Feng He

List of Publications by Year in descending order

157 papers	7,887 citations	53794 45 h-index	56724 83 g-index
163 all docs	163 docs citations	163 times ranked	6395 citing authors

#	Article	IF	Citations
1	Stille Polycondensation for Synthesis of Functional Materials. Chemical Reviews, 2011, 111, 1493-1528.	47.7	647
2	Hierarchical Nanomorphologies Promote Exciton Dissociation in Polymer/Fullerene Bulk Heterojunction Solar Cells. Nano Letters, 2011, 11, 3707-3713.	9.1	415
3	Examining the Effect of the Dipole Moment on Charge Separation in Donorâ€“Acceptor Polymers for Organic Photovoltaic Applications. Journal of the American Chemical Society, 2011, 133, 20468-20475.	13.7	404
4	Modulating Benzothiadiazoleâ€Based Covalent Organic Frameworks via Halogenation for Enhanced Photocatalytic Water Splitting. Angewandte Chemie - International Edition, 2020, 59, 16902-16909.	13.8	293
5	Trifluoromethylation Enables a 3D Interpenetrated Low-Band-Gap Acceptor for Efficient Organic Solar Cells. Joule, 2020, 4, 688-700.	24.0	206
6	A Chlorinated Ï€-Conjugated Polymer Donor for Efficient Organic Solar Cells. Joule, 2018, 2, 1623-1634.	24.0	166
7	Unraveling the Microstructureâ€Related Device Stability for Polymer Solar Cells Based on Nonfullerene Smallâ€Molecular Acceptors. Advanced Materials, 2020, 32, e1908305.	21.0	161
8	Over 21% Efficiency Stable 2D Perovskite Solar Cells. Advanced Materials, 2022, 34, e2107211.	21.0	160
9	Tetrathienoanthracene-Based Copolymers for Efficient Solar Cells. Journal of the American Chemical Society, 2011, 133, 3284-3287.	13.7	156
10	Are we there yet? Design of better conjugated polymers for polymer solar cells. Journal of Materials Chemistry, 2011, 21, 18934.	6.7	156
11	17.1â€‰%â€Efficient Ecoâ€Compatible Organic Solar Cells from a Dissymmetric 3D Network Acceptor. Angewandte Chemie - International Edition, 2021, 60, 3238-3246.	13.8	156
12	An NIRâ€IIâ€Emissive Photosensitizer for Hypoxiaâ€Tolerant Photodynamic Theranostics. Advanced Materials, 2020, 32, e2003471.	21.0	150
13	Carbonâ€“Oxygenâ€Bridged Ladderâ€Type Building Blocks for Highly Efficient Nonfullerene Acceptors. Advanced Materials, 2019, 31, e1804790.	21.0	139
14	Mediating Solar Cell Performance by Controlling the Internal Dipole Change in Organic Photovoltaic Polymers. Macromolecules, 2012, 45, 6390-6395.	4.8	138
15	How Far Can Polymer Solar Cells Go? In Need of a Synergistic Approach. Journal of Physical Chemistry Letters, 2011, 2, 3102-3113.	4.6	136
16	Nanographeneâ€“Osmapentalyne Complexes as a Cathode Interlayer in Organic Solar Cells Enhance Efficiency over 18%. Advanced Materials, 2021, 33, e2101279.	21.0	129
17	Polyselenopheno[3,4-<i>b</i>]selenophene for Highly Efficient Bulk Heterojunction Solar Cells. ACS Macro Letters, 2012, 1, 361-365.	4.8	120
18	Chlorine Atom-Induced Molecular Interlocked Network in a Non-Fullerene Acceptor. ACS Applied Materials & Interfaces, 2018, 10, 39992-40000.	8.0	113

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19	Chlorination of Low-Band-Gap Polymers: Toward High-Performance Polymer Solar Cells. Chemistry of Materials, 2017, 29, 2819-2830.	6.7	112
20	Uniform two-dimensional square assemblies from conjugated block copolymers driven by Ï€â€“Ï€ interactions with controllable sizes. Nature Communications, 2018, 9, 865.	12.8	103
