

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	Non-fullerene acceptors for organic solar cells. <i>Nature Reviews Materials</i> , 2018, 3, .	23.3	2,163
2	High-Performance Solution-Processed Non-Fullerene Organic Solar Cells Based on Selenophene-Containing Perylene Bisimide Acceptor. <i>Journal of the American Chemical Society</i> , 2016, 138, 375-380.	6.6	643
3	Non-Fullerene-Acceptor-Based Bulk-Heterojunction Organic Solar Cells with Efficiency over 7%. <i>Journal of the American Chemical Society</i> , 2015, 137, 11156-11162.	6.6	490
4	Three-Bladed Rylene Propellers with Three-Dimensional Network Assembly for Organic Electronics. <i>Journal of the American Chemical Society</i> , 2016, 138, 10184-10190.	6.6	449
5	Heteroarenes as high performance organic semiconductors. <i>Chemical Society Reviews</i> , 2013, 42, 6113.	18.7	423
6	Polymer Donors for High-Performance Non-Fullerene Organic Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4442-4453.	7.2	361
7	Tailor-Made Rylene Arrays for High Performance n-Channel Semiconductors. <i>Accounts of Chemical Research</i> , 2014, 47, 3135-3147.	7.6	313
8	Bay-linked perylene bisimides as promising non-fullerene acceptors for organic solar cells. <i>Chemical Communications</i> , 2014, 50, 1024-1026.	2.2	290
9	Solution-Processed, High-Performance Nanoribbon Transistors Based on Dithiopyrene. <i>Journal of the American Chemical Society</i> , 2011, 133, 1-3.	6.6	255
10	Ternary Organic Solar Cells Based on Two Compatible Nonfullerene Acceptors with Power Conversion Efficiency >10%. <i>Advanced Materials</i> , 2016, 28, 10008-10015.	11.1	254
11	An Electron Acceptor with Porphyrin and Perylene Bisimides for Efficient Non-Fullerene Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2694-2698.	7.2	232
12	Thermoresponsive Polypeptides from Pegylated Poly- <i>l</i> -glutamates. <i>Biomacromolecules</i> , 2011, 12, 2859-2863.	2.6	227
13	Micrometer- and Nanometer-Sized Organic Single-Crystalline Transistors. <i>Advanced Materials</i> , 2008, 20, 2947-2951.	11.1	212
14	Hexakis(4-iodophenyl)-peri-hexabenzocoronene- A Versatile Building Block for Highly Ordered Discotic Liquid Crystalline Materials. <i>Journal of the American Chemical Society</i> , 2004, 126, 177-186.	6.6	202
15	High Mobility, Air Stable, Organic Single Crystal Transistors of an n-Type Diperylene Bisimide. <i>Advanced Materials</i> , 2012, 24, 2626-2630.	11.1	199
16	New developments in non-fullerene small molecule acceptors for polymer solar cells. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1291-1303.	3.2	194
17	High-Performance and Tailorable Pressure Sensor Based on Ultrathin Conductive Polymer Film. <i>Small</i> , 2014, 10, 1466-1472.	5.2	189
18	Skin-Inspired Haptic Memory Arrays with an Electrically Reconfigurable Architecture. <i>Advanced Materials</i> , 2016, 28, 1559-1566.	11.1	173

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19	Organic Single-Crystalline Ribbons of a Rigid <i>h</i> -Type Anthracene Derivative and High-Performance, Short-Channel Field-Effect Transistors of Individual Micro/Nanometer-Sized Ribbons Fabricated by an <i>o</i> -Organic Ribbon Mask-Technique. <i>Advanced Materials</i> , 2008, 20, 2735-2740.	11.1	161
20	Fully Conjugated Tri(perylene bisimides): An Approach to the Construction of <i>n</i> -Type Graphene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2008, 130, 17970-17976.	6.6	156
