

Zhaohui Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

242
papers

13,639
citations

59
h-index

109
g-index

261
ext. papers

15,375
ext. citations

9.3
avg, IF

6.83
L-index

#	Paper	IF	Citations
242	Heavy-Atom-Free Room-Temperature Phosphorescent Rylene Imide for High-Performing Organic Photovoltaics. <i>Advanced Science</i> , 2021 , e2103975	13.6	3
241	Rylene-Fullerene Hybrid an Emerging Electron Acceptor for High-Performing and Photothermal-Stable Ternary Solar Cells. <i>Small</i> , 2021 , e2104060	11	5
240	B,N-Embedded Double Hetero[7]helicenes. <i>Chinese Journal of Organic Chemistry</i> , 2021 , 41, 4844	3	0
239	Monocyclic and Dicyclic Dehydro[20]annulenes Integrated with Perylene Diimide. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 19018-19023	16.4	1
238	Cocrystallization Tailoring Multiple Radiative Decay Pathways for Amplified Spontaneous Emission. <i>Angewandte Chemie</i> , 2021 , 133, 285-293	3.6	2
237	Cocrystallization Tailoring Multiple Radiative Decay Pathways for Amplified Spontaneous Emission. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 281-289	16.4	16
236	Giant Rylene Imide-Based Electron Acceptors for Organic Photovoltaics. <i>Accounts of Chemical Research</i> , 2021 , 54, 961-975	24.3	37
235	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. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 1923-1935	7.1	10
234	Monocyclic and Dicyclic Dehydro[20]annulenes Integrated with Perylene Diimide. <i>Angewandte Chemie</i> , 2021 , 133, 19166-19171	3.6	0
233	Symmetry-Induced Orderly Assembly Achieving High-Performance Perylene Diimide-Based Nonfullerene Organic Solar Cells. <i>CCS Chemistry</i> , 2021 , 3, 78-84	7.2	18
232	Dicyanopentafulvene-fused perylene diimide and its stable radical anion. <i>Dyes and Pigments</i> , 2021 , 193, 109489	4.6	2
231	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	16.4	25
230	Electrochemical Degradation of Lignin by ROS. <i>Sustainable Chemistry</i> , 2020 , 1, 345-360	3.6	5
229	Red-emissive poly(phenylene vinylene)-derivated semiconductors with well-balanced ambipolar electrical transporting properties. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 10868-10879	7.1	14
228	Fuller-Rylenes: Paving the Way for Promising Acceptors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 29513-29519	9.5	1
227	Perylene Diimide-Embedded Double [8]Helicenes. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7092-7099	16.4	72
226	Terrylene diimide-based middle-low bandgap electron acceptors for organic photovoltaics. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 4441-4446	7.1	6

225	Fuller-Rylenes: Cross-Dimensional Molecular Carbons. <i>CCS Chemistry</i> , 2020 , 2, 271-279	7.2	14
224	Fulvalene-Embedded Perylene Diimide and Its Stable Radical Anion. <i>Angewandte Chemie</i> , 2020 , 132, 762-767	3.6	5
223	Designing a near-infrared circularly polarized luminescent dye by dissymmetric spiro-fusion. <i>Chemical Communications</i> , 2020 , 56, 912-915	5.8	12
222	Morphological Evolution of Tetrachlorinated Perylene Bisimides with Lengthy Alkyl Substituent Polycrystalline Thin Films during Reversible Phase Transitions. <i>ACS Omega</i> , 2020 , 5, 843-850	3.9	
221	Dodecatwistarene Imides with Zigzag-Twisted Conformation for Organic Electronics. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 2008-2012	16.4	14
220	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	7.9	25
219	Dodecatwistarene Imides with Zigzag-Twisted Conformation for Organic Electronics. <i>Angewandte Chemie</i> , 2020 , 132, 2024-2028	3.6	4
218	Differently Linked Perylene Bisimide Dimers with Various Twisting and Phase Structures for Nonfullerene All-Small-Molecule Organic Solar Cells. <i>ACS Omega</i> , 2020 , 5, 18449-18457	3.9	2
217	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	11.5	4
216	Chemoselective On-surface Homocoupling of Terminal Alkynes Catalyzed by Exogenous Cupric Ions. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 2627-2630	4.5	3
215	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	35.4	46
214	Fulvalene-Embedded Perylene Diimide and Its Stable Radical Anion. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 752-757	16.4	23
213	Rylene Annulated Subphthalocyanine: A Promising Cone-Shaped Non-Fullerene Acceptor for Organic Solar Cells 2019 , 1, 404-409		19
212	Effect of conjugation length on the properties of fused perylene diimides with variable isoindigos. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 12263-12269	7.1	8
211	Tuning Charge Generation Process of Rylene Imide-Based Solar Cells via Chalcogen-Atom-Annulation. <i>Chemistry of Materials</i> , 2019 , 31, 3636-3643	9.6	17
210	Integrating pyracylene and naphthalenediimides into planar structures: Synthesis and characterization. <i>Dyes and Pigments</i> , 2019 , 168, 295-299	4.6	5
209	Steering Two-Dimensional Porous Networks with π -Hole Interactions of Br π and Br π Br. <i>Chemistry of Materials</i> , 2019 , 31, 3041-3048	9.6	17
208	Corannulylene Pentapetalae. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5402-5408	16.4	63

