Hong Meng

List of Publications by Year
in descending order

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265	11,823	23567 58	34986 98
papers	citations	h-index	g-index

280	280	280	11587
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Light-Emitting Polythiophenes. Advanced Materials, 2005, 17, 2281-2305.	21.0	858
2	Peripheral Amplification of Multiâ€Resonance Induced Thermally Activated Delayed Fluorescence for Highly Efficient OLEDs. Angewandte Chemie - International Edition, 2018, 57, 11316-11320.	13.8	314
3	Aluminumâ€Doped Cesium Lead Bromide Perovskite Nanocrystals with Stable Blue Photoluminescence Used for Display Backlight. Advanced Science, 2017, 4, 1700335.	11.2	303
4	Conductance of Small Molecular Junctions. Physical Review Letters, 2002, 88, 226801.	7.8	298
5	High-Performance, Stable Organic Thin-Film Field-Effect Transistors Based on Bis-5â€˜-alkylthiophen-2â€˜-yl-2,6-anthracene Semiconductors. Journal of the American Chemical Society, 2005, 127, 2406-2407.	13.7	265
6	Oligofluoreneâˆ'Thiophene Derivatives as High-Performance Semiconductors for Organic Thin Film Transistors. Chemistry of Materials, 2003, 15, 1778-1787.	6.7	258
7	Organic Polymeric Electrochromic Devices:Â Polychromism with Very High Coloration Efficiency. Chemistry of Materials, 2004, 16, 574-580.	6.7	230
8	High Field-Effect Mobility Oligofluorene Derivatives with High Environmental Stability. Journal of the American Chemical Society, 2001, 123, 9214-9215.	13.7	206
9	Tetramethylpentacene: Remarkable Absence of Steric Effect on Field Effect Mobility. Advanced Materials, 2003, 15, 1090-1093.	21.0	206
10	Solid-State Synthesis of a Conducting Polythiophene via an Unprecedented Heterocyclic Coupling Reaction. Journal of the American Chemical Society, 2003, 125, 15151-15162.	13.7	196
11	2,6-Bis[2-(4-pentylphenyl)vinyl]anthracene:Â A Stable and High Charge Mobility Organic Semiconductor with Densely Packed Crystal Structure. Journal of the American Chemical Society, 2006, 128, 9304-9305.	13.7	185
12	Self-assembled monolayer organic field-effect transistors. Nature, 2001, 413, 713-716.	27.8	166
13	Photoluminescent Poly(p-phenylenevinylene)s with an Aromatic Oxadiazole Moiety as the Side Chain:Â Synthesis, Electrochemistry, and Spectroscopy Study. Macromolecules, 1999, 32, 4351-4358.	4.8	165
14	Side-chain engineering of green color electrochromic polymer materials: toward adaptive camouflage application. Journal of Materials Chemistry C, 2016, 4, 2269-2273.	5.5	155
15	Regioregular Narrowâ€Bandgap nâ€Type Polymers with High Electron Mobility Enabling Highly Efficient Allâ€Polymer Solar Cells. Advanced Materials, 2021, 33, e2102635.	21.0	151
16	Facile Solid-State Synthesis of Highly Conducting Poly(ethylenedioxythiophene). Angewandte Chemie - International Edition, 2003, 42, 658-661.	13.8	147
17	Poor Stability of Li₂CO₃ in the Solid Electrolyte Interphase of a Lithiumâ€Metal Anode Revealed by Cryoâ€Electron Microscopy. Advanced Materials, 2021, 33, e2100404.	21.0	147
18	An Unusual Electrochromic Device Based on a New Low-Bandgap Conjugated Polymer. Advanced Materials, 2003, 15, 146-149.	21.0	146

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19	Hexathiapentacene:Â Structure, Molecular Packing, and Thin-Film Transistors. Journal of the American Chemical Society, 2006, 128, 15576-15577.	13.7	136
20	Synthesis and Characterization of Conjugated Mono- and Dithiol Oligomers and Characterization of Their Self-Assembled Monolayers. Langmuir, 2003, 19, 4272-4284.	3.5	132