21	Asymmetric Diketopyrrolopyrrole Conjugated Polymers for Field-Effect Transistors and Polymer Solar Cells Processed from a Nonchlorinated Solvent. <i>Advanced Materials</i> , 2016, 28, 943-950.	11.1	155
22	High-Performance Transistor Based on Individual Single-Crystalline Micrometer Wire of Perylo[1,12-b,c,d]thiophene. <i>Journal of the American Chemical Society</i> , 2007, 129, 1882-1883.	6.6	148
23	Suppressing Aggregation in a Large Polycyclic Aromatic Hydrocarbon. <i>Journal of the American Chemical Society</i> , 2006, 128, 1334-1339.	6.6	141
24	Perylene Diimide-Embedded Double [8]Helicenes. <i>Journal of the American Chemical Society</i> , 2020, 142, 7092-7099.	6.6	136
25	Hybrid Rylene Arrays via Combination of Stille Coupling and C-H Transformation as High-Performance Electron Transport Materials. <i>Journal of the American Chemical Society</i> , 2012, 134, 5770-5773.	6.6	128
26	From Branched Polyphenylenes to Graphite Ribbons. <i>Macromolecules</i> , 2003, 36, 7082-7089.	2.2	126
27	Air-Stable <i>n</i> -Type Semiconductor: <i>h</i> -Core-Perfluoroalkylated Perylene Bisimides. <i>Organic Letters</i> , 2008, 10, 529-532.	2.4	120
28	Exceptional Coupling of Tetrachloroperylene Bisimide: <i>h</i> -Combination of Ullmann Reaction and C-H Transformation. <i>Journal of the American Chemical Society</i> , 2007, 129, 10664-10665.	6.6	119
29	Influence of Molecular Geometry of Perylene Diimide Dimers and Polymers on Bulk Heterojunction Morphology Toward High-Performance Nonfullerene Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2015, 25, 5326-5332.	7.8	119
30	Giant Rylene Imide-Based Electron Acceptors for Organic Photovoltaics. <i>Accounts of Chemical Research</i> , 2021, 54, 961-975.	7.6	119
31	Efficient Organic Solar Cells with Extremely High Open-Circuit Voltages and Low Voltage Losses by Suppressing Nonradiative Recombination Losses. <i>Advanced Energy Materials</i> , 2018, 8, 1801699.	10.2	117
32	Spiro-Fused Perylene Diimide Arrays. <i>Journal of the American Chemical Society</i> , 2017, 139, 15914-15920.	6.6	116
33	Self-Assembly of Electron Donor-Acceptor Dyads into Ordered Architectures in Two and Three Dimensions: A Surface Patterning and Columnar <i>o</i> -Double Cables. <i>Journal of the American Chemical Society</i> , 2004, 126, 3567-3575.	6.6	111
34	Perylene Diimide Trimers Based Bulk Heterojunction Organic Solar Cells with Efficiency over 7%. <i>Advanced Energy Materials</i> , 2016, 6, 1600060.	10.2	111
35	Enhanced Efficiency in Fullerene-Free Polymer Solar Cell by Incorporating Fine-designed Donor and Acceptor Materials. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9274-9280.	4.0	110
36	Corannulylene Pentapetales. <i>Journal of the American Chemical Society</i> , 2019, 141, 5402-5408.	6.6	109

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37	Electron-Deficient N-Heteroaromatic Linkers for the Elaboration of Large, Soluble Polycyclic Aromatic Hydrocarbons and Their Use in the Synthesis of Some Very Large Transition Metal Complexes. <i>Journal of the American Chemical Society</i> , 2007, 129, 11743-11749.	6.6	107
38	High-Performance, Stable Organic Field-Effect Transistors Based on <i>trans</i> -1,2-(Dithieno[2,3- <i>b</i> :3' <i>â</i> ² ,2' ^â - <i>d</i>]thiophene)ethene. <i>Chemistry of Materials</i> , 2009, 21, 1993-1999.	3.2	103