21	Isomer-free: Precise Positioning of Chlorine-Induced Interpenetrating Charge Transfer for Elevated Solar Conversion. IScience, 2019, 17, 302-314.	4.1	103
22	Fluorescent â€œBarcodeâ€• Multiblock Co-Micelles via the Living Self-Assembly of Di- and Triblock Copolymers with a Crystalline Core-Forming Metalloblock. Journal of the American Chemical Society, 2011, 133, 9095-9103.	13.7	102
23	Supramolecular Interactions Induced Fluorescence in Crystal:â€‰ Anomalous Emission of 2,5-Diphenyl-1,4-distyrylbenzene with All cis Double Bonds. Chemistry of Materials, 2005, 17, 1287-1289.	6.7	100
24	Self-Seeding in One Dimension: A Route to Uniform Fiber-like Nanostructures from Block Copolymers with a Crystallizable Core-Forming Block. ACS Nano, 2013, 7, 3754-3766.	14.6	98
25	Alkyl chain engineering of chlorinated acceptors for elevated solar conversion. Journal of Materials Chemistry A, 2020, 8, 8903-8912.	10.3	97
26	Chlorination: An Effective Strategy for Highâ€Performance Organic Solar Cells. Advanced Science, 2020, 7, 2000509.	11.2	92
27	Supramolecular Network Conducting the Formation of Uniaxially Oriented Molecular Crystal of Cyano Substituted Oligo(<i>p</i>-phenylene vinylene) and Its Amplified Spontaneous Emission (ASE) Behavior. Chemistry of Materials, 2008, 20, 7312-7318.	6.7	88
28	17.6%â€Efficient Quasiplanar Heterojunction Organic Solar Cells from a Chlorinated 3D Network Acceptor. Advanced Materials, 2021, 33, e2102778.	21.0	87
29	Crystal Engineering in Organic Photovoltaic Acceptors: A 3D Network Approach. Advanced Energy Materials, 2020, 10, 2002678.	19.5	86
30	Oligomeric Phenylenevinylene with Cross Dipole Arrangement and Amorphous Morphology: Enhanced Solid-State Luminescence Efficiency and Electroluminescence Performance. Advanced Materials, 2005, 17, 2710-2714.	21.0	71
31	A Benzo[1,2â€‹<i>b</i>:4,5â€‹<i>c</i>â€²]Dithiopheneâ€4,8â€Dioneâ€Based Polymer Donor Achieving an Efficiency Over 16%. Advanced Materials, 2020, 32, e1907059.	21.0	70
32	Bromination: An Alternative Strategy for Nonâ€Fullerene Small Molecule Acceptors. Advanced Science, 2020, 7, 1903784.	11.2	69
33	Diphenylamine-Substituted Cruciform Oligo(phenylene vinylene): Enhanced One- and Two-Photon Excited Fluorescence in the Solid State. Advanced Functional Materials, 2007, 17, 1551-1557.	14.9	67
34	Multiple Fused Ring-Based Near-Infrared Nonfullerene Acceptors with an Interpenetrated Charge-Transfer Network. Chemistry of Materials, 2019, 31, 1664-1671.	6.7	67
35	Modulating Benzothiadiazoleâ€Based Covalent Organic Frameworks via Halogenation for Enhanced Photocatalytic Water Splitting. Angewandte Chemie, 2020, 132, 17050-17057.	2.0	66
36	Oligomeric Acceptor: A â€œTwoâ€inâ€Oneâ€• Strategy to Bridge Small Molecules and Polymers for Stable Solar Devices. Angewandte Chemie - International Edition, 2022, 61, .	13.8	64

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37	Naphthalenothiophene imide-based polymer exhibiting over 17% efficiency. Joule, 2021, 5, 931-944.	24.0	63
38	Bromination of the Small-Molecule Acceptor with Fixed Position for High-Performance Solar Cells. Chemistry of Materials, 2019, 31, 8044-8051.	6.7	62
39	Elevated Stability and Efficiency of Solar Cells via Ordered Alloy Co-Acceptors. ACS Energy Letters, 2019, 4, 1106-1114.	17.4	62
