Zhaohui Wang

List of Publications by Year
in descending order

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247 papers	16,622 citations	15495 65 h-index	18115 120 g-index
261 all docs	261 docs citations	261 times ranked	12757 citing authors

#	Article	IF	Citations
1	Heavyâ€Atomâ€Free Roomâ€Temperature Phosphorescent Rylene Imide for Highâ€Performing Organic Photovoltaics. Advanced Science, 2022, 9, e2103975.	5.6	12
2	Ryleneâ€Fullerene Hybrid an Emerging Electron Acceptor for Highâ€Performing and Photothermalâ€Stable Ternary Solar Cells. Small, 2022, 18, e2104060.	5.2	10
3	syn/antiâ€Oligothienoacene Diimides with up to 10 Fused Rings. Angewandte Chemie - International Edition, 2022, 61, .	7.2	11
4	Boosting Circularly Polarized Luminescence Performance by a Double Ï€-Helix and Heteroannulation. Journal of the American Chemical Society, 2022, 144, 11397-11404.	6.6	50
5	Organic donor-acceptor heterojunctions for high performance circularly polarized light detection. Nature Communications, 2022, 13, .	5.8	33
6	Cocrystallization Tailoring Multiple Radiative Decay Pathways for Amplified Spontaneous Emission. Angewandte Chemie, 2021, 133, 285-293.	1.6	7
7	Cocrystallization Tailoring Multiple Radiative Decay Pathways for Amplified Spontaneous Emission. Angewandte Chemie - International Edition, 2021, 60, 281-289.	7.2	33
8	Giant Rylene Imide-Based Electron Acceptors for Organic Photovoltaics. Accounts of Chemical Research, 2021, 54, 961-975.	7.6	119
9	Synergistic effect of the selenophene-containing central core and the regioisomeric monochlorinated terminals on the molecular packing, crystallinity, film morphology, and photovoltaic performance of selenophene-based nonfullerene acceptors. Journal of Materials Chemistry C, 2021, 9, 1923-1935.	2.7	21
10	Monocyclic and Dicyclic Dehydro[20]annulenes Integrated with Perylene Diimide. Angewandte Chemie - International Edition, 2021, 60, 19018-19023.	7.2	11
11	Monocyclic and Dicyclic Dehydro[20]annulenes Integrated with Perylene Diimide. Angewandte Chemie, 2021, 133, 19166-19171.	1.6	3
12	Symmetry-Induced Orderly Assembly Achieving High-Performance Perylene Diimide-Based Nonfullerene Organic Solar Cells. CCS Chemistry, 2021, 3, 78-84.	4.6	64
13	Dicyanopentafulvene-fused perylene diimide and its stable radical anion. Dyes and Pigments, 2021, 193, 109489.	2.0	4
14	Simultaneously Enhanced Reverse Intersystem Crossing and Radiative Decay in Thermally Activated Delayed Fluorophors with Multiple Throughâ€space Charge Transfers. Angewandte Chemie, 2021, 133, 23964-23969.	1.6	18
15	Simultaneously Enhanced Reverse Intersystem Crossing and Radiative Decay in Thermally Activated Delayed Fluorophors with Multiple Throughâ€space Charge Transfers. Angewandte Chemie - International Edition, 2021, 60, 23771-23776.	7.2	100
16	B,N-Embedded Double Hetero[7]helicenes. Chinese Journal of Organic Chemistry, 2021, 41, 4844.	0.6	4
17	Fulvaleneâ€Embedded Perylene Diimide and Its Stable Radical Anion. Angewandte Chemie - International Edition, 2020, 59, 752-757.	7.2	48
18	Fulvaleneâ€Embedded Perylene Diimide and Its Stable Radical Anion. Angewandte Chemie, 2020, 132, 762-767.	1.6	30

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19	Designing a near-infrared circularly polarized luminescent dye by dissymmetric spiro-fusion. Chemical Communications, 2020, 56, 912-915.	2.2	25
20	Morphological Evolution of Tetrachlorinated Perylene Bisimides with Lengthy Alkyl Substituent Polycrystalline Thin Films during Reversible Phase Transitions. ACS Omega, 2020, 5, 843-850.	1.6	0
21	Dodecatwistarene Imides with Zigzagâ€Twisted Conformation for Organic Electronics. Angewandte Chemie - International Edition, 2020, 59, 2008-2012.	7.2	44