39	Simultaneously Enhanced Reverse Intersystem Crossing and Radiative Decay in Thermally Activated Delayed Fluorophors with Multiple Through-Space Charge Transfers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23771-23776.	7.2	100
40	Heteroatom-Annulated Perylenes: Practical Synthesis, Photophysical Properties, and Solid-State Packing Arrangement. <i>Journal of Organic Chemistry</i> , 2008, 73, 7369-7372.	1.7	99
41	Advances in Non-Fullerene Acceptor Based Ternary Organic Solar Cells. <i>Solar Rrl</i> , 2018, 2, 1700158.	3.1	98
42	Exceptional Intersystem Crossing in Di(perylene bisimide)s: A Structural Platform toward Photosensitizers for Singlet Oxygen Generation. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2499-2502.	2.1	95
43	Ferrocene as a highly volatile solid additive in non-fullerene organic solar cells with enhanced photovoltaic performance. <i>Energy and Environmental Science</i> , 2020, 13, 5117-5125.	15.6	93
44	One-Pot Synthesis of Stable NIR Tetracene Diimides via Double Cross-Coupling. <i>Journal of the American Chemical Society</i> , 2011, 133, 18054-18057.	6.6	89
45	A Densely and Uniformly Packed Organic Semiconductor Based on Annulated <i>trans</i> -trithiophenes for High-Performance Thin Film Transistors. <i>Advanced Functional Materials</i> , 2009, 19, 272-276.	7.8	88
46	Graphitic Molecules with Partial <i>zigzag</i> -Periphery. <i>Journal of the American Chemical Society</i> , 2004, 126, 7794-7795.	6.6	87
47	The Crucial Role of Chlorinated Thiophene Orientation in Conjugated Polymers for Photovoltaic Devices. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12911-12915.	7.2	87
48	Nanographene Imides Featuring Dual-Core Sixfold [5]Helicenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 178-183.	7.2	86
49	Synthesis and luminescence properties of novel ferrocene-naphthalimides dyads. <i>Journal of Organometallic Chemistry</i> , 2002, 645, 168-175.	0.8	85
50	Bis-N-Annulated Quaterylene: An Approach to Processable Graphene Nanoribbons. <i>Organic Letters</i> , 2009, 11, 1385-1387.	2.4	84
51	Tri-N-annulated Hexarylene: An Approach to Well-Defined Graphene Nanoribbons with Large Dipoles. <i>Journal of the American Chemical Society</i> , 2010, 132, 4208-4213.	6.6	84
52	Efficient Ternary Organic Solar Cells Enabled by the Integration of Nonfullerene and Fullerene Acceptors with a Broad Composition Tolerance. <i>Advanced Functional Materials</i> , 2019, 29, 1807006.	7.8	81
53	Fine-Tuned Nanostructures Assembled from <i>l</i> -Lysine-Functionalized Perylene Bisimides. <i>Langmuir</i> , 2011, 27, 11364-11371.	1.6	80
54	High Performance Polymer Nanowire Field-Effect Transistors with Distinct Molecular Orientations. <i>Advanced Materials</i> , 2015, 27, 4963-4968.	11.1	79

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55	S-heterocyclic annelated perylene bisimide: synthesis and co-crystal with pyrene. <i>Chemical Communications</i> , 2006, , 4587.	2.2	77
56	Selecting a Donor Polymer for Realizing Favorable Morphology in Efficient Non-fullerene Acceptor-based Solar Cells. <i>Small</i> , 2014, 10, 4658-4663.	5.2	76
57	N-Annulated perylene-based metal-free organic sensitizers for dye-sensitized solar cells. <i>Chemical Communications</i> , 2015, 51, 4842-4845.	2.2	76
58	High-Performance Non-Fullerene Organic Solar Cells Based on a Selenium-Containing Polymer Donor and a Twisted Perylene Bisimide Acceptor. <i>Advanced Science</i> , 2016, 3, 1600117.	5.6	76