40	Configurational Isomers Induced Significant Difference in Allâ€Polymer Solar Cells. Advanced Functional Materials, 2021, 31, 2100877.	14.9	58
41	Fine Tuning of Open-Circuit Voltage by Chlorination in Thieno[3,4-<i>b</i>]thiopheneâ€"Benzodithiophene Terpolymers toward Enhanced Solar Energy Conversion. Macromolecules, 2017, 50, 4962-4971.	4.8	55
42	Manipulating the solubility properties of polymer donors for high-performance layer-by-layer processed organic solar cells. Energy and Environmental Science, 2021, 14, 5919-5928.	30.8	55
43	Chlorination of Side Chains: A Strategy for Achieving a High Open Circuit Voltage Over 1.0 V in Benzo[1,2-b:4,5-bâ€²]dithiophene-Based Non-Fullerene Solar Cells. ACS Applied Energy Materials, 2018, 1, 2365-2372.	5.1	54
44	Design and Synthesis of Chlorinated Benzothiadiazole-Based Polymers for Efficient Solar Energy Conversion. ACS Energy Letters, 2017, 2, 753-758.	17.4	51
45	Simultaneous Increase in Open-Circuit Voltage and Efficiency of Fullerene-Free Solar Cells through Chlorinated Thieno[3,4-<i>b</i>]thiophene Polymer Donor. ACS Energy Letters, 2017, 2, 1971-1977.	17.4	51
46	H- and J-aggregation inspiring efficient solar conversion. Journal of Materials Chemistry A, 2021, 9, 1119-1126.	10.3	49
47	Synergistic effects of chlorination and a fully two-dimensional side-chain design on molecular energy level modulation toward non-fullerene photovoltaics. Journal of Materials Chemistry A, 2018, 6, 2942-2951.	10.3	42
48	Addition of alkynes and osmium carbynes towards functionalized dÏ€â€"pÏ€ conjugated systems. Nature Communications, 2020, 11, 4651.	12.8	41
49	Cruciform DPVBi: synthesis, morphology, optical and electroluminescent properties. Journal of Materials Chemistry, 2008, 18, 4802.	6.7	40
50	Multichloro-Substitution Strategy: Facing Low Photon Energy Loss in Nonfullerene Solar Cells. ACS Applied Energy Materials, 2018, 1, 6549-6559.	5.1	39
51	Rectangular Platelet Micelles with Controlled Aspect Ratio by Hierarchical Self-Assembly of Poly(3-hexylthiophene)-<i>b</i>-poly(ethylene glycol). Macromolecules, 2020, 53, 6555-6565.	4.8	39
52	Rylene Annulated Subphthalocyanine: A Promising Cone-Shaped Non-Fullerene Acceptor for Organic Solar Cells. , 2019, 1, 404-409.		38
53	3D Interpenetrating Network for High-Performance Nonfullerene Acceptors via Asymmetric Chlorine Substitution. Journal of Physical Chemistry Letters, 2019, 10, 4737-4743.	4.6	37
54	Synthesis and Self-Assembly of Fluorescent Micelles from Poly(ferrocenyldimethylsilane-b-2-vinylpyridine-b-2,5-di(2â€²-ethylhexyloxy)-1,4-phenylvinylene) Triblock Copolymer. Macromolecules, 2009, 42, 7953-7960.	4.8	36

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55	Chlorination strategy on polymer donors toward efficient solar conversions. Journal of Energy Chemistry, 2019, 39, 208-216.	12.9	36
56	White organic light-emitting devices using 2,5,2â€²,5â€²-tetrakis(4â€²-biphenylenevinyl)-biphenyl as blue light-emitting layer. Applied Physics Letters, 2004, 84, 4457-4459.	3.3	35
57	A solutionâ€processible poly(<i>p</i>â€phenylene vinylene) without alkyl substitution: Introducing the <i>cis</i>â€vinylene segments in polymer chain for improved solubility, blue emission, and high efficiency. Journal of Polymer Science Part A, 2008, 46, 5242-5250.	2.3	35
