Yingping Zou

List of Publications by Year
in descending order

148 papers	12,730 citations	53794 45 h-index	24982 109 g-index
153 all docs	153 docs citations	153 times ranked	7143 citing authors

#	Article	IF	Citations
1	Fineâ€Tuning the Photovoltaic Performance of Organic Solar Cells by Collaborative Optimization of Structural Isomerism and Halogen Atom. Advanced Energy and Sustainability Research, 2022, 3, 2100138.	5.8	0
2	Improved Space Time Yield of Chlorine over CuO/Al2O3 Co-Promoted by MnOx-CoOx in HCl Oxidation Reaction. Catalysis Letters, 2022, 152, 2239-2246.	2.6	2
3	Modulation of Vertical Component Distribution for Largeâ€Area Thickâ€Film Organic Solar Cells. Solar Rrl, 2022, 6, 2100838.	5.8	9
4	Monolayer Nanosheets Exfoliated from Cage-Based Cationic Metalâ€"Organic Frameworks. Inorganic Chemistry, 2022, 61, 1521-1529.	4.0	6
5	<i>In situ</i> growth of phosphorus-doped boron nitride on commercial alumina as a robust catalyst for direct dehydrogenation of ethylbenzene. Catalysis Science and Technology, 2022, 12, 962-968.	4.1	3
6	Understanding the Role of Order in Yâ€Series Nonâ€Fullerene Solar Cells to Realize High Openâ€Circuit Voltages. Advanced Energy Materials, 2022, 12, .	19.5	32
7	Manipulating molecular aggregation and crystalline behavior of Aâ€DA'Dâ€A type acceptors by side chain engineering in organic solar cells. Aggregate, 2022, 3, .	9.9	16
8	Electron-Deficient Contorted Polycyclic Aromatic Hydrocarbon via One-Pot Annulative Ï€-Extension of Perylene Diimide. Organic Letters, 2022, 24, 2414-2419.	4.6	8
9	Recent progress in organic solar cells (Part I material science). Science China Chemistry, 2022, 65, 224-268.	8.2	349
10	A-DAâ€²D-A Structured Organic Phototheranostics for NIR-II Fluorescence/Photoacoustic Imaging-Guided Photothermal and Photodynamic Synergistic Therapy. ACS Applied Materials & Interfaces, 2022, 14, 18043-18052.	8.0	35
11	A-Ï€-A structured non-fullerene acceptors for stable organic solar cells with efficiency over 17%. Science China Chemistry, 2022, 65, 1374-1382.	8.2	53
12	Recent progress in organic solar cells (Part II device engineering). Science China Chemistry, 2022, 65, 1457-1497.	8.2	157
13	Effects of Oxygen Position in the Alkoxy Substituents on the Photovoltaic Performance of A-DAâ€²D-A Type Pentacyclic Small Molecule Acceptors. ACS Energy Letters, 2022, 7, 2373-2381.	17.4	19
14	An effective method of reconnoitering currentâ€"voltage (<i>IV</i>) characteristics of organic solar cells. Journal of Applied Physics, 2022, 132, .	2.5	2
15	Quantifying Quasiâ€Fermi Level Splitting and Openâ€Circuit Voltage Losses in Highly Efficient Nonfullerene Organic Solar Cells. Solar Rrl, 2021, 5, 2000649.	5.8	19
16	Asymmetric Alkoxy and Alkyl Substitution on Nonfullerene Acceptors Enabling Highâ€Performance Organic Solar Cells. Advanced Energy Materials, 2021, 11, 2003141.	19.5	144
17	Achieving ultra-narrow bandgap non-halogenated non-fullerene acceptors <i>via</i> vinylene Ï€-bridges for efficient organic solar cells. Materials Advances, 2021, 2, 2132-2140.	5.4	16
18	Optoelectrical Switching of Nonfullerene Acceptor Y6 and BPQDâ€Based Bulk Heterojunction Memory Device through Photoelectric Effect. Advanced Electronic Materials, 2021, 7, 2001191.	5.1	7