22	A C2-symmetric triple [5]helicene based on N-annulated triperylene hexaimide for chiroptical electronics. Science China Chemistry, 2020, 63, 208-214.	4.2	40
23	Dodecatwistarene Imides with Zigzagâ€Twisted Conformation for Organic Electronics. Angewandte Chemie, 2020, 132, 2024-2028.	1.6	16
24	Differently Linked Perylene Bisimide Dimers with Various Twisting and Phase Structures for Nonfullerene All-Small-Molecule Organic Solar Cells. ACS Omega, 2020, 5, 18449-18457.	1.6	5
25	Noncovalent Ï€-stacked robust topological organic framework. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20397-20403.	3.3	28
26	Chemoselective Onâ€surface Homocoupling of Terminal Alkynes Catalyzed by Exogenous Cupric Ions. Chemistry - an Asian Journal, 2020, 15, 2627-2630.	1.7	3
27	Ferrocene as a highly volatile solid additive in non-fullerene organic solar cells with enhanced photovoltaic performance. Energy and Environmental Science, 2020, 13, 5117-5125.	15.6	93
28	Electrochemical Degradation of Lignin by ROS. Sustainable Chemistry, 2020, 1, 345-360.	2.2	9
29	Red-emissive poly(phenylene vinylene)-derivated semiconductors with well-balanced ambipolar electrical transporting properties. Journal of Materials Chemistry C, 2020, 8, 10868-10879.	2.7	18
30	Fuller-Rylenes: Paving the Way for Promising Acceptors. ACS Applied Materials & Interfaces, 2020, 12, 29513-29519.	4.0	4
31	Perylene Diimide-Embedded Double [8]Helicenes. Journal of the American Chemical Society, 2020, 142, 7092-7099.	6.6	136
32	Terrylene diimide-based middle-low bandgap electron acceptors for organic photovoltaics. Journal of Materials Chemistry C, 2020, 8, 4441-4446.	2.7	11
33	Fuller-Rylenes: Cross-Dimensional Molecular Carbons. CCS Chemistry, 2020, 2, 271-279.	4.6	36
34	Polymer Donors for Highâ€Performance Nonâ€Fullerene Organic Solar Cells. Angewandte Chemie - International Edition, 2019, 58, 4442-4453.	7.2	361
35	Molecular Tuning of Titanium Complexes with Controllable Work Function for Efficient Organic Photovoltaics. Journal of Physical Chemistry C, 2019, 123, 20800-20807.	1.5	4
36	Bridge-Mediated Charge Separation in Isomeric N-Annulated Perylene Diimide Dimers. Journal of the American Chemical Society, 2019, 141, 12789-12796.	6.6	76

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37	Rylene Annulated Subphthalocyanine: A Promising Cone-Shaped Non-Fullerene Acceptor for Organic Solar Cells. , 2019, 1, 404-409.		38
38	Effect of conjugation length on the properties of fused perylene diimides with variable isoindigos. Journal of Materials Chemistry C, 2019, 7, 12263-12269.	2.7	12
39	Tuning Charge Generation Process of Rylene Imide-Based Solar Cells via Chalcogen-Atom-Annulation. Chemistry of Materials, 2019, 31, 3636-3643.	3.2	22
40	Integrating pyracylene and naphthalenediimides into planar structures: Synthesis and characterization. Dyes and Pigments, 2019, 168, 295-299.	2.0	14
41	Steering Two-Dimensional Porous Networks with Ïƒ-Hole Interactions of BrÂ·Â·Â·S and BrÂ·Â·Â·Br. Chemistry of Materials, 2019, 31, 3041-3048.	3.2	25
42	Corannurylene Pentapetalae. Journal of the American Chemical Society, 2019, 141, 5402-5408.	6.6	109
43	Alternating Tetrafluorobenzene and Thiophene Units by Direct Arylation for Organic Electronics. Chemistry - an Asian Journal, 2019, 14, 1443-1447.	1.7	8
44	Polymer Donors for Highâ€Performance Nonâ€Fullerene Organic Solar Cells. Angewandte Chemie, 2019, 131, 4488-4499.	1.6	36
45	Nanographene Imides Featuring Dualâ€Core Sixfold [5]Helicenes. Angewandte Chemie, 2019, 131, 184-189.	1.6	32
46	Nanographene Imides Featuring Dualâ€Core Sixfold [5]Helicenes. Angewandte Chemie - International Edition, 2019, 58, 178-183.	7.2	86