58	The antibacterial activities of MoS₂ nanosheets towards multi-drug resistant bacteria. Chemical Communications, 2021, 57, 2998-3001.	4.1	33
59	9,9â€²â€Bifluorenylideneâ€Core Perylene Diimide Acceptors for Asâ€Cast Nonâ€Fullerene Organic Solar Cells: The Isomeric Effect on Optoelectronic Properties. Chemistry - A European Journal, 2018, 24, 4149-4156.	3.3	31
60	Electronâ€Deficient and Quinoid Central Unit Engineering for Unfused Ringâ€Based A₁â€“Dâ€“A₂â€“Dâ€“A₁â€Type Acceptor Enables High Performance Nonfullerene Polymer Solar Cells with High <i>V</i>_{oc} and PCE Simultaneously. Small, 2020, 16, e1907681.	10.0	31
61	Synthesis, characteristics and luminescence properties of oligo(phenylenevinylene) dimers with a biphenyl linkage centerElectronic Supplementary Information (ESI) available: general experimental procedure, synthesis and characteristization of monomers and oligomers, and OLEDs fabrications. See http://www.rsc.org/suppdata/cc/b3/b306694k/. Chemical Communications, 2003, , 2206.	4.1	30
62	High-performance blue electroluminescence devices based on distyrylbenzene derivatives. Applied Physics Letters, 2006, 88, 263503.	3.3	30
63	The integrated adjustment of chlorine substitution and two-dimensional side chain of low band gap polymers in organic solar cells. Polymer Chemistry, 2018, 9, 940-947.	3.9	30
64	Isomerism: Minor Changes in the Bromine Substituent Positioning Lead to Notable Differences in Photovoltaic Performance. CCS Chemistry, 2021, 3, 2591-2601.	7.8	30
65	Incremental optimization in donor polymers for bulk heterojunction organic solar cells exhibiting high performance. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 1057-1070.	2.1	29
66	A chlorinated polymer promoted analogue co-donors for efficient ternary all-polymer solar cells. Science China Chemistry, 2019, 62, 238-244.	8.2	29
67	Silicon and oxygen synergistic effects for the discovery of new high-performance nonfullerene acceptors. Nature Communications, 2020, 11, 5814.	12.8	29
68	Structureâ€“Property Relationships of Precisely Chlorinated Thiopheneâ€Substituted Acceptors. Advanced Functional Materials, 2021, 31, 2106524.	14.9	29
69	Near-Infrared All-Fused-Ring Nonfullerene Acceptors Achieving an Optimal Efficiency-Cost-Stability Balance in Organic Solar Cells. CCS Chemistry, 2023, 5, 654-668.	7.8	29
70	Quasiplanar Heterojunction Allâ€Polymer Solar Cells: A Dual Approach to Stability. Advanced Functional Materials, 2022, 32, .	14.9	29
71	Bright and colour stable white polymer light-emitting diodes. Semiconductor Science and Technology, 2006, 21, L16-L19.	2.0	28
72	17.1â€‰%â€Efficient Ecoâ€Compatible Organic Solar Cells from a Dissymmetric 3D Network Acceptor. Angewandte Chemie, 2021, 133, 3275-3283.	2.0	28

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73	High-performance quasi-2D perovskite solar cells with power conversion efficiency over 20% fabricated in humidity-controlled ambient air. Chemical Engineering Journal, 2022, 427, 130949.	12.7	28
74	Sideâ€Chainâ€Tuned Molecular Packing Allows Concurrently Boosted Photoacoustic Imaging and NIRâ€II Fluorescence. Angewandte Chemie - International Edition, 2022, 61, .	13.8	28