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19	Precise fluorination of polymeric donors towards efficient non-fullerene organic solar cells with balanced open circuit voltage, short circuit current and fill factor. Journal of Materials Chemistry A, 2021, 9, 14752-14757.	10.3	17
20	Unveiling the crystalline packing of Y6 in thin films by thermally induced â€œbackbone-onâ€•orientation. Journal of Materials Chemistry A, 2021, 9, 17030-17038.	10.3	22
21	Intrachain and Interchain Excitonâ€"Exciton Annihilation in Donorâ€"Acceptor Copolymers. Journal of Physical Chemistry Letters, 2021, 12, 3928-3933.	4.6	16
22	S-Shaped Double Helicene Diimides: Synthesis, Self-Assembly, and Mechanofluorochromism. Organic Letters, 2021, 23, 6183-6188.	4.6	16
23	Simultaneously Enhancing the <i>J</i>_{sc} and <i>V</i>_{oc} of Ternary Organic Solar Cells by Incorporating a Medium-Band-Gap Acceptor. ACS Applied Energy Materials, 2021, 4, 3480-3486.	5.1	19
24	Explaining the Fillâ€Factor and Photocurrent Losses of Nonfullerene Acceptorâ€Based Solar Cells by Probing the Longâ€Range Charge Carrier Diffusion and Drift Lengths. Advanced Energy Materials, 2021, 11, 2100804.	19.5	23
25	Correlating the Molecular Structure of Aâ€DAâ€²Dâ€A Type Nonâ€Fullerene Acceptors to Its Heat Transfer and Charge Transport Properties in Organic Solar Cells. Advanced Functional Materials, 2021, 31, 2101627.	14.9	25
26	Over 13% Efficient Organic Solar Cells Based on Lowâ€Cost Pentacyclic Aâ€DAâ€²Dâ€Aâ€Type Nonfullerene Acceptor. Solar Rrl, 2021, 5, 2100281.	5.8	17
27	A unified description of non-radiative voltage losses in organic solar cells. Nature Energy, 2021, 6, 799-806.	39.5	235
28	An Overview of Highâ€Performance Indoor Organic Photovoltaics. ChemSusChem, 2021, 14, 3428-3448.	6.8	21
29	Differently PEGylated Polymer Nanoparticles for Pancreatic Cancer Delivery: Using a Novel Near-Infrared Emissive and Biodegradable Polymer as the Fluorescence Tracer. Frontiers in Bioengineering and Biotechnology, 2021, 9, 699610.	4.1	4
30	Compatibility between Solubility and Enhanced Crystallinity of Benzotriazole-Based Small Molecular Acceptors with Less Bulky Alkyl Chains for Organic Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 36053-36061.	8.0	23
31	Y6 and its derivatives: molecular design and physical mechanism. National Science Review, 2021, 8, nwab121.	9.5	40
32	Interplay between Intrachain and Interchain Excited States in Donorâ€"Acceptor Copolymers. Journal of Physical Chemistry B, 2021, 125, 7470-7476.	2.6	10
33	Reduced Intrinsic Nonâ€Radiative Losses Allow Roomâ€Temperature Triplet Emission from Purely Organic Emitters. Advanced Materials, 2021, 33, e2101844.	21.0	28
34	Binary and Ternary Polymer Solar Cells Based on a Wide Bandgap Dâ€A Copolymer Donor and Two Nonfullerene Acceptors with Complementary Absorption Spectral. ChemSusChem, 2021, 14, 4731-4740.	6.8	3
35	Binary non-fullerene-based polymer solar cells with a 430 nm thick active layer showing 15.39% efficiency and 73.38% fill factor. Journal of Materials Chemistry A, 2021, 9, 7129-7136.	10.3	28
36	Phosphorus-doped h-boron nitride as an efficient metal-free catalyst for direct dehydrogenation of ethylbenzene. Catalysis Science and Technology, 2021, 11, 5590-5597.	4.1	7

