

Chang-Zhi Li

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.

149
papers

12,622
citations

57
h-index

110
g-index

161
ext. papers

14,607
ext. citations

14.3
avg, IF

6.86
L-index

#	Paper	IF	Citations
149	High-Performance Organic Solar Cells from Non-Halogenated Solvents. <i>Advanced Functional Materials</i> , 2022 , 32, 2107827	15.6	27
148	A selenophene-containing near-infrared unfused acceptor for efficient organic solar cells. <i>Chemical Engineering Journal</i> , 2022 , 429, 132298	14.7	7
147	High-Efficiency ITO-Free Organic Photovoltaics with Superior Flexibility and Up-Scalability.. <i>Advanced Materials</i> , 2022 , e2200044	24	6
146	C-H Direct Arylation: A Robust Tool to Tailor the π -Conjugation Lengths of Non-fullerene Acceptors.. <i>ChemSusChem</i> , 2022 ,	8.3	3
145	Controllable Anion Doping of Electron Acceptors for High-Efficiency Organic Solar Cells. <i>ACS Energy Letters</i> , 2022 , 7, 1764-1773	20.1	2
144	High-Performance Organic Solar Modules via the Bilayer-Merged-Annealing Assisted Blading Coating.. <i>Advanced Materials</i> , 2022 , e2110569	24	5
143	Key progresses of MOE Key Laboratory of Macromolecular Synthesis and Functionalization in 2020. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	12
142	High-performance and eco-friendly semitransparent organic solar cells for greenhouse applications. <i>Joule</i> , 2021 , 5, 945-957	27.8	49
141	Simple Non-Fused Electron Acceptors Leading to Efficient Organic Photovoltaics. <i>Angewandte Chemie</i> , 2021 , 133, 13074-13080	3.6	3
140	In Situ Investigation of the Cu/CH ₃ NH ₃ PbI ₃ Interface in Perovskite Device. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100120	4.6	5
139	Molecular insights of exceptionally photostable electron acceptors for organic photovoltaics. <i>Nature Communications</i> , 2021 , 12, 3049	17.4	23
138	Simple Non-Fused Electron Acceptors Leading to Efficient Organic Photovoltaics. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 12964-12970	16.4	56
137	Conjugated Polymers for Photon-to-Electron and Photon-to-Fuel Conversions. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 60-92	4.3	20
136	Intrinsically Chemo- and Thermostable Electron Acceptors for Efficient Organic Solar Cells. <i>Bulletin of the Chemical Society of Japan</i> , 2021 , 94, 183-190	5.1	6
135	Enhancing the Photovoltaic Performance and Moisture Stability of Perovskite Solar Cells Polyfluoroalkylated Imidazolium Additives. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 4553-4559	9.5	12
134	High-Performance Semi-Transparent Organic Photovoltaic Devices via Improving Absorbing Selectivity. <i>Advanced Energy Materials</i> , 2021 , 11, 2003408	21.8	20
133	Non-fullerene acceptor organic photovoltaics with intrinsic operational lifetimes over 30 years. <i>Nature Communications</i> , 2021 , 12, 5419	17.4	25