207	Alternating Tetrafluorobenzene and Thiophene Units by Direct Arylation for Organic Electronics. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 1443-1447	4.5	6
206	Polymer Donors for High-Performance Non-Fullerene Organic Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4442-4453	16.4	270
205	Molecular Tuning of Titanium Complexes with Controllable Work Function for Efficient Organic Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 20800-20807	3.8	2
204	Bridge-Mediated Charge Separation in Isomeric N-Annulated Perylene Diimide Dimers. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12789-12796	16.4	41
203	Polymer Donors for High-Performance Non-Fullerene Organic Solar Cells. <i>Angewandte Chemie</i> , 2019 , 131, 4488-4499	3.6	25
202	Nanographene Imides Featuring Dual-Core Sixfold [5]Helicenes. <i>Angewandte Chemie</i> , 2019 , 131, 184-189	3.6	21
201	Nanographene Imides Featuring Dual-Core Sixfold [5]Helicenes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 178-183	16.4	59
200	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	15.6	70
199	Rylene annulated phthalocyanine: a fully conjugated block for the construction of a supramolecular two-dimensional framework. <i>Chemical Communications</i> , 2018 , 54, 7294-7297	5.8	6
198	Isomeric N-Annulated Perylene Diimide Dimers for Organic Solar Cells. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 918-923	4.5	16
197	Non-fullerene acceptors for organic solar cells. <i>Nature Reviews Materials</i> , 2018 , 3,	73.3	1634
196	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	21.8	31
195	The Crucial Role of Chlorinated Thiophene Orientation in Conjugated Polymers for Photovoltaic Devices. <i>Angewandte Chemie</i> , 2018 , 130, 13093-13097	3.6	4
194	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	21.8	97
193	The Crucial Role of Chlorinated Thiophene Orientation in Conjugated Polymers for Photovoltaic Devices. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 12911-12915	16.4	66
192	Hexacene Diimides. <i>Journal of the American Chemical Society</i> , 2018 , 140, 12175-12180	16.4	31
191	Electron-Transporting Bis(heterotetracenes) with Tunable Helical Packing. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10933-10937	16.4	53
190	Advances in Non-Fullerene Acceptor Based Ternary Organic Solar Cells. <i>Solar Rrl</i> , 2018 , 2, 1700158	7.1	79

189	Synthesis and Application of Rylene Imide Dyes as Organic Semiconducting Materials. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 20-30	4.5	54
188	High Efficiency Non-fullerene Organic Tandem Photovoltaics Based on Ternary Blend Subcells. <i>Nano Letters</i> , 2018 , 18, 7977-7984	11.5	25
187	Role of Synergistic C _H ⋯N and C _H ⋯O H-Bonding Interactions in Self-Assemblies of a Phthalocyanine Derivative and Several Pyridine Derivatives. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 24158-24163	3.8	5
186	Synthesis of Isomeric Perylenodithiophene Diimides. <i>Organic Letters</i> , 2018 , 20, 6606-6609	6.2	8
185	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	20.1	41
184	Synthesis and properties of isoindigo and benzo[1,2-b:4,5-b']bis[b]benzothiophene oligomers. <i>Chemical Communications</i> , 2018 , 54, 11152-11155	5.8	8
183	Near-infrared electron acceptors based on terrylene diimides for organic solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18808-18812	13	13
182	Electron-Transporting Bis(heterotetracenes) with Tunable Helical Packing. <i>Angewandte Chemie</i> , 2018 , 130, 11099-11103	3.6	18
181	An Electron Acceptor with Porphyrin and Perylene Bisimides for Efficient Non-Fullerene Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2694-2698	16.4	202
180	An Electron Acceptor with Porphyrin and Perylene Bisimides for Efficient Non-Fullerene Solar Cells. <i>Angewandte Chemie</i> , 2017 , 129, 2738-2742	3.6	21
179	Controlled formation of large-area single-crystalline TIPS-pentacene arrays through superhydrophobic micropillar flow-coating. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2702-2707	7.1	20
178	Räktitelbild: An Electron Acceptor with Porphyrin and Perylene Bisimides for Efficient Non-Fullerene Solar Cells (Angew. Chem. 10/2017). <i>Angewandte Chemie</i> , 2017 , 129, 2850-2850	3.6	
177	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	7.1	30
176	New developments in non-fullerene small molecule acceptors for polymer solar cells. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 1291-1303	7.8	175
175	Cosensitized Porphyrin System for High-Performance Solar Cells with TOF-SIMS Analysis. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 16081-16090	9.5	8
174	Rigid Nonfullerene Acceptors Based on Triptycene-Perylene Dye for Organic Solar Cells. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 1286-1290	4.5	17
173	Lateral Extension of a Benzodithiophene System: Construction of Heteroacenes Containing Various Chalcogens. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 1879-1882	4.5	13
172	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	21.8	51