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37	Low-Bandgap Non-fullerene Acceptors Enabling High-Performance Organic Solar Cells. ACS Energy Letters, 2021, 6, 598-608.	17.4	175
38	Alkoxy substitution on IDT-Series and Y-Series non-fullerene acceptors yielding highly efficient organic solar cells. Journal of Materials Chemistry A, 2021, 9, 7481-7490.	10.3	42
39	Bulk Heterojunction Optoelectrical Switching Devices Fabricated Using Nonfullerene Acceptor Y6: Aggregation-Induced Emission Polymer Blend Active Layers. Bulletin of the Chemical Society of Japan, 2021, 94, 2718-2726.	3.2	1
40	Asymmetric Non-Fullerene Small-Molecule Acceptors toward High-Performance Organic Solar Cells. ACS Central Science, 2021, 7, 1787-1797.	11.3	58
41	Tradeâ€Off between Exciton Dissociation and Carrier Recombination and Dielectric Properties in Y6â€Sensitized Nonfullerene Ternary Organic Solar Cells. Energy Technology, 2020, 8, 1900924.	3.8	32
42	Potassium-Presenting Zinc Oxide Surfaces Induce Vertical Phase Separation in Fullerene-Free Organic Photovoltaics. Nano Letters, 2020, 20, 715-721.	9.1	48
43	Synthesis and Photovoltaic Investigation of 8,10-Bis(2-octyldodecyl)-8,10-dihydro-9<i>H</i>-bisthieno[2â€²,3â€²:7,8;3â€³,2â€³:5,6]naphtho[2,3-<i>d</i>]imidazol-9-one Based Conjugated Polymers Using a Nonfullerene Acceptor. ACS Applied Energy Materials, 2020, 3, 495-505.	5.1	10
44	New Conjugated Polymers Based on Dithieno[2,3â€e:3â€²,2â€²â€g]Isoindoleâ€7,9(8H)â€Dione Derivatives for Applications in Nonfullerene Polymer Solar Cells. Solar Rrl, 2020, 4, 1900475.	5.8	7
45	Indole-based Aâ€“DAâ€²Dâ€“A type acceptor-based organic solar cells achieve efficiency over 15 % with low energy loss. Sustainable Energy and Fuels, 2020, 4, 6203-6211.	4.9	8
46	Interface Modification Enabled by Atomic Layer Deposited Ultraâ€Thin Titanium Oxide for Highâ€Efficiency and Semitransparent Organic Solar Cells. Solar Rrl, 2020, 4, 2000497.	5.8	15
47	Highâ€Efficiency Nonfullerene Organic Solar Cells Enabled by Atomic Layer Deposited Zirconiumâ€Doped Zinc Oxide. Solar Rrl, 2020, 4, 2000241.	5.8	18
48	Fluorination Enhances NIRâ€II Fluorescence of Polymer Dots for Quantitative Brain Tumor Imaging. Angewandte Chemie - International Edition, 2020, 59, 21049-21057.	13.8	108
49	Delocalization of exciton and electron wavefunction in non-fullerene acceptor molecules enables efficient organic solar cells. Nature Communications, 2020, 11, 3943.	12.8	458
50	A-DAâ€²D-A non-fullerene acceptors for high-performance organic solar cells. Science China Chemistry, 2020, 63, 1352-1366.	8.2	226
51	Putting Order into PM6:Y6 Solar Cells to Reduce the Langevin Recombination in 400â€‰nm Thick Junction. Solar Rrl, 2020, 4, 2000498.	5.8	49
52	Optimising Non-Patterned MoO3/Ag/MoO3 Anode for High-Performance Semi-Transparent Organic Solar Cells towards Window Applications. Nanomaterials, 2020, 10, 1759.	4.1	20
53	Fluorination Enhances NIRâ€II Fluorescence of Polymer Dots for Quantitative Brain Tumor Imaging. Angewandte Chemie, 2020, 132, 21235-21243.	2.0	15
54	From Generation to Extraction: A Time-Resolved Investigation of Photophysical Processes in Non-fullerene Organic Solar Cells. Journal of Physical Chemistry C, 2020, 124, 21283-21292.	3.1	8