59	Bridge-Mediated Charge Separation in Isomeric N-Annulated Perylene Diimide Dimers. <i>Journal of the American Chemical Society</i> , 2019, 141, 12789-12796.	6.6	76
60	Double-Concave Graphene: Permethylated Hexa-peri-hexabenzocoronene and Its Cocrystals with Hexafluorobenzene and Fullerene. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1247-1250.	7.2	75
61	One-Pot Facile Synthesis of Pyridyl Annelated Perylene Bisimides. <i>Organic Letters</i> , 2010, 12, 228-231.	2.4	73
62	Synthesis and Application of Rylene Imide Dyes as Organic Semiconducting Materials. <i>Chemistry - an Asian Journal</i> , 2018, 13, 20-30.	1.7	73
63	n-Type Charge Transport and Mobility of Fluorinated Perylene Bisimide Semiconductors. <i>Journal of Physical Chemistry B</i> , 2010, 114, 5327-5334.	1.2	72
64	Effect of Fluorination on Molecular Orientation of Conjugated Polymers in High Performance Field-Effect Transistors. <i>Macromolecules</i> , 2016, 49, 6431-6438.	2.2	71
65	Electron-Transporting Bis(heterotetracenes) with Tunable Helical Packing. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10933-10937.	7.2	69
66	A Decatwistacene with an Overall 170° Torsion. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15373-15377.	7.2	68
67	Localization/Delocalization of Charges in Bay-Linked Perylene Bisimides. <i>Chemistry - A European Journal</i> , 2012, 18, 6764-6775.	1.7	66
68	Oligomers of Hexa-peri-hexabenzocoronenes as Super-oligophenylenes: Synthesis, Electronic Properties, and Self-assembly. <i>Journal of Organic Chemistry</i> , 2004, 69, 8194-8204.	1.7	65
69	Cyano-Substituted Perylene Diimides with Linearly Correlated LUMO Levels. <i>Organic Letters</i> , 2014, 16, 394-397.	2.4	65
70	Symmetry-Induced Orderly Assembly Achieving High-Performance Perylene Diimide-Based Nonfullerene Organic Solar Cells. <i>CCS Chemistry</i> , 2021, 3, 78-84.	4.6	64
71	Surface Supported Gold-Organic Hybrids: On-Surface Synthesis and Surface Directed Orientation. <i>Small</i> , 2014, 10, 1361-1368.	5.2	62
72	New Aromatic organic sensitizers for efficient dye-sensitized solar cells. <i>Chemical Communications</i> , 2015, 51, 3590-3592.	2.2	61

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73	Photochemical Cycling of Iron Mediated by Dicarboxylates: Special Effect of Malonate. <i>Environmental Science & Technology</i> , 2010, 44, 263-268.	4.6	60
74	Heterocyclic Annelated Di(perylene bisimide): Constructing Bowl-Shaped Perylene Bisimides by the Combination of Steric Congestion and Ring Strain. <i>Journal of Organic Chemistry</i> , 2009, 74, 6275-6282.	1.7	59
75	Triperylene Hexaimides Based All-Small-Molecule Solar Cells with an Efficiency over 6% and Open Circuit Voltage of 1.04 V. <i>Advanced Energy Materials</i> , 2017, 7, 1601664.	10.2	57
76	The ultrafast intramolecular dynamics of phthalocyanine and porphyrin derivatives. <i>Journal of Chemical Physics</i> , 1996, 105, 5377-5379.	1.2	55
77	Highly Regiospecific Synthetic Approach to Monobay-Functionalized Perylene Bisimide and Di(perylene) Tj ETQq1 1,0,784314,rgBT /O	2.4	54
78	Capillary-Bridge Mediated Assembly of Conjugated Polymer Arrays toward Organic Photodetectors. <i>Advanced Functional Materials</i> , 2017, 27, 1701347.	7.8	53
79	Rational Design of Helical Columnar Packing in Single Crystals. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1972-1975.	7.2	52
80	Synthesis and Properties of Heterocyclic Acene Diimides. <i>Organic Letters</i> , 2013, 15, 682-685.	2.4	51
