Pei Jian

List of Publications by Year
in descending order

193 papers	13,309 citations	22099 59 h-index	24915 109 g-index
199 all docs	199 docs citations	199 times ranked	10824 citing authors

#	Article	IF	Citations
1	Revealing the effect of oligo(ethylene glycol) side chains on <scp>nâ€doping</scp> process in <scp>FBDPPV</scp>â€based polymers. Journal of Polymer Science, 2022, 60, 538-547.	2.0	16
2	Second Near-Infrared Photothermal Therapy with Superior Penetrability through Skin Tissues. CCS Chemistry, 2022, 4, 3002-3013.	4.6	23
3	Regulation of High Miscibility for Efficient Chargeâ€Transport in nâ€Doped Conjugated Polymers. Angewandte Chemie - International Edition, 2022, 61, .	7.2	22
4	â€œSpine Surgeryâ€•of Perylene Diimides with Covalent Bâ€“N Bonds toward Electron-Deficient BN-Embedded Polycyclic Aromatic Hydrocarbons. Journal of the American Chemical Society, 2022, 144, 3091-3098.	6.6	56
5	Organic polymorph-based alloys for continuous regulation of emission colors. Matter, 2022, 5, 1520-1531.	5.0	26
6	BNâ€Anthracene for Highâ€Mobility Organic Optoelectronic Materials through Periphery Engineering. Angewandte Chemie, 2022, 134, .	1.6	14
7	BNâ€Anthracene for Highâ€Mobility Organic Optoelectronic Materials through Periphery Engineering. Angewandte Chemie - International Edition, 2022, 61, .	7.2	43
8	Controlling Solutionâ€State Aggregation and Solidâ€State Microstructures of Conjugated Polymers by Tuning Backbone Conformation. Macromolecular Rapid Communications, 2022, , 2200069.	2.0	5
9	Thiazole-Flanked Thiazoloisoindigo as a Monomer for Balanced Ambipolar Polymeric Field-effect Transistors. Chinese Journal of Polymer Science (English Edition), 2022, 40, 1131-1140.	2.0	2
10	Use of a Multiple Hydride Donor To Achieve an n-Doped Polymer with High Solvent Resistance. ACS Applied Materials & Interfaces, 2022, 14, 33598-33605.	4.0	3
11	BN Fused Diazulenylâ€Carbazole : Synthesis, Structure, and Properties. Chinese Journal of Chemistry, 2021, 39, 909-912.	2.6	10
12	Persistent Conjugated Backbone and Disordered Lamellar Packing Impart Polymers with Efficient nâ€Doping and High Conductivities. Advanced Materials, 2021, 33, e2005946.	11.1	99
13	Thermally Activated nâ€Doping of Organic Semiconductors Achieved by Nâ€Heterocyclic Carbene Based Dopant. Angewandte Chemie - International Edition, 2021, 60, 5816-5820.	7.2	18
14	Systematically investigating the effect of the aggregation behaviors in solution on the charge transport properties of BDOPV-based polymers with conjugation-break spacers. Polymer Chemistry, 2021, 12, 370-378.	1.9	10
15	A Stable Tripletâ€Groundâ€State Conjugated Diradical Based on a Diindenopyrazine Skeleton. Angewandte Chemie - International Edition, 2021, 60, 4594-4598.	7.2	47
16	A Stable Tripletâ€Groundâ€State Conjugated Diradical Based on a Diindenopyrazine Skeleton. Angewandte Chemie, 2021, 133, 4644-4648.	1.6	8
17	Thermally Activated nâ€Doping of Organic Semiconductors Achieved by Nâ€Heterocyclic Carbene Based Dopant. Angewandte Chemie, 2021, 133, 5880-5884.	1.6	4
18	Pyrene-1,5,6,10-tetracarboxyl diimide: a new building block for high-performance electron-transporting polymers. Journal of Materials Chemistry C, 2021, 9, 7599-7606.	2.7	14

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19	High-performance polymer field-effect transistors: from the perspective of multi-level microstructures. Chemical Science, 2021, 12, 1193-1205.	3.7	54
20	Polymer Crystals: Approaching Crystal Structure and High Electron Mobility in Conjugated Polymer Crystals (Adv. Mater. 10/2021). Advanced Materials, 2021, 33, 2170075.	11.1	1
21	Reactivity of an air-stable dihydrobenzoimidazole n-dopant with organic semiconductor molecules. CheM, 2021, 7, 1050-1065.	5.8	40