171	Twisted terrylene dyes: synthesis and application in organic solar cells. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 811-816	5.2	17
170	High-Performance Porphyrin-Based Dye-Sensitized Solar Cells with Iodine and Cobalt Redox Shuttles. <i>ChemSusChem</i> , 2017 , 10, 938-945	8.3	10
169	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	9.5	38
168	Influence of alkyl chains on photovoltaic properties of 3D rylene propeller electron acceptors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 3475-3482	13	44
167	A Decatwistacene with an Overall 170° Torsion. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15373-15377	16.4	47
166	Spiro-Fused Perylene Diimide Arrays. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15914-15920	16.4	90
165	Palladium-Catalyzed Si-C Bond Formation toward Sila-Annulated Perylene Diimides. <i>Organic Letters</i> , 2017 , 19, 4331-4334	6.2	12
164	Capillary-Bridge Mediated Assembly of Conjugated Polymer Arrays toward Organic Photodetectors. <i>Advanced Functional Materials</i> , 2017 , 27, 1701347	15.6	43
163	A Decatwistacene with an Overall 170° Torsion. <i>Angewandte Chemie</i> , 2017 , 129, 15575-15579	3.6	25
162	Fluoroalkyl-modified naphthodithiophene diimides. <i>Chemical Communications</i> , 2016 , 53, 188-191	5.8	17
161	Organic cocrystals: the development of ferroelectric properties. <i>Science China Materials</i> , 2016 , 59, 523-530	5.0	25
160	A high performance three-dimensional thiophene-annulated perylene dye as an acceptor for organic solar cells. <i>Chemical Communications</i> , 2016 , 52, 11500-11503	5.8	37
159	Polycyclic aromatic hydrocarbons with orthogonal tetraimides as n-type semiconductors. <i>Chemical Communications</i> , 2016 , 52, 13209-13212	5.8	29
158	Three-Bladed Rylene Propellers with Three-Dimensional Network Assembly for Organic Electronics. <i>Journal of the American Chemical Society</i> , 2016 , 138, 10184-90	16.4	391
157	Perylene Bisimides as efficient electron transport layers in planar heterojunction perovskite solar cells. <i>Science China Chemistry</i> , 2016 , 59, 1658-1662	7.9	9
156	Surface-induced highly oriented perylo[1,12-b,c,d]selenophene thin films for high performance organic field-effect transistors. <i>Organic Electronics</i> , 2016 , 35, 186-192	3.5	9
155	Tuning charge transport from unipolar (n-type) to ambipolar in bis(naphthalene diimide) derivatives by introducing π -conjugated heterocyclic bridging moieties. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 7230-7240	7.1	20
154	Influence of alkyl chain branching point on the electron transport properties of di(perylenediimides) thin film transistors. <i>RSC Advances</i> , 2016 , 6, 55946-55952	3.7	8