132	Highly efficient ITO-free organic solar cells with a column-patterned microcavity. <i>Energy and Environmental Science</i> , 2021 , 14, 3010-3018	35.4	10
131	Toward Efficient Triple-Junction Polymer Solar Cells through Rational Selection of Middle Cells. <i>ACS Energy Letters</i> , 2020 , 5, 1771-1779	20.1	13
130	Asymmetric Electron Acceptors for High-Efficiency and Low-Energy-Loss Organic Photovoltaics. <i>Advanced Materials</i> , 2020 , 32, e2001160	24	162
129	Unravelling the Mechanism of Ionic Fullerene Passivation for Efficient and Stable Methylammonium-Free Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2020 , 5, 2015-2022	20.1	29
128	Near-Infrared Electron Acceptors with Unfused Architecture for Efficient Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 16700-16706	9.5	53
127	A Reversible Structural Phase Transition by Electrochemically-Driven Ion Injection into a Conjugated Polymer. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7434-7442	16.4	36
126	High-Performance Semitransparent Organic Solar Cells with Excellent Infrared Reflection and See-Through Functions. <i>Advanced Materials</i> , 2020 , 32, e2001621	24	82
125	Over 17% efficiency ternary organic solar cells enabled by two non-fullerene acceptors working in an alloy-like model. <i>Energy and Environmental Science</i> , 2020 , 13, 635-645	35.4	462
124	New Phase for Organic Solar Cell Research: Emergence of Y-Series Electron Acceptors and Their Perspectives. <i>ACS Energy Letters</i> , 2020 , 5, 1554-1567	20.1	301
123	Doping of Organic Semiconductors with Lewis Base Anions: Mechanism, Applications and Perspectives. <i>Acta Chimica Sinica</i> , 2020 , 78, 1287	3.3	5
122	Multifunctional semitransparent organic solar cells with excellent infrared photon rejection. <i>Chinese Chemical Letters</i> , 2020 , 31, 1608-1611	8.1	20
121	High-efficiency organic solar cells with low voltage-loss of 0.46 V. <i>Chinese Chemical Letters</i> , 2020 , 31, 1991-1996	8.1	11
120	Simple Near-Infrared Electron Acceptors for Efficient Photovoltaics and Sensitive Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 39515-39523	9.5	24
119	Semitransparent Organic Solar Cells with Vivid Colors. <i>ACS Energy Letters</i> , 2020 , 5, 3115-3123	20.1	43
118	Near infrared electron acceptors with a photoresponse beyond 1000 nm for highly efficient organic solar cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 18154-18161	13	27
117	High-Efficiency Ternary Organic Solar Cells Based on the Synergized Polymeric and Small-Molecule Donors. <i>Solar Rrl</i> , 2020 , 4, 2000537	7.1	10
116	Combining Fused-Ring and Unfused-Core Electron Acceptors Enables Efficient Ternary Organic Solar Cells with Enhanced Fill Factor and Broad Compositional Tolerance. <i>Solar Rrl</i> , 2019 , 3, 1900317	7.1	24
115	Enhanced intramolecular charge transfer of unfused electron acceptors for efficient organic solar cells. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 513-519	7.8	37

114	Highly efficient prismatic perovskite solar cells. <i>Energy and Environmental Science</i> , 2019 , 12, 929-937	35.4	48
113	Highly Efficient Fullerene-Free Organic Solar Cells Operate at Near Zero Highest Occupied Molecular Orbital Offsets. <i>Journal of the American Chemical Society</i> , 2019 , 141, 3073-3082	16.4	251
112	Achieving efficient organic solar cells and broadband photodetectors via simple compositional tuning of ternary blends. <i>Nano Energy</i> , 2019 , 63, 103807	17.1	42
111	Simple non-fused electron acceptors for efficient and stable organic solar cells. <i>Nature Communications</i> , 2019 , 10, 2152	17.4	214
110	Solution-Processable Conductive Organics via Anion-Induced n-Doping and Their Applications in Organic and Perovskite Solar Cells. <i>Macromolecular Chemistry and Physics</i> , 2019 , 220, 1900084	2.6	13
109	Enhanced Light Utilization in Semitransparent Organic Photovoltaics Using an Optical Outcoupling Architecture. <i>Advanced Materials</i> , 2019 , 31, e1903173	24	64
108	Near-Infrared Nonfullerene Acceptors Based on Benzobis(thiazole) Unit for Efficient Organic Solar Cells with Low Energy Loss. <i>Small Methods</i> , 2019 , 3, 1900531	12.8	50
107	Fullerene Active Layers for n-Type Organic Electrochemical Transistors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 28138-28144	9.5	38
106	Boosting Organic/Metal Oxide Heterojunction via Conjugated Small Molecules for Efficient and Stable Nonfullerene Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2019 , 9, 1900887	21.8	30
105	Non-fullerene Acceptors with a Thieno[3,4-c]pyrrole-4,6-dione (TPD) Core for Efficient Organic Solar Cells. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2019 , 37, 1005-1014	3.5	38
104	A medium-bandgap small molecule donor compatible with both fullerene and unfused-ring nonfullerene acceptors for efficient organic solar cells. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 13396-13401	7.1	11
103	A Simple Electron Acceptor with Unfused Backbone for Polymer Solar Cells. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2019 , 35, 394-400	3.8	38
102	Tuning terminal aromatics of electron acceptors to achieve high-efficiency organic solar cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 27632-27639	13	57
101	A non-fullerene acceptor enables efficient P3HT-based organic solar cells with small voltage loss and thickness insensitivity. <i>Chinese Chemical Letters</i> , 2019 , 30, 1277-1281	8.1	19
100	Influence of Bridging Groups on the Photovoltaic Properties of Wide-Bandgap Poly(BDTP-alt-BDD)s. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 1394-1401	9.5	5
99	An Unfused-Core-Based Nonfullerene Acceptor Enables High-Efficiency Organic Solar Cells with Excellent Morphological Stability at High Temperatures. <i>Advanced Materials</i> , 2018 , 30, 1705208	24	272
98	Highly Efficient Organic Solar Cells Based on S,N-Heteroacene Non-Fullerene Acceptors. <i>Chemistry of Materials</i> , 2018 , 30, 5429-5434	9.6	158
97	Achieving high-performance thick-film perovskite solar cells with electron transporting Bingel fullerenes. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15495-15503	13	19