21	Tuning Redox Behavior and Emissive Wavelength of Conjugated Polymers bypâ^'nDiblock Structures. Journal of the American Chemical Society, 1998, 120, 11808-11809.	13.7	131
22	Flexible Asymmetric Supercapacitors via Spray Coating of a New Electrochromic Donorâ€“Acceptor Polymer. Advanced Energy Materials, 2017, 7, 1601623.	19.5	131
23	Anthracene-based semiconductors for organic field-effect transistors. Journal of Materials Chemistry C, 2018, 6, 7416-7444.	5.5	129
24	Directly patternable, highly conducting polymers for broad applications in organic electronics. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5712-5717.	7.1	127
25	Organic Thin Film Transistors Based on Cyclohexyl-Substituted Organic Semiconductors. Chemistry of Materials, 2005, 17, 3366-3374.	6.7	125
26	Highâ€Performance Organic Singleâ€Crystal Transistors and Digital Inverters of an Anthracene Derivative. Advanced Materials, 2009, 21, 3649-3653.	21.0	125
27	Organic Transistors Based on Di(phenylvinyl)anthracene: Performance and Stability. Advanced Materials, 2007, 19, 3882-3887.	21.0	120
28	Inkjet printed uniform quantum dots as color conversion layers for full-color OLED displays. Nanoscale, 2020, 12, 2103-2110.	5.6	114
29	Synthesis and Characterization of a Newpâ^'nDiblock Light-Emitting Copolymer. Macromolecules, 1998, 31, 4838-4844.	4.8	111
30	A Highly Stable, New Electrochromic Polymer: Poly(1,4-bis(2-(3â€²,4â€²-ethylenedioxy)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (t	14.9	111
31	A New Blue Light-Emitting Polymer Containing Substituted Thiophene and an Arylene-1,3,4-oxadiazole Moiety. Advanced Materials, 1998, 10, 593-596.	21.0	109
32	Solution-Processable Neutral Green Electrochromic Polymer Containing Thieno[3,2-b]thiophene Derivative as Unconventional Donor Units. Macromolecules, 2016, 49, 7211-7219.	4.8	104
33	Achieving highly efficient all-polymer solar cells by green-solvent-processing under ambient atmosphere. Energy and Environmental Science, 0, , .	30.8	102
34	Transition Metal Nitrides as Promising Catalyst Supports for Tuning CO/H₂Syngas Production from Electrochemical CO₂Reduction. Angewandte Chemie - International Edition, 2020, 59, 11345-11348.	13.8	100
35	A Unique Blend of 2â€Fluorenylâ€2â€anthracene and 2â€Anthrylâ€2â€anthracence Showing White Emission and High Charge Mobility. Angewandte Chemie - International Edition, 2017, 56, 722-727.	13.8	94
36	Probing the Na metal solid electrolyte interphase via cryo-transmission electron microscopy. Nature Communications, 2021, 12, 3066.	12.8	92

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37	A Novel Hybridâ€Layered Organic Phototransistor Enables Efficient Intermolecular Charge Transfer and Carrier Transport for Ultrasensitive Photodetection. Advanced Materials, 2019, 31, e1900763.	21.0	89
38	Electrochromic Smart Windows Can Achieve an Absolute Private State through Thermochromically Engineered Electrolyte. Advanced Energy Materials, 2019, 9, 1900433.	19.5	88
39	A Robust Low Band Gap Processable n-Type Conducting Polymer Based on Poly(isothianaphthene). Macromolecules, 2001, 34, 1810-1816.	4.8	87
40	A Novel Series of pâ^'n Diblock Light-Emitting Copolymers Based on Oligothiophenes and 1,4-Bis(oxadiazolyl)-2,5-dialkyloxybenzene. Macromolecules, 1999, 32, 118-126.	4.8	86
41	Effects of heteroatom substitution in spiro-bifluorene hole transport materials. Chemical Science, 2016, 7, 5007-5012.	7.4	86
42	500 Wh kg^{â^'1} Class Li Metal Battery Enabled by a Selfâ€Organized Coreâ€“Shell Composite Anode. Advanced Materials, 2020, 32, e2004793.	21.0	86
43	Very Stable Low Band Gap Polymer for Charge Storage Purposes and Near-Infrared Applications. Chemistry of Materials, 2003, 15, 4923-4929.	6.7	83
