

Pei Jian

List of Publications by Year in descending order

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193
papers

13,309
citations

22099

59
h-index

24915

109
g-index

199
all docs

199
docs citations

199
times ranked

10824
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Alkyl Chain Branching Positions on the Hole Mobilities of Polymer Thin-Film Transistors. <i>Advanced Materials</i> , 2012, 24, 6457-6461.	11.1	542
2	High-Performance Air-Stable Organic Field-Effect Transistors: Isoindigo-Based Conjugated Polymers. <i>Journal of the American Chemical Society</i> , 2011, 133, 6099-6101.	6.6	442
3	Roles of Flexible Chains in Organic Semiconducting Materials. <i>Chemistry of Materials</i> , 2014, 26, 594-603.	3.2	436
4	BN Heterosuperbenzenes: Synthesis and Properties. <i>Chemistry - A European Journal</i> , 2015, 21, 3528-3539.	1.7	379
5	Design, Synthesis, and Structure-Property Relationships of Isoindigo-Based Conjugated Polymers. <i>Accounts of Chemical Research</i> , 2014, 47, 1117-1126.	7.6	370
6	Highly stable organic polymer field-effect transistor sensor for selective detection in the marine environment. <i>Nature Communications</i> , 2014, 5, 2954.	5.8	362
7	Toward High Performance <i>n</i> -Type Thermoelectric Materials by Rational Modification of BDPPV Backbones. <i>Journal of the American Chemical Society</i> , 2015, 137, 6979-6982.	6.6	345
8	Ambipolar Polymer Field-Effect Transistors Based on Fluorinated Isoindigo: High Performance and Improved Ambient Stability. <i>Journal of the American Chemical Society</i> , 2012, 134, 20025-20028.	6.6	316
9	Conformation Locked Strong Electron-Deficient Poly(<i>p</i> -Phenylene Vinylene) Derivatives for Ambient-Stable <i>n</i> -Type Field-Effect Transistors: Synthesis, Properties, and Effects of Fluorine Substitution Position. <i>Journal of the American Chemical Society</i> , 2014, 136, 2135-2141.	6.6	300
10	Systematic Investigation of Isoindigo-Based Polymeric Field-Effect Transistors: Design Strategy and Impact of Polymer Symmetry and Backbone Curvature. <i>Chemistry of Materials</i> , 2012, 24, 1762-1770.	3.2	283
11	Electron-Deficient Poly(<i>p</i> -phenylene vinylene) Provides Electron Mobility over $1 \text{ cm}^2 \text{ V}^{-1} \text{ s}^{-1}$ under Ambient Conditions. <i>Journal of the American Chemical Society</i> , 2013, 135, 12168-12171.	6.6	280
12	A Straightforward Strategy toward Large BN-Embedded π -Systems: Synthesis, Structure, and Optoelectronic Properties of Extended BN Heterosuperbenzenes. <i>Journal of the American Chemical Society</i> , 2014, 136, 3764-3767.	6.6	273
13	Control of π - π Stacking via Crystal Engineering in Organic Conjugated Small Molecule Crystals. <i>Crystal Growth and Design</i> , 2018, 18, 7-15.	1.4	247
14	Azaborine Compounds for Organic Field-Effect Transistors: Efficient Synthesis, Remarkable Stability, and BN Dipole Interactions. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3117-3120.	7.2	245
15	Towards rational design of organic electron acceptors for photovoltaics: a study based on perylene diimide derivatives. <i>Chemical Science</i> , 2013, 4, 4389.	3.7	242
16	Fine-Tuning of Crystal Packing and Charge Transport Properties of BDOPV Derivatives through Fluorine Substitution. <i>Journal of the American Chemical Society</i> , 2015, 137, 15947-15956.	6.6	224
17	Highly Efficient NIR-II Photothermal Conversion Based on an Organic Conjugated Polymer. <i>Chemistry of Materials</i> , 2017, 29, 718-725.	3.2	217
18	Star-Shaped Polycyclic Aromatics Based on Oligothiophene-Functionalized Truxene: Synthesis, Properties, and Facile Emissive Wavelength Tuning. <i>Journal of the American Chemical Society</i> , 2003, 125, 9944-9945.	6.6	197