96	Conductive fullerene surfactants via anion doping as cathode interlayers for efficient organic and perovskite solar cells. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 2845-2851	5.2	25
95	Modulate Molecular Interaction between Hole Extraction Polymers and Lead Ions toward Hysteresis-Free and Efficient Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800090	4.6	11
94	A Near-Infrared Photoactive Morphology Modifier Leads to Significant Current Improvement and Energy Loss Mitigation for Ternary Organic Solar Cells. <i>Advanced Science</i> , 2018 , 5, 1800755	13.6	85
93	Enhanced Charge Transfer between Fullerene and Non-Fullerene Acceptors Enables Highly Efficient Ternary Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 42444-42452	9.5	49
92	Near-Infrared Electron Acceptors with Fluorinated Regioisomeric Backbone for Highly Efficient Polymer Solar Cells. <i>Advanced Materials</i> , 2018 , 30, e1803769	24	102
91	Enhanced performance of inverted non-fullerene organic solar cells through modifying zinc oxide surface with self-assembled monolayers. <i>Organic Electronics</i> , 2018 , 63, 143-148	3.5	15
90	Enhancement of intra- and inter-molecular π -conjugated effects for a non-fullerene acceptor to achieve high-efficiency organic solar cells with an extended photoresponse range and optimized morphology. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 2006-2012	7.8	33
89	Perovskite/Organic Bulk-Heterojunction Integrated Ultrasensitive Broadband Photodetectors with High Near-Infrared External Quantum Efficiency over 70. <i>Small</i> , 2018 , 14, e1802349	11	33
88	Functional Carbon Nanofibers with Semi-Embedded Titanium Oxide Particles via Electrospinning. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1800102	4.8	5
87	Revealing the effects of molecular packing on the performances of polymer solar cells based on A-D-A type non-fullerene acceptors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 12132-12141	13	80
86	High-Performance Thickness Insensitive Perovskite Solar Cells with Enhanced Moisture Stability. <i>Advanced Energy Materials</i> , 2018 , 8, 1800438	21.8	83
85	Management of perovskite intermediates for highly efficient inverted planar heterojunction perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 3193-3202	13	82
84	Recent advances in perovskite solar cells: efficiency, stability and lead-free perovskite. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 11462-11482	13	307
83	A-D-A small molecule donors based on pyrene and diketopyrrolopyrrole for organic solar cells. <i>Science China Chemistry</i> , 2017 , 60, 561-569	7.9	15
82	Energy-level modulation of non-fullerene acceptors to achieve high-efficiency polymer solar cells at a diminished energy offset. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9649-9654	13	72
81	Electron acceptors with varied linkages between perylene diimide and benzotrithiophene for efficient fullerene-free solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9396-9401	13	48
80	Molecular Engineered Hole-Extraction Materials to Enable Dopant-Free, Efficient p-i-n Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2017 , 7, 1700012	21.8	159
79	A non-fullerene electron acceptor with a spirobifluorene core and four diketopyrrolopyrrole arms end capped by 4-fluorobenzene. <i>Dyes and Pigments</i> , 2017 , 143, 217-222	4.6	13