44	Fullâ€Color Microâ€LED Display with CsPbBr₃ Perovskite and CdSe Quantum Dots as Color Conversion Layers. Advanced Materials Technologies, 2020, 5, 2000251.	5.8	83
45	Graphene Quantum Dots Embedded in Bi₂Te₃ Nanosheets To Enhance Thermoelectric Performance. ACS Applied Materials & Interfaces, 2017, 9, 3677-3685.	8.0	78
46	Self-Regulated Phenomenon of Inorganic Artificial Solid Electrolyte Interphase for Lithium Metal Batteries. Nano Letters, 2020, 20, 4029-4037.	9.1	78
47	Highly Simplified Tandem Organic Light-Emitting Devices Incorporating a Green Phosphorescence Ultrathin Emitter within a Novel Interface Exciplex for High Efficiency. ACS Applied Materials & Interfaces, 2017, 9, 10955-10962.	8.0	77
48	Peripheral Amplification of Multiâ€Resonance Induced Thermally Activated Delayed Fluorescence for Highly Efficient OLEDs. Angewandte Chemie, 2018, 130, 11486-11490.	2.0	77
49	Facile Synthetic Route to a Novel Electroluminescent Polymerâ^'Poly(p-phenylenevinylene) Containing a Fully Conjugated Aromatic Oxadiazole Side Chain. Macromolecules, 1999, 32, 8841-8847.	4.8	73
50	Additive stabilization of SEI on graphite observed using cryo-electron microscopy. Energy and Environmental Science, 2021, 14, 4882-4889.	30.8	73
51	Field-Effect Modulation of the Conductance of Single Molecules. Science, 2001, 294, 2138-2140.	12.6	72
52	A One-Step Synthesis of a Poly(iptycene) through an Unusual Dielsâ^'Alder Cyclization/Dechlorination of Tetrachloropentacene. Journal of the American Chemical Society, 2003, 125, 10190-10191.	13.7	72
53	Extending the Photovoltaic Response of Perovskite Solar Cells into the Nearâ€Infrared with a Narrowâ€Bandgap Organic Semiconductor. Advanced Materials, 2019, 31, e1904494.	21.0	71
54	Facile synthesis of defect-rich nitrogen and sulfur Co-doped graphene quantum dots as metal-free electrocatalyst for the oxygen reduction reaction. Journal of Alloys and Compounds, 2019, 792, 844-850.	5.5	71

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55	A Unique Blend of 2â€Fluorenylâ€2â€anthracene and 2â€Anthrylâ€2â€anthracence Showing White Emission and High Charge Mobility. Angewandte Chemie, 2017, 129, 740-745.	2.0	70
56	A Benzo[1,2â€b:4,5â€câ€²]Dithiopheneâ€4,8â€Dioneâ€Based Polymer Donor Achieving an Efficiency Over 16%. Advanced Materials, 2020, 32, e1907059.	21.0	70
57	Evolution of white organic light-emitting devices: from academic research to lighting and display applications. Materials Chemistry Frontiers, 2019, 3, 970-1031.	5.9	67
58	New Series of Blue-Light-Emitting Polymers Constituted of 3-Alkylthiophenes and 1,4-Di(1,3,4-oxadiazolyl)phenylene. Chemistry of Materials, 1998, 10, 3340-3345.	6.7	63
59	Novel Photoluminescent Polymers Containing Oligothiophene andm-Phenylene-1,3,4-oxadiazole Moieties:Â Synthesis and Spectroscopic and Electrochemical Studies. Journal of Organic Chemistry, 2000, 65, 3894-3901.	3.2	60
60	Recent advances in high-performance organic solar cells enabled by acceptorâ€“donorâ€“acceptorâ€“donorâ€“acceptor (Aâ€“DAâ€²Dâ€“A) type acceptors. Materials Chemistry Frontiers, 2020, 4, 3487-3504.	5.9	60
61	3D printed stretchable capacitive sensors for highly sensitive tactile and electrochemical sensing. Nanotechnology, 2018, 29, 185501.	2.6	57
62	3D Printing of Freeâ€Standing Stretchable Electrodes with Tunable Structure and Stretchability. Advanced Engineering Materials, 2017, 19, 1700341.	3.5	55
63	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
64	Interfacial modification for heightening the interaction between PEDOT and substrate towards enhanced flexible solid supercapacitor performance. Chemical Engineering Journal, 2020, 379, 122326.	12.7	52
