Chang-Zhi Li

List of Publications by Citations

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	Recent progress and perspective in solution-processed Interfacial materials for efficient and stable polymer and organometal perovskite solar cells. *Energy and Environmental Science*, **2015**, 8, 1160-1189	35.4	637
148	Heterojunction modification for highly efficient organic-inorganic perovskite solar cells. *ACS Nano*, **2014**, 8, 12701-9	16.7	546
147	Over 17% efficiency ternary organic solar cells enabled by two non-fullerene acceptors working in an alloy-like model. *Energy and Environmental Science*, **2020**, 13, 635-645	35.4	462
146	Functional fullerenes for organic photovoltaics. *Journal of Materials Chemistry*, **2012**, 22, 4161		417
145	Dopant-Free Hole-Transporting Material with a C3h Symmetrical Truxene Core for Highly Efficient Perovskite Solar Cells. *Journal of the American Chemical Society*, **2016**, 138, 2528-31	16.4	395
144	The role of spin in the kinetic control of recombination in organic photovoltaics. *Nature*, **2013**, 500, 435-9	50.4	379
143	Integrated molecular, interfacial, and device engineering towards high-performance non-fullerene based organic solar cells. *Advanced Materials*, **2014**, 26, 5708-14	24	366
142	Improved charge transport and absorption coefficient in indacenodithieno[3,2-b]thiophene-based ladder-type polymer leading to highly efficient polymer solar cells. *Advanced Materials*, **2012**, 24, 6356-61	24	319
141	A spirobifluorene and diketopyrrolopyrrole moieties based non-fullerene acceptor for efficient and thermally stable polymer solar cells with high open-circuit voltage. *Energy and Environmental Science*, **2016**, 9, 604-610	35.4	316
140	Recent advances in perovskite solar cells: efficiency, stability and lead-free perovskite. *Journal of Materials Chemistry A*, **2017**, 5, 11462-11482	13	307
139	New Phase for Organic Solar Cell Research: Emergence of Y-Series Electron Acceptors and Their Perspectives. *ACS Energy Letters*, **2020**, 5, 1554-1567	20.1	301
138	An Unfused-Core-Based Nonfullerene Acceptor Enables High-Efficiency Organic Solar Cells with Excellent Morphological Stability at High Temperatures. *Advanced Materials*, **2018**, 30, 1705208	24	272
137	C60 as an Efficient n-Type Compact Layer in Perovskite Solar Cells. *Journal of Physical Chemistry Letters*, **2015**, 6, 2399-405	6.4	271
136	Highly Efficient Fullerene-Free Organic Solar Cells Operate at Near Zero Highest Occupied Molecular Orbital Offsets. *Journal of the American Chemical Society*, **2019**, 141, 3073-3082	16.4	251
135	Highly Efficient Organic Solar Cells with Improved Vertical Donor-Acceptor Compositional Gradient Via an Inverted Off-Center Spinning Method. *Advanced Materials*, **2016**, 28, 967-74	24	240
134	Rigidifying Nonplanar Perylene Diimides by Ring Fusion Toward Geometry-Tunable Acceptors for High-Performance Fullerene-Free Solar Cells. *Advanced Materials*, **2016**, 28, 951-8	24	222
133	Doping of fullerenes via anion-induced electron transfer and its implication for surfactant facilitated high performance polymer solar cells. *Advanced Materials*, **2013**, 25, 4425-30	24	220

132	Simple non-fused electron acceptors for efficient and stable organic solar cells. *Nature Communications*, **2019**, 10, 2152	17.4	214
131	Suppressed charge recombination in inverted organic photovoltaics via enhanced charge extraction by using a conductive fullerene electron transport layer. *Advanced Materials*, **2014**, 26, 6262-7	24	198
130	Efficient Organic Solar Cells with Non-Fullerene Acceptors. *Small*, **2017**, 13, 1701120	11	185