47	Efficient Ternary Organic Solar Cells Enabled by the Integration of Nonfullerene and Fullerene Acceptors with a Broad Composition Tolerance. Advanced Functional Materials, 2019, 29, 1807006.	7.8	81
48	Rylene annulated phthalocyanine: a fully conjugated block for the construction of a supramolecular two-dimensional framework. Chemical Communications, 2018, 54, 7294-7297.	2.2	8
49	Isomeric Nâ€Annulated Perylene Diimide Dimers for Organic Solar Cells. Chemistry - an Asian Journal, 2018, 13, 918-923.	1.7	27
50	Non-fullerene acceptors for organic solar cells. Nature Reviews Materials, 2018, 3, .	23.3	2,163
51	Alkyl Chain Regiochemistry of Benzotriazoleâ€Based Donor Polymers Influencing Morphology and Performances of Nonâ€Fullerene Organic Solar Cells. Advanced Energy Materials, 2018, 8, 1702427.	10.2	36
52	Advances in Nonâ€Fullerene Acceptor Based Ternary Organic Solar Cells. Solar Rrl, 2018, 2, 1700158.	3.1	98
53	Synthesis and Application of Rylene Imide Dyes as Organic Semiconducting Materials. Chemistry - an Asian Journal, 2018, 13, 20-30.	1.7	73
54	High Efficiency Non-fullerene Organic Tandem Photovoltaics Based on Ternary Blend Subcells. Nano Letters, 2018, 18, 7977-7984.	4.5	27

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55	Role of Synergistic Câ€“HÂ·Â·Â·N and Câ€“HÂ·Â·Â·O H-Bonding Interactions in Self-Assemblies of a Phthalocyanine Derivative and Several Pyridine Derivatives. Journal of Physical Chemistry C, 2018, 122, 24158-24163.	1.5	10
56	Synthesis of Isomeric Perylenodithiophene Diimides. Organic Letters, 2018, 20, 6606-6609.	2.4	12
57	Suppression of Recombination Energy Losses by Decreasing the Energetic Offsets in Perylene Diimide-Based Nonfullerene Organic Solar Cells. ACS Energy Letters, 2018, 3, 2729-2735.	8.8	50
58	Synthesis and properties of isoindigo and benzo[1,2-b:4,5-bâ€²]bis[b]benzothiophene oligomers. Chemical Communications, 2018, 54, 11152-11155.	2.2	9
59	Near-infrared electron acceptors based on terrylene diimides for organic solar cells. Journal of Materials Chemistry A, 2018, 6, 18808-18812.	5.2	20
60	Electronâ€Transporting Bis(heterotetracenes) with Tunable Helical Packing. Angewandte Chemie, 2018, 130, 11099-11103.	1.6	24
61	The Crucial Role of Chlorinated Thiophene Orientation in Conjugated Polymers for Photovoltaic Devices. Angewandte Chemie, 2018, 130, 13093-13097.	1.6	8
62	Efficient Organic Solar Cells with Extremely High Openâ€Circuit Voltages and Low Voltage Losses by Suppressing Nonradiative Recombination Losses. Advanced Energy Materials, 2018, 8, 1801699.	10.2	117
63	The Crucial Role of Chlorinated Thiophene Orientation in Conjugated Polymers for Photovoltaic Devices. Angewandte Chemie - International Edition, 2018, 57, 12911-12915.	7.2	87
64	Hexacene Diimides. Journal of the American Chemical Society, 2018, 140, 12175-12180.	6.6	46
65	Electronâ€Transporting Bis(heterotetracenes) with Tunable Helical Packing. Angewandte Chemie - International Edition, 2018, 57, 10933-10937.	7.2	69
66	An Electron Acceptor with Porphyrin and Perylene Bisimides for Efficient Nonâ€Fullerene Solar Cells. Angewandte Chemie - International Edition, 2017, 56, 2694-2698.	7.2	232
67	An Electron Acceptor with Porphyrin and Perylene Bisimides for Efficient Nonâ€Fullerene Solar Cells. Angewandte Chemie, 2017, 129, 2738-2742.	1.6	28
68	Controlled formation of large-area single-crystalline TIPS-pentacene arrays through superhydrophobic micropillar flow-coating. Journal of Materials Chemistry C, 2017, 5, 2702-2707.	2.7	25
69	RÃ¼cktitelbild: An Electron Acceptor with Porphyrin and Perylene Bisimides for Efficient Nonâ€Fullerene Solar Cells (Angew. Chem. 10/2017). Angewandte Chemie, 2017, 129, 2850-2850.	1.6	0