65	Environmentally stable light emitting field effect transistors based on 2-(4-pentylstyryl)tetracene. Journal of Materials Chemistry, 2008, 18, 158-161.	6.7	49
66	Polarâ€Electrodeâ€Bridged Electroluminescent Displays: 2D Sensors Remotely Communicating Optically. Advanced Materials, 2017, 29, 1703552.	21.0	49
67	Boosting Efficiency and Stability of Organic Solar Cells Using Ultralow-Cost BiOCl Nanoplates as Hole Transporting Layers. ACS Applied Materials & Interfaces, 2019, 11, 33505-33514.	8.0	49
68	1,5-, 2,6- and 9,10-distyrylanthracenes as luminescent organic semiconductors. Journal of Materials Chemistry C, 2013, 1, 2817.	5.5	48
69	Highly Simplified Reddish Orange Phosphorescent Organic Light-Emitting Diodes Incorporating a Novel Carrier- and Exciton-Confining Spiro-Exciplex-Forming Host for Reduced Efficiency Roll-off. ACS Applied Materials & Interfaces, 2017, 9, 2701-2710.	8.0	48
70	Thieno[3,2-b]thiophene-based conjugated copolymers for solution-processable neutral black electrochromism. Polymer Chemistry, 2018, 9, 5608-5616.	3.9	46
71	High Performance OTFTs Fabricated Using a Calamitic Liquid Crystalline Material of 2â€(4â€Dodecyl) Tj ETQq1 1 0.784314 rgBT /Ove	5.1	44
72	Reduced interface losses in inverted perovskite solar cells by using a simple dual-functional phenanthroline derivative. Nano Energy, 2018, 43, 72-80.	16.0	43

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73	A Stretchable Alternating Current Electroluminescent Fiber. Materials, 2018, 11, 184.	2.9	43
74	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
75	Highly transmissive blue electrochromic polymers based on thieno[3,2-b]thiophene. Polymer Chemistry, 2016, 7, 5351-5356.	3.9	41
76	Mechanical simulation of foldable AMOLED panel with a module structure. Organic Electronics, 2019, 65, 185-192.	2.6	41
77	Structure Property Relationships:â€‰Asymmetric Oligofluoreneâ€'Thiophene Molecules for Organic TFTs. Chemistry of Materials, 2006, 18, 6250-6257.	6.7	40
78	A non-fullerene small molecule processed with green solvent as an electron transporting material for high efficiency p-i-n perovskite solar cells. Organic Electronics, 2018, 52, 200-205.	2.6	40
79	Effects of p-(Trifluoromethoxy)benzyl and p-(Trifluoromethoxy)phenyl Molecular Architecture on the Performance of Naphthalene Tetracarboxylic Diimide-Based Air-Stable n-Type Semiconductors. ACS Applied Materials & Interfaces, 2016, 8, 18277-18283.	8.0	39
80	Multichloro-Substitution Strategy: Facing Low Photon Energy Loss in Nonfullerene Solar Cells. ACS Applied Energy Materials, 2018, 1, 6549-6559.	5.1	39
81	Structure and Bonding Issues at the Interface between Gold and Self-Assembled Conjugated Dithiol Monolayers. Langmuir, 2005, 21, 8751-8757.	3.5	38
82	Wide color-range tunable and low roll-off fluorescent organic light emitting devices based on double undoped ultrathin emitters. Organic Electronics, 2016, 37, 93-99.	2.6	38
83	Ultrathin and Ultrasensitive Direct Xâ€ray Detector Based on Heterojunction Phototransistors. Advanced Materials, 2021, 33, e2101717.	21.0	38
84	Organic single-crystal complementary inverter. Applied Physics Letters, 2006, 89, 222111.	3.3	36
85	Chargeâ€Storage Aromatic Amino Compounds for Nonvolatile Organic Transistor Memory Devices. Small, 2018, 14, e1800756.	10.0	36
86	Chlorination strategy on polymer donors toward efficient solar conversions. Journal of Energy Chemistry, 2019, 39, 208-216.	12.9	36