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55	Fine-tuning the energy levels and morphology <i>via</i> fluorination and thermal annealing enable high efficiency non-fullerene organic solar cells. Materials Chemistry Frontiers, 2020, 4, 3310-3318.	5.9	17
56	Aâ€“DAâ€²Dâ€“A Nonfullerene Acceptor Obtained by Fine-Tuning Side Chains on Pyrroles Enables PBDB-T-Based Organic Solar Cells with over 14% Efficiency. ACS Applied Energy Materials, 2020, 3, 11981-11991.	5.1	8
57	Tuning the electron-deficient core of a non-fullerene acceptor to achieve over 17% efficiency in a single-junction organic solar cell. Energy and Environmental Science, 2020, 13, 2459-2466.	30.8	324
58	An asymmetric small molecule acceptor for organic solar cells with a short circuit current density over 24 mA cm^{âˆ’2}. Journal of Materials Chemistry A, 2020, 8, 15984-15991.	10.3	37
59	Vertical Miscibility of Bulk Heterojunction Films Contributes to High Photovoltaic Performance. Advanced Materials Interfaces, 2020, 7, 2000577.	3.7	33
60	High-Performance Ternary Organic Solar Cells with Controllable Morphology via Sequential Layer-by-Layer Deposition. ACS Applied Materials & Interfaces, 2020, 12, 13077-13086.	8.0	69
61	High-efficiency organic solar cells with low non-radiative recombination loss and low energetic disorder. Nature Photonics, 2020, 14, 300-305.	31.4	713
62	Barrierless Free Charge Generation in the Highâ€Performance PM6:Y6 Bulk Heterojunction Nonâ€Fullerene Solar Cell. Advanced Materials, 2020, 32, e1906763.	21.0	258
63	Extraordinarily long diffusion length in PM6:Y6 organic solar cells. Journal of Materials Chemistry A, 2020, 8, 7854-7860.	10.3	74
64	A disorder-free conformation boosts phonon and charge transfer in an electron-deficient-core-based non-fullerene acceptor. Journal of Materials Chemistry A, 2020, 8, 8566-8574.	10.3	37
65	High efficiency ternary organic solar cells enabled by compatible dual-donor strategy with planar conjugated structures. Science China Chemistry, 2020, 63, 917-923.	8.2	24
66	Understanding energetic disorder in electron-deficient-core-based non-fullerene solar cells. Science China Chemistry, 2020, 63, 1159-1168.	8.2	92
67	Burn-In Degradation Mechanism Identified for Small Molecular Acceptor-Based High-Efficiency Nonfullerene Organic Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 27433-27442.	8.0	38
68	Molecular Tuning of Titanium Complexes with Controllable Work Function for Efficient Organic Photovoltaics. Journal of Physical Chemistry C, 2019, 123, 20800-20807.	3.1	4
69	Realizing Efficient Charge/Energy Transfer and Charge Extraction in Fullerene-Free Organic Photovoltaics via a Versatile Third Component. Nano Letters, 2019, 19, 5053-5061.	9.1	47
70	Quinoxaline-Based Semiconducting Polymer Dots for in Vivo NIR-II Fluorescence Imaging. Macromolecules, 2019, 52, 5735-5740.	4.8	46
71	Screening Quinoxaline-Type Donor Polymers for Roll-to-Roll Processing Compatible Organic Photovoltaics. ACS Applied Polymer Materials, 2019, 1, 2168-2176.	4.4	21
72	Rational Tuning of Molecular Interaction and Energy Level Alignment Enables Highâ€Performance Organic Photovoltaics. Advanced Materials, 2019, 31, e1904215.	21.0	162