78	Efficient and 1,8-diiodooctane-free ternary organic solar cells fabricated via nanoscale morphology tuning using small-molecule dye additive. <i>Nano Research</i> , 2017 , 10, 3765-3774	10	18
77	Highly Efficient Organic Solar Cells Consisting of Double Bulk Heterojunction Layers. <i>Advanced Materials</i> , 2017 , 29, 1606729	24	104
76	Boosting Organic Photovoltaic Performance Over 11% Efficiency With Photoconductive Fullerene Interfacial Modifier. <i>Solar Rrl</i> , 2017 , 1, 1600008	7.1	42
75	Molecular electron acceptors for efficient fullerene-free organic solar cells. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 3440-3458	3.6	101
74	Doping Versatile n-Type Organic Semiconductors via Room Temperature Solution-Processable Anionic Dopants. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 1136-1144	9.5	28
73	Efficient Organic Solar Cells with Non-Fullerene Acceptors. <i>Small</i> , 2017 , 13, 1701120	11	185
72	Donor-acceptor (D-A) terpolymers based on alkyl-DPP and t -BocDPP moieties for polymer solar cells. <i>Chinese Chemical Letters</i> , 2017 , 28, 2223-2226	8.1	6
71	Narrow bandgap semiconducting polymers for solar cells with near-infrared photo response and low energy loss. <i>Tetrahedron Letters</i> , 2017 , 58, 2975-2980	2	6
70	Organic functional materials based buffer layers for efficient perovskite solar cells. <i>Chinese Chemical Letters</i> , 2017 , 28, 503-511	8.1	21
69	Aqueous solution-processed NiOx anode buffer layers applicable for polymer solar cells. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 747-753	2.5	12
68	A non-fullerene acceptor with a fully fused backbone for efficient polymer solar cells with a high open-circuit voltage. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 14983-14987	13	87
67	Nonfullerene Tandem Organic Solar Cells with High Open-Circuit Voltage of 1.97 V. <i>Advanced Materials</i> , 2016 , 28, 9729-9734	24	98
66	Tandem Organic Solar Cells: Nonfullerene Tandem Organic Solar Cells with High Open-Circuit Voltage of 1.97 V (Adv. Mater. 44/2016). <i>Advanced Materials</i> , 2016 , 28, 9870-9870	24	2
65	Rigidifying Nonplanar Perylene Diimides by Ring Fusion Toward Geometry-Tunable Acceptors for High-Performance Fullerene-Free Solar Cells. <i>Advanced Materials</i> , 2016 , 28, 951-8	24	222
64	Highly Efficient Organic Solar Cells with Improved Vertical Donor-Acceptor Compositional Gradient Via an Inverted Off-Center Spinning Method. <i>Advanced Materials</i> , 2016 , 28, 967-74	24	240
63	A simple perylene diimide derivative with a highly twisted geometry as an electron acceptor for efficient organic solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10659-10665	13	97
62	Controlled crystallization of CH ₃ NH ₃ PbI ₃ films for perovskite solar cells by various PbI ₂ (X) complexes. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 155, 331-340	6.4	35
61	A spirobifluorene and diketopyrrolopyrrole moieties based non-fullerene acceptor for efficient and thermally stable polymer solar cells with high open-circuit voltage. <i>Energy and Environmental Science</i> , 2016 , 9, 604-610	35.4	316

60	Dopant-Free Hole-Transporting Material with a C ₃ h Symmetrical Truxene Core for Highly Efficient Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2528-31	16.4	395
59	A non-fullerene electron acceptor modified by thiophene-2-carbonitrile for solution-processed organic solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3777-3783	13	67
58	Modulate Organic-Metal Oxide Heterojunction via [1,6] Azafulleroid for Highly Efficient Organic Solar Cells. <i>Advanced Materials</i> , 2016 , 28, 7269-75	24	34
57	Fulleropyrrolidinium Iodide As an Efficient Electron Transport Layer for Air-Stable Planar Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 34612-34619	9.5	21
56	Chemical modification of AlQ ₃ to a potential electron acceptor for solution-processed organic solar cells. <i>Tetrahedron Letters</i> , 2016 , 57, 2797-2799	2	
55	Thiocyanate assisted performance enhancement of formamidinium based planar perovskite solar cells through a single one-step solution process. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9430-9436	13	97
54	Photovoltaic performance of ladder-type indacenodithieno[3,2-b]thiophene-based polymers with alkoxyphenyl side chains. <i>RSC Advances</i> , 2015 , 5, 26680-26685	3.7	7
53	A conductive liquid crystal via facile doping of an n-type benzodifurandione derivative. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 6929-6934	13	14
52	Modulation of hybrid organic perovskite photovoltaic performance by controlling the excited dynamics of fullerenes. <i>Materials Horizons</i> , 2015 , 2, 414-419	14.4	22
51	Open-Circuit Voltage Losses in Selenium-Substituted Organic Photovoltaic Devices from Increased Density of Charge-Transfer States. <i>Chemistry of Materials</i> , 2015 , 27, 6583-6591	9.6	37
50	Three-dimensional molecular donors combined with polymeric acceptors for high performance fullerene-free organic photovoltaic devices. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 22162-22169	13	28
49	Photovoltaics: A Tetraperylene Diimides Based 3D Nonfullerene Acceptor for Efficient Organic Photovoltaics (Adv. Sci. 4/2015). <i>Advanced Science</i> , 2015 , 2,	13.6	1
48	10.4% Power Conversion Efficiency of ITO-Free Organic Photovoltaics Through Enhanced Light Trapping Configuration. <i>Advanced Energy Materials</i> , 2015 , 5, 1500406	21.8	150
47	A Tetraperylene Diimides Based 3D Nonfullerene Acceptor for Efficient Organic Photovoltaics. <i>Advanced Science</i> , 2015 , 2, 1500014	13.6	73
46	Influence of Regio- and Chemoselectivity on the Properties of Fluoro-Substituted Thienothiophene and Benzodithiophene Copolymers. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7616-9	16.4	73
45	C ₆₀ as an Efficient n-Type Compact Layer in Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 2399-405	6.4	271
44	Recent progress and perspective in solution-processed Interfacial materials for efficient and stable polymer and organometal perovskite solar cells. <i>Energy and Environmental Science</i> , 2015 , 8, 1160-1189	35.4	637
43	Crystalline co-assemblies of functional fullerenes in methanol with enhanced charge transport. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2167-70	16.4	23