22	Finely Tuned Electron/Hole Transport Preference of Thiazoloisoindigo-based Conjugated Polymers by Incorporation of Heavy Chalcogenophenes. Chinese Journal of Polymer Science (English Edition), 2021, 39, 838-848.	2.0	3
23	Multi-level aggregation of conjugated small molecules and polymers: from morphology control to physical insights. Reports on Progress in Physics, 2021, 84, 076601.	8.1	36
24	Achieving Efficient n-Doping of Conjugated Polymers by Molecular Dopants. Accounts of Chemical Research, 2021, 54, 2871-2883.	7.6	63
25	Controllable Transformation between the Kinetically and Thermodynamically Stable Aggregates in a Solution of Conjugated Polymers. Macromolecules, 2021, 54, 5815-5824.	2.2	12
26	Building crystal structures of conjugated polymers through Xâ€ray diffraction and molecular modeling. SmartMat, 2021, 2, 378-387.	6.4	26
27	Correlating Charge Transport Properties of Conjugated Polymers in Solution Aggregates and Thinâ€Film Aggregates. Angewandte Chemie - International Edition, 2021, 60, 20483-20488.	7.2	40
28	Influence of solution-state aggregation on conjugated polymer crystallization in thin films and microwire crystals. Giant, 2021, 7, 100064.	2.5	23
29	Correlating Charge Transport Properties of Conjugated Polymers in Solution Aggregates and Thinâ€Film Aggregates. Angewandte Chemie, 2021, 133, 20646-20651.	1.6	5
30	Inside Back Cover: Volume 2 Issue 3. SmartMat, 2021, 2, iv.	6.4	0
31	Parent B₂N₂â€Perylenes with Different BN Orientations. Angewandte Chemie - International Edition, 2021, 60, 23313-23319.	7.2	53
32	Parent B 2 N 2 â€Perylenes with Different BN Orientations. Angewandte Chemie, 2021, 133, 23501.	1.6	33
33	Approaching Crystal Structure and High Electron Mobility in Conjugated Polymer Crystals. Advanced Materials, 2021, 33, e2006794.	11.1	52
34	Controlling the Film Microstructure in Organic Thermoelectrics. Organic Materials, 2021, 03, 001-016.	1.0	5
35	Organic Semiconducting Materials Based on BDOPV: Structures, Properties, and Applications. Chinese Journal of Chemistry, 2020, 38, 13-24.	2.6	23
36	Synthesis and Semiconducting Characteristics of the BF₂ Complexes of Bisbenzothiophene-Fused Azadipyrromethenes. Organic Letters, 2020, 22, 185-189.	2.4	23

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37	Rapid Construction of Fold-Line-Shaped BN-Embedded Polycyclic Aromatic Compounds through Dielsâ€“Alder Reaction. Journal of Organic Chemistry, 2020, 85, 241-247.	1.7	8
38	The Critical Role of Dopant Cations in Electrical Conductivity and Thermoelectric Performance of n-Doped Polymers. Journal of the American Chemical Society, 2020, 142, 15340-15348.	6.6	98
39	Synthesis, characterization, and tunable semiconducting properties of aza-BODIPY derived polycyclic aromatic dyes. Science China Chemistry, 2020, 63, 1240-1245.	4.2	18
40	Frontispiece: Conformation Control of Conjugated Polymers. Chemistry - A European Journal, 2020, 26, .	1.7	0
41	Precise tracking and modulating aggregation structures of conjugated copolymers in solutions. Polymer Chemistry, 2020, 11, 3716-3722.	1.9	24
42	Conformation-Dependent Spin Relaxation Behaviors of 6-Oxoverdazyl Radical Single Crystals. Crystal Growth and Design, 2020, 20, 2141-2146.	1.4	2
43	Ordered Solidâ€State Microstructures of Conjugated Polymers Arising from Solutionâ€State Aggregation. Angewandte Chemie - International Edition, 2020, 59, 17467-17471.	7.2	70
44	Ordered Solidâ€State Microstructures of Conjugated Polymers Arising from Solutionâ€State Aggregation. Angewandte Chemie, 2020, 132, 17620-17624.	1.6	7
45	A thermally activated and highly miscible dopant for n-type organic thermoelectrics. Nature Communications, 2020, 11, 3292.	5.8	105
46	Conformation Control of Conjugated Polymers. Chemistry - A European Journal, 2020, 26, 16194-16205.	1.7	49