81	Influence of alkyl chains on photovoltaic properties of 3D rylene propeller electron acceptors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3475-3482.	5.2	51
82	Direct Functionalization of Polycyclic Aromatics via Radical Perfluoroalkylation. <i>Organic Letters</i> , 2010, 12, 2374-2377.	2.4	50
83	A Study on the Epitaxial Ordering Process of the Polycaprolactone on the Highly Oriented Polyethylene Substrate. <i>Macromolecules</i> , 2010, 43, 362-366.	2.2	50
84	Suppression of Recombination Energy Losses by Decreasing the Energetic Offsets in Perylene Diimide-Based Nonfullerene Organic Solar Cells. <i>ACS Energy Letters</i> , 2018, 3, 2729-2735.	8.8	50
85	Boosting Circularly Polarized Luminescence Performance by a Double π -Helix and Heteroannulation. <i>Journal of the American Chemical Society</i> , 2022, 144, 11397-11404.	6.6	50
86	Copper-Mediated Domino Process for the Synthesis of Tetraiodinated Di(perylene bisimide). <i>Organic Letters</i> , 2008, 10, 2337-2340.	2.4	48
87	Single crystalline microribbons of perylo[1,12-b,c,d]selenophene for high performance transistors. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	48
88	Diaceno[<i>a</i>], [<i>e</i>]pentalenes: An Excellent Molecular Platform for High-Performance Organic Semiconductors. <i>Chemistry - A European Journal</i> , 2015, 21, 17016-17022.	1.7	48
89	Fulvalene-Embedded Perylene Diimide and Its Stable Radical Anion. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 752-757.	7.2	48
90	Partially stripped insulated nanowires: a lightly substituted hexa-peri-hexabenzocoronene-based columnar liquid crystal. <i>Chemical Communications</i> , 2004, , 336-337.	2.2	47

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91	Hexacene Diimides. <i>Journal of the American Chemical Society</i> , 2018, 140, 12175-12180.	6.6	46
92	Photochemical Coupling Reactions between Fe(III)/Fe(II), Cr(VI)/Cr(III), and Polycarboxylates: Inhibitory Effect of Cr Species. <i>Environmental Science & Technology</i> , 2008, 42, 7260-7266.	4.6	45
93	Structural selection of graphene supramolecular assembly oriented by molecular conformation and alkyl chain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16849-16854.	3.3	45
94	Regioselective Functionalization of Core-Substituted Perylene Diimides. <i>Chemistry - A European Journal</i> , 2014, 20, 5209-5213.	1.7	45
95	Photochemical Coupling of Iron Redox Reactions and Transformation of Low-Molecular-Weight Organic Matter. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2044-2051.	2.1	44
96	Dodecatwistarene Imides with Zigzag-Twisted Conformation for Organic Electronics. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2008-2012.	7.2	44
97	Synthesis and Properties of Ethylene-Annulated Di(perylene diimides). <i>Organic Letters</i> , 2012, 14, 5278-5281.	2.4	43
98	Direct Meta-Selective Alkylation of Perylene Bisimides via Palladium-Catalyzed C-H Functionalization. <i>Organic Letters</i> , 2009, 11, 5430-5433.	2.4	42
99	Tetrachloro-tetra(perylene bisimides): an approach towards N-type graphene nanoribbons. <i>Chemical Communications</i> , 2010, 46, 1926-1928.	2.2	42
100	N-Alkyl substituted di(perylene bisimides) as air-stable electron transport materials for solution-processible thin-film transistors with enhanced performance. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3200.	2.7	42