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19	Second Near-Infrared Conjugated Polymer Nanoparticles for Photoacoustic Imaging and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7919-7926.	4.0	188
20	A BDOPV-Based Donor-Acceptor Polymer for High-Performance n-Type and Oxygen-Doped Ambipolar Field-Effect Transistors. <i>Advanced Materials</i> , 2013, 25, 6589-6593.	11.1	172
21	Strategies To Enhance the Conductivity of n-Type Polymer Thermoelectric Materials. <i>Chemistry of Materials</i> , 2019, 31, 6412-6423.	3.2	170
22	Enhancing the n-Type Conductivity and Thermoelectric Performance of Donor-Acceptor Copolymers through Donor Engineering. <i>Advanced Materials</i> , 2018, 30, e1802850.	11.1	169
23	Strong Electron-Deficient Polymers Lead to High Electron Mobility in Air and Their Morphology-Dependent Transport Behaviors. <i>Advanced Materials</i> , 2016, 28, 7213-7219.	11.1	168
24	A Non-Fullerene Small Molecule as Efficient Electron Acceptor in Organic Bulk Heterojunction Solar Cells. <i>Advanced Materials</i> , 2012, 24, 957-961.	11.1	161
25	Electrospun Nanofibrous Film Doped with a Conjugated Polymer for DNT Fluorescence Sensor. <i>Macromolecules</i> , 2009, 42, 6501-6509.	2.2	156
26	Rigid Coplanar Polymers for Stable n-Type Polymer Thermoelectrics. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11390-11394.	7.2	145
27	Head-to-Tail Regioregular Oligothiophene-Functionalized 9,9-Spirobifluorene Derivatives. 1. Synthesis. <i>Journal of Organic Chemistry</i> , 2002, 67, 4924-4936.	1.7	138
28	Unraveling the Solution-State Supramolecular Structures of Donor-Acceptor Polymers and their Influence on Solid-State Morphology and Charge Transport Properties. <i>Advanced Materials</i> , 2017, 29, 1701072.	11.1	125
29	Understanding the Effects of Molecular Dopant on n-Type Organic Thermoelectric Properties. <i>Advanced Energy Materials</i> , 2019, 9, 1900817.	10.2	118
30	Systematic Investigation of Side-Chain Branching Position Effect on Electron Carrier Mobility in Conjugated Polymers. <i>Advanced Functional Materials</i> , 2014, 24, 6270-6278.	7.8	116
31	Efficient Energy Transfer to Achieve Narrow Bandwidth Red Emission from Eu ³⁺ -Grafting Conjugated Polymers. <i>Macromolecules</i> , 2002, 35, 7274-7280.	2.2	115
32	Chlorination as a useful method to modulate conjugated polymers: balanced and ambient-stable ambipolar high-performance field-effect transistors and inverters based on chlorinated isoindigo polymers. <i>Chemical Science</i> , 2013, 4, 2447.	3.7	109
33	Highly Efficient and Color-Stable Deep-Blue Organic Light-Emitting Diodes Based on a Solution-Processible Dendrimer. <i>Advanced Materials</i> , 2009, 21, 4854-4858.	11.1	108
34	High-Performance Organic Field-Effect Transistors from Organic Single-Crystal Microribbons Formed by a Solution Process. <i>Advanced Materials</i> , 2010, 22, 1484-1487.	11.1	105
35	Non-fullerene acceptors containing fluoranthene-fused imides for solution-processed inverted organic solar cells. <i>Chemical Communications</i> , 2013, 49, 5802.	2.2	105
36	A donor-acceptor-donor conjugated molecule: twist intramolecular charge transfer and piezochromic luminescent properties. <i>Chemical Communications</i> , 2014, 50, 6088.	2.2	105