129	Enhanced Open-Circuit Voltage in High Performance Polymer/Fullerene Bulk-Heterojunction Solar Cells by Cathode Modification with a C60 Surfactant. *Advanced Energy Materials*, **2012**, 2, 82-86	21.8	180
128	Asymmetric Electron Acceptors for High-Efficiency and Low-Energy-Loss Organic Photovoltaics. *Advanced Materials*, **2020**, 32, e2001160	24	162
127	Non-halogenated solvents for environmentally friendly processing of high-performance bulk-heterojunction polymer solar cells. *Energy and Environmental Science*, **2013**, 6, 3241	35.4	160
126	Molecular Engineered Hole-Extraction Materials to Enable Dopant-Free, Efficient p-i-n Perovskite Solar Cells. *Advanced Energy Materials*, **2017**, 7, 1700012	21.8	159
125	Interfacial engineering of ultrathin metal film transparent electrode for flexible organic photovoltaic cells. *Advanced Materials*, **2014**, 26, 3618-23	24	159
124	Highly Efficient Organic Solar Cells Based on S,N-Heteroacene Non-Fullerene Acceptors. *Chemistry of Materials*, **2018**, 30, 5429-5434	9.6	158
123	10.4% Power Conversion Efficiency of ITO-Free Organic Photovoltaics Through Enhanced Light Trapping Configuration. *Advanced Energy Materials*, **2015**, 5, 1500406	21.8	150
122	Effective interfacial layer to enhance efficiency of polymer solar cells via solution-processed fullerene-surfactants. *Journal of Materials Chemistry*, **2012**, 22, 8574		149
121	Regioselective synthesis of 1,4-di(organo)[60]fullerenes through DMF-assisted monoaddition of silylmethyl Grignard reagents and subsequent alkylation reaction. *Journal of the American Chemical Society*, **2008**, 130, 15429-36	16.4	144
120	Toward High-Performance Semi-Transparent Polymer Solar Cells: Optimization of Ultra-Thin Light Absorbing Layer and Transparent Cathode Architecture. *Advanced Energy Materials*, **2013**, 3, 417-423	21.8	123
119	Optical design of transparent thin metal electrodes to enhance in-coupling and trapping of light in flexible polymer solar cells. *Advanced Materials*, **2012**, 24, 6362-7	24	115
118	Solution-processible highly conducting fullerenes. *Advanced Materials*, **2013**, 25, 2457-61	24	113
117	A scalable synthesis of methano[60]fullerene and congeners by the oxidative cyclopropanation reaction of silylmethylfullerene. *Journal of the American Chemical Society*, **2011**, 133, 8086-9	16.4	112
116	High-Efficiency Polymer Solar Cells Achieved by Doping Plasmonic Metallic Nanoparticles into Dual Charge Selecting Interfacial Layers to Enhance Light Trapping. *Advanced Energy Materials*, **2013**, 3, 666-673	21.8	109
115	Highly Efficient Organic Solar Cells Consisting of Double Bulk Heterojunction Layers. *Advanced Materials*, **2017**, 29, 1606729	24	104

114	Near-Infrared Electron Acceptors with Fluorinated Regioisomeric Backbone for Highly Efficient Polymer Solar Cells. *Advanced Materials*, **2018**, 30, e1803769	24	102
113	Molecular electron acceptors for efficient fullerene-free organic solar cells. *Physical Chemistry Chemical Physics*, **2017**, 19, 3440-3458	3.6	101
112	Nonfullerene Tandem Organic Solar Cells with High Open-Circuit Voltage of 1.97 V. *Advanced Materials*, **2016**, 28, 9729-9734	24	98
111	A Versatile Fluoro-Containing Low-Bandgap Polymer for Efficient Semitransparent and Tandem Polymer Solar Cells. *Advanced Functional Materials*, **2013**, 23, 5084-5090	15.6	98
110	A simple perylene diimide derivative with a highly twisted geometry as an electron acceptor for efficient organic solar cells. *Journal of Materials Chemistry A*, **2016**, 4, 10659-10665	13	97
109	Thiocyanate assisted performance enhancement of formamidinium based planar perovskite solar cells through a single one-step solution process. *Journal of Materials Chemistry A*, **2016**, 4, 9430-9436	13	97