75	Cruciform oligo(phenylenevinylene) with a bipyridine bridge: synthesis, its rhenium(i) complex and photovoltaic properties. Chemical Communications, 2008, , 3912.	4.1	27
76	Electronic Processes in Conjugated Diblock Oligomers Mimicking Low Band-Gap Polymers: Experimental and Theoretical Spectral Analysis. Journal of Physical Chemistry B, 2010, 114, 14505-14513.	2.6	27
77	An asymmetrical Aâ€"DADâ€"A-type acceptor simultaneously enhances voltage and current for efficient organic solar cells. Journal of Materials Chemistry A, 2020, 8, 9670-9676.	10.3	27
78	Over 17.5% efficiency ternary organic solar cells with enhanced photon utilization <i>via</i> a medium band gap non-fullerene acceptor. Journal of Materials Chemistry A, 2021, 9, 16418-16426.	10.3	27
79	Poly(<i>p</i>â€phenylene vinylene) Derivatives with Different Contents of <i>cis</i>â€Olefins and their Effect on the Optical Properties. Macromolecular Chemistry and Physics, 2008, 209, 1381-1388.	2.2	24
80	Three-Dimensional Spirals of Conjugated Block Copolymers Driven by Screw Dislocation. Macromolecules, 2020, 53, 3217-3223.	4.8	24
81	Precisely Controlled Two-Dimensional Rhombic Copolymer Micelles for Sensitive Flexible Tunneling Devices. CCS Chemistry, 2021, 3, 1399-1409.	7.8	23
82	Highly fluorescent anthracene derivative as a non-fullerene acceptor in OSCs with small non-radiative energy loss of 0.22Â eV and high PCEs of over 13%. Journal of Materials Chemistry A, 2019, 7, 10212-10216.	10.3	22
83	Overcoming the trade-off between Voc and Jsc: Asymmetric chloro-substituted two-dimensional benzo[1,2-b:4,5-bâ€²]dithiophene-based polymer solar cells. Dyes and Pigments, 2019, 162, 746-754.	3.7	22
84	Enhanced Photovoltaic Performance by Synergistic Effect of Chlorination and Selenophene Ï€-Bridge. Macromolecules, 2020, 53, 2893-2901.	4.8	22
85	Highly Efficient Blue Organic Light-Emitting Devices Based on Improved Guest/Host Combination. Journal of Physical Chemistry C, 2008, 112, 12024-12029.	3.1	21
86	Diketopyrrolopyrrole based A2-D-A1-D-A2 type small molecules for organic solar cells: Effects of substitution of benzene with thiophene. Dyes and Pigments, 2016, 130, 282-290.	3.7	21
87	From binary to quaternary: high-tolerance of multi-acceptors enables development of efficient polymer solar cells. Journal of Materials Chemistry A, 2019, 7, 7815-7822.	10.3	21
88	Crystallography, Packing Mode, and Aggregation State of Chlorinated Isomers for Efficient Organic Solar Cells. CCS Chemistry, 2023, 5, 1118-1129.	7.8	21
89	Hydroxyl-Terminated CuInS₂-Based Quantum Dots: Potential Cathode Interfacial Modifiers for Efficient Inverted Polymer Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 7362-7367.	8.0	20
90	Tuning the Molecular Weight of <scp>Chlorineâ€Substituted</scp> Polymer Donors for Small Energy Loss^{â€}. Chinese Journal of Chemistry, 2021, 39, 1651-1658.	4.9	20

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91	Efficient Non-Fullerene Organic Photovoltaics Printed by Electrospray via Solvent Engineering. ACS Applied Materials & Interfaces, 2020, 12, 27405-27415.	8.0	20
92	From Semi- to Full-Two-Dimensional Conjugated Side-Chain Design: A Way toward Comprehensive Solar Energy Absorption. Macromolecules, 2017, 50, 9617-9625.	4.8	19
