Lie Chen

List of Publications by Year in Descending Order

151 papers	2,734 citations	29 h-index	41 g-index
159 ext. papers	3,248 ext. citations	7.8 avg, IF	5.51 L-index

#	Paper	IF	Citations
151	Compositional engineering of metal-xanthate precursors toward (Bi1−xSbx)2S3 (0 ⩽ x ⩽ 0.05) films with enhanced room temperature thermoelectric performance. *Journal of Materials Chemistry C*, **2022**, 10, 1718-1726	7.1	2
150	Quasi-three-dimensional self-doped conjugated polyelectrolytes based on a triphenylamine skeleton for non-fullerene organic solar cells. *Journal of Materials Chemistry C*, **2022**, 10, 1029-1038	7.1	0
149	Large-Area Flexible Organic Solar Cells **2022**, 405-453		0
148	Recent Advances and Prospects of Small Molecular Organic Thermoelectric Materials.. *Small*, **2022**, e2200679	13	7
147	Oligomer-assisted Photoactive Layers Enable >18% Efficiency of Organic Solar Cells.. *Angewandte Chemie - International Edition*, **2022**,	16.4	6
146	Rational Regulation of the Molecular Aggregation Enables A Facile Blade-Coating Process of Large-area All-Polymer Solar Cells with Record Efficiency.. *Small*, **2022**, e2200734	11	3
145	Layer-by-Layer and Non-halogenated Solvent Processing of Benzodithiophene-Free Simple Polymer Donors for Organic Solar Cells. *Chemical Engineering Journal*, **2022**, 136515	14.7	1
144	Printable and stable all-polymer solar cells based on non-conjugated polymer acceptors with excellent mechanical robustness. *Science China Chemistry*, **2021**, 1	7.9	8
143	N-Type Self-Doped Hyperbranched Conjugated Polyelectrolyte as Electron Transport Layer for Efficient Nonfullerene Organic Solar Cells. *ACS Applied Materials & Interfaces*, **2021**, 13, 50187-50198	8.5	5
142	Alkylsilyl Fused Ring-Based Polymer Donor for Non-Fullerene Solar Cells with Record Open Circuit Voltage and Energy Loss. *Small*, **2021**, 17, e2104451	11	2
141	Regulation of the Miscibility of the Active Layer by Random Terpolymer Acceptors to Realize High-Performance All-Polymer Solar Cells. *ACS Applied Polymer Materials*, **2021**, 3, 1923-1931	4.3	5
140	Novel High-Efficiency Polymer Acceptors via Random Ternary Copolymerization Engineering Enables All-Polymer Solar Cells with Excellent Performance and Stability. *ACS Applied Materials & Interfaces*, **2021**, 13, 17892-17901	9.5	4
139	Silicon Naphthalocyanine Tetraimides: Cathode Interlayer Materials for Highly Efficient Organic Solar Cells. *Angewandte Chemie - International Edition*, **2021**, 60, 19053-19057	16.4	12
138	Room temperature and non-halogenated solvent processed terpolymers for high-efficient polymer solar cells. *Dyes and Pigments*, **2021**, 186, 109023	4.6	1
137	A novel AIE molecule as a hole transport layer enables efficient and stable perovskite solar cells. *Chemical Communications*, **2021**, 57, 4015-4018	5.8	1
136	Narrow band-gap materials with overlapping absorption simultaneously increase the open circuit voltage and average visible transmittance of semitransparent organic solar cells. *Journal of Materials Chemistry A*, **2021**, 9, 5711-5719	13	13
135	Structural similarity induced improvement in the performance of organic solar cells based on novel terpolymer donors. *Journal of Materials Chemistry A*, **2021**, 9, 9238-9247	13	9

134	Novel polymer acceptors achieving 10.18% efficiency for all-polymer solar cells. *Journal of Energy Chemistry*, **2021**, 53, 63-68	12	15
133	Over 70% Fill Factor of All-Polymer Solar Cells Guided by the Law of Similarity and Intermiscibility. *Solar Rrl*, **2021**, 5, 2100019	7.1	5