153	Skin-Inspired Haptic Memory Arrays with an Electrically Reconfigurable Architecture. <i>Advanced Materials</i> , 2016 , 28, 1559-66	24	135
152	High-Mobility N-Type Organic Field-Effect Transistors of Rylene Compounds Fabricated by a Trace-Spin-Coating Technique. <i>Advanced Electronic Materials</i> , 2016 , 2, 1500430	6.4	11
151	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, 375-80	16.4	579
150	Conjugated polymer with ternary electron-deficient units for ambipolar nanowire field-effect transistors. <i>Journal of Polymer Science Part A</i> , 2016 , 54, 34-38	2.5	18
149	Surface Host-Guest Supramolecular Assemblies on Porphyrin-Based Covalent Organic Grids. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 15753-15757	3.8	16
148	P3HT:DiPBI bulk heterojunction solar cells: morphology and electronic structure probed by multiscale simulation and UV/vis spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 6217-27	3.6	14
147	Bis(peryene diimide) with DACH bridge as non-fullerene electron acceptor for organic solar cells. <i>RSC Advances</i> , 2016 , 6, 14027-14033	3.7	18
146	Epitaxially-crystallized oriented naphthalene bis(dicarboximide) morphology for significant performance improvement of electron-transporting thin-film transistors. <i>Chemical Communications</i> , 2016 , 52, 4902-5	5.8	21
145	Poly(pentacyclic lactam-alt-diketopyrrolopyrrole) for field-effect transistors and polymer solar cells processed from non-chlorinated solvents. <i>Polymer Chemistry</i> , 2016 , 7, 164-170	4.9	10
144	A Dewetting-Induced Assembly Strategy for Precisely Patterning Organic Single Crystals in OFETs. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 18978-84	9.5	16
143	Novel Air Stable Organic Radical Semiconductor of Dimers of Dithienothiophene, Single Crystals, and Field-Effect Transistors. <i>Advanced Materials</i> , 2016 , 28, 7466-71	24	33
142	Asymmetric Diketopyrrolopyrrole Conjugated Polymers for Field-Effect Transistors and Polymer Solar Cells Processed from a Nonchlorinated Solvent. <i>Advanced Materials</i> , 2016 , 28, 943-50	24	128
141	Perylene Diimide Trimers Based Bulk Heterojunction Organic Solar Cells with Efficiency over 7%. <i>Advanced Energy Materials</i> , 2016 , 6, 1600060	21.8	97
140	Hybrid Corannulene-Perylene Dyes: Facile Synthesis and Optoelectronic Properties. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 2695-2699	4.5	18
139	Synthesis and Applications of π -Extended Naphthalene Diimides. <i>Chemical Record</i> , 2016 , 16, 873-85	6.6	14
138	Highly Contorted 1,2,5-Thiadiazole-Fused Aromatics for Solution-Processed Field-Effect Transistors: Synthesis and Properties. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 2188-200	4.5	9
137	Isomeric indacenedibenzothiophenes: synthesis, photoelectric properties and ambipolar semiconductivity. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 5202-5206	7.1	16
136	Memory Arrays: Skin-Inspired Haptic Memory Arrays with an Electrically Reconfigurable Architecture (Adv. Mater. 8/2016). <i>Advanced Materials</i> , 2016 , 28, 1526-1526	24	3

135	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	13	25
134	Effect of Fluorination on Molecular Orientation of Conjugated Polymers in High Performance Field-Effect Transistors. <i>Macromolecules</i> , 2016 , 49, 6431-6438	5.5	55
133	Ternary Organic Solar Cells Based on Two Compatible Nonfullerene Acceptors with Power Conversion Efficiency >10. <i>Advanced Materials</i> , 2016 , 28, 10008-10015	24	234
132	Top-Pinning Controlled Dewetting for Fabrication of Large-Scaled Polymer Microwires and Applications in OFETs. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600111	6.4	9
131	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	13.6	72
130	Conjugated polymers with deep LUMO levels for field-effect transistors and polymer/polymer solar cells. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 8255-8261	7.1	18
129	Enhanced Efficiency in Fullerene-Free Polymer Solar Cell by Incorporating Fine-designed Donor and Acceptor Materials. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9274-80	9.5	97
128	Synthesis of nitrogen-doped monolayer graphene with high transparent and n-type electrical properties. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 6172-6177	7.1	21
127	Non-Fullerene-Acceptor-Based Bulk-Heterojunction Organic Solar Cells with Efficiency over 7. <i>Journal of the American Chemical Society</i> , 2015 , 137, 11156-62	16.4	440
126	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, 693-6	5.8	20
125	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	15.6	106
124	High Performance Polymer Nanowire Field-Effect Transistors with Distinct Molecular Orientations. <i>Advanced Materials</i> , 2015 , 27, 4963-8	24	68
123	Diaceno[a,e]pentalenes: An Excellent Molecular Platform for High-Performance Organic Semiconductors. <i>Chemistry - A European Journal</i> , 2015 , 21, 17016-22	4.8	36
122	Pyridine-bridged diketopyrrolopyrrole conjugated polymers for field-effect transistors and polymer solar cells. <i>Polymer Chemistry</i> , 2015 , 6, 4775-4783	4.9	31
121	N-Annulated perylene-based metal-free organic sensitizers for dye-sensitized solar cells. <i>Chemical Communications</i> , 2015 , 51, 4842-5	5.8	66
120	New D-A-BA organic sensitizers for efficient dye-sensitized solar cells. <i>Chemical Communications</i> , 2015 , 51, 3590-2	5.8	55
119	Toward efficient non-fullerene polymer solar cells: Selection of donor polymers. <i>Organic Electronics</i> , 2015 , 17, 295-303	3.5	40
118	Suppressed charge recombination in polymer solar cells based on perylene diimide derivative acceptors via solvent vapor annealing. <i>Organic Electronics</i> , 2015 , 18, 24-31	3.5	12