87	Efficient Charge Injection in Organic Fieldâ€Effect Transistors Enabled by Lowâ€Temperature Atomic Layer Deposition of Ultrathin VO_x Interlayer. Advanced Functional Materials, 2016, 26, 4456-4463.	14.9	35
88	Highly Efficient Flexible Organic Light Emitting Transistor Based on Highâ€k Polymer Gate Dielectric. Advanced Optical Materials, 2020, 8, 1901651.	7.3	35
89	Influence of heteroatoms on the charge mobility of anthracene derivatives. Journal of Materials Chemistry C, 2016, 4, 3517-3522.	5.5	34
90	Thermal and Optical Modulation of the Carrier Mobility in OTFTs Based on an Azo-anthracene Liquid Crystal Organic Semiconductor. ACS Applied Materials & Interfaces, 2017, 9, 7305-7314.	8.0	34

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91	A thermally stable anthracene derivative for application in organic thin film transistors. Organic Electronics, 2017, 43, 105-111.	2.6	34
92	Highly responsive phototransistors based on 2,6-bis(4-methoxyphenyl)anthracene single crystal. Journal of Materials Chemistry C, 2017, 5, 5304-5309.	5.5	34
93	Simplified efficient warm white tandem organic light-emitting devices by ultrathin emitters using energy transfer from exciplexes. Organic Electronics, 2018, 63, 369-375.	2.6	34
94	Trifluoromethyl Group-Modified Non-Fullerene Acceptor toward Improved Power Conversion Efficiency over 13% in Polymer Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 11543-11550.	8.0	34
95	Design Strategy for Efficient Solution-Processable Red Electrochromic Polymers Based on Unconventional 3,6-Bis(dodecyloxy)thieno[3,2-b]thiophene Building Blocks. Macromolecules, 2018, 51, 7853-7862.	4.8	33
96	A feasible strategy for the fabrication of camouflage electrochromic fabric and unconventional devices. Electrochemistry Communications, 2019, 102, 31-36.	4.7	33
97	Exploring the electrochromic properties of poly(thieno[3,2-b]thiophene)s decorated with electron-deficient side groups. Polymer Chemistry, 2017, 8, 769-784.	3.9	32
98	Versatile functionalization of trifluoromethyl based deep blue thermally activated delayed fluorescence materials for organic light emitting diodes. New Journal of Chemistry, 2018, 42, 4317-4323.	2.8	32
99	Development of fullerenes and their derivatives as semiconductors in field-effect transistors: exploring the molecular design. Journal of Materials Chemistry C, 2018, 6, 3514-3537.	5.5	31
100	Multicolored Cathodically Coloring Electrochromism and Electrofluorochromism in Regioisomeric Star-Shaped Carbazole Dibenzofurans. ACS Applied Materials & Interfaces, 2020, 12, 24156-24164.	8.0	31
101	Synthesis and electrochemical characterization of a new polymer constituted of alternating carbazole and oxadiazole moieties. Synthetic Metals, 1999, 100, 297-301.	3.9	29
102	A â€œchainâ€“lockâ€•strategy to construct a conjugated copolymer network for supercapacitor applications. Journal of Materials Chemistry A, 2019, 7, 116-123.	10.3	29
103	Gaining Insight into the Effect of Organic Interface Layer on Suppressing Ion Migration Induced Interfacial Degradation in Perovskite Solar Cells. Advanced Functional Materials, 2020, 30, 2000837.	14.9	29
104	Synthesis, spectroscopy and electrochemistry study on a novel di-silyl substituted poly(p-phenylenevinylene). Synthetic Metals, 1999, 105, 85-89.	3.9	26
105	Molecular phase engineering of organic semiconductors based on a [1]benzothieno[3,2-b][1]benzothiophene core. RSC Advances, 2016, 6, 95149-95155.	3.6	26
106	Unravelling Alkaliâ€Metalâ€Assisted Domain Distribution of Quasiâ€2D Perovskites for Cascade Energy Transfer toward Efficient Blue Lightâ€Emitting Diodes. Advanced Science, 2022, 9, e2200393.	11.2	26