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37	A thermally activated and highly miscible dopant for n-type organic thermoelectrics. <i>Nature Communications</i> , 2020, 11, 3292.	5.8	105
38	BN-embedded aromatics for optoelectronic applications. <i>Chinese Chemical Letters</i> , 2016, 27, 1139-1146.	4.8	104
39	Thiophene-Based Conjugated Polymers for Light-Emitting Diodes: Effect of Aryl Groups on Photoluminescence Efficiency and Redox Behavior. <i>Macromolecules</i> , 2001, 34, 7241-7248.	2.2	102
40	A bowl-shaped molecule for organic field-effect transistors: crystal engineering and charge transport switching by oxygen doping. <i>Chemical Science</i> , 2014, 5, 1041-1045.	3.7	101
41	Persistent Conjugated Backbone and Disordered Lamellar Packing Impart Polymers with Efficient n-Doping and High Conductivities. <i>Advanced Materials</i> , 2021, 33, e2005946.	11.1	99
42	The Critical Role of Dopant Cations in Electrical Conductivity and Thermoelectric Performance of n-Doped Polymers. <i>Journal of the American Chemical Society</i> , 2020, 142, 15340-15348.	6.6	98
43	A Cofacially Stacked Electron-Deficient Small Molecule with a High Electron Mobility of over $10 \text{ cm}^2 \text{ V}^{-1} \text{ s}^{-1}$ in Air. <i>Advanced Materials</i> , 2015, 27, 8051-8055.	11.1	97
44	New insights into the design of conjugated polymers for intramolecular singlet fission. <i>Nature Communications</i> , 2018, 9, 2999.	5.8	97
45	Incorporation of polycyclic azaborine compounds into polythiophene-type conjugated polymers for organic field-effect transistors. <i>Chemical Communications</i> , 2015, 51, 17532-17535.	2.2	91
46	Influence of alkyl chain length on the solid-state properties and transistor performance of BN-substituted tetrathienonaphthalenes. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8152-8161.	2.7	89
47	Effect of Halogenation in Isoindigo-Based Polymers on the Phase Separation and Molecular Orientation of Bulk Heterojunction Solar Cells. <i>Macromolecules</i> , 2015, 48, 5570-5577.	2.2	88
48	Structural-Property Relationship in Pyrazino[2,3-g]quinoxaline Derivatives: Morphology, Photophysical, and Waveguide Properties. <i>Chemistry of Materials</i> , 2010, 22, 3735-3745.	3.2	87
49	Enhanced Molecular Packing of a Conjugated Polymer with High Organic Thermoelectric Power Factor. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 24737-24743.	4.0	83
50	Benzothiadiazole Containing D-A Conjugated Compounds for Dye-Sensitized Solar Cells: Synthesis, Properties, and Photovoltaic Performances. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1911-1917.	1.7	82
51	New polymer acceptors for organic solar cells: the effect of regio-regularity and device configuration. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6609.	5.2	82
52	Synthesis, structure and properties of C_{3n} -symmetric heterosuperbenzene with three BN units. <i>Chemical Communications</i> , 2015, 51, 4368-4371.	2.2	82
53	Embedding electron-deficient nitrogen atoms in polymer backbone towards high performance n-type polymer field-effect transistors. <i>Chemical Science</i> , 2016, 7, 5753-5757.	3.7	82
54	BN-Embedded Tetrabenzopentacene: A Pentacene Derivative with Improved Stability. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10708-10712.	7.2	82