108	Side-Chain Effect on Cyclopentadithiophene/Fluorobenzothiadiazole-Based Low Band Gap Polymers and Their Applications for Polymer Solar Cells. *Macromolecules*, **2013**, 46, 5497-5503	5.5	89
107	A non-fullerene acceptor with a fully fused backbone for efficient polymer solar cells with a high open-circuit voltage. *Journal of Materials Chemistry A*, **2016**, 4, 14983-14987	13	87
106	Facile synthesis of a 56-electron 1,2-dihydromethano-[60]PCBM and its application for thermally stable polymer solar cells. *Chemical Communications*, **2011**, 47, 10082-4	5.8	86
105	A Near-Infrared Photoactive Morphology Modifier Leads to Significant Current Improvement and Energy Loss Mitigation for Ternary Organic Solar Cells. *Advanced Science*, **2018**, 5, 1800755	13.6	85
104	High-Performance Thickness Insensitive Perovskite Solar Cells with Enhanced Moisture Stability. *Advanced Energy Materials*, **2018**, 8, 1800438	21.8	83
103	Management of perovskite intermediates for highly efficient inverted planar heterojunction perovskite solar cells. *Journal of Materials Chemistry A*, **2017**, 5, 3193-3202	13	82
102	High-Performance Semitransparent Organic Solar Cells with Excellent Infrared Reflection and See-Through Functions. *Advanced Materials*, **2020**, 32, e2001621	24	82
101	Microcavity-enhanced light-trapping for highly efficient organic parallel tandem solar cells. *Advanced Materials*, **2014**, 26, 6778-84	24	81
100	Revealing the effects of molecular packing on the performances of polymer solar cells based on A-DCDA type non-fullerene acceptors. *Journal of Materials Chemistry A*, **2018**, 6, 12132-12141	13	80
99	A Tetraperylene Diimides Based 3D Nonfullerene Acceptor for Efficient Organic Photovoltaics. *Advanced Science*, **2015**, 2, 1500014	13.6	73
98	Influence of Regio- and Chemoselectivity on the Properties of Fluoro-Substituted Thienothiophene and Benzodithiophene Copolymers. *Journal of the American Chemical Society*, **2015**, 137, 7616-9	16.4	73
97	Energy-level modulation of non-fullerene acceptors to achieve high-efficiency polymer solar cells at a diminished energy offset. *Journal of Materials Chemistry A*, **2017**, 5, 9649-9654	13	72

96	A non-fullerene electron acceptor modified by thiophene-2-carbonitrile for solution-processed organic solar cells. *Journal of Materials Chemistry A*, **2016**, 4, 3777-3783	13	67
95	Highly Efficient Polymer Tandem Cells and Semitransparent Cells for Solar Energy. *Advanced Energy Materials*, **2014**, 4, 1301645	21.8	65
94	Enhanced Light Utilization in Semitransparent Organic Photovoltaics Using an Optical Outcoupling Architecture. *Advanced Materials*, **2019**, 31, e1903173	24	64
93	Tuning terminal aromatics of electron acceptors to achieve high-efficiency organic solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 27632-27639	13	57
92	Polymer triplet energy levels need not limit photocurrent collection in organic solar cells. *Journal of the American Chemical Society*, **2012**, 134, 19661-8	16.4	56
91	Simple Non-Fused Electron Acceptors Leading to Efficient Organic Photovoltaics. *Angewandte Chemie - International Edition*, **2021**, 60, 12964-12970	16.4	56
90	Near-Infrared Electron Acceptors with Unfused Architecture for Efficient Organic Solar Cells. *ACS Applied Materials & Interfaces*, **2020**, 12, 16700-16706	9.5	53
89	Near-Infrared Nonfullerene Acceptors Based on Benzobis(thiazole) Unit for Efficient Organic Solar Cells with Low Energy Loss. *Small Methods*, **2019**, 3, 1900531	12.8	50
88	High-performance and eco-friendly semitransparent organic solar cells for greenhouse applications. *Joule*, **2021**, 5, 945-957	27.8	49
