ACS Applied Materials & Interfaces, 2015, 7, 10710-10717.	8.0	38
36	Benzothiadiazole based conjugated polymers for high performance polymer solar cells. Journal of Materials Chemistry A, 2015, 3, 20195-20200.	10.3	52

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37	The side chain effect on difluoro-substituted dibenzo[a,c]phenazine based conjugated polymers as donor materials for high efficiency polymer solar cells. Polymer Chemistry, 2015, 6, 1613-1618.	3.9	17
38	5,6-Difluorobenzothiadiazole and silafluorene based conjugated polymers for organic photovoltaic cells. Journal of Materials Chemistry C, 2014, 2, 5116-5123.	5.5	27
39	9-Arylidene-9<i>H</i>-Fluorene-Containing Polymers for High Efficiency Polymer Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 1601-1607.	8.0	31
40	Engineering the band gap and energy level of conjugated polymers using a second acceptor unit. Polymer Chemistry, 2014, 5, 5037-5045.	3.9	11
41	Switching emissions of two tetraphenylethene derivatives with solvent vapor, mechanical, and thermal stimuli. Science Bulletin, 2013, 58, 2723-2727.	1.7	34
42	Synthesis of thiophene-containing conjugated polymers from 2,5-thiophenebis(boronic ester)s by Suzuki polycondensation. Polymer Chemistry, 2013, 4, 895.	3.9	18
43	Ethynyleneâ€containing donorâ€“acceptor alternating conjugated polymers: Synthesis and photovoltaic properties. Journal of Polymer Science Part A, 2013, 51, 383-393.	2.3	16
44	Conjugated polymers with 2,7-linked 3,6-difluorocarbazole as donor unit for high efficiency polymer solar cells. Polymer Chemistry, 2013, 4, 2773.	3.9	31
45	Novel isoindigo-based conjugated polymers for solar cells and field effect transistors. Polymer Chemistry, 2013, 4, 3563.	3.9	30
46	Switching the emission of tetrakis(4-methoxyphenyl)ethylene among three colors in the solid state. New Journal of Chemistry, 2013, 37, 1696.	2.8	59
47	Anthraceneâ€Containing Wideâ€Bandâ€Gap Conjugated Polymers for Highâ€Openâ€Circuitâ€Voltage Polymer Solar Cells. Macromolecular Rapid Communications, 2013, 34, 1163-1168.	3.9	18
48	Triindole-cored star-shaped molecules for organic solar cells. Journal of Materials Chemistry A, 2013, 1, 7657.	10.3	53
49	Polymer Photovoltaic Cells Based on Polymethacrylate Bearing Semiconducting Side Chains. Macromolecular Rapid Communications, 2012, 33, 2097-2102.	3.9	5
50	Reversible Switching Emissions of Tetraphenylethene Derivatives among Multiple Colors with Solvent Vapor, Mechanical, and Thermal Stimuli. Journal of Physical Chemistry C, 2012, 116, 21967-21972.	3.1	179
51	Malachite Green Derivativeâ€“Functionalized Single Nanochannel: Lightâ€andâ€pH Dualâ€Driven Ionic Gating (Adv. Mater. 46/2012). Advanced Materials, 2012, 24, 6192-6192.	21.0	0
52	Dihydronaphthyl-based [60]fullerene bisadducts for efficient and stable polymer solar cells. Chemical Communications, 2012, 48, 425-427.	4.1	122
53	Spirobifluorene-Based Conjugated Polymers for Polymer Solar Cells with High Open-Circuit Voltage. Macromolecules, 2012, 45, 3017-3022.	4.8	34
54	Synthesis and photovoltaic behaviors of benzothiadiazole- and triphenylamine-based alternating copolymers. Polymer, 2012, 53, 324-332.	3.8	17

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55	9-Alkylidene-9<i>H</i>-Fluorene-Containing Polymer for High-Efficiency Polymer Solar Cells. Macromolecules, 2011, 44, 7617-7624.	4.8	99
56	Siloleâ€containing polymers for highâ€efficiency polymer solar cells. Journal of Polymer Science Part A, 2011, 49, 4267-4274.	2.3	40
57	Polythiophenes with Carbazole Side Chains: Design, Synthesis and Their Application in Organic Solar Cells. Macromolecular Chemistry and Physics, 2010, 211, 948-955.	2.2	13
58	Conjugated polymers with broad absorption: Synthesis and application in polymer solar cells. Journal of Polymer Science Part A, 2010, 48, 2571-2578.	2.3	46
59	Stabilization and Large Nonlinearity of Gold Nanoparticles Functionalized with a Ï€â€Conjugated Polymer. ChemPhysChem, 2009, 10, 2058-2065.	2.1	11
60	A Planar Copolymer for High Efficiency Polymer Solar Cells. Journal of the American Chemical Society, 2009, 131, 14612-14613.	13.7	407
61	Phenylethyne-Bridged Dyes for Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2009, 113, 13391-13397.	3.1	58
62	Synthesis of a novel poly(<i>para</i>â€phenylene ethynylene) for highly selective and sensitive sensing mercury (II) ions. Journal of Polymer Science Part A, 2008, 46, 1998-2007.	2.3	38
63	The Process of Functional Conjugated Organic Polymers Derived from Tripleâ€Bond Building Blocks. Macromolecular Chemistry and Physics, 2008, 209, 1541-1552.	2.2	26
64	Unusual Fluorescence Enhancement of a Novel Carbazolyldiacetylene Bound to Gold Nanoparticles. Langmuir, 2007, 23, 6754-6760.	3.5	40
65	Molecular modeling of poly(p-phenylenevinylene): Synthesis and photophysical properties of oligomers. Journal of Polymer Science Part A, 2007, 45, 911-924.	2.3	15
66	Induced helix formation and stabilization of a meta-linked polymer containing pyridine units. Journal of Polymer Science Part A, 2007, 45, 1403-1412.	2.3	7
67	A New Class of Conjugated Polymers Having Porphyrin, Poly(p-phenylenevinylene), and Fullerene Units for Efficient Electron Transfer. Macromolecules, 2006, 39, 5319-5325.	4.8	49