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55	One-dimensional Microwires Formed by the Co-Assembly of Complementary Aromatic Donors and Acceptors. <i>Advanced Functional Materials</i> , 2009, 19, 1746-1752.	7.8	74
56	Ordered Solid-State Microstructures of Conjugated Polymers Arising from Solution-State Aggregation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17467-17471.	7.2	70
57	Corannulene derivatives as non-fullerene acceptors in solution-processed bulk heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20515-20519.	5.2	69
58	Wafer-Scale Fabrication of High-Performance n-Type Polymer Monolayer Transistors Using a Multi-Level Self-Assembly Strategy. <i>Advanced Materials</i> , 2019, 31, e1806747.	11.1	68
59	Charge-Trapping-Induced Non-Ideal Behaviors in Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2018, 30, e1800017.	11.1	65
60	Organic Semiconducting Alloys with Tunable Energy Levels. <i>Journal of the American Chemical Society</i> , 2019, 141, 6561-6568.	6.6	65
61	Achieving Efficient n-Doping of Conjugated Polymers by Molecular Dopants. <i>Accounts of Chemical Research</i> , 2021, 54, 2871-2883.	7.6	63
62	Solution-processed organic nano- and micro-materials: design strategy, growth mechanism and applications. <i>Journal of Materials Chemistry</i> , 2012, 22, 785-798.	6.7	59
63	Synthesis, Properties, and Semiconducting Characteristics of BF ₂ Complexes of 1,2,12,12'-Bisphenanthrene-Fused Azadipyrromethenes. <i>Organic Letters</i> , 2017, 19, 2893-2896.	2.4	57
64	Regioregular Head-to-Tail Oligothiophene-Functionalized 9,9'-Spirobifluorene Derivatives. 2. NMR Characterization, Thermal Behaviors, and Electrochemical Properties. <i>Journal of Organic Chemistry</i> , 2002, 67, 8104-8113.	1.7	56
65	Novel Blue-Light-Emitting Truxene-Containing Hyperbranched and Zigzag Type Copolymers: Synthesis, Optical Properties, and Investigation of Thermal Spectral Stability. <i>Macromolecules</i> , 2004, 37, 8874-8882.	2.2	56
66	Spine Surgery of Perylene Diimides with Covalent B-N Bonds toward Electron-Deficient BN-Embedded Polycyclic Aromatic Hydrocarbons. <i>Journal of the American Chemical Society</i> , 2022, 144, 3091-3098.	6.6	56
67	High-performance polymer field-effect transistors: from the perspective of multi-level microstructures. <i>Chemical Science</i> , 2021, 12, 1193-1205.	3.7	54
68	Rational molecular engineering towards efficient non-fullerene small molecule acceptors for inverted bulk heterojunction organic solar cells. <i>Chemical Communications</i> , 2014, 50, 1591.	2.2	53
69	Parent B ₂ N ₂ -Perylenes with Different BN Orientations. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23313-23319.	7.2	53
70	Approaching Crystal Structure and High Electron Mobility in Conjugated Polymer Crystals. <i>Advanced Materials</i> , 2021, 33, e2006794.	11.1	52
71	Intramolecular C-F and C-H bond cleavage promoted by butadienyl heavy Grignard reagents. <i>Nature Communications</i> , 2014, 5, 4508.	5.8	50
72	A Mechanically Interlocked [3]Rotaxane as a Light-Harvesting Antenna: Synthesis, Characterization, and Intramolecular Energy Transfer. <i>Chemistry - A European Journal</i> , 2009, 15, 3585-3594.	1.7	49