101	Light-assisted decomposition of dyes over iron-bearing soil clays in the presence of H ₂ O ₂ . <i>Journal of Hazardous Materials</i> , 2009, 168, 1246-1252.	6.5	41
102	Toward efficient non-fullerene polymer solar cells: Selection of donor polymers. <i>Organic Electronics</i> , 2015, 17, 295-303.	1.4	41
103	Synthesis and Properties of Naphthobisbenzothiophene Diimides. <i>Organic Letters</i> , 2013, 15, 1366-1369.	2.4	40
104	A high performance three-dimensional thiophene-annulated perylene dye as an acceptor for organic solar cells. <i>Chemical Communications</i> , 2016, 52, 11500-11503.	2.2	40
105	A C ₂ -symmetric triple [5]helicene based on N-annulated triperylene hexaimide for chiroptical electronics. <i>Science China Chemistry</i> , 2020, 63, 208-214.	4.2	40
106	Novel Air Stable Organic Radical Semiconductor of Dimers of Dithienothiophene, Single Crystals, and Field-Effect Transistors. <i>Advanced Materials</i> , 2016, 28, 7466-7471.	11.1	39
107	Nonfullerene-Acceptor All-Small-Molecule Organic Solar Cells Based on Highly Twisted Perylene Bisimide with an Efficiency of over 6%. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2739-2746.	4.0	39
108	Photocatalytic Oxidation of Organic Pollutants Catalyzed by an Iron Complex at Biocompatible pH Values: Using O ₂ as Main Oxidant in a Fenton-like Reaction. <i>Journal of Physical Chemistry C</i> , 2011, 115, 4089-4095.	1.5	38

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109	High performance n-type single crystalline transistors of naphthalene bis(dicarboximide) and their anisotropic transport in crystals. <i>Chemical Communications</i> , 2012, 48, 5154.	2.2	38
110	Rylene Annulated Subphthalocyanine: A Promising Cone-Shaped Non-Fullerene Acceptor for Organic Solar Cells. , 2019, 1, 404-409.		38
111	Integration of nitrogen into coronene bisimides. <i>Tetrahedron</i> , 2012, 68, 9234-9239.	1.0	37
112	Polycyclic aromatic hydrocarbons with orthogonal tetraimides as n-type semiconductors. <i>Chemical Communications</i> , 2016, 52, 13209-13212.	2.2	37
113	Nanoscale array of inversely biased molecular rectifiers. <i>Chemical Physics Letters</i> , 2004, 387, 372-376.	1.2	36
114	High performance, air stable n-type single crystal transistors based on core-tetrachlorinated perylene diimides. <i>Chemical Communications</i> , 2014, 50, 12462-12464.	2.2	36
115	Synthesis, crystal structure, enhanced photoluminescence properties and fluoride detection ability of S-heterocyclic annulated perylene diimide-polyhedral oligosilsesquioxane dye. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2566-2576.	2.7	36
116	Alkyl Chain Regiochemistry of Benzotriazole-Based Donor Polymers Influencing Morphology and Performances of Non-Fullerene Organic Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1702427.	10.2	36
117	Polymer Donors for High-Performance Non-Fullerene Organic Solar Cells. <i>Angewandte Chemie</i> , 2019, 131, 4488-4499.	1.6	36
118	Fuller-Rylenes: Cross-Dimensional Molecular Carbons. <i>CCS Chemistry</i> , 2020, 2, 271-279.	4.6	36
119	Organic cocrystals: the development of ferroelectric properties. <i>Science China Materials</i> , 2016, 59, 523-530.	3.5	35
120	Spirobifluorene-Based Conjugated Polymers for Polymer Solar Cells with High Open-Circuit Voltage. <i>Macromolecules</i> , 2012, 45, 3017-3022.	2.2	34
121	Pyridine-bridged diketopyrrolopyrrole conjugated polymers for field-effect transistors and polymer solar cells. <i>Polymer Chemistry</i> , 2015, 6, 4775-4783.	1.9	34