42	Highly Efficient Polymer Tandem Cells and Semitransparent Cells for Solar Energy. <i>Advanced Energy Materials</i> , 2014 , 4, 1301645	21.8	65
41	In situ doping and crosslinking of fullerenes to form efficient and robust electron-transporting layers for polymer solar cells. <i>Energy and Environmental Science</i> , 2014 , 7, 638-643	35.4	45
40	Tetrathienodibenzocarbazole Based Donor-Acceptor Type Wide Band-Gap Copolymers for Polymer Solar Cell Applications. <i>Macromolecules</i> , 2014 , 47, 7407-7415	5.5	17
39	Heterojunction modification for highly efficient organic-inorganic perovskite solar cells. <i>ACS Nano</i> , 2014 , 8, 12701-9	16.7	546
38	Microcavity-enhanced light-trapping for highly efficient organic parallel tandem solar cells. <i>Advanced Materials</i> , 2014 , 26, 6778-84	24	81
37	Suppressed charge recombination in inverted organic photovoltaics via enhanced charge extraction by using a conductive fullerene electron transport layer. <i>Advanced Materials</i> , 2014 , 26, 6262-7	24	198
36	Interfacial engineering of ultrathin metal film transparent electrode for flexible organic photovoltaic cells. <i>Advanced Materials</i> , 2014 , 26, 3618-23	24	159
35	Integrated molecular, interfacial, and device engineering towards high-performance non-fullerene based organic solar cells. <i>Advanced Materials</i> , 2014 , 26, 5708-14	24	366
34	The role of spin in the kinetic control of recombination in organic photovoltaics. <i>Nature</i> , 2013 , 500, 435-9	30.4	379
33	Side-Chain Effect on Cyclopentadithiophene/Fluorobenzothiadiazole-Based Low Band Gap Polymers and Their Applications for Polymer Solar Cells. <i>Macromolecules</i> , 2013 , 46, 5497-5503	5.5	89
32	A Versatile Fluoro-Containing Low-Bandgap Polymer for Efficient Semitransparent and Tandem Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2013 , 23, 5084-5090	15.6	98
31	Non-halogenated solvents for environmentally friendly processing of high-performance bulk-heterojunction polymer solar cells. <i>Energy and Environmental Science</i> , 2013 , 6, 3241	35.4	160
30	The effect of thieno[3,2-b]thiophene on the absorption, charge mobility and photovoltaic performance of diketopyrrolopyrrole-based low bandgap conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 7526	7.1	34
29	Toward High-Performance Semi-Transparent Polymer Solar Cells: Optimization of Ultra-Thin Light Absorbing Layer and Transparent Cathode Architecture. <i>Advanced Energy Materials</i> , 2013 , 3, 417-423	21.8	123
28	Doping of fullerenes via anion-induced electron transfer and its implication for surfactant facilitated high performance polymer solar cells. <i>Advanced Materials</i> , 2013 , 25, 4425-30	24	220
27	Solution-processible highly conducting fullerenes. <i>Advanced Materials</i> , 2013 , 25, 2457-61	24	113
26	High-Efficiency Polymer Solar Cells Achieved by Doping Plasmonic Metallic Nanoparticles into Dual Charge Selecting Interfacial Layers to Enhance Light Trapping. <i>Advanced Energy Materials</i> , 2013 , 3, 666-673	21.8	109
25	Foldamer-Derived Preorganized Bi- and Tri-zinc Porphyrin Tweezers for a Pentafluorobenzene-bearing Pyridine Guest: The Binding Pattern Study. <i>Chinese Journal of Chemistry</i> , 2013 , 31, 582-588	4.9	10