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73	Realizing 8.6% Efficiency from Nonâ€Halogenated Solvent Processed Additive Free All Polymer Solar Cells with a Quinoxaline Based Polymer. Solar Rrl, 2019, 3, 1800340.	5.8	20
74	Enabling low voltage losses and high photocurrent in fullerene-free organic photovoltaics. Nature Communications, 2019, 10, 570.	12.8	377
75	Self-assembled polymeric micelles as amphiphilic particulate emulsifiers for controllable Pickering emulsions. Materials Chemistry Frontiers, 2019, 3, 356-364.	5.9	45
76	Enabling Efficient Tandem Organic Photovoltaics with High Fill Factor via Reduced Charge Recombination. ACS Energy Letters, 2019, 4, 1535-1540.	17.4	18
77	Fused Benzothiadiazole: A Building Block for nâ€Type Organic Acceptor to Achieve Highâ€Performance Organic Solar Cells. Advanced Materials, 2019, 31, e1807577.	21.0	297
78	Achieving 14.11% efficiency of ternary polymer solar cells by simultaneously optimizing photon harvesting and exciton distribution. Journal of Materials Chemistry A, 2019, 7, 7843-7851.	10.3	130
79	A wide-bandgap copolymer donor based on a phenanthridin-6(5<i>H</i>)-one unit. Materials Chemistry Frontiers, 2019, 3, 2686-2689.	5.9	6
80	Reliability of charge carrier recombination data determined with charge extraction methods. Journal of Applied Physics, 2019, 126, .	2.5	13
81	Solution-processable n-doped graphene-containing cathode interfacial materials for high-performance organic solar cells. Energy and Environmental Science, 2019, 12, 3400-3411.	30.8	129
82	Semitransparent solar cells with over 12% efficiency based on a new low bandgap fluorinated small molecule acceptor. Materials Chemistry Frontiers, 2019, 3, 2483-2490.	5.9	55
83	Suppressing photo-oxidation of non-fullerene acceptors and their blends in organic solar cells by exploring material design and employing friendly stabilizers. Journal of Materials Chemistry A, 2019, 7, 25088-25101.	10.3	107
84	Borane Incorporation in a Non-Fullerene Acceptor To Tune Steric and Electronic Properties and Improve Organic Solar Cell Performance. ACS Applied Energy Materials, 2019, 2, 1229-1240.	5.1	43
85	Efficient All-Polymer Solar Cells based on a New Polymer Acceptor Achieving 10.3% Power Conversion Efficiency. ACS Energy Letters, 2019, 4, 417-422.	17.4	196
86	Single-Junction Organic Solar Cell with over 15% Efficiency Using Fused-Ring Acceptor with Electron-Deficient Core. Joule, 2019, 3, 1140-1151.	24.0	4,052
87	Large-scale roll-to-roll printed, flexible and stable organic bulk heterojunction photodetector. Npj Flexible Electronics, 2018, 2, .	10.7	54
88	A Medium Bandgap Dâ€"A Copolymer Based on 4-Alkyl-3,5-difluorophenyl Substituted Quinoxaline Unit for High Performance Solar Cells. Macromolecules, 2018, 51, 2838-2846.	4.8	47
89	Side-chain fluorination on the pyrido[3,4-b]pyrazine unit towards efficient photovoltaic polymers. Science China Chemistry, 2018, 61, 206-214.	8.2	13
90	Optimizing the conjugated side chains of quinoxaline based polymers for nonfullerene solar cells with 10.5% efficiency. Journal of Materials Chemistry A, 2018, 6, 3074-3083.	10.3	61

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91	Benzyl and fluorinated benzyl side chains for perylene diimide non-fullerene acceptors. Materials Chemistry Frontiers, 2018, 2, 2272-2276.	5.9	19