47	Achieving High Alignment of Conjugated Polymers by Controlled Dipâ€Coating. Advanced Electronic Materials, 2020, 6, 2000080.	2.6	30
48	Embedding pyridine units in acceptors to construct donor-acceptor conjugated polymers. Chinese Chemical Letters, 2019, 30, 25-30.	4.8	15
49	Rigid Coplanar Polymers for Stable nâ€Type Polymer Thermoelectrics. Angewandte Chemie, 2019, 131, 11512-11516.	1.6	22
50	Recent Efforts in Understanding and Improving the Nonideal Behaviors of Organic Fieldâ€Effect Transistors. Advanced Science, 2019, 6, 1900375.	5.6	45
51	BNâ€Embedded Tetrabenzopentacene: A Pentacene Derivative with Improved Stability. Angewandte Chemie - International Edition, 2019, 58, 10708-10712.	7.2	82
52	Rigid Coplanar Polymers for Stable nâ€Type Polymer Thermoelectrics. Angewandte Chemie - International Edition, 2019, 58, 11390-11394.	7.2	145
53	BNâ€Embedded Tetrabenzopentacene: A Pentacene Derivative with Improved Stability. Angewandte Chemie, 2019, 131, 10818-10822.	1.6	28
54	Strategies To Enhance the Conductivity of n-Type Polymer Thermoelectric Materials. Chemistry of Materials, 2019, 31, 6412-6423.	3.2	170

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55	Understanding the Effects of Molecular Dopant on nâ€Type Organic Thermoelectric Properties. Advanced Energy Materials, 2019, 9, 1900817.	10.2	118
56	Organic Semiconducting Alloys with Tunable Energy Levels. Journal of the American Chemical Society, 2019, 141, 6561-6568.	6.6	65
57	Achieving high-performance non-halogenated nonfullerene acceptor-based organic solar cells with 13.7% efficiencyviaa synergistic strategy of an indacenodithieno[3,2-b]selenophene core unit and non-halogenated thiophene-based terminal group. Journal of Materials Chemistry A, 2019, 7, 24389-24399.	5.2	47
58	Unveiling how intramolecular stacking modes of covalently linked dimers dictate photoswitching properties. Nature Communications, 2019, 10, 5480.	5.8	6
59	Dinaphthobenzo[1,2:4,5]dicyclobutadiene: Antiaromatic and Orthogonally Tunable Electronics and Packing. Angewandte Chemie, 2019, 131, 2056-2061.	1.6	8
60	Dinaphthobenzo[1,2:4,5]dicyclobutadiene: Antiaromatic and Orthogonally Tunable Electronics and Packing. Angewandte Chemie - International Edition, 2019, 58, 2034-2039.	7.2	40
61	Improved Transistor Performance by Modulating Molecular Packing with Donor and Acceptor Moieties. Chemistry - an Asian Journal, 2019, 14, 1686-1691.	1.7	6
62	Waferâ€Scale Fabrication of Highâ€Performance nâ€Type Polymer Monolayer Transistors Using a Multiâ€Level Selfâ€Assembly Strategy. Advanced Materials, 2019, 31, e1806747.	11.1	68
63	Thiazoloisoindigo: A Building Block that Merges the Merits of Thienoisoindigo and Diazaisoindigo for Conjugated Polymers. Chemistry - A European Journal, 2018, 24, 9807-9811.	1.7	23
64	Chargeâ€Trappingâ€Induced Nonâ€Ideal Behaviors in Organic Fieldâ€Effect Transistors. Advanced Materials, 2018, 30, e1800017.	11.1	65
65	Organic Chemistry for the Future. Asian Journal of Organic Chemistry, 2018, 7, 489-489.	1.3	3
66	Second Near-Infrared Conjugated Polymer Nanoparticles for Photoacoustic Imaging and Photothermal Therapy. ACS Applied Materials & Interfaces, 2018, 10, 7919-7926.	4.0	188
67	Control of Ï€â€“Ï€ Stacking via Crystal Engineering in Organic Conjugated Small Molecule Crystals. Crystal Growth and Design, 2018, 18, 7-15.	1.4	247
68	Organic Materials: The Future. Asian Journal of Organic Chemistry, 2018, 7, 2129-2129.	1.3	0
69	Enhancing the nâ€Type Conductivity and Thermoelectric Performance of Donorâ€“Acceptor Copolymers through Donor Engineering. Advanced Materials, 2018, 30, e1802850.	11.1	169
70	New insights into the design of conjugated polymers for intramolecular singlet fission. Nature Communications, 2018, 9, 2999.	5.8	97