87	Enhanced Charge Transfer between Fullerene and Non-Fullerene Acceptors Enables Highly Efficient Ternary Organic Solar Cells. *ACS Applied Materials & Interfaces*, **2018**, 10, 42444-42452	9.5	49
86	Electron acceptors with varied linkages between perylene diimide and benzotrithiophene for efficient fullerene-free solar cells. *Journal of Materials Chemistry A*, **2017**, 5, 9396-9401	13	48
85	Highly efficient prismatic perovskite solar cells. *Energy and Environmental Science*, **2019**, 12, 929-937	35.4	48
84	Boosting Infrared Light Harvesting by Molecular Functionalization of Metal Oxide/Polymer Interfaces in Efficient Hybrid Solar Cells. *Advanced Functional Materials*, **2012**, 22, 2160-2166	15.6	46
83	Face-to-face C6F5-[60]fullerene interaction for ordering fullerene molecules and application to thin-film organic photovoltaics. *Chemical Communications*, **2010**, 46, 8582-4	5.8	46
82	In situ doping and crosslinking of fullerenes to form efficient and robust electron-transporting layers for polymer solar cells. *Energy and Environmental Science*, **2014**, 7, 638-643	35.4	45
81	Luminescent bow-tie-shaped decaaryl[60]fullerene mesogens. *Journal of the American Chemical Society*, **2009**, 131, 17058-9	16.4	44
80	Semitransparent Organic Solar Cells with Vivid Colors. *ACS Energy Letters*, **2020**, 5, 3115-3123	20.1	43
79	Boosting Organic Photovoltaic Performance Over 11% Efficiency With Photoconductive Fullerene Interfacial Modifier. *Solar Rrl*, **2017**, 1, 1600008	7.1	42

78	Achieving efficient organic solar cells and broadband photodetectors via simple compositional tuning of ternary blends. *Nano Energy*, **2019**, 63, 103807	17.1	42
77	Evaluation of structure□property relationships of solution-processible fullerene acceptors and their n-channel field-effect transistor performance. *Journal of Materials Chemistry*, **2012**, 22, 14976		42
76	Octupole-like supramolecular aggregates of conical iron fullerene complexes into a three-dimensional liquid crystalline lattice. *Journal of the American Chemical Society*, **2010**, 132, 15514-5	16.4	39
75	Strong stacking between FH--N hydrogen-bonded foldamers and fullerenes: formation of supramolecular nano networks. *Chemistry - A European Journal*, **2007**, 13, 9990-8	4.8	39
74	Fullerene Active Layers for n-Type Organic Electrochemical Transistors. *ACS Applied Materials & Interfaces*, **2019**, 11, 28138-28144	9.5	38
73	Non-fullerene Acceptors with a Thieno[3,4-c]pyrrole-4,6-dione (TPD) Core for Efficient Organic Solar Cells. *Chinese Journal of Polymer Science (English Edition)*, **2019**, 37, 1005-1014	3.5	38
72	A Simple Electron Acceptor with Unfused Backbone for Polymer Solar Cells. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2019**, 35, 394-400	3.8	38
71	Enhanced intramolecular charge transfer of unfused electron acceptors for efficient organic solar cells. *Materials Chemistry Frontiers*, **2019**, 3, 513-519	7.8	37
70	Open-Circuit Voltage Losses in Selenium-Substituted Organic Photovoltaic Devices from Increased Density of Charge-Transfer States. *Chemistry of Materials*, **2015**, 27, 6583-6591	9.6	37
69	Manganese(III) acetate-mediated free radical reactions of [60]fullerene with beta-dicarbonyl compounds. *Organic and Biomolecular Chemistry*, **2004**, 2, 3464-9	3.9	37
68	A Reversible Structural Phase Transition by Electrochemically-Driven Ion Injection into a Conjugated Polymer. *Journal of the American Chemical Society*, **2020**, 142, 7434-7442	16.4	36
67	Controlled crystallization of CH3NH3PbI3 films for perovskite solar cells by various PbI2(X) complexes. *Solar Energy Materials and Solar Cells*, **2016**, 155, 331-340	6.4	35
66	The effect of thieno[3,2-b]thiophene on the absorption, charge mobility and photovoltaic performance of diketopyrrolopyrrole-based low bandgap conjugated polymers. *Journal of Materials Chemistry C*, **2013**, 1, 7526	7.1	34