93	Effect of the Molecular Configuration of Perylene Diimide Acceptors on Charge Transfer and Device Performance. ACS Applied Energy Materials, 2018, 1, 833-840.	5.1	19
94	Alkyl Chain End Group Engineering of Small Molecule Acceptors for Non-Fullerene Organic Solar Cells. ACS Applied Energy Materials, 2018, 1, 4724-4730.	5.1	19
95	Chlorination of Conjugated Side Chains To Enhance Intermolecular Interactions for Elevated Solar Conversion. Macromolecules, 2020, 53, 165-173.	4.8	19
96	Synergistic Effect of Alkyl Chain and Chlorination Engineering on High-Performance Nonfullerene Acceptors. ACS Applied Materials & Interfaces, 2020, 12, 28329-28336.	8.0	19
97	Naphthalenothiophene Imide-Based Polymer Donor for High-Performance Polymer Solar Cells. Chemistry of Materials, 2021, 33, 1976-1982.	6.7	19
98	Highly Efficient All-Polymer Solar Cells from a Dithieno[3,2-<i>f</i>:2â€²,3â€²-<i>h</i>]quinoxaline-Based Wide Band Gap Donor. Macromolecules, 2021, 54, 11468-11477.	4.8	19
99	Thermal Cycloaddition Facilitated by Orthogonal Ï€â€“Ï€ Organization through Conformational Transfer in a Swivel-Cruciform Oligo(phenylenevinylene). Angewandte Chemie - International Edition, 2007, 46, 3245-3248.	13.8	18
100	Chemistry and materials based on 5,5â€²-bibenzo[c][1,2,5]thiadiazole. Chemical Communications, 2013, 49, 5730.	4.1	18
101	Isomeric effects of chlorinated end groups on efficient solar conversion. Journal of Materials Chemistry A, 2020, 8, 23955-23964.	10.3	18
102	Chlorinated Benzo[1,2â€b:4,5â€câ€²]dithiopheneâ€4,8â€dione Polymer Donor: A Small Atom Makes a Big Difference. Advanced Science, 2021, 8, 2003641.	11.2	18
103	Selenium-containing two-dimensional conjugated fused-ring electron acceptors for enhanced crystal packing, charge transport, and photovoltaic performance. Journal of Materials Chemistry A, 2021, 9, 15665-15677.	10.3	18
104	Effects of Halogenated End Groups on the Performance of Nonfullerene Acceptors. ACS Applied Materials & Interfaces, 2021, 13, 6147-6155.	8.0	18
105	Using Chlorine Atoms to Fine-Tune the Intermolecular Packing and Energy Levels of Efficient Nonfullerene Acceptors. ACS Applied Energy Materials, 2019, 2, 7663-7669.	5.1	17
106	Optimized bicontinuous interpenetrating network morphology formed by gradual chlorination to boost photovoltaic performance. Chemical Engineering Journal, 2022, 437, 135198.	12.7	17
107	A novel amorphous oligo(phenylenevinylene) dimer with a biphenyl linkage center and fluorene end groups for electroluminescent devices. Journal of Materials Chemistry, 2004, 14, 2735.	6.7	16
108	Carbonâ€“oxygen-bridged hexacyclic non-fullerene acceptors with chlorinated end groups. Materials Chemistry Frontiers, 2019, 3, 1859-1865.	5.9	16

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109	Synergistic Effect of Chlorination and Selenophene: Achieving Elevated Solar Conversion in Highly Aggregated Systems. Macromolecules, 2019, 52, 2393-2401.	4.8	16
110	Formation of Hierarchical Architectures with Dimensional and Morphological Control in the Selfâ€Assembly of Conjugated Block Copolymers. Small Methods, 2020, 4, 1900470.	8.6	16
111	Stable water-dispersed organic nanoparticles: preparation, optical properties, and cell imaging application. Nanoscale, 2011, 3, 2261.	5.6	15