71	Chemical Modification toward Long Spin Lifetimes in Organic Conjugated Radicals. ChemPhysChem, 2018, 19, 2972-2977.	1.0	15
72	Cocrystallization of Imideâ€Fused Corannulene Derivatives and C₆₀: Guestâ€Induced Conformational Switching and 1:1 Segregated Packing. Chemistry - an Asian Journal, 2018, 13, 2934-2938.	1.7	6

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73	Thiazoloisoindigo: A Building Block that Merges the Merits of Thienoisoindigo and Diazaisoindigo for Conjugated Polymers. Chemistry - A European Journal, 2018, 24, 9702-9702.	1.7	0
74	5,5â€²â€Diazaisoindigo: an Electronâ€Deficient Building Block for Donorâ€“Acceptor Conjugated Polymers. Chemistry - an Asian Journal, 2017, 12, 302-307.	1.7	27
75	Donor End-Capped Hexafluorinated Oligomers for Organic Solar Cells with 9.3% Efficiency by Engineering the Position of Ïâ€Bridge and Sequence of Two-Step Annealing. Chemistry of Materials, 2017, 29, 1036-1046.	3.2	39
76	Airâ€•and Active Hydrogenâ€Induced Electron Trapping and Operational Instability in nâ€Type Polymer Fieldâ€Effect Transistors. Advanced Functional Materials, 2017, 27, 1605058.	7.8	13
77	Acenaphtho[1, 2â€k]fluorantheneâ€Fused Diimide Derivatives: An Investigation of the Relationship Between Molecular Structure and Device Performance. Asian Journal of Organic Chemistry, 2017, 6, 1231-1234.	1.3	10
78	Highly Efficient NIR-II Photothermal Conversion Based on an Organic Conjugated Polymer. Chemistry of Materials, 2017, 29, 718-725.	3.2	217
79	Synthesis, Properties, and Semiconducting Characteristics of BF₂ Complexes of Î²,Î²-Bisphenanthrene-Fused Azadipyrromethenes. Organic Letters, 2017, 19, 2893-2896.	2.4	57
80	Oddâ€“Even Effect of Thiophene Chain Lengths on Excited State Properties in Oligo(thienyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 T	1.5	15
81	Efficient Modular Synthesis of Substituted Borazaronaphthalene. Organometallics, 2017, 36, 2479-2482.	1.1	37
82	Unraveling the Solutionâ€State Supramolecular Structures of Donorâ€“Acceptor Polymers and their Influence on Solidâ€State Morphology and Chargeâ€Transport Properties. Advanced Materials, 2017, 29, 1701072.	11.1	125
83	An Imideâ€Based Pentacyclic Building Block for nâ€Type Organic Semiconductors. Chemistry - A European Journal, 2017, 23, 14723-14727.	1.7	12
84	A Novel Solutionâ€Processable nâ€Dopant Based on 1,4â€Dihydropyridine Motif for High Electrical Conductivity of Organic Semiconductors. Advanced Electronic Materials, 2017, 3, 1700164.	2.6	30
85	Strong Electronâ€Deficient Polymers Lead to High Electron Mobility in Air and Their Morphologyâ€Dependent Transport Behaviors. Advanced Materials, 2016, 28, 7213-7219.	11.1	168
86	BN-embedded aromatics for optoelectronic applications. Chinese Chemical Letters, 2016, 27, 1139-1146.	4.8	104
87	Enhanced Molecular Packing of a Conjugated Polymer with High Organic Thermoelectric Power Factor. ACS Applied Materials & Interfaces, 2016, 8, 24737-24743.	4.0	83
88	Curved BN-embedded nanographene for application in organic solar cells. Journal of Materials Chemistry A, 2016, 4, 15420-15425.	5.2	20
89	An Alkane-Soluble Dendrimer as Electron-Transport Layer in Polymer Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2016, 8, 20237-20242.	4.0	16
90	Embedding electron-deficient nitrogen atoms in polymer backbone towards high performance n-type polymer field-effect transistors. Chemical Science, 2016, 7, 5753-5757.	3.7	82

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91	Lactone-fused electron-deficient building blocks for n-type polymer field-effect transistors: synthesis, properties, and impact of alkyl substitution positions. Polymer Chemistry, 2016, 7, 2264-2271.	1.9	6
92	A side-chain engineering approach to solvent-resistant semiconducting polymer thin films. Polymer Chemistry, 2016, 7, 648-655.	1.9	36