132	Silicon Naphthalocyanine Tetraimides: Cathode Interlayer Materials for Highly Efficient Organic Solar Cells. *Angewandte Chemie*, **2021**, 133, 19201-19205	3.6	0
131	Thickness-Insensitive Anode Interface Layer for High-Efficiency Organic Solar Cells. *ACS Applied Materials & Interfaces*, **2021**, 13, 39844-39853	9.5	1
130	Modulating Chlorination Position on Polymer Donors for Highly Efficient Nonfullerene Organic Solar Cells. *Solar Rrl*, **2021**, 5, 2100510	7.1	2
129	Novel efficient accptor1-acceptor2 type copolymer donors: Vinyl induced planar geometry and high performance organic solar cells. *Chemical Engineering Journal*, **2021**, 419, 129532	14.7	4
128	Thiophene with Oligoethylene Oxide Side Chain Enables Random Terpolymer Acceptor to Achieve Efficient All-Polymer Solar Cells. *ChemElectroChem*, **2021**, 8, 3936	4.3	2
127	Novel polymer donors based on simple A1-A2 structure for non-halogen solvent-processed organic solar cells. *Dyes and Pigments*, **2021**, 196, 109817	4.6	0
126	Printable Hole Transport Layer for 1.0 cm Organic Solar Cells. *ACS Applied Materials & Interfaces*, **2020**, 12, 52028-52037	9.5	9
125	Hole transport layers for organic solar cells: recent progress and prospects. *Journal of Materials Chemistry A*, **2020**, 8, 11478-11492	13	52
124	Reducing Energy Loss and Morphology Optimization Manipulated by Molecular Geometry Engineering for Hetero-junction Organic Solar Cells. *Chinese Journal of Chemistry*, **2020**, 38, 1553-1559	4.9	6
123	The role of dipole moment in two fused-ring electron acceptor and one polymer donor based ternary organic solar cells. *Materials Chemistry Frontiers*, **2020**, 4, 1507-1518	7.8	13
122	Introducing Porphyrin Units by Random Copolymerization Into NDI-Based Acceptor for All Polymer Solar Cells. *Frontiers in Chemistry*, **2020**, 8, 310	5	3
121	Guest-oriented non-fullerene acceptors for ternary organic solar cells with over 16.0% and 22.7% efficiencies under one-sun and indoor light. *Nano Energy*, **2020**, 75, 104896	17.1	46
120	Recent progress in ternary organic solar cells based on solution-processed non-fullerene acceptors. *Journal of Materials Chemistry A*, **2020**, 8, 23096-23122	13	24
119	Wide Band Gap Photovoltaic Polymer Based on Pyrrolo[3,4-f]benzotriazole-5,7-dione (TzBI) with Ultrahigh VOC Beyond 1.25 V. *Journal of Physical Chemistry C*, **2020**, 124, 19492-19498	3.8	10
118	Isomeric Effect of Wide Bandgap Polymer Donors with High Crystallinity to Achieve Efficient Polymer Solar Cells. *Macromolecular Rapid Communications*, **2020**, 41, e2000454	4.8	4
117	"Double-Acceptor-Type" Random Conjugated Terpolymer Donors for Additive-Free Non-Fullerene Organic Solar Cells. *ACS Applied Materials & Interfaces*, **2020**, 12, 20741-20749	9.5	11

116	A Terminally Tetrafluorinated Nonfullerene Acceptor for Well-Performing Alloy Ternary Solar Cells. *Advanced Functional Materials*, **2019**, 29, 1805872	15.6	56
115	A novel alkylsilyl-fused copolymer-based non-fullerene solar cell with over 12% efficiency. *Journal of Materials Chemistry A*, **2019**, 7, 4145-4152	13	14
114	Morphological optimization by rational matching of the donor and acceptor boosts the efficiency of alkylsilyl fused ring-based polymer solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 4847-4854	13	9
113	Vertical Distribution to Optimize Active Layer Morphology for Efficient All-Polymer Solar Cells by J71 as a Compatibilizer. *Macromolecules*, **2019**, 52, 4359-4369	5.5	24