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73	Conjugated Aromatics Based on Truxene: Synthesis, Self-Assembly, and Applications. <i>Chemical Record</i> , 2015, 15, 52-72.	2.9	49
74	Conformation Control of Conjugated Polymers. <i>Chemistry - A European Journal</i> , 2020, 26, 16194-16205.	1.7	49
75	A NIR dye with high-performance n-type semiconducting properties. <i>Chemical Science</i> , 2016, 7, 499-504.	3.7	48
76	Achieving high-performance non-halogenated nonfullerene acceptor-based organic solar cells with 13.7% efficiency via a synergistic strategy of an indacenodithieno[3,2-b]selenophene core unit and non-halogenated thiophene-based terminal group. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24389-24399.	5.2	47
77	A Stable Triplet-Ground State Conjugated Diradical Based on a Diindenopyrazine Skeleton. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4594-4598.	7.2	47
78	Recent Efforts in Understanding and Improving the Nonideal Behaviors of Organic Field-Effect Transistors. <i>Advanced Science</i> , 2019, 6, 1900375.	5.6	45
79	Star-shaped oligo(p-phenylene)-functionalized truxenes as blue-light-emitting materials: synthesis and the structure-property relationship. <i>Tetrahedron</i> , 2007, 63, 2907-2914.	1.0	43
80	A Butterfly-Shaped Amphiphilic Molecule: Solution-Transferable and Free-Standing Bilayer Films for Organic Transistors. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6320-6323.	7.2	43
81	BN-Anthracene for High-Mobility Organic Optoelectronic Materials through Periphery Engineering. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	43
82	Dithiazolyl-benzothiadiazole-containing polymer acceptors: synthesis, characterization, and all-polymer solar cells. <i>Polymer Chemistry</i> , 2013, 4, 5228.	1.9	41
83	Postfunctionalization of BN-Embedded Polycyclic Aromatic Compounds for Fine-Tuning of Their Molecular Properties. <i>Chemistry - A European Journal</i> , 2015, 21, 8867-8873.	1.7	41
84	Dinaphthobenz[1,2:4,5]dicyclobutadiene: Antiaromatic and Orthogonally Tunable Electronics and Packing. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2034-2039.	7.2	40
85	Reactivity of an air-stable dihydrobenzimidazole n-dopant with organic semiconductor molecules. <i>CheM</i> , 2021, 7, 1050-1065.	5.8	40
86	Correlating Charge Transport Properties of Conjugated Polymers in Solution Aggregates and Thin-Film Aggregates. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20483-20488.	7.2	40
87	Donor End-Capped Hexafluorinated Oligomers for Organic Solar Cells with 9.3% Efficiency by Engineering the Position of β -Bridge and Sequence of Two-Step Annealing. <i>Chemistry of Materials</i> , 2017, 29, 1036-1046.	3.2	39
88	CdSe/ZnS Nanoparticle Composites with Amine-Functionalized Polyfluorene Derivatives for Polymeric Light-Emitting Diodes: Synthesis, Photophysical Properties, and the Electroluminescent Performance. <i>Macromolecules</i> , 2010, 43, 1860-1866.	2.2	38
89	Efficient Modular Synthesis of Substituted Borazaronaphthalene. <i>Organometallics</i> , 2017, 36, 2479-2482.	1.1	37
90	A side-chain engineering approach to solvent-resistant semiconducting polymer thin films. <i>Polymer Chemistry</i> , 2016, 7, 648-655.	1.9	36