93	Epindolidione-Based Conjugated Polymers: Synthesis, Electronic Structures, and Charge Transport Properties. ACS Applied Materials & Interfaces, 2016, 8, 3714-3718.	4.0	12
94	Syntheses of polycyclic aromatic diimides via intramolecular cyclization of maleic acid derivatives. New Journal of Chemistry, 2016, 40, 113-121.	1.4	20
95	Thiophene-fused isoindigo based conjugated polymers for ambipolar organic field-effect transistors. Polymer Chemistry, 2016, 7, 235-243.	1.9	35
96	A NIR dye with high-performance n-type semiconducting properties. Chemical Science, 2016, 7, 499-504.	3.7	48
97	Research Progress in Isoindigo-Based Polymer Field-Effect Transistor Materials. Chinese Journal of Organic Chemistry, 2016, 36, 2272.	0.6	3
98	Field-Effect Transistors: A Cofacially Stacked Electron-Deficient Small Molecule with a High Electron Mobility of over 10 cm2Vâˆ’1sâˆ’1in Air (Adv. Mater. 48/2015). Advanced Materials, 2015, 27, 8120-8120.	11.1	2
99	A Cofacially Stacked ElectronâEDeficient Small Molecule with a High Electron Mobility of over 10 cm² V^{âˆ’1} s^{âˆ’1} in Air. Advanced Materials, 2015, 27, 8051-8055.	11.1	97
100	Toward High Performance n-Type Thermoelectric Materials by Rational Modification of BDPPV Backbones. Journal of the American Chemical Society, 2015, 137, 6979-6982.	6.6	345
101	Free-standing, flexible, multifunctional, and environmentally stable superhydrophobic composite film made of self-assembled organic micro/super-nanostructures through solution process. Journal of Colloid and Interface Science, 2015, 445, 213-218.	5.0	14
102	Synthesis, crystal structure, and application of an acenaphtho[1,2-k] fluoranthene diimide derivative. Science China Chemistry, 2015, 58, 364-369.	4.2	20
103	Extended isoindigo core: synthesis and applications as solution-processable n-OFET materials in ambient conditions. RSC Advances, 2015, 5, 8340-8344.	1.7	25
104	Synthesis, structure and properties of C₃-symmetric heterosuperbenzene with three BN units. Chemical Communications, 2015, 51, 4368-4371.	2.2	82
105	Toward electron-deficient pyrene derivatives: construction of pyrene tetracarboxylic diimide containing five-membered imide rings. Chemical Communications, 2015, 51, 12585-12588.	2.2	27
106	One-dimensional (1D) micro/nanostructures of organic semiconductors for field-effect transistors. Science China Chemistry, 2015, 58, 937-946.	4.2	22
107	Seebeck Effects in N-Type and P-Type Polymers Driven Simultaneously by Surface Polarization and Entropy Differences Based on Conductor/Polymer/Conductor Thin-Film Devices. ACS Nano, 2015, 9, 5208-5213.	7.3	21
108	N-Fused BDOPV: a tetralactam derivative as a building block for polymer field-effect transistors. Chemical Communications, 2015, 51, 10514-10516.	2.2	32

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109	Cyano- and chloro-substituted coronene diimides as solution-processable electron-transporting semiconductors. Chemical Communications, 2015, 51, 7144-7147.	2.2	21
110	Postfunctionalization of BNâ€Embedded Polycyclic Aromatic Compounds for Fineâ€Tuning of Their Molecular Properties. Chemistry - A European Journal, 2015, 21, 8867-8873.	1.7	41
111	Incorporation of polycyclic azaborine compounds into polythiophene-type conjugated polymers for organic field-effect transistors. Chemical Communications, 2015, 51, 17532-17535.	2.2	91
112	Effect of Halogenation in Isoindigo-Based Polymers on the Phase Separation and Molecular Orientation of Bulk Heterojunction Solar Cells. Macromolecules, 2015, 48, 5570-5577.	2.2	88
113	Ï€â€Conjugated Aromatics Based on Truxene: Synthesis, Selfâ€Assembly, and Applications. Chemical Record, 2015, 15, 52-72.	2.9	49
114	BN Heterosuperbenzenes: Synthesis and Properties. Chemistry - A European Journal, 2015, 21, 3528-3539.	1.7	379