112	Introducing Fluorine and Sulfur Atoms into Quinoxaline-Based p-type Polymers To Gradually Improve the Performance of Fullerene-Free Organic Solar Cells. *ACS Macro Letters*, **2019**, 8, 743-748	6.6	65
111	Random copolymerization realized high efficient polymer solar cells with a record fill factor near 80%. *Nano Energy*, **2019**, 61, 228-235	17.1	23
110	Additive-free non-fullerene organic solar cells with random copolymers as donors over 9% power conversion efficiency. *Chinese Chemical Letters*, **2019**, 30, 1161-1167	8.1	10
109	Double Acceptor Block-Containing Copolymers with Deep HOMO Levels for Organic Solar Cells: Adjusting Carboxylate Substituent Position for Planarity. *ACS Applied Materials & Interfaces*, **2019**, 11, 15853-15860	9.5	15
108	Improvement in the Efficiency of Alkylsilyl Functionalized Copolymer for Polymer Solar Cells: Face-On Orientation Enhanced by Random Copolymerization. *Solar Rrl*, **2019**, 3, 1900122	7.1	11
107	Thick polyfluorene-based polyelectrolytes realized by regulation of conjugated backbone as cathode interface layers for efficient polymer solar cells. *Journal of Power Sources*, **2019**, 423, 26-33	8.9	6
106	A rational comparison of the effects of halogen atoms incorporated into the polymer donors on the performance of polymer solar cells. *Organic Electronics*, **2019**, 70, 86-92	3.5	10
105	Asymmetric Wide-Bandgap Polymers Simultaneously Improve the Open-Circuit Voltage and Short-Circuit Current for Organic Photovoltaics. *Macromolecular Rapid Communications*, **2019**, 40, e1800906	4.8	20
104	Non-halogenated-solvent-processed highly efficient organic solar cells with a record open circuit voltage enabled by noncovalently locked novel polymer donors. *Journal of Materials Chemistry A*, **2019**, 7, 27394-27402	13	11
103	Double acceptor block-based copolymers for efficient organic solar cells: side-chain and Ebridge engineered high open-circuit voltage and small driving force. *Polymer Chemistry*, **2019**, 10, 6227-6235	4.9	3
102	Self-assembly monolayers manipulate the power conversion processes in organic photovoltaics. *Journal of Power Sources*, **2019**, 409, 66-75	8.9	6
101	A1-A2 Type Wide Bandgap Polymers for High-Performance Polymer Solar Cells: Energy Loss and Morphology. *Solar Rrl*, **2019**, 3, 1800291	7.1	15
100	Fluorobenzotriazole (FTAZ)-Based Polymer Donor Enables Organic Solar Cells Exceeding 12% Efficiency. *Advanced Functional Materials*, **2019**, 29, 1808828	15.6	53
99	Bithiazole-based copolymer with deep HOMO level and noncovalent conformational lock for organic photovoltaics. *Organic Electronics*, **2019**, 64, 110-116	3.5	11

98	Nonhalogen Solvent-Processed Asymmetric Wide-Bandgap Polymers for Nonfullerene Organic Solar Cells with Over 10% Efficiency. *Advanced Functional Materials*, **2018**, 28, 1706517	15.6	57
97	Dye-Incorporated Polynaphthalenediimide Acceptor for Additive-Free High-Performance All-Polymer Solar Cells. *Angewandte Chemie*, **2018**, 130, 4670-4674	3.6	9
96	Dye-Incorporated Polynaphthalenediimide Acceptor for Additive-Free High-Performance All-Polymer Solar Cells. *Angewandte Chemie - International Edition*, **2018**, 57, 4580-4584	16.4	99
95	Ternary thick active layer for efficient organic solar cells. *Journal of Materials Science*, **2018**, 53, 8398-8408	4.3	5
94	Post-Treatment-Free Main Chain Donor and Side Chain Acceptor (D-s-A) Copolymer for Efficient Nonfullerene Solar Cells with a Small Voltage Loss. *Macromolecular Rapid Communications*, **2018**, 39, e1700706	4.8	11