70	Synthesis, crystal structure, enhanced photoluminescence properties and fluoride detection ability of S-heterocyclic annulated perylene diimide-polyhedral oligosilsesquioxane dye. Journal of Materials Chemistry C, 2017, 5, 2566-2576.	2.7	36
71	New developments in non-fullerene small molecule acceptors for polymer solar cells. Materials Chemistry Frontiers, 2017, 1, 1291-1303.	3.2	194
72	Cosensitized Porphyrin System for High-Performance Solar Cells with TOF-SIMS Analysis. ACS Applied Materials & Interfaces, 2017, 9, 16081-16090.	4.0	11

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73	Rigid Nonfullerene Acceptors Based on Triptyceneâ€"Perylene Dye for Organic Solar Cells. Chemistry - an Asian Journal, 2017, 12, 1286-1290.	1.7	22
74	Lateral Extension of a Benzodithiophene System: Construction of Heteroacenes Containing Various Chalcogens. Chemistry - an Asian Journal, 2017, 12, 1879-1882.	1.7	15
75	Triperylene Hexaimides Based Allâ€Smallâ€Molecule Solar Cells with an Efficiency over 6% and Open Circuit Voltage of 1.04 V. Advanced Energy Materials, 2017, 7, 1601664.	10.2	57
76	Fluoroalkyl-modified naphthodithiophene diimides. Chemical Communications, 2017, 53, 188-191.	2.2	27
77	Twisted terrylene dyes: synthesis and application in organic solar cells. Organic Chemistry Frontiers, 2017, 4, 811-816.	2.3	21
78	Highâ€Performance Porphyrinâ€Based Dyeâ€Sensitized Solar Cells with Iodine and Cobalt Redox Shuttles. ChemSusChem, 2017, 10, 938-945.	3.6	15
79	Nonfullerene-Acceptor All-Small-Molecule Organic Solar Cells Based on Highly Twisted Perylene Bisimide with an Efficiency of over 6%. ACS Applied Materials & Interfaces, 2017, 9, 2739-2746.	4.0	39
80	Influence of alkyl chains on photovoltaic properties of 3D rylene propeller electron acceptors. Journal of Materials Chemistry A, 2017, 5, 3475-3482.	5.2	51
81	A Decatwistacene with an Overall 170Â° Torsion. Angewandte Chemie - International Edition, 2017, 56, 15373-15377.	7.2	68
82	Spiro-Fused Perylene Diimide Arrays. Journal of the American Chemical Society, 2017, 139, 15914-15920.	6.6	116
83	Palladium-Catalyzed Siâ€"C Bond Formation toward Sila-Annulated Perylene Diimides. Organic Letters, 2017, 19, 4331-4334.	2.4	23
84	Capillaryâ€Bridge Mediated Assembly of Conjugated Polymer Arrays toward Organic Photodetectors. Advanced Functional Materials, 2017, 27, 1701347.	7.8	53
85	A Decatwistacene with an Overall 170Â° Torsion. Angewandte Chemie, 2017, 129, 15575-15579.	1.6	31
86	A Dewetting-Induced Assembly Strategy for Precisely Patterning Organic Single Crystals in OFETs. ACS Applied Materials & Interfaces, 2016, 8, 18978-18984.	4.0	18
87	Novel Air Stable Organic Radical Semiconductor of Dimers of Dithienothiophene, Single Crystals, and Fieldâ€Effect Transistors. Advanced Materials, 2016, 28, 7466-7471.	11.1	39
88	Asymmetric Diketopyrrolopyrrole Conjugated Polymers for Fieldâ€Effect Transistors and Polymer Solar Cells Processed from a Nonchlorinated Solvent. Advanced Materials, 2016, 28, 943-950.	11.1	155
89	Perylene Diimide Trimers Based Bulk Heterojunction Organic Solar Cells with Efficiency over 7%. Advanced Energy Materials, 2016, 6, 1600060.	10.2	111
90	Hybrid Corannuleneâ€"Perylene Dyes: Facile Synthesis and Optoelectronic Properties. Chemistry - an Asian Journal, 2016, 11, 2695-2699.	1.7	21

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91	Synthesis and Applications of Ï€-Extended Naphthalene Diimides. Chemical Record, 2016, 16, 873-885.	2.9	23
92	Highly Contorted 1,2,5â€Thiadiazoleâ€Fused Aromatics for Solutionâ€Processed Fieldâ€Effect Transistors: Synthesis and Properties. Chemistry - an Asian Journal, 2016, 11, 2188-2200.	1.7	9