92	Synthesis and photovoltaic properties of a non-fullerene acceptor with F-phenylalkoxy as a side chain. New Journal of Chemistry, 2018, 42, 19279-19284.	2.8	4
93	Nonhalogenated Solvent-Processed All-Polymer Solar Cells over 7.4% Efficiency from Quinoxaline-Based Polymers. ACS Applied Materials & Interfaces, 2018, 10, 41318-41325.	8.0	30
94	Small-Molecule Electron Acceptors for Efficient Non-fullerene Organic Solar Cells. Frontiers in Chemistry, 2018, 6, 414.	3.6	62
95	Toward a Universally Compatible Nonâ€Fullerene Acceptor: Multiâ€Gram Synthesis, Solvent Vapor Annealing Optimization, and BDTâ€Based Polymer Screening. Solar Rrl, 2018, 2, 1800143.	5.8	29
96	A new polymer field effect transistor based on fluorene derivative with fused furan rings. Journal of Applied Polymer Science, 2018, 135, 46865.	2.6	1
97	Synthesis of a Perylene Diimide Dimer with Pyrrolic Nâ€“H Bonds and Nâ€Functionalized Derivatives for Organic Fieldâ€Effect Transistors and Organic Solar Cells. European Journal of Organic Chemistry, 2018, 2018, 4592-4599.	2.4	34
98	Development of quinoxaline based polymers for photovoltaic applications. Journal of Materials Chemistry C, 2017, 5, 1858-1879.	5.5	103
99	Achieving over 10% efficiency in a new acceptor ITTC and its blends with hexafluoroquinoxaline based polymers. Journal of Materials Chemistry A, 2017, 5, 11286-11293.	10.3	102
100	Hexafluoroquinoxaline Based Polymer for Nonfullerene Solar Cells Reaching 9.4% Efficiency. ACS Applied Materials & Interfaces, 2017, 9, 18816-18825.	8.0	47
101	A new fluoropyrido[3,4-b]pyrazine based polymer for efficient photovoltaics. Polymer Chemistry, 2017, 8, 2227-2234.	3.9	4
102	Thieno[3,2-<i>b</i>]pyrrolo-Fused Pentacyclic Benzotriazole-Based Acceptor for Efficient Organic Photovoltaics. ACS Applied Materials & Interfaces, 2017, 9, 31985-31992.	8.0	161
103	Low temperature, fast synthesis and ionic conductivity of Li6MLa2Nb2O12 (Mâ€‰=â€‰Ca, Sr, Ba) garnets. Journal of Sol-Gel Science and Technology, 2017, 83, 660-665.	2.4	9
104	Two new fluorinated copolymers based on thieno[2,3-f]benzofuran for efficient polymer solar cells. RSC Advances, 2016, 6, 62923-62933.	3.6	12
105	Synthesis and characterization of 5,6-bis(n-octyloxy)[2,1,3] selenadiazole-based polymers for photovoltaic applications. Polymer Bulletin, 2016, 73, 385-398.	3.3	5
106	Photovoltaic performance of long-chain poly(triphenylamine-phenothiazine) dyes with a tunable Ï€-bridge for dye-sensitized solar cells. Journal of Materials Chemistry A, 2015, 3, 14217-14227.	10.3	35
107	Effect of fluorination on the performance of poly(thieno[2,3-f]benzofuran-co-benzothiadiazole) derivatives. RSC Advances, 2015, 5, 30145-30152.	3.6	10
108	Synthesis and characterization of VO2(B)/graphene nanocomposite for supercapacitors. Journal of Materials Science: Materials in Electronics, 2015, 26, 4226-4233.	2.2	36

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109	Modulating molecular aggregation by facile heteroatom substitution of diketopyrrolopyrrole based small molecules for efficient organic solar cells. Journal of Materials Chemistry A, 2015, 3, 24349-24357.	10.3	31