112	Carrier Dynamics and Morphology Regulated by 1,8-Diiodooctane in Chlorinated Nonfullerene Polymer Solar Cells. Journal of Physical Chemistry Letters, 2019, 10, 936-942.	4.6	15
113	Transformation from Rod-Like to Diamond-Like Micelles by Thermally Induced Nucleation Self-Assembly. Macromolecules, 2021, 54, 5278-5285.	4.8	14
114	NMR signal assignment of <i>cis</i>/<i>trans</i>â€conformational segments in MEHâ€CNâ€PPV. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 1105-1113.	2.1	13
115	Thiophene-Fused Perylenediimide-Based Polymer Acceptors for High-Performance All-Polymer Solar Cells. Macromolecules, 2021, 54, 1499-1506.	4.8	13
116	Reducing steric hindrance around electronegative atom in polymer simultaneously enhanced efficiency and stability of organic solar cells. Nano Energy, 2022, 101, 107611.	16.0	13
117	Conjugated polymers based on metalla-aromatic building blocks. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	12
118	Highly efficient blue organic light-emitting devices using oligo(phenylenevinylene) dimers as an emitting layer. Semiconductor Science and Technology, 2004, 19, L78-L80.	2.0	11
119	Over 7% photovoltaic efficiency of a semicrystalline donor-acceptor polymer synthesized via direct arylation polymerization. Dyes and Pigments, 2018, 158, 183-187.	3.7	10
120	Push or Pull Electrons: Acetoxy and Carbomethoxy-Substituted Isomerisms in Organic Solar Cell Acceptors. Journal of Physical Chemistry Letters, 2021, 12, 4666-4673.	4.6	10
121	End-Group Modifications with Bromine and Methyl in Nonfullerene Acceptors: The Effect of Isomerism. ACS Applied Materials & Interfaces, 2021, 13, 29737-29745.	8.0	10
122	Chlorinated polymer solar cells simultaneously enhanced by fullerene and non-fullerene ternary strategies. Journal of Energy Chemistry, 2021, 54, 620-625.	12.9	9
123	Chlorinated Random Terpolymers with Efficient Solar Conversion and Low Batch-to-Batch Variation. ACS Applied Polymer Materials, 2021, 3, 14-22.	4.4	9
124	Ternary organic solar cells with PCEs of up to 16.6% by two complementary acceptors working in alloy-like model. Organic Electronics, 2021, 91, 106085.	2.6	9
125	Recent Advances of Chlorination in Organic Solar Cells. Synlett, 2021, 32, 1297-1302.	1.8	9
126	Enhancement of All-Polymer Solar Cells by Addition of a Chlorinated Polymer and Formation of an Energy Cascade in a Nonhalogenated Solvent. ACS Applied Materials & Interfaces, 2021, 13, 58754-58762.	8.0	9

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127	Efficient blue organic light-emitting devices based on oligo(phenylenevinylene). Applied Physics Letters, 2006, 88, 223508.	3.3	7
128	Direct arylation polymerization toward efficient synthesis of benzo[1,2â€c:4,5â€c'] dithiopheneâ€4,8â€dione based donorâ€acceptor alternating copolymers for organic optoelectronic applications. Journal of Polymer Science Part A, 2018, 56, 2554-2564.	2.3	7
129	Highly stable and bright fluorescent chlorinated polymer dots for cellular imaging. New Journal of Chemistry, 2019, 43, 2540-2549.	2.8	7
130	Inky flower-like supermicelles assembled from Ï€-conjugated block copolymers. Polymer Chemistry, 2020, 11, 61-67.	3.9	7
131	Chlorination <i>vs.</i> fluorination: a study of halogenated benzo[<i>c</i>][1,2,5]thiadiazole-based organic semiconducting dots for near-infrared cellular imaging. New Journal of Chemistry, 2020, 44, 7740-7748.	2.8	7