93	Alkylsilyl Functionalized Copolymer Donor for Annealing-Free High Performance Solar Cells with over 11% Efficiency: Crystallinity Induced Small Driving Force. *Advanced Functional Materials*, **2018**, 28, 1800606	15.6	38
92	Cerium oxide as an efficient electron extraction layer for p-i-n structured perovskite solar cells. *Chemical Communications*, **2018**, 54, 471-474	5.8	44
91	A green route to a novel hyperbranched electrolyte interlayer for nonfullerene polymer solar cells with over 11% efficiency. *Chemical Communications*, **2018**, 54, 563-566	5.8	30
90	Fluorine-induced self-doping and spatial conformation in alcohol-soluble interlayers for highly-efficient polymer solar cells. *Journal of Materials Chemistry A*, **2018**, 6, 423-433	13	13
89	Regulation of the Polar Groups in n-Type Conjugated Polyelectrolytes as Electron Transfer Layer for Inverted Polymer Solar Cells. *Macromolecules*, **2018**, 51, 8197-8204	5.5	20
88	Self-doped polymer with fluorinated phenylene as hole transport layer for efficient polymer solar cells. *Organic Electronics*, **2018**, 61, 207-214	3.5	10
87	Mapping Nonfullerene Acceptors with a Novel Wide Bandgap Polymer for High Performance Polymer Solar Cells. *Advanced Energy Materials*, **2018**, 8, 1801214	21.8	40
86	Multi-Chlorine-Substituted Self-Assembled Molecules As Anode Interlayers: Tuning Surface Properties and Humidity Stability for Organic Photovoltaics. *ACS Applied Materials & Interfaces*, **2017**, 9, 9204-9212	9.5	11
85	Alternating terpolymers based on tunable Bi-donors with manipulating energy levels and molecular geometry. *Chemical Research in Chinese Universities*, **2017**, 33, 305-311	2.2	3
84	Fluorinated Reduced Graphene Oxide as an Efficient Hole-Transport Layer for Efficient and Stable Polymer Solar Cells. *ACS Omega*, **2017**, 2, 2010-2016	3.9	33
83	Room temperature processed polymers for high-efficient polymer solar cells with power conversion efficiency over 9%. *Nano Energy*, **2017**, 37, 32-39	17.1	44
82	Deformable and flexible electrospun nanofiber-supported cross-linked gel polymer electrolyte membranes for high safety lithium-ion batteries. *RSC Advances*, **2017**, 7, 22728-22734	3.7	22
81	Highly and homogeneously conductive conjugated polyelectrolyte hole transport layers for efficient organic solar cells. *Journal of Materials Chemistry A*, **2017**, 5, 14689-14696	13	24

80	n-Type conjugated electrolytes cathode interlayer with thickness-insensitivity for highly efficient organic solar cells. *Journal of Materials Chemistry A*, **2017**, 5, 13807-13816	13	30
79	Crystallization and conformation engineering of solution-processed polymer transparent electrodes with high conductivity. *Journal of Materials Chemistry C*, **2017**, 5, 382-389	7.1	27
78	Novel Copolymers Based Tetrafluorobenzene and Difluorobenzothiadiazole for Organic Solar Cells with Prominent Open Circuit Voltage and Stability. *Macromolecular Rapid Communications*, **2017**, 38, 1600556	4.8	15
77	Optimization of perovskite by 3D twisted diketopyrrolopyrrole for efficient perovskite solar cells. *Materials Chemistry Frontiers*, **2017**, 1, 1179-1184	7.8	7
76	N-type Self-Doping of Fluorinate Conjugated Polyelectrolytes for Polymer Solar Cells: Modulation of Dipole, Morphology, and Conductivity. *ACS Applied Materials & Interfaces*, **2017**, 9, 1145-1153	9.5	28
75	Non-halogenated solvent-processed single-junction polymer solar cells with 9.91% efficiency and improved photostability. *Nano Energy*, **2017**, 41, 27-34	17.1	33