115	Fine-Tuning of Crystal Packing and Charge Transport Properties of BDOPV Derivatives through Fluorine Substitution. Journal of the American Chemical Society, 2015, 137, 15947-15956.	6.6	224
116	Conjugated Polymers: Systematic Investigation of Sideâ€Chain Branching Position Effect on Electron Carrier Mobility in Conjugated Polymers (Adv. Funct. Mater. 40/2014). Advanced Functional Materials, 2014, 24, 6404-6404.	7.8	0
117	Roles of Flexible Chains in Organic Semiconducting Materials. Chemistry of Materials, 2014, 26, 594-603.	3.2	436
118	â€œConformation Lockedâ€•Strong Electron-Deficient Poly(p-Phenylene Vinylene) Derivatives for Ambient-Stable n-Type Field-Effect Transistors: Synthesis, Properties, and Effects of Fluorine Substitution Position. Journal of the American Chemical Society, 2014, 136, 2135-2141.	6.6	300
119	Design, Synthesis, and Structureâ€“Property Relationships of Isoindigo-Based Conjugated Polymers. Accounts of Chemical Research, 2014, 47, 1117-1126.	7.6	370
120	Tuning the Chargeâ€Transport Property of Pyromellitic Diimideâ€Based Conjugated Polymers towards Efficient Fieldâ€Effect Transistors. Asian Journal of Organic Chemistry, 2014, 3, 209-215.	1.3	10
121	A donorâ€“acceptorâ€“donor conjugated molecule: twist intramolecular charge transfer and piezochromic luminescent properties. Chemical Communications, 2014, 50, 6088.	2.2	105
122	A Straightforward Strategy toward Large BN-Embedded Ï€-Systems: Synthesis, Structure, and Optoelectronic Properties of Extended BN Heterosuperbenzenes. Journal of the American Chemical Society, 2014, 136, 3764-3767.	6.6	273
123	A bowl-shaped molecule for organic field-effect transistors: crystal engineering and charge transport switching by oxygen doping. Chemical Science, 2014, 5, 1041-1045.	3.7	101
124	Rational molecular engineering towards efficient non-fullerene small molecule acceptors for inverted bulk heterojunction organic solar cells. Chemical Communications, 2014, 50, 1591.	2.2	53
125	Highly stable organic polymer field-effect transistor sensor for selective detection in the marine environment. Nature Communications, 2014, 5, 2954.	5.8	362
126	Corannulene derivatives as non-fullerene acceptors in solution-processed bulk heterojunction solar cells. Journal of Materials Chemistry A, 2014, 2, 20515-20519.	5.2	69

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127	Influence of alkyl chain length on the solid-state properties and transistor performance of BN-substituted tetrathienonaphthalenes. Journal of Materials Chemistry C, 2014, 2, 8152-8161.	2.7	89
128	Pentacyclic aromatic bislactam-based conjugated polymers: constructed by Beckmann rearrangement and application in organic field-effect transistor. Polymer Chemistry, 2014, 5, 5369-5374.	1.9	15
129	Systematic Investigation of Sideâ€Chain Branching Position Effect on Electron Carrier Mobility in Conjugated Polymers. Advanced Functional Materials, 2014, 24, 6270-6278.	7.8	116
130	Intramolecular Câ€“F and Câ€“H bond cleavage promoted by butadienyl heavy Grignard reagents. Nature Communications, 2014, 5, 4508.	5.8	50
131	A corannulene-based donorâ€“acceptor polymer for organic field-effect transistors. RSC Advances, 2014, 4, 56749-56755.	1.7	34
132	New polymer acceptors for organic solar cells: the effect of regio-regularity and device configuration. Journal of Materials Chemistry A, 2013, 1, 6609.	5.2	82
133	Towards rational design of organic electron acceptors for photovoltaics: a study based on perylenediimide derivatives. Chemical Science, 2013, 4, 4389.	3.7	242
134	All-polymer solar cells based on PTACs/P3HT blends with large open-circuit voltage. Dyes and Pigments, 2013, 99, 1065-1071.	2.0	10
135	Integration of antireflection and light diffraction in nature: a strategy for light trapping. Journal of Materials Chemistry A, 2013, 1, 10607.	5.2	24