24	Enhanced Open-Circuit Voltage in High Performance Polymer/Fullerene Bulk-Heterojunction Solar Cells by Cathode Modification with a C60 Surfactant. <i>Advanced Energy Materials</i> , 2012 , 2, 82-86	21.8	180
23	Polymer triplet energy levels need not limit photocurrent collection in organic solar cells. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19661-8	16.4	56
22	Evaluation of structure-property relationships of solution-processible fullerene acceptors and their n-channel field-effect transistor performance. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14976		42
21	Effective interfacial layer to enhance efficiency of polymer solar cells via solution-processed fullerene-surfactants. <i>Journal of Materials Chemistry</i> , 2012 , 22, 8574		149
20	Optical design of transparent thin metal electrodes to enhance in-coupling and trapping of light in flexible polymer solar cells. <i>Advanced Materials</i> , 2012 , 24, 6362-7	24	115
19	Improved charge transport and absorption coefficient in indacenodithieno[3,2-b]thiophene-based ladder-type polymer leading to highly efficient polymer solar cells. <i>Advanced Materials</i> , 2012 , 24, 6356-61	24	319
18	Functional fullerenes for organic photovoltaics. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4161		417
17	Boosting Infrared Light Harvesting by Molecular Functionalization of Metal Oxide/Polymer Interfaces in Efficient Hybrid Solar Cells. <i>Advanced Functional Materials</i> , 2012 , 22, 2160-2166	15.6	46
16	A scalable synthesis of methano[60]fullerene and congeners by the oxidative cyclopropanation reaction of silylmethylfullerene. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8086-9	16.4	112
15	Facile synthesis of a 56-electron 1,2-dihydromethano-[60]PCBM and its application for thermally stable polymer solar cells. <i>Chemical Communications</i> , 2011 , 47, 10082-4	5.8	86
14	Regioselective synthesis of tetra(aryl)-mono(silylmethyl)[60]fullerenes and derivatization to methanofullerene compound. <i>Tetrahedron</i> , 2011 , 67, 9944-9949	2.4	16
13	Face-to-face C6F5-[60]fullerene interaction for ordering fullerene molecules and application to thin-film organic photovoltaics. <i>Chemical Communications</i> , 2010 , 46, 8582-4	5.8	46
12	Octupole-like supramolecular aggregates of conical iron fullerene complexes into a three-dimensional liquid crystalline lattice. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15514-5	16.4	39
11	Luminescent bow-tie-shaped decaaryl[60]fullerene mesogens. <i>Journal of the American Chemical Society</i> , 2009 , 131, 17058-9	16.4	44
10	Regioselective synthesis of 1,4-di(organo)[60]fullerenes through DMF-assisted monoaddition of silylmethyl Grignard reagents and subsequent alkylation reaction. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15429-36	16.4	144
9	Strong stacking between FH--N hydrogen-bonded foldamers and fullerenes: formation of supramolecular nano networks. <i>Chemistry - A European Journal</i> , 2007 , 13, 9990-8	4.8	39
8	Hydrogen Bonded Semi-Rigidified Bispyridyl-Incorporating Aryl Amide Oligomers: Efficient "C"-Styled Receptors for Aliphatic Ammoniums, a Remarkable Protonation Effect and Chiral Induction. <i>Chinese Journal of Chemistry</i> , 2007 , 25, 1417-1422	4.9	7
7	F...H... and MeO...H... Hydrogen-Bonding in the Solid States of Aromatic Amides and Hydrazides: A Comparison Study. <i>Crystal Growth and Design</i> , 2007 , 7, 1490-1496	3.5	33

6	Two-point-bound supramolecular complexes from semi-rigidified dipyridine receptors and zinc porphyrins. <i>Tetrahedron</i> , 2006 , 62, 6973-6980	2.4	13
5	Foldamer-based pyridine-fullerene tweezer receptors for enhanced binding of zinc porphyrin. <i>Tetrahedron</i> , 2006 , 62, 11054-11062	2.4	17
4	Manganese(III) acetate-mediated free radical reactions of [60]fullerene with beta-dicarbonyl compounds. <i>Organic and Biomolecular Chemistry</i> , 2004 , 2, 3464-9	3.9	37
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