74	Large-Scale Stretchable Semiembedded Copper Nanowire Transparent Conductive Films by an Electrospinning Template. *ACS Applied Materials & Interfaces*, **2017**, 9, 26468-26475	9.5	55
73	Self-assembled diblock conjugated polyelectrolytes as electron transport layers for organic photovoltaics. *RSC Advances*, **2017**, 7, 24345-24352	3.7	5
72	A homogeneous ethanedithiol doped ZnO electron transporting layer for polymer solar cells. *Journal of Materials Chemistry C*, **2016**, 4, 8738-8744	7.1	12
71	Interface-induced face-on orientation of the active layer by self-assembled diblock conjugated polyelectrolytes for efficient organic photovoltaic cells. *Journal of Materials Chemistry A*, **2016**, 4, 18478-18489	13	27
70	Amphiphilic fullerene derivative as effective interfacial layer for inverted polymer solar cells. *Organic Electronics*, **2016**, 37, 35-41	3.5	11
69	Alcohol-soluble interfacial fluorenes for inverted polymer solar cells: sequence induced spatial conformation dipole moment. *Physical Chemistry Chemical Physics*, **2016**, 18, 2219-29	3.6	7
68	Design of amphiphilic poly(vinylidene fluoride-co-hexafluoropropylene)-based gel electrolytes for high-performance lithium-ion batteries. *Ionics*, **2016**, 22, 1311-1318	2.7	7
67	Diketopyrrolopyrrole-based conjugated polymers as additives to optimize morphology for polymer solar cells. *Chinese Journal of Polymer Science (English Edition)*, **2016**, 34, 491-504	3.5	46
66	Enhancing the grain size of organic halide perovskites by sulfonate-carbon nanotube incorporation in high performance perovskite solar cells. *Chemical Communications*, **2016**, 52, 5674-7	5.8	62
65	Triple Dipole Effect from Self-Assembled Small-Molecules for High Performance Organic Photovoltaics. *Advanced Materials*, **2016**, 28, 4852-60	24	46
64	Versatile Molybdenum Isopropoxide for Efficient Mesoporous Perovskite Solar Cells: Simultaneously Optimized Morphology and Interfacial Engineering. *Journal of Physical Chemistry C*, **2016**, 120, 15089-15095	3.8	8
63	3-Dimensional ZnO/CdS nanocomposite with high mobility as an efficient electron transport layer for inverted polymer solar cells. *Physical Chemistry Chemical Physics*, **2016**, 18, 12175-82	3.6	17

62	In situ polymerization of ethylenedioxythiophene from sulfonated carbon nanotube templates: toward high efficiency ITO-free solar cells. *Journal of Materials Chemistry A*, **2016**, 4, 6645-6652	13	28
61	Polyfluorene Electrolytes Interfacial Layer for Efficient Polymer Solar Cells: Controllably Interfacial Dipoles by Regulation of Polar Groups. *ACS Applied Materials & Interfaces*, **2016**, 8, 9821-8	9.5	29
60	High-Performance Polymer Solar Cells Realized by Regulating the Surface Properties of PEDOT:PSS Interlayer from Ionic Liquids. *ACS Applied Materials & Interfaces*, **2016**, 8, 27018-27025	9.5	14
59	Counterion induced facile self-doping and tunable interfacial dipoles of small molecular electrolytes for efficient polymer solar cells. *Nano Energy*, **2016**, 27, 492-498	17.1	33
58	Crystallization and Optical Compensation by Fluorinated Rod Liquid Crystals for Ternary Organic Solar Cells. *Journal of Physical Chemistry C*, **2016**, 120, 18462-18472	3.8	8
57	Highly-efficient polymer solar cells realized by tailoring conjugated skeleton of alcohol-soluble conjugated electrolytes. *Solar Energy Materials and Solar Cells*, **2016**, 157, 644-651	6.4	3
56	Sulfonate Poly(aryl ether sulfone)-Modified PEDOT:PSS as Hole Transport Layer and Transparent Electrode for High Performance Polymer Solar Cells. *Journal of Physical Chemistry C*, **2015**, 119, 1943-1952	3.8	20