136	Mainâ€Chain Linear Polyrotaxanes: Synthesis, Characterization, and Conformational Modulation. Chemistry - A European Journal, 2013, 19, 1502-1510.	1.7	10
137	Indeno[2,1-c]fluorene-based blue fluorescent oligomers and polymers: Synthesis, structure, photophysical and electroluminescence properties. Polymer, 2013, 54, 2935-2944.	1.8	14
138	Achieving high sensitivity in single organic submicrometer ribbon based photodetector through surface engineering. Organic Electronics, 2013, 14, 1103-1108.	1.4	26
139	Azaborine Compounds for Organic Fieldâ€Effect Transistors: Efficient Synthesis, Remarkable Stability, and BN Dipole Interactions. Angewandte Chemie - International Edition, 2013, 52, 3117-3120.	7.2	245
140	Dithiazolyl-benzothiadiazole-containing polymer acceptors: synthesis, characterization, and all-polymer solar cells. Polymer Chemistry, 2013, 4, 5228.	1.9	41
141	Novel isoindigo-based conjugated polymers for solar cells and field effect transistors. Polymer Chemistry, 2013, 4, 3563.	1.9	30
142	Electron-Deficient Poly(p-phenylene vinylene) Provides Electron Mobility over 1 cm² V^{â€“1} s^{â€“1} under Ambient Conditions. Journal of the American Chemical Society, 2013, 135, 12168-12171.	6.6	280
143	Chlorination as a useful method to modulate conjugated polymers: balanced and ambient-stable ambipolar high-performance field-effect transistors and inverters based on chlorinated isoindigo polymers. Chemical Science, 2013, 4, 2447.	3.7	109
144	Non-fullerene acceptors containing fluoranthene-fused imides for solution-processed inverted organic solar cells. Chemical Communications, 2013, 49, 5802.	2.2	105

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145	A BDOPVâ€Based Donorâ€“Acceptor Polymer for Highâ€Performance nâ€Type and Oxygenâ€Doped Ambipolar Fieldâ€Effect Transistors. Advanced Materials, 2013, 25, 6589-6593.	11.1	172
146	Supramolecular polymeric nanowires: preparation and orthogonal modification of their photophysical properties. Journal of Materials Chemistry, 2012, 22, 4306-4311.	6.7	6
147	Solution-processed organic nano- and micro-materials: design strategy, growth mechanism and applications. Journal of Materials Chemistry, 2012, 22, 785-798.	6.7	59
148	Photo-induced amplification of readout contrast in nanoscale data storage. Journal of Materials Chemistry, 2012, 22, 4299.	6.7	26
149	Main-chain hyperbranched polyrotaxane: Synthesis, photophysical properties, and energy funnel. Polymer, 2012, 53, 3704-3711.	1.8	10
150	Influence of Alkyl Chain Branching Positions on the Hole Mobilities of Polymer Thinâ€Film Transistors. Advanced Materials, 2012, 24, 6457-6461.	11.1	542
151	Systematic Investigation of Isoindigo-Based Polymeric Field-Effect Transistors: Design Strategy and Impact of Polymer Symmetry and Backbone Curvature. Chemistry of Materials, 2012, 24, 1762-1770.	3.2	283
152	Ambipolar Polymer Field-Effect Transistors Based on Fluorinated Isoindigo: High Performance and Improved Ambient Stability. Journal of the American Chemical Society, 2012, 134, 20025-20028.	6.6	316
153	Energy Transfer and Concentrationâ€Dependent Conformational Modulation: A Porphyrinâ€Containing [3]Rotaxane. Chemistry - an Asian Journal, 2012, 7, 2429-2437.	1.7	7
154	Ï€-Conjugated molecular heterojunctions with multi[60]fullerene: photophysical, electrochemical, and photovoltaic properties. New Journal of Chemistry, 2012, 36, 1583.	1.4	4
155	How does a supramolecular polymeric nanowire form in solution?. Chemical Science, 2012, 3, 1162.	3.7	10
156	A Nonâ€Fullerene Small Molecule as Efficient Electron Acceptor in Organic Bulk Heterojunction Solar Cells. Advanced Materials, 2012, 24, 957-961.	11.1	161
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