93	Isomeric indacenedibenzothiophenes: synthesis, photoelectric properties and ambipolar semiconductivity. Journal of Materials Chemistry C, 2016, 4, 5202-5206.	2.7	21
94	Memory Arrays: Skin-Inspired Haptic Memory Arrays with an Electrically Reconfigurable Architecture (Adv. Mater. 8/2016). Advanced Materials, 2016, 28, 1526-1526.	11.1	3
95	Perfluoroalkyl-substituted conjugated polymers as electron acceptors for all-polymer solar cells: the effect of diiodoperfluoroalkane additives. Journal of Materials Chemistry A, 2016, 4, 7736-7745.	5.2	31
96	Effect of Fluorination on Molecular Orientation of Conjugated Polymers in High Performance Field-Effect Transistors. Macromolecules, 2016, 49, 6431-6438.	2.2	71
97	Ternary Organic Solar Cells Based on Two Compatible Nonfullerene Acceptors with Power Conversion Efficiency >10%. Advanced Materials, 2016, 28, 10008-10015.	11.1	254
98	Topâ€Pinning Controlled Dewetting for Fabrication of Largeâ€Scaled Polymer Microwires and Applications in OFETs. Advanced Electronic Materials, 2016, 2, 1600111.	2.6	12
99	Highâ€Performance Nonâ€Fullerene Organic Solar Cells Based on a Seleniumâ€Containing Polymer Donor and a Twisted Perylene Bisimide Acceptor. Advanced Science, 2016, 3, 1600117.	5.6	76
100	Organic cocrystals: the development of ferroelectric properties. Science China Materials, 2016, 59, 523-530.	3.5	35
101	A high performance three-dimensional thiophene-annulated perylene dye as an acceptor for organic solar cells. Chemical Communications, 2016, 52, 11500-11503.	2.2	40
102	Polycyclic aromatic hydrocarbons with orthogonal tetraimides as n-type semiconductors. Chemical Communications, 2016, 52, 13209-13212.	2.2	37
103	Three-Bladed Rylene Propellers with Three-Dimensional Network Assembly for Organic Electronics. Journal of the American Chemical Society, 2016, 138, 10184-10190.	6.6	449
104	Perylene Bisimides as efficient electron transport layers in planar heterojunction perovskite solar cells. Science China Chemistry, 2016, 59, 1658-1662.	4.2	9
105	Surface-induced highly oriented perylo[1,12-b,c,d]selenophene thin films for high performance organic field-effect transistors. Organic Electronics, 2016, 35, 186-192.	1.4	10
106	Tuning charge transport from unipolar (n-type) to ambipolar in bis(naphthalene diimide) derivatives by introducing Ï€-conjugated heterocyclic bridging moieties. Journal of Materials Chemistry C, 2016, 4, 7230-7240.	2.7	25
107	Influence of alkyl chain branching point on the electron transport properties of di(perylene diimides) thin film transistors. RSC Advances, 2016, 6, 55946-55952.	1.7	9
108	Skinâ€Inspired Haptic Memory Arrays with an Electrically Reconfigurable Architecture. Advanced Materials, 2016, 28, 1559-1566.	11.1	173

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109	Highâ€Mobility Nâ€Type Organic Fieldâ€Effect Transistors of Rylene Compounds Fabricated by a Traceâ€Spinâ€Coating Technique. Advanced Electronic Materials, 2016, 2, 1500430.	2.6	14
110	High-Performance Solution-Processed Non-Fullerene Organic Solar Cells Based on Selenophene-Containing Perylene Bisimide Acceptor. Journal of the American Chemical Society, 2016, 138, 375-380.	6.6	643
111	Conjugated polymer with ternary electronâ€deficient units for ambipolar nanowire fieldâ€effect transistors. Journal of Polymer Science Part A, 2016, 54, 34-38.	2.5	19
112	Surface Hostâ€"Guest Supramolecular Assemblies on Porphyrin-Based Covalent Organic Grids. Journal of Physical Chemistry C, 2016, 120, 15753-15757.	1.5	16
113	P3HT:DiPBI bulk heterojunction solar cells: morphology and electronic structure probed by multiscale simulation and UV/vis spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 6217-6227.	1.3	15