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91	Multi-level aggregation of conjugated small molecules and polymers: from morphology control to physical insights. <i>Reports on Progress in Physics</i> , 2021, 84, 076601.	8.1	36
92	Linear C2-symmetric polycyclic benzodithiophene: efficient, highly diversified approaches and the optical properties. <i>Tetrahedron Letters</i> , 2005, 46, 8153-8157.	0.7	35
93	New Fused Heteroarenes for High-Performance Field-Effect Transistors. <i>Chemistry of Materials</i> , 2009, 21, 2595-2597.	3.2	35
94	Thiophene-fused isoindigo based conjugated polymers for ambipolar organic field-effect transistors. <i>Polymer Chemistry</i> , 2016, 7, 235-243.	1.9	35
95	A corannulene-based donor-acceptor polymer for organic field-effect transistors. <i>RSC Advances</i> , 2014, 4, 56749-56755.	1.7	34
96	Isomeric Effect on Microscale Self-Assembly: Interplay between Molecular Property and Solvent Polarity in the Formation of 1D-type Microbelts. <i>Chemistry - A European Journal</i> , 2008, 14, 7760-7764.	1.7	33
97	Parent B ₂ N ₂ -Perylenes with Different BN Orientations. <i>Angewandte Chemie</i> , 2021, 133, 23501.	1.6	33
98	N-Fused BDOPV: a tetralactam derivative as a building block for polymer field-effect transistors. <i>Chemical Communications</i> , 2015, 51, 10514-10516.	2.2	32
99	Novel isoindigo-based conjugated polymers for solar cells and field effect transistors. <i>Polymer Chemistry</i> , 2013, 4, 3563.	1.9	30
100	A Novel Solution-Processable n-Dopant Based on 1,4-Dihydropyridine Motif for High Electrical Conductivity of Organic Semiconductors. <i>Advanced Electronic Materials</i> , 2017, 3, 1700164.	2.6	30
101	Achieving High Alignment of Conjugated Polymers by Controlled Dip-Coating. <i>Advanced Electronic Materials</i> , 2020, 6, 2000080.	2.6	30
102	Three-Dimensional Shape-Persistent Fluorescent Nanocages: Facile Dynamic Synthesis, Photophysical Properties, and Surface Morphologies. <i>Chemistry - A European Journal</i> , 2008, 14, 3860-3865.	1.7	28
103	Highly stable blue light-emitting materials with a three-dimensional architecture: improvement of charge injection and electroluminescence performance. <i>New Journal of Chemistry</i> , 2010, 34, 699.	1.4	28
104	BN-Embedded Tetrabenzopentacene: A Pentacene Derivative with Improved Stability. <i>Angewandte Chemie</i> , 2019, 131, 10818-10822.	1.6	28
105	Toward electron-deficient pyrene derivatives: construction of pyrene tetracarboxylic diimide containing five-membered imide rings. <i>Chemical Communications</i> , 2015, 51, 12585-12588.	2.2	27
106	5,5'-Diazaisoindigo: an Electron-Deficient Building Block for Donor-Acceptor Conjugated Polymers. <i>Chemistry - an Asian Journal</i> , 2017, 12, 302-307.	1.7	27
107	Photo-induced amplification of readout contrast in nanoscale data storage. <i>Journal of Materials Chemistry</i> , 2012, 22, 4299.	6.7	26
108	Achieving high sensitivity in single organic submicrometer ribbon based photodetector through surface engineering. <i>Organic Electronics</i> , 2013, 14, 1103-1108.	1.4	26

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109	Building crystal structures of conjugated polymers through X-ray diffraction and molecular modeling. <i>SmartMat</i> , 2021, 2, 378-387.	6.4	26
110	Organic polymorph-based alloys for continuous regulation of emission colors. <i>Matter</i> , 2022, 5, 1520-1531.	5.0	26
111	Solution-Processable Flower-Shaped Hierarchical Structures: Self-Assembly, Formation, and State Transition of Biomimetic Superhydrophobic Surfaces. <i>Chemistry - A European Journal</i> , 2010, 16, 7309-7318.	1.7	25
112	Extended isoindigo core: synthesis and applications as solution-processable n-OFET materials in ambient conditions. <i>RSC Advances</i> , 2015, 5, 8340-8344.	1.7	25
113	Integration of antireflection and light diffraction in nature: a strategy for light trapping. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10607.	5.2	24
114	Precise tracking and modulating aggregation structures of conjugated copolymers in solutions. <i>Polymer Chemistry</i> , 2020, 11, 3716-3722.	1.9	24
115	Thiazoloisoindigo: A Building Block that Merges the Merits of Thienoisindigo and Diazaisindigo for Conjugated Polymers. <i>Chemistry - A European Journal</i> , 2018, 24, 9807-9811.	1.7	23
116	Organic Semiconducting Materials Based on BDOPV: Structures, Properties, and Applications. <i>Chinese Journal of Chemistry</i> , 2020, 38, 13-24.	2.6	23
117	Synthesis and Semiconducting Characteristics of the BF ₂ Complexes of Bisbenzothiophene-Fused Azadipyrromethenes. <i>Organic Letters</i> , 2020, 22, 185-189.	2.4	23
118	Influence of solution-state aggregation on conjugated polymer crystallization in thin films and microwire crystals. <i>Giant</i> , 2021, 7, 100064.	2.5	23
119	Second Near-Infrared Photothermal Therapy with Superior Penetrability through Skin Tissues. <i>CCS Chemistry</i> , 2022, 4, 3002-3013.	4.6	23
120	Smart Macrocyclic Molecules: Induced Fit and Ultrafast Self-Sorting Inclusion Behavior through Dynamic Covalent Chemistry. <i>Chemistry - A European Journal</i> , 2010, 16, 13850-13861.	1.7	22
121	One-dimensional (1D) micro/nanostructures of organic semiconductors for field-effect transistors. <i>Science China Chemistry</i> , 2015, 58, 937-946.	4.2	22
122	Rigid Coplanar Polymers for Stable n-Type Polymer Thermoelectrics. <i>Angewandte Chemie</i> , 2019, 131, 11512-11516.	1.6	22
123	Regulation of High Miscibility for Efficient Charge Transport in Doped Conjugated Polymers. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	22
124	Conjugated Dendrimers as Stable Pure-Blue Emissive Materials: Photophysical, Electrochemical, and Electroluminescent Properties. <i>Chemistry - an Asian Journal</i> , 2009, 4, 548-553.	1.7	21
125	Seebeck Effects in N-Type and P-Type Polymers Driven Simultaneously by Surface Polarization and Entropy Differences Based on Conductor/Polymer/Conductor Thin-Film Devices. <i>ACS Nano</i> , 2015, 9, 5208-5213.	7.3	21
126	Cyano- and chloro-substituted coronene diimides as solution-processable electron-transporting semiconductors. <i>Chemical Communications</i> , 2015, 51, 7144-7147.	2.2	21