107	Gated molecular devices using self-assembled monolayers. Nanotechnology, 2003, 14, 254-257.	2.6	25
108	Spectroscopic and Electrochemical Study of a Novel Blue Electroluminescent p-n Diblock Conjugated Copolymer. Journal of Physical Chemistry B, 1999, 103, 6429-6433.	2.6	24

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109	Spectroscopic properties of PEDOTEHIITN. Synthetic Metals, 2003, 137, 1435-1436.	3.9	24
110	An efficient and thickness insensitive cathode interface material for high performance inverted perovskite solar cells with 17.27% efficiency. Journal of Materials Chemistry C, 2017, 5, 5949-5955.	5.5	24
111	Alkoxy substituted [1]benzothieno[3,2-b][1]benzothiophene derivative with improved performance in organic thin film transistors. Organic Electronics, 2018, 56, 68-75.	2.6	24
112	Prompt Electrodeposition of Ni Nanodots on Ni Foam to Construct a High-Performance Water-Splitting Electrode: Efficient, Scalable, and Recyclable. Nano-Micro Letters, 2019, 11, 41.	27.0	24
113	Thin film transistors based on two dimensional graphene and graphene/semiconductor heterojunctions. RSC Advances, 2017, 7, 17387-17397.	3.6	23
114	Boosting Efficiency and Curtailing the Efficiency Roll-Off in Green Perovskite Light-Emitting Diodes via Incorporating Ytterbium as Cathode Interface Layer. ACS Applied Materials & Interfaces, 2020, 12, 18761-18768.	8.0	23
115	Multifunctional Benzo[4,5]thieno[3,2-b]benzofuran Derivative with High Mobility and Luminescent Properties. ACS Applied Materials & Interfaces, 2021, 13, 12250-12258.	8.0	23
116	Synthesis of 1,4-bis(1,3,4-oxadiazol-2-yl)-2,5-dialkoxybenzeneâ€“oligothiophene copolymers with different emissive colors: synthetically tuning the photoluminescence of conjugated polymers. Chemical Communications, 1998, , 1957-1958.	4.1	22
117	Synthesis and characterization of a novel blue electroluminescent polymer constituted of alternating carbazole and aromatic oxadiazole units. Physical Chemistry Chemical Physics, 1999, 1, 3123-3127.	2.8	22
118	Investigating the single crystal OFET and photo-responsive characteristics based on an anthracene linked benzo[b]benzo[4,5]thieno[2,3-d]thiophene semiconductor. Organic Electronics, 2019, 72, 1-5.	2.6	22
119	Highly fluorescent anthracene derivative as a non-fullerene acceptor in OSCs with small non-radiative energy loss of 0.22ÂeV and high PCEs of over 13%. Journal of Materials Chemistry A, 2019, 7, 10212-10216.	10.3	22
120	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
121	Enhanced Photovoltaic Performance by Synergistic Effect of Chlorination and Selenophene Ï€-Bridge. Macromolecules, 2020, 53, 2893-2901.	4.8	22
122	Molecular engineering tuning optoelectronic properties of thieno[3,2-b]thiophenes-based electrochromic polymers. Science China Chemistry, 2017, 60, 63-76.	8.2	21
123	Traps induced memory effect in rubrene single crystal phototransistor. Applied Physics Letters, 2018, 113, .	3.3	21
124	Multi-colour electrochromic materials based on polyaromatic esters with low driving voltage. Journal of Materials Chemistry C, 2019, 7, 9467-9473.	5.5	21
125	Highly efficient thermally activated delayed fluorescence yellow organic light-emitting diodes with a low efficiency roll-off. Journal of Materials Chemistry C, 2019, 7, 8063-8069.	5.5	21
126	Vacuumâ€Drying Processed Micrometerâ€Thick Stable CsPbBr 3 Perovskite Films with Efficient Blueâ€Toâ€Green Photoconversion. Small, 2019, 15, 1901954.	10.0	21

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127	Anthracene derivative based multifunctional liquid crystal materials for optoelectronic devices. Materials Chemistry Frontiers, 2020, 4, 3546-3555.	5.9	21