110	New 5-Octyl-thieno[3,4-c]pyrrole-4,6-dione Based Polymers: Synthesis and Photovoltaic Properties. Journal of Macromolecular Science - Pure and Applied Chemistry, 2015, 52, 752-760.	2.2	5
111	Effect of Fluorine Substitution on Photovoltaic Properties of Alkoxyphenyl Substituted Benzo[1,2-b:4,5-bâ€²]dithiophene-Based Small Molecules. ACS Applied Materials & Interfaces, 2015, 7, 25237-25246.	8.0	36
112	A new two-dimensional donor/acceptor copolymer based on 4,8-bis(2â€²-ethylhexylthiophene)thieno[2,3-f]benzofuran for high-performance polymer solar cells. Journal of Materials Chemistry C, 2014, 2, 5651.	5.5	38
113	High performance polymer solar cells based on a two dimensional conjugated polymer from alkylthienyl-substituted benzodifuran and benzothiadiazole. Polymer Chemistry, 2014, 5, 5002-5008.	3.9	27
114	Plasmonic micro-beads for fluorescence enhanced, multiplexed protein detection with flow cytometry. Chemical Science, 2014, 5, 4070-4075.	7.4	38
115	Ultrafast fluorescence imaging in vivo with conjugated polymer fluorophores in the second near-infrared window. Nature Communications, 2014, 5, 4206.	12.8	470
116	5,6â€bis(tetradecyloxy)â€2,1,3â€benzoselenadiazoleâ€based polymers for photovoltaic applications. Journal of Applied Polymer Science, 2013, 128, 3678-3686.	2.6	4
117	Synthesis and characterization of a new solution-processable star-shaped small molecule based on 5,6-bis(n-octyloxy)-2,1,3-benzoselenadiazole for organic solar cells. Journal of Materials Science, 2013, 48, 5833-5839.	3.7	12
118	Synthesis and photovoltaic properties of benzotriazole-based donorâ€“acceptor copolymers. Journal of Materials Science, 2013, 48, 3177-3184.	3.7	11
119	Synthesis and characterization of conjugated polymers with main-chain donors and pendent acceptors for dye-sensitized solar cells. RSC Advances, 2013, 3, 16612.	3.6	11
120	New alkoxylphenyl substituted benzo[1,2-b:4,5-bâ€²] dithiophene-based polymers: synthesis and application in solar cells. Journal of Materials Chemistry A, 2013, 1, 10639.	10.3	53
121	Alkyl substituted naphtho[1, 2-b: 5, 6-bâ€²]difuran as a new building block towards efficient polymer solar cells. RSC Advances, 2013, 3, 5366.	3.6	15
122	New alkylthienyl substituted benzo[1,2-b:4,5-bâ€²]dithiophene-based polymers for high performance solar cells. Journal of Materials Chemistry A, 2013, 1, 570-577.	10.3	54
123	A solution-processable Dâ€“Aâ€“D small molecule based on isoindigo for organic solar cells. Journal of Materials Science, 2013, 48, 1014-1020.	3.7	35
124	Fluorine substituted benzothiazole-based low bandgap polymers for photovoltaic applications. RSC Advances, 2013, 3, 11869.	3.6	20
125	Fluorescence enhancement mechanism in phosphor CaAl 12 O 19 :Mn 4 + modified with alkaliâ€chloride. Micro and Nano Letters, 2013, 8, 254-257.	1.3	7
126	Highly Disordered Crystalline-Phase Transition of Tetrakis(1-adamantanecarboxymethyl)methane. Bulletin of the Chemical Society of Japan, 2012, 85, 481-486.	3.2	0

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127	A new benzo[1,2-b:4,5-bâ€²]difuran-based copolymer for efficient polymer solar cells. Journal of Materials Chemistry, 2012, 22, 17724.	6.7	61
128	Benzo[1,2-<i>b</i>:4,5-<i>b</i>â€²]difuran-Based Donorâ€"Acceptor Copolymers for Polymer Solar Cells. Macromolecules, 2012, 45, 6898-6905.	4.8	101