122	Core-extended rylene dyes via thiophene annulation. <i>Chemical Communications</i> , 2012, 48, 8204.	2.2	33
123	Cocrystallization Tailoring Multiple Radiative Decay Pathways for Amplified Spontaneous Emission. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 281-289.	7.2	33
124	Organic donor-acceptor heterojunctions for high performance circularly polarized light detection. <i>Nature Communications</i> , 2022, 13, .	5.8	33
125	One-Pot Synthesis of Well-Defined Oligo- Butadiynylene-Naphthalene Diimides. <i>Organic Letters</i> , 2010, 12, 3460-3463.	2.4	32
126	Molecular evidence for the intermolecular S \cdots S interaction in the surface molecular packing motifs of a fused thiophene derivative. <i>Chemical Communications</i> , 2013, 49, 1829.	2.2	32

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127	Nanographene Imides Featuring Dual-Core Sixfold [5]Helicenes. <i>Angewandte Chemie</i> , 2019, 131, 184-189.	1.6	32
128	Synthesis, packing arrangement and transistor performance of dimers of dithienothiophenes. <i>Journal of Materials Chemistry</i> , 2009, 19, 8216.	6.7	31
129	Perfluoroalkyl-substituted conjugated polymers as electron acceptors for all-polymer solar cells: the effect of diiodoperfluoroalkane additives. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7736-7745.	5.2	31
130	A Decatwistacene with an Overall 170° Torsion. <i>Angewandte Chemie</i> , 2017, 129, 15575-15579.	1.6	31
131	Chiral nanoribbons based on doubly-linked oligo-perylene bisimides. <i>Chemical Communications</i> , 2010, 46, 6078.	2.2	30
132	Fulvalene-Embedded Perylene Diimide and Its Stable Radical Anion. <i>Angewandte Chemie</i> , 2020, 132, 762-767.	1.6	30
133	Self-assembled monolayer and multilayer films based on lysine functionalized perylene bisimide. <i>Journal of Materials Chemistry</i> , 2012, 22, 4312-4318.	6.7	28
134	An Electron Acceptor with Porphyrin and Perylene Bisimides for Efficient Non-Fullerene Solar Cells. <i>Angewandte Chemie</i> , 2017, 129, 2738-2742.	1.6	28
135	Noncovalent π -stacked robust topological organic framework. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20397-20403.	3.3	28
136	Structure-Dependent All-Optical Switching in Graphene-Nanoribbon-Like Molecules: Fully Conjugated Tri(peryene bisimides). <i>Journal of Physical Chemistry A</i> , 2010, 114, 9130-9135.	1.1	27
137	Fluoroalkyl-modified naphthodithiophene diimides. <i>Chemical Communications</i> , 2017, 53, 188-191.	2.2	27
138	Isomeric N -Annulated Perylene Diimide Dimers for Organic Solar Cells. <i>Chemistry - an Asian Journal</i> , 2018, 13, 918-923.	1.7	27
139	High Efficiency Non-fullerene Organic Tandem Photovoltaics Based on Ternary Blend Subcells. <i>Nano Letters</i> , 2018, 18, 7977-7984.	4.5	27
140	Vapor Phase Epitaxy of Perylo[1,12-bcd]thiophene on Highly Oriented Polyethylene Thin Films. <i>Macromolecules</i> , 2009, 42, 9321-9324.	2.2	26
141	Facile synthesis of a pyrrole-fused dibenzo[a,e]pentalene and its application as a new extended, ladder-type fused aromatic system. <i>Chemical Communications</i> , 2015, 51, 693-696.	2.2	26
142	Theoretical Analysis of Ultrafast Fluorescence Depletion of Vibrational Relaxation of Dye Molecules in Solution. <i>Journal of Physical Chemistry A</i> , 1998, 102, 4266-4270.	1.1	25
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