55	In Situ Formation of ZnO in Graphene: A Facile Way To Produce a Smooth and Highly Conductive Electron Transport Layer for Polymer Solar Cells. *ACS Applied Materials & Interfaces*, **2015**, 7, 16078-85	9.5	24
54	A Versatile Buffer Layer for Polymer Solar Cells: Rendering Surface Potential by Regulating Dipole. *Advanced Functional Materials*, **2015**, 25, 3164-3171	15.6	10
53	Structure Evolution of Fluorinated Conjugated Polymers Based on Benzodithiophene and Benzothiadiazole for Photovoltaics. *Journal of Physical Chemistry C*, **2015**, 119, 8038-8045	3.8	5
52	Control of the oxidation level of graphene oxide for high efficiency polymer solar cells. *RSC Advances*, **2015**, 5, 49182-49187	3.7	18
51	One-dimensional graphene nanoribbons hybridized with carbon nanotubes as cathode and anode interfacial layers for high performance solar cells. *RSC Advances*, **2015**, 5, 49614-49622	3.7	11
50	Amphiphilic fullerenes modified 1D ZnO arrayed nanorods/2D graphene hybrids as cathode buffer layers for inverted polymer solar cells. *Journal of Materials Chemistry A*, **2015**, 3, 10890-10899	13	16
49	N-Type Alcohol-Soluble Small Molecules as an Interfacial Layer for Efficient and Stable Polymer Solar Cells. *Journal of Physical Chemistry C*, **2015**, 119, 25887-25897	3.8	24
48	Alcohol-Soluble n-Type Conjugated Polyelectrolyte as Electron Transport Layer for Polymer Solar Cells. *Macromolecules*, **2015**, 48, 5578-5586	5.5	92
47	Enhanced Power-Conversion Efficiency in Inverted Bulk Heterojunction Solar Cells using Liquid-Crystal-Conjugated Polyelectrolyte Interlayer. *ACS Applied Materials & Interfaces*, **2015**, 7, 19024-33	9.5	34
46	Solution-processed small molecules based on benzodithiophene and difluorobenzothiadiazole for inverted organic solar cells. *Polymer Chemistry*, **2015**, 6, 7726-7736	4.9	13
45	High charge mobility polymers based on a new di(thiophen-2-yl)thieno[3,2-b]thiophene for transistors and solar cells. *Polymer Chemistry*, **2015**, 6, 7684-7692	4.9	7

44	Elastomers uploaded electrospun nanofibrous membrane as solid state polymer electrolytes for lithium-ion batteries. *RSC Advances*, **2015**, 5, 82960-82967	3.7	1
43	Liquid-crystalline ionic liquids modified conductive polymers as a transparent electrode for indium-free polymer solar cells. *Journal of Materials Chemistry A*, **2015**, 3, 22316-22324	13	18
42	Versatile MoS2 Nanosheets in ITO-Free and Semi-transparent Polymer Power-generating Glass. *Scientific Reports*, **2015**, 5, 12161	4.9	16
41	Low Work-function Poly(3,4-ethylenedioxylenethiophene): Poly(styrene sulfonate) as Electron-transport Layer for High-efficient and Stable Polymer Solar Cells. *Scientific Reports*, **2015**, 5, 12839	4.9	39
40	Roll-to-Roll Production of Graphene Hybrid Electrodes for High-Efficiency, Flexible Organic Photoelectronics. *Advanced Materials Interfaces*, **2015**, 2, 1500445	4.6	27
39	In Situ Photocatalytically Heterostructured ZnO-Ag Nanoparticle Composites as Effective Cathode-Modifying Layers for Air-Processed Polymer Solar Cells. *Chemistry - A European Journal*, **2015**, 21, 11899-906	4.8	6
38	Novel photovoltaic donor 1□cceptor□donor 2□cceptor terpolymers with tunable energy levels based on a difluorinated benzothiadiazole acceptor. *RSC Advances*, **2015**, 5, 12087-12093	3.7	11
37	Photovoltaic performance enhancement of P3HT/PCBM solar cells driven by incorporation of conjugated liquid crystalline rod-coil block copolymers. *Journal of Materials Chemistry C*, **2014**, 2, 3835-3845	7.1	42