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127	Star-shaped oligo(fluorene ethynylene)-functionalized truxene derivatives: synthesis, characterization, and their size effects. <i>Tetrahedron</i> , 2009, 65, 4165-4172.	1.0	20
128	Synthesis, crystal structure, and application of an acenaphtho[1,2-k] fluoranthene diimide derivative. <i>Science China Chemistry</i> , 2015, 58, 364-369.	4.2	20
129	Curved BN-embedded nanographene for application in organic solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15420-15425.	5.2	20
130	Syntheses of polycyclic aromatic diimides via intramolecular cyclization of maleic acid derivatives. <i>New Journal of Chemistry</i> , 2016, 40, 113-121.	1.4	20
131	Solution-Processed Bulk Heterojunction Photovoltaic Cells from Gradient-Conjugated Thienylene Vinylene Dendrimers. <i>Chemistry - an Asian Journal</i> , 2010, 5, 105-113.	1.7	18
132	Synthesis, characterization, and tunable semiconducting properties of aza-BODIPY derived polycyclic aromatic dyes. <i>Science China Chemistry</i> , 2020, 63, 1240-1245.	4.2	18
133	Thermally Activated Doping of Organic Semiconductors Achieved by Heterocyclic Carbene Based Dopant. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5816-5820.	7.2	18
134	An Alkane-Soluble Dendrimer as Electron-Transport Layer in Polymer Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20237-20242.	4.0	16
135	Revealing the effect of oligo(ethylene glycol) side chains on the doping process in FBDPPV-based polymers. <i>Journal of Polymer Science</i> , 2022, 60, 538-547.	2.0	16
136	Solution-Processed Bulk Heterojunction Photovoltaic Cells Based on Dendritic and Star-Shaped Conjugated Organic Dyes. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1455-1465.	1.7	15
137	Pentacyclic aromatic bislactam-based conjugated polymers: constructed by Beckmann rearrangement and application in organic field-effect transistor. <i>Polymer Chemistry</i> , 2014, 5, 5369-5374.	1.9	15
138	Odd-Even Effect of Thiophene Chain Lengths on Excited State Properties in Oligo(thienyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 T	1.5	15
139	Chemical Modification toward Long Spin Lifetimes in Organic Conjugated Radicals. <i>ChemPhysChem</i> , 2018, 19, 2972-2977.	1.0	15
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