129	Copolymers from naphtho[2,3-c]thiophene-4,9-dione derivatives and benzodithiophene: synthesis and photovoltaic applications. RSC Advances, 2012, 2, 7439.	3.6	21
130	Organozinc Compounds as Effective Dielectric Modification Layers for Polymer Fieldâ€Effect Transistors. Advanced Functional Materials, 2012, 22, 4139-4148.	14.9	12
131	Effects of thiophene units on substituted benzothiadiazole and benzodithiophene copolymers for photovoltaic applications. Journal of Applied Polymer Science, 2012, 125, 3936-3945.	2.6	7
132	New low bandgap conjugated polymer derived from 2, 7â€carbazole and 5, 6â€bis(octyloxy)â€4, 7â€di(thiophenâ€2â€yl) benzothiadiazole: Synthesis and photovoltaic properties. Journal of Applied Polymer Science, 2012, 123, 99-107.	2.6	19
133	A dithienyl benzotriazole-based poly(2,7-carbazole) for field-effect transistors and efficient light-emitting diodes. RSC Advances, 2011, 1, 424.	3.6	8
134	Organic semiconductor memory devices based on a low-band gap polyfluorene derivative with isoindigo as electron-trapping moieties. Applied Physics Letters, 2011, 98, .	3.3	31
135	5,6-Bis(decyloxy)-2,1,3-benzooxadiazole-Based Polymers with Different Electron Donors for Bulk-Heterojunction Solar Cells. Journal of Physical Chemistry C, 2011, 115, 16211-16219.	3.1	46
136	Indene Addition of [6,6]-Phenyl-C₆₁-butyric Acid Methyl Ester for High-Performance Acceptor in Polymer Solar Cells. Journal of Physical Chemistry C, 2011, 115, 4340-4344.	3.1	52
137	Low bandgap isoindigo-based copolymers: design, synthesis and photovoltaic applications. Polymer Chemistry, 2011, 2, 1156-1162.	3.9	66
138	A Dithienyl Benzotriazoleâ€based Polyfluorene: Synthesis and Applications in Polymer Solar Cells and Red Lightâ€Emitting Diodes. Macromolecular Chemistry and Physics, 2011, 212, 1489-1496.	2.2	26
139	Synthesis and photovoltaic properties of dithienyl benzotriazole based poly(phenylene vinylene)s. Journal of Applied Polymer Science, 2011, 120, 2534-2542.	2.6	10
140	Performance improvement of polymer solar cells by using a solvent-treated poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) buffer layer. Applied Physics Letters, 2011, 98, .	3.3	61
141	Conjugated copolymers of cyanosubstituted poly(<i>p</i>â€phenylene vinylene) with phenylene ethynylene and thienylene vinylene moieties: Synthesis, optical, and electrochemical properties. Journal of Applied Polymer Science, 2010, 115, 1480-1488.	2.6	7
142	A New Dithienylbenzotriazoleâ€Based Poly(2,7â€carbazole) for Efficient Photovoltaics. Macromolecular Chemistry and Physics, 2010, 211, 2026-2033.	2.2	49
143	A Highâ€Mobility Lowâ€Bandgap Copolymer for Efficient Solar Cells. Macromolecular Chemistry and Physics, 2010, 211, 2555-2561.	2.2	48
144	A polythiophene derivative with octyl diphenylamine-vinylene side chains: synthesis and its applications in field-effect transistors and solar cells. Polymer Chemistry, 2010, 1, 678.	3.9	18

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146	Electroluminescent fluoreneâ€based alternating polymers bearing triarylamine or carbazole moieties in the main chain: Synthesis and properties. Journal of Applied Polymer Science, 2009, 111, 978-987.	2.6	6
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