36	Universal and Versatile MoO3-Based Hole Transport Layers for Efficient and Stable Polymer Solar Cells. *Journal of Physical Chemistry C*, **2014**, 118, 9930-9938	3.8	38
35	Self-assembled buffer layer from conjugated diblock copolymers with ethyleneoxide side chains for high efficiency polymer solar cells. *Journal of Materials Chemistry C*, **2014**, 2, 8054-8064	7.1	15
34	Nanostructured hybrid ZnO@CdS nanowalls grown in situ for inverted polymer solar cells. *Journal of Materials Chemistry C*, **2014**, 2, 1018-1027	7.1	47
33	Self-assembly of discotic liquid crystal decorated ZnO nanoparticles for efficient hybrid solar cells. *RSC Advances*, **2014**, 4, 3627-3632	3.7	22
32	Enhanced performance for organic bulk heterojunction solar cells by cooperative assembly of ter(ethylene oxide) pendants. *Polymer Chemistry*, **2014**, 5, 4480-4487	4.9	11
31	Solution processed and self-assembled polymerizable fullerenes/metal oxide as an interlayer for high efficient inverted polymer solar cells. *Journal of Materials Chemistry C*, **2014**, 2, 10282-10290	7.1	10
30	Optimization of the Power Conversion Efficiency of Room Temperature-Fabricated Polymer Solar Cells Utilizing Solution Processed Tungsten Oxide and Conjugated Polyelectrolyte as Electrode Interlayer. *Advanced Functional Materials*, **2014**, 24, 3986-3995	15.6	41
29	In Situ Fabricating One-Dimensional Donor□cceptor Core□hell Hybrid Nanobeams Network Driven by Self-Assembly of Diblock Copolythiophenes. *Macromolecules*, **2014**, 47, 1757-1767	5.5	12
28	Cooperative assembly of pyrene-functionalized donor/acceptor blend for ordered nanomorphology by intermolecular noncovalent □nteractions. *ACS Applied Materials & Interfaces*, **2014**, 6, 8115-23	9.5	8
27	Free Mesogen Assisted Assembly of the Star-shaped Liquid-crystalline Copolymer/Polyethylene Oxide Solid Electrolytes for Lithium Ion Batteries. *Electrochimica Acta*, **2014**, 118, 33-40	6.7	26

26	Nanostructuring compatibilizers of block copolymers for organic photovoltaics. *Polymer International*, **2014**, 63, 593-606	3.3	17
25	Vinyl-addition type norbornene copolymer containing sulfonated biphenyl pendant groups for proton exchange membranes. *Journal of Applied Polymer Science*, **2013**, 127, 2280-2289	2.9	5
24	Inter-crosslinking through both donor and acceptor with unsaturated bonds for highly efficient and stable organic solar cells. *Polymer Chemistry*, **2013**, 4, 5637	4.9	12
23	Understanding the mechanism of poly(3-hexylthiophene)-b-poly(4-vinylpyridine) as a nanostructuring compatibilizer for improving the performance of poly(3-hexylthiophene)/ZnO-based hybrid solar cells. *Journal of Materials Chemistry A*, **2013**, 1, 10881	13	12
22	Novel Donor-Acceptor Copolymers Based on Dithienosilole and Ketone Modified Thieno[3,4-b]thiophene for Photovoltaic Application. *Chinese Journal of Chemistry*, **2013**, 31, 1455-1462	4.9	7
21	Diketopyrrolopyrrole-based liquid crystalline conjugated donor–acceptor copolymers with reduced band gap for polymer solar cells. *Journal of Polymer Science Part A*, **2013**, 51, 258-266	2.5	14
20	A novel planar D-A alternating copolymer with D-A integrated structures exhibiting H-aggregate behaviors for polymer solar cells. *Journal of Polymer Science Part A*, **2013**, 51, 624-634	2.5	14
19	Donor–acceptor-integrated conjugated polymers based on carbazole[3,4-c:5,6-c]bis[1,2,5]thiadiazole with tight π-stacking for photovoltaics. *Journal of Polymer Science Part A*, **2013**, 51, 565-574	2.5	9