114	Bis(perylene diimide) with DACH bridge as non-fullerene electron acceptor for organic solar cells. RSC Advances, 2016, 6, 14027-14033.	1.7	19
115	Epitaxially-crystallized oriented naphthalene bis(dicarboximide) morphology for significant performance improvement of electron-transporting thin-film transistors. Chemical Communications, 2016, 52, 4902-4905.	2.2	21
116	Poly(pentacyclic lactam-alt-diketopyrrolopyrrole) for field-effect transistors and polymer solar cells processed from non-chlorinated solvents. Polymer Chemistry, 2016, 7, 164-170.	1.9	18
117	Influence of Molecular Geometry of Perylene Diimide Dimers and Polymers on Bulk Heterojunction Morphology Toward Highâ€Performance Nonfullerene Polymer Solar Cells. Advanced Functional Materials, 2015, 25, 5326-5332.	7.8	119
118	High Performance Polymer Nanowire Fieldâ€Effect Transistors with Distinct Molecular Orientations. Advanced Materials, 2015, 27, 4963-4968.	11.1	79
119	Diaceno[a,e]pentalenes: An Excellent Molecular Platform for Highâ€Performance Organic Semiconductors. Chemistry - A European Journal, 2015, 21, 17016-17022.	1.7	48
120	Pyridine-bridged diketopyrrolopyrrole conjugated polymers for field-effect transistors and polymer solar cells. Polymer Chemistry, 2015, 6, 4775-4783.	1.9	34
121	N-Annulated perylene-based metal-free organic sensitizers for dye-sensitized solar cells. Chemical Communications, 2015, 51, 4842-4845.	2.2	76
122	New Dâ€"Aâ€"Ï€â€"A organic sensitizers for efficient dye-sensitized solar cells. Chemical Communications, 2015, 51, 3590-3592.	2.2	61
123	Toward efficient non-fullerene polymer solar cells: Selection of donor polymers. Organic Electronics, 2015, 17, 295-303.	1.4	41
124	Suppressed charge recombination in polymer solar cells based on perylene diimide derivative acceptors via solvent vapor annealing. Organic Electronics, 2015, 18, 24-31.	1.4	12
125	Conjugated polymers with deep LUMO levels for field-effect transistors and polymerâ€"polymer solar cells. Journal of Materials Chemistry C, 2015, 3, 8255-8261.	2.7	23
126	Enhanced Efficiency in Fullerene-Free Polymer Solar Cell by Incorporating Fine-designed Donor and Acceptor Materials. ACS Applied Materials & Interfaces, 2015, 7, 9274-9280.	4.0	110

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127	Synthesis of nitrogen-doped monolayer graphene with high transparent and n-type electrical properties. Journal of Materials Chemistry C, 2015, 3, 6172-6177.	2.7	24
128	Non-Fullerene-Acceptor-Based Bulk-Heterojunction Organic Solar Cells with Efficiency over 7%. Journal of the American Chemical Society, 2015, 137, 11156-11162.	6.6	490
129	Facile synthesis of a pyrrole-fused dibenzo[a,e]pentalene and its application as a new extended, ladder-type fused aromatic system. Chemical Communications, 2015, 51, 693-696.	2.2	26
130	Surface Supported Goldâ€"Organic Hybrids: Onâ€Surface Synthesis and Surface Directed Orientation. Small, 2014, 10, 1361-1368.	5.2	62
131	Selecting a Donor Polymer for Realizing Favorable Morphology in Efficient Nonâ€fullerene Acceptorâ€based Solar Cells. Small, 2014, 10, 4658-4663.	5.2	76
132	Regioselective Functionalization of Coreâ€Persubstituted Perylene Diimides. Chemistry - A European Journal, 2014, 20, 5209-5213.	1.7	45
133	Synthesis and Properties of Diazapentacene Diimides. Asian Journal of Organic Chemistry, 2014, 3, 114-117.	1.3	13
134	Bay-linked perylene bisimides as promising non-fullerene acceptors for organic solar cells. Chemical Communications, 2014, 50, 1024-1026.	2.2	290
135	Defect-controlled synthesis of graphene based nano-size electronic devices using in situ thermal treatment. Organic Electronics, 2014, 15, 685-691.	1.4	7
136	Cyano-Substituted Perylene Diimides with Linearly Correlated LUMO Levels. Organic Letters, 2014, 16, 394-397.	2.4	65