65	Modulate Organic-Metal Oxide Heterojunction via [1,6] Azafulleroid for Highly Efficient Organic Solar Cells. *Advanced Materials*, **2016**, 28, 7269-75	24	34
64	F□□HN and MeO□□HN Hydrogen-Bonding in the Solid States of Aromatic Amides and Hydrazides:□ A Comparison Study. *Crystal Growth and Design*, **2007**, 7, 1490-1496	3.5	33
63	Enhancement of intra- and inter-molecular □conjugated effects for a non-fullerene acceptor to achieve high-efficiency organic solar cells with an extended photoresponse range and optimized morphology. *Materials Chemistry Frontiers*, **2018**, 2, 2006-2012	7.8	33
62	Perovskite/Organic Bulk-Heterojunction Integrated Ultrasensitive Broadband Photodetectors with High Near-Infrared External Quantum Efficiency over 70. *Small*, **2018**, 14, e1802349	11	33
61	Boosting Organic□Metal Oxide Heterojunction via Conjugated Small Molecules for Efficient and Stable Nonfullerene Polymer Solar Cells. *Advanced Energy Materials*, **2019**, 9, 1900887	21.8	30

60	Unravelling the Mechanism of Ionic Fullerene Passivation for Efficient and Stable Methylammonium-Free Perovskite Solar Cells. *ACS Energy Letters*, **2020**, 5, 2015-2022	20.1	29
59	Doping Versatile n-Type Organic Semiconductors via Room Temperature Solution-Processable Anionic Dopants. *ACS Applied Materials & Interfaces*, **2017**, 9, 1136-1144	9.5	28
58	Three-dimensional molecular donors combined with polymeric acceptors for high performance fullerene-free organic photovoltaic devices. *Journal of Materials Chemistry A*, **2015**, 3, 22162-22169	13	28
57	High-Performance Organic Solar Cells from Non-Halogenated Solvents. *Advanced Functional Materials*, **2022**, 32, 2107827	15.6	27
56	Near infrared electron acceptors with a photoresponse beyond 1000 nm for highly efficient organic solar cells. *Journal of Materials Chemistry A*, **2020**, 8, 18154-18161	13	27
55	Conductive fullerene surfactants via anion doping as cathode interlayers for efficient organic and perovskite solar cells. *Organic Chemistry Frontiers*, **2018**, 5, 2845-2851	5.2	25
54	Non-fullerene acceptor organic photovoltaics with intrinsic operational lifetimes over 30 years. *Nature Communications*, **2021**, 12, 5419	17.4	25
53	Combining Fused-Ring and Unfused-Core Electron Acceptors Enables Efficient Ternary Organic Solar Cells with Enhanced Fill Factor and Broad Compositional Tolerance. *Solar Rrl*, **2019**, 3, 1900317	7.1	24
52	Simple Near-Infrared Electron Acceptors for Efficient Photovoltaics and Sensitive Photodetectors. *ACS Applied Materials & Interfaces*, **2020**, 12, 39515-39523	9.5	24
51	Crystalline co-assemblies of functional fullerenes in methanol with enhanced charge transport. *Journal of the American Chemical Society*, **2015**, 137, 2167-70	16.4	23
50	Molecular insights of exceptionally photostable electron acceptors for organic photovoltaics. *Nature Communications*, **2021**, 12, 3049	17.4	23
49	Mitigating the Lead Leakage of High-Performance Perovskite Solar Cells via In Situ Polymerized Networks. *ACS Energy Letters*,3443-3449	20.1	23
48	Modulation of hybrid organic□perovskite photovoltaic performance by controlling the excited dynamics of fullerenes. *Materials Horizons*, **2015**, 2, 414-419	14.4	22
47	Cold-Aging and Solvent Vapor Mediated Aggregation Control toward 18% Efficiency Binary Organic Solar Cells. *Advanced Energy Materials*,2102000	21.8	22
46	Organic functional materials based buffer layers for efficient perovskite solar cells. *Chinese Chemical Letters*, **2017**, 28, 503-511	8.1	21