18	Modulation of the molecular geometry of carbazolebis(thiadiazole)-based conjugated polymers for photovoltaic applications. *Polymer Chemistry*, **2013**, 4, 2480	4.9	7
17	Self-Organized Hole Transport Layers Based on Polythiophene Diblock Copolymers for Inverted Organic Solar Cells with High Efficiency. *Chemistry of Materials*, **2013**, 25, 897-904	9.6	51
16	High efficiency of poly(3-hexylthiophene)/[6,6]-phenyl C61 butyric acid methyl ester bulk heterojunction solar cells through precrystallining of poly(3-hexylthiophene) based layer. *ACS Applied Materials & Interfaces*, **2013**, 5, 5986-93	9.5	4
15	Photovoltaics of donor–acceptor polymers based on benzodithiophene with lateral thiophenyl and fluorinated benzothiadiazole. *Journal of Polymer Science Part A*, **2013**, 51, 1506-1511	2.5	22
14	Mesogen-controlled ion channel of star-shaped hard–soft block copolymers for solid-state lithium-ion battery. *Journal of Polymer Science Part A*, **2013**, 51, 4341-4350	2.5	12
13	The effect of photocrosslinkable groups on thermal stability of bulk heterojunction solar cells based on donor–acceptor-conjugated polymers. *Journal of Polymer Science Part A*, **2013**, 51, 4156-4166	2.5	18
12	Novel phenanthrocarbazole based donor–acceptor random and alternating copolymers for photovoltaics. *Journal of Polymer Science Part A*, **2013**, 51, 4885-4893	2.5	10
11	Can morphology tailoring based on functionalized fullerene nanostructures improve the performance of organic solar cells?. *Journal of Materials Chemistry*, **2012**, 22, 18768		16
10	Integration of light-harvesting complexes into the polymer bulk heterojunction P3HT/PCBM device for efficient photovoltaic cells. *Journal of Materials Chemistry*, **2012**, 22, 7342		17
9	A Novel Thiophene Derivative-based Conjugated Polymer for Polymer Solar Cells with High Open-circuit Voltage. *Chinese Journal of Chemistry*, **2012**, 30, 2219-2224	4.9	19

8	Synthesis and properties of novel ferroelectric liquid crystalline polyacetylenes containing terphenyl mesogens with chiral groups. *Journal of Thermal Analysis and Calorimetry*, **2011**, 105, 995-1006	4.1	4
7	Enhanced Photoluminescence, Mesomorphism and Conformation of Liquid-Crystalline Conjugated Polymers with Terphenyl Mesogen Pendants. *Macromolecular Chemistry and Physics*, **2011**, 212, 24-41	2.6	12
6	Effects of substitution and terminal groups for liquid-crystallinity enhanced luminescence of disubstituted polyacetylenes carrying chromophoric terphenyl pendants. *Science China Chemistry*, **2010**, 53, 1302-1315	7.9	7
5	Photoluminescent, liquid-crystalline, and electrochemical properties of para-phenylene-based alternating conjugated copolymers. *Journal of Polymer Science Part A*, **2010**, 48, 434-442	2.5	8
4	Luminescent mesogen jacketed poly(1-alkyne) bearing lateral terphenyl with hexyloxy tail. *Journal of Polymer Science Part A*, **2010**, 48, 5679-5692	2.5	21
3	A novel type of optically active helical liquid crystalline polymers: Synthesis and characterization of poly(p-phenylene)s containing terphenyl mesogen with different terminal groups. *Journal of Polymer Science Part A*, **2009**, 47, 4723-4735	2.5	13
2	Novel Narrow Bandgap Terpolymer Donors Enables Record Performance for Semitransparent Organic Solar Cells Based on All-Narrow Bandgap Semiconductors. *Advanced Functional Materials*,2108634	15.6	11
1	Adjusting the Active Layer Morphology via an Amorphous Acceptor Solid Additive for Efficient and Stable Nonfullerene Organic Solar Cells. *Solar Rrl*,2100532	7.1	1