137	Inclusion complexes of fullerenes with flexible tetrathiafulvalene derivatives bearing four aryls through sulfur bridges. Journal of Materials Chemistry C, 2014, 2, 8071-8076.	2.7	12
138	Decorating Tetrathiafulvalene (TTF) with Fluorinated Phenyls through Sulfur Bridges: Facile Synthesis, Properties, and Aggregation through Fluorine Interactions. Chemistry - A European Journal, 2014, 20, 9650-9656.	1.7	16
139	High performance, air stable n-type single crystal transistors based on core-tetrachlorinated perylene diimides. Chemical Communications, 2014, 50, 12462-12464.	2.2	36
140	Laterally Expanded Rylene Diimides with Uniform Branched Side Chains for Solution-Processed Air Stable n-Channel Thin Film Transistors. ACS Applied Materials & Interfaces, 2014, 6, 18098-18103.	4.0	17
141	Large area uniformly oriented multilayer graphene with high transparency and conducting properties derived from highly oriented polyethylene films. Journal of Materials Chemistry C, 2014, 2, 6048-6055.	2.7	6
142	Tailorable Aqueous Dispersion of Single-Walled Carbon Nanotubes Using Tetrachloroperylene-Based Bolaamphiphiles via Noncovalent Modification. Langmuir, 2014, 30, 8615-8620.	1.6	21
143	Tailor-Made Rylene Arrays for High Performance n-Channel Semiconductors. Accounts of Chemical Research, 2014, 47, 3135-3147.	7.6	313
144	Thermally Sensitive Self-Assembly of Glucose-Functionalized Tetrachloro-Perylene Bisimides: From Twisted Ribbons to Microplates. Langmuir, 2014, 30, 11040-11045.	1.6	18

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145	Highâ€Performance and Tailorable Pressure Sensor Based on Ultrathin Conductive Polymer Film. Small, 2014, 10, 1466-1472.	5.2	189
146	Conjugated donor-acceptor copolymers from dicyanated naphthalene diimide. Tetrahedron, 2014, 70, 6265-6270.	1.0	12
147	Synthesis and Properties of Heterocyclic Acene Diimides. Organic Letters, 2013, 15, 682-685.	2.4	51
148	A Ligandâ€free Copperâ€promoted Dimerization of Perylene Bisimide by Aromatic Cï£¿C Homocoupling and Cï£¿H Activation. Asian Journal of Organic Chemistry, 2013, 2, 558-560.	1.3	6
149	Molecular and Crystal Structure Diversity, and Physical Properties of Tetrathiafulvalene Derivatives Substituted with Various Aryl Groups through Sulfur Bridges. Chemistry - A European Journal, 2013, 19, 12517-12525.	1.7	23
150	All-polymer solar cells based on PTACs/P3HT blends with large open-circuit voltage. Dyes and Pigments, 2013, 99, 1065-1071.	2.0	10
151	Perpendicularly entangled perylene diimides for high performance electron transport materials. Journal of Materials Chemistry C, 2013, 1, 7812.	2.7	16
152	High performance Langmuirâ€"Schaeffer film transistors based on air stable n-type diperylene bisimide. Organic Electronics, 2013, 14, 2610-2616.	1.4	6
153	Construction of well-defined butadiynylene-linked perylene bisimide arrays via cross-coupling. Dyes and Pigments, 2013, 97, 244-249.	2.0	12
154	PEGylated nanoparticles of diperylene bisimides with high efficiency of 1O2 generation. Dyes and Pigments, 2013, 97, 129-133.	2.0	17
155	Hybrid molecular nanostructures with donor-acceptor chains. Science China Chemistry, 2013, 56, 124-130.	4.2	8
156	Synthesis and Properties of Naphthobisbenzothiophene Diimides. Organic Letters, 2013, 15, 1366-1369.	2.4	40
157	Dibromomaleimide Derivative as an Efficient Polymer Coupling Agent for Building Topological Polymers. Macromolecular Chemistry and Physics, 2013, 214, 470-477.	1.1	16
158	Relaxation dynamics of stretched polymer chains traced by shear induced Shishâ€Kebab structure. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 907-914.	2.4	10
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