117	Synthesis and Properties of Diazapentacene Diimides. <i>Asian Journal of Organic Chemistry</i> , 2014 , 3, 114-117	117	12
116	Bay-linked perylene bisimides as promising non-fullerene acceptors for organic solar cells. <i>Chemical Communications</i> , 2014 , 50, 1024-6	5.8	262
115	Defect-controlled synthesis of graphene based nano-size electronic devices using in situ thermal treatment. <i>Organic Electronics</i> , 2014 , 15, 685-691	3.5	6
114	Cyano-substituted perylene diimides with linearly correlated LUMO levels. <i>Organic Letters</i> , 2014 , 16, 394-7	6.2	54
113	Inclusion complexes of fullerenes with flexible tetrathiafulvalene derivatives bearing four aryls through sulfur bridges. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 8071-8076	7.1	11
112	Decorating tetrathiafulvalene (TTF) with fluorinated phenyls through sulfur bridges: facile synthesis, properties, and aggregation through fluorine interactions. <i>Chemistry - A European Journal</i> , 2014 , 20, 9650-6	4.8	12
111	High performance, air stable n-type single crystal transistors based on core-tetrachlorinated perylene diimides. <i>Chemical Communications</i> , 2014 , 50, 12462-4	5.8	33
110	Laterally expanded perylene diimides with uniform branched side chains for solution-processed air stable n-channel thin film transistors. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 18098-103	9.5	14
109	Large area uniformly oriented multilayer graphene with high transparency and conducting properties derived from highly oriented polyethylene films. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 6048-6055	7.1	5
108	Tailorable aqueous dispersion of single-walled carbon nanotubes using tetrachloroperylene-based bolaamphiphiles via noncovalent modification. <i>Langmuir</i> , 2014 , 30, 8615-20	4	21
107	Tailor-made perylene arrays for high performance n-channel semiconductors. <i>Accounts of Chemical Research</i> , 2014 , 47, 3135-47	24.3	250
106	Thermally sensitive self-assembly of glucose-functionalized tetrachloro-perylene bisimides: from twisted ribbons to microplates. <i>Langmuir</i> , 2014 , 30, 11040-5	4	18
105	High-performance and tailorable pressure sensor based on ultrathin conductive polymer film. <i>Small</i> , 2014 , 10, 1466-72	11	157
104	Conjugated donor-acceptor copolymers from dicyanated naphthalene diimide. <i>Tetrahedron</i> , 2014 , 70, 6265-6270	2.4	10
103	Surface supported gold-organic hybrids: on-surface synthesis and surface directed orientation. <i>Small</i> , 2014 , 10, 1361-8	11	53
102	Selecting a donor polymer for realizing favorable morphology in efficient non-fullerene acceptor-based solar cells. <i>Small</i> , 2014 , 10, 4658-63	11	72
101	Regioselective functionalization of core-persubstituted perylene diimides. <i>Chemistry - A European Journal</i> , 2014 , 20, 5209-13	4.8	34
100	Synthesis and properties of heterocyclic acene diimides. <i>Organic Letters</i> , 2013 , 15, 682-5	6.2	48

- 99 A Ligand-free Copper-promoted Dimerization of Perylene Bisimide by Aromatic C-C Homocoupling and C-H Activation. *Asian Journal of Organic Chemistry*, **2013**, 2, 558-560 3 6
- 98 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, 12517-25 4.8 19
- 97 All-polymer solar cells based on PTACs/P3HT blends with large open-circuit voltage. *Dyes and Pigments*, **2013**, 99, 1065-1071 4.6 10
- 96 Perpendicularly entangled perylene diimides for high performance electron transport materials. *Journal of Materials Chemistry C*, **2013**, 1, 7812 7.1 12
- 95 High performance Langmuir-Schaeffer film transistors based on air stable n-type diperylene bisimide. *Organic Electronics*, **2013**, 14, 2610-2616 3.5 6
- 94 Construction of well-defined butadiynylene-linked perylene bisimide arrays via cross-coupling. *Dyes and Pigments*, **2013**, 97, 244-249 4.6 12
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