132	Aggregation of Small Molecule and Polymer Acceptors with 2D-Fused Backbones in Organic Solar Cells. Macromolecules, 2022, 55, 3353-3360.	4.8	7
133	Efficient and Stable Quasiplanar Heterojunction Solar Cells with an Acetoxy-Substituted Wide-Bandgap Polymer. , 2022, 4, 1322-1331.		7
134	Twisted PPV copolymers with efficient blue light emitting. Synthetic Metals, 2003, 135-136, 209-210.	3.9	6
135	Blue and white organic light-emitting devices using oligo(phenylenvinylene) as a blue emitter. Semiconductor Science and Technology, 2007, 22, 214-217.	2.0	5
136	Influence of the positions of thiophenes and side chains on diketopyrrolopyrrole based narrow band-gap small molecules for organic solar cells. Dyes and Pigments, 2016, 133, 100-108.	3.7	5
137	Theoretical study of 2,5-diphenyl-1,4-distyrylbenzene (A model compound of PPV): A comparison of the electronic structure and photophysical properties of cis- and trans-isomers. Chemical Physics, 2008, 345, 23-31.	1.9	4
138	The cis- and trans-orientation of benzo[1,2-b:4,5-bâ€²]dithiophene-based isomers in organic solar cells. Materials Chemistry Frontiers, 2021, 5, 1486-1494.	5.9	4
139	Ladder-Type Thienoacenaphthopyrazine-Based Molecules: Synthesis, Properties, and Application to Construct High-Performance Polymer for Organic Solar Cells. CCS Chemistry, 2023, 5, 1318-1331.	7.8	4
140	Regulating the optoelectronic properties of small molecule donors with multiple alternative electron-donor and acceptor units for organic solar cells. Journal of Materials Chemistry A, 2018, 6, 8101-8108.	10.3	3
141	Hierarchical Chiral Supramolecular Nanoarchitectonics with Molecular Detection: Helical Structure Controls upon Selfâ€Assembly and Coassembly. Macromolecular Rapid Communications, 2022, 43, e2100690.	3.9	3
142	Isomeric Nonfullerene Acceptors: Planar Conformation Leading to a Higher Efficiency. ACS Applied Energy Materials, 2022, 5, 4556-4563.	5.1	3
143	Ternary strategy: An analogue as third component reduces the energy loss and improves the efficiency of polymer solar cells. Journal of Energy Chemistry, 2022, 70, 67-73.	12.9	3
144	Blue electroluminescent devices based on a trimeric phenylenvinylene derivative as emitting layer. Thin Solid Films, 2005, 492, 275-278.	1.8	2

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145	Small-molecular white organic light-emitting devices employing 2, 5, 2â€², 5â€²-tetra (p-trifluoromethylstyryl)-biphenyl as single-emitting component. Optical and Quantum Electronics, 2008, 40, 57-63.	3.3	2
146	Theoretical Studies on the Oneâ€•and Twoâ€Photon Absorption Properties of Doubleâ€bis(styryl)benzene Derivatives. Chinese Journal of Chemistry, 2008, 26, 77-84.	4.9	2
147	The application of single crystal diffraction technique in organic solar cells. Chinese Science Bulletin, 2021, 66, 3286-3298.	0.7	2
148	Sideâ€Chainâ€Tuned Molecular Packing Allows Concurrently Boosted Photoacoustic Imaging and NIRâ€II Fluorescence. Angewandte Chemie, 0, , .	2.0	2
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150	Bromination: Bromination: An Alternative Strategy for Nonâ€Fullerene Small Molecule Acceptors (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 T	11.2	1
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