128	Tactile and temperature sensors based on organic transistors: Towards e-skin fabrication. Frontiers of Physics, 2021, 16, 1.	5.0	21
129	Three-phase electric power driven electroluminescent devices. Nature Communications, 2021, 12, 54.	12.8	21
130	Asymmetrically Enhanced Coplanarâ€Electrode Electroluminescence for Information Encryption and UltrahighlyStretchableÂDisplays. Advanced Materials, 2022, 34, .	21.0	21
131	Enhanced performance of inverted perovskite solar cells using solution-processed carboxylic potassium salt as cathode buffer layer. Organic Electronics, 2017, 45, 97-103.	2.6	20
132	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
133	Performance Enhancement and Bending Restoration for Flexible Amorphous Indium Gallium Zinc Oxide Thin-Film Transistors by Low-Temperature Supercritical Dehydration Treatment. ACS Applied Materials & Interfaces, 2021, 13, 8584-8594.	8.0	20
134	Fine Emission Tuning from Near-Ultraviolet to Saturated Blue with Rationally Designed Carbene-Based [3 + 2 + 1] Iridium(III) Complexes. ACS Applied Materials & Interfaces, 2022, 14, 1546-1556.	8.0	20
135	A Redoxâ€Ðependent Electrochromic Material: Tetriâ€EDOT Substituted Thieno[3,2â€b]thiophene. Macromolecular Rapid Communications, 2016, 37, 1344-1351.	3.9	19
136	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
137	Triphenylphosphine-based functional porous polymer as an efficient heterogeneous catalyst for the synthesis of cyclic carbonates from CO2. Nanoscale Research Letters, 2017, 12, 609.	5.7	19
138	Chlorination of Conjugated Side Chains To Enhance Intermolecular Interactions for Elevated Solar Conversion. Macromolecules, 2020, 53, 165-173.	4.8	19
139	A smart polymer with a high sensitivity to temperature and humidity based on polyacrylamide hydrogel doped with polyiodide. Journal of Materials Chemistry C, 2016, 4, 11055-11058.	5.5	18
140	In-plane isotropic charge transport characteristics of single-crystal FETs with high mobility based on 2,6-bis(4-methoxyphenyl)anthracene: experimental cum theoretical assessment. Journal of Materials Chemistry C, 2017, 5, 370-375.	5.5	18
141	Low-Voltage, High-Performance Flexible Organic Field-Effect Transistors Based on Ultrathin Single-Crystal Microribbons. ACS Applied Materials & Interfaces, 2019, 11, 34188-34195.	8.0	18
142	A series of porphyrins as interfacial materials for inverted perovskite solar cells. Organic Electronics, 2020, 77, 105522.	2.6	18
143	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
144	Facile Solid-State Synthesis of Highly Conducting Poly(ethylenedioxythiophene). Angewandte Chemie, 2003, 115, 682-685.	2.0	17

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145	Effects of a highly lipophilic substituent on the environmental stability of naphthalene tetracarboxylic diimide-based n-channel thin-film transistors. Journal of Materials Chemistry C, 2017, 5, 848-853.	5.5	17
146	A new partial volume segmentation approach to extract bladder wall for computer-aided detection in virtual cystoscopy. , 2004, , .		16
147	Design and characterization of methoxy modified organic semiconductors based on phenyl[1]benzothieno[3,2-b][1]benzothiophene. RSC Advances, 2017, 7, 5514-5518.	3.6	16
148	Effect of Alkyl Chain Length on Charge Transport Property of Anthracene-Based Organic Semiconductors. ACS Applied Materials & Interfaces, 2021, 13, 989-998.	8.0	16
149	A Wide Band Gap Naphthalene Semiconductor for Thinâ€Film Transistors. Advanced Electronic Materials, 2017, 3, 1600556.	5.1	15
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