45	Fulleropyrrolidinium Iodide As an Efficient Electron Transport Layer for Air-Stable Planar Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2016**, 8, 34612-34619	9.5	21
44	Multifunctional semitransparent organic solar cells with excellent infrared photon rejection. *Chinese Chemical Letters*, **2020**, 31, 1608-1611	8.1	20
43	Conjugated Polymers for Photon-to-Electron and Photon-to-Fuel Conversions. *ACS Applied Polymer Materials*, **2021**, 3, 60-92	4.3	20

42	High-Performance Semi-Transparent Organic Photovoltaic Devices via Improving Absorbing Selectivity. *Advanced Energy Materials*, **2021**, 11, 2003408	21.8	20
41	Achieving high-performance thick-film perovskite solar cells with electron transporting Bingel fullerenes. *Journal of Materials Chemistry A*, **2018**, 6, 15495-15503	13	19
40	A non-fullerene acceptor enables efficient P3HT-based organic solar cells with small voltage loss and thickness insensitivity. *Chinese Chemical Letters*, **2019**, 30, 1277-1281	8.1	19
39	Efficient and 1,8-diiodooctane-free ternary organic solar cells fabricated via nanoscale morphology tuning using small-molecule dye additive. *Nano Research*, **2017**, 10, 3765-3774	10	18
38	Tetrathienodibenzocarbazole Based Donor–Acceptor Type Wide Band-Gap Copolymers for Polymer Solar Cell Applications. *Macromolecules*, **2014**, 47, 7407-7415	5.5	17
37	Foldamer-based pyridine–fullerene tweezer receptors for enhanced binding of zinc porphyrin. *Tetrahedron*, **2006**, 62, 11054-11062	2.4	17
36	Regioselective synthesis of tetra(aryl)-mono(silylmethyl)[60]fullerenes and derivatization to methanofullerene compound. *Tetrahedron*, **2011**, 67, 9944-9949	2.4	16
35	A-D-A small molecule donors based on pyrene and diketopyrrolopyrrole for organic solar cells. *Science China Chemistry*, **2017**, 60, 561-569	7.9	15
34	Enhanced performance of inverted non-fullerene organic solar cells through modifying zinc oxide surface with self-assembled monolayers. *Organic Electronics*, **2018**, 63, 143-148	3.5	15
33	A conductive liquid crystal via facile doping of an n-type benzodifurandione derivative. *Journal of Materials Chemistry A*, **2015**, 3, 6929-6934	13	14
32	A non-fullerene electron acceptor with a spirobifluorene core and four diketopyrrolopyrrole arms end capped by 4-fluorobenzene. *Dyes and Pigments*, **2017**, 143, 217-222	4.6	13
31	Solution-Processable Conductive Organics via Anion-Induced n-Doping and Their Applications in Organic and Perovskite Solar Cells. *Macromolecular Chemistry and Physics*, **2019**, 220, 1900084	2.6	13
30	Toward Efficient Triple-Junction Polymer Solar Cells through Rational Selection of Middle Cells. *ACS Energy Letters*, **2020**, 5, 1771-1779	20.1	13
29	Two-point-bound supramolecular complexes from semi-rigidified dipyridine receptors and zinc porphyrins. *Tetrahedron*, **2006**, 62, 6973-6980	2.4	13
28	Aqueous solution-processed NiOx anode buffer layers applicable for polymer solar cells. *Journal of Polymer Science Part A*, **2017**, 55, 747-753	2.5	12
27	Key progresses of MOE Key Laboratory of Macromolecular Synthesis and Functionalization in 2020. *Chinese Chemical Letters*, **2021**,	8.1	12
26	Enhancing the Photovoltaic Performance and Moisture Stability of Perovskite Solar Cells Polyfluoroalkylated Imidazolium Additives. *ACS Applied Materials & Interfaces*, **2021**, 13, 4553-4559	9.5	12
25	Modulate Molecular Interaction between Hole Extraction Polymers and Lead Ions toward Hysteresis-Free and Efficient Perovskite Solar Cells. *Advanced Materials Interfaces*, **2018**, 5, 1800090	4.6	11

24	A medium-bandgap small molecule donor compatible with both fullerene and unfused-ring nonfullerene acceptors for efficient organic solar cells. *Journal of Materials Chemistry C*, **2019**, 7, 13396-13401	7.1	11
23	High-efficiency organic solar cells with low voltage-loss of 0.46 V. *Chinese Chemical Letters*, **2020**, 31, 1991-1996	8.1	11
22	Foldamer-Derived Preorganized Bi- and Tri-zinc Porphyrin Tweezers for a Pentafluorobenzene-bearing Pyridine Guest: The Binding Pattern Study. *Chinese Journal of Chemistry*, **2013**, 31, 582-588	4.9	10
21	High-Efficiency Ternary Organic Solar Cells Based on the Synergized Polymeric and Small-Molecule Donors. *Solar Rrl*, **2020**, 4, 2000537	7.1	10
20	Highly efficient ITO-free organic solar cells with a column-patterned microcavity. *Energy and Environmental Science*, **2021**, 14, 3010-3018	35.4	10
19	Photovoltaic performance of ladder-type indacenodithieno[3,2-b]thiophene-based polymers with alkoxyphenyl side chains. *RSC Advances*, **2015**, 5, 26680-26685	3.7	7
18	Hydrogen Bonded Semi-Rigidified Bispyridyl-Incorporating Aryl Amide Oligomers: Efficient "C"-Styled Receptors for Aliphatic Ammoniums, a Remarkable Protonation Effect and Chiral Induction. *Chinese Journal of Chemistry*, **2007**, 25, 1417-1422	4.9	7
17	A selenophene-containing near-infrared unfused acceptor for efficient organic solar cells. *Chemical Engineering Journal*, **2022**, 429, 132298	14.7	7
16	Donor-acceptor (D-A) terpolymers based on alkyl-DPP and t -BocDPP moieties for polymer solar cells. *Chinese Chemical Letters*, **2017**, 28, 2223-2226	8.1	6
15	Narrow bandgap semiconducting polymers for solar cells with near-infrared photo response and low energy loss. *Tetrahedron Letters*, **2017**, 58, 2975-2980	2	6
14	Intrinsically Chemo- and Thermostable Electron Acceptors for Efficient Organic Solar Cells. *Bulletin of the Chemical Society of Japan*, **2021**, 94, 183-190	5.1	6
13	High-Efficiency ITO-Free Organic Photovoltaics with Superior Flexibility and Up-Scalability.. *Advanced Materials*, **2022**, e2200044	24	6
12	Doping of Organic Semiconductors with Lewis Base Anions: Mechanism, Applications and Perspectives. *Acta Chimica Sinica*, **2020**, 78, 1287	3.3	5
11	In Situ Investigation of the Cu/CH3NH3PbI3 Interface in Perovskite Device. *Advanced Materials Interfaces*, **2021**, 8, 2100120	4.6	5
10	Influence of Bridging Groups on the Photovoltaic Properties of Wide-Bandgap Poly(BDTT-alt-BDD)s. *ACS Applied Materials & Interfaces*, **2019**, 11, 1394-1401	9.5	5
9	Non-conjugated electrolytes as thickness-insensitive interfacial layers for high-performance organic solar cells. *Journal of Materials Chemistry A*,	13	5
8	Functional Carbon Nanofibers with Semi-Embedded Titanium Oxide Particles via Electrospinning. *Macromolecular Rapid Communications*, **2018**, 39, e1800102	4.8	5
7	High-Performance Organic Solar Modules via the Bilayer-Merged-Annealing Assisted Blading Coating.. *Advanced Materials*, **2022**, e2110569	24	5

6	Simple Non-Fused Electron Acceptors Leading to Efficient Organic Photovoltaics. *Angewandte Chemie*, **2021**, 133, 13074-13080	3.6	3
5	C-H Direct Arylation: A Robust Tool to Tailor the Conjugation Lengths of Non-fullerene Acceptors.. *ChemSusChem*, **2022**,	8.3	3
4	Tandem Organic Solar Cells: Nonfullerene Tandem Organic Solar Cells with High Open-Circuit Voltage of 1.97 V (Adv. Mater. 44/2016). *Advanced Materials*, **2016**, 28, 9870-9870	24	2
3	Controllable Anion Doping of Electron Acceptors for High-Efficiency Organic Solar Cells. *ACS Energy Letters*, **2022**, 7, 1764-1773	20.1	2
2	Photovoltaics: A Tetraperylene Diimides Based 3D Nonfullerene Acceptor for Efficient Organic Photovoltaics (Adv. Sci. 4/2015). *Advanced Science*, **2015**, 2,	13.6	1
1	Chemical modification of AlQ3 to a potential electron acceptor for solution-processed organic solar cells. *Tetrahedron Letters*, **2016**, 57, 2797-2799	2	