

# Hong Meng

## List of Publications by Year in descending order

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265  
papers

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citations

23567

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280  
docs citations

280  
times ranked

11587  
citing authors

#	ARTICLE	IF	CITATIONS
1	A step towards the application of molecular plasmonic-like excitations of PAH derivatives in organic electrochromics. Chinese Chemical Letters, 2023, 34, 107550.	9.0	0
2	Enabling Quasi-2D Perovskite-Compatible Growth Environment for Efficient Light-Emitting Diodes. Advanced Optical Materials, 2022, 10, .	7.3	7
3	Investigation of charge and current dynamics in PVA-KOH gel electrolyte-based supercapacitor. Journal of Materials Science: Materials in Electronics, 2022, 33, 2322-2335.	2.2	5
4	Narrowband Deep-Blue Multi-Resonance Induced Thermally Activated Delayed Fluorescence: Insights from the Theoretical Molecular Design. Molecules, 2022, 27, 348.	3.8	3
5	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
6	Fused triphenylamine moiety based fluorescence emitters for deep blue OLEDs with high luminance and low turn-on voltages. Materials Advances, 2022, 3, 1729-1736.	5.4	4
7	Bright Stretchable White Alternating-Current Electroluminescent Devices Enabled by Photoluminescent Phosphor. Advanced Materials Technologies, 2022, 7, .	5.8	4
8	Efficient NIR Perovskite Light-Emitting Diodes Enabled by Incorporating an Anthracene Derivative as a Bifunctional Electron Transport Layer. ACS Applied Electronic Materials, 2022, 4, 1669-1677.	4.3	3
9	Identifying the Molecular Origins of Green BN-TADF Material Degradation and Device Stability via in-situ Raman Spectroscopy. Chemistry - A European Journal, 2022, 28, .	3.3	8
10	Chlorine substituted N-heteroacene analogues acting as organic semiconductors for solution-processed n-type organic field-effect transistors. Chemistry - A European Journal, 2022, , .	3.3	0
11	Constructing Binder- and Carbon Additive-Free Organosulfur Cathodes Based on Conducting Thiol-Polymers through Electropolymerization for Lithium-Sulfur Batteries. ChemSusChem, 2022, 15, .	6.8	12
12	Unravelling Alkali-Metal-Assisted Domain Distribution of Quasi-2D Perovskites for Cascade Energy Transfer toward Efficient Blue Light-Emitting Diodes. Advanced Science, 2022, 9, e2200393.	11.2	26
13	Soluble Two-Dimensional Donor-Acceptor Aza-Fused Aromatic Frameworks and their Electrochromism between the Visible and Near-Infrared Regions. Chemistry of Materials, 2022, 34, 4896-4909.	6.7	5
14	Alleviating the crosstalk effect via a fine-moulded light-blocking matrix for colour-converted micro-LED display with a 122% NTSC gamut. , 2022, 3, 1.		6
15	Asymmetrically Enhanced Coplanar-Electrode Electroluminescence for Information Encryption and Ultrahighly Stretchable Displays. Advanced Materials, 2022, 34, .	21.0	21
16	Donor-Acceptor-Donor Hot Exciton-Triads for High Reverse Intersystem Crossing in OLEDs. Advanced Optical Materials, 2022, 10, .	7.3	7
17	Intrinsically flexible all-carbon-nanotube electronics enabled by a hybrid organic-inorganic gate dielectric. Npj Flexible Electronics, 2022, 6, .	10.7	9
18	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

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19	Tactile and temperature sensors based on organic transistors: Towards e-skin fabrication. <i>Frontiers of Physics</i> , 2021, 16, 1.	5.0	21
20	Chlorinated Benzo[1,2- <i>b</i> :4,5- <i>c'</i> ]dithiophene-4,8-dione Polymer Donor: A Small Atom Makes a Big Difference. <i>Advanced Science</i> , 2021, 8, 2003641.	11.2	18
21	Molecular tailoring of trifluoromethyl-substituted conjugated polymers for efficient organic solar cells. <i>Polymer Chemistry</i> , 2021, 12, 3346-3351.	3.9	6
22	Carbon nanodots enhanced performance of Cs <sub>0.15</sub> FA <sub>0.85</sub> PbI <sub>3</sub> perovskite solar cells. <i>Nano Research</i> , 2021, 14, 2294-2300.	10.4	15
23	Alternating current-driven quantum-dot light-emitting diodes with planar architecture. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	4
24	Three-phase electric power driven electroluminescent devices. <i>Nature Communications</i> , 2021, 12, 54.	12.8	21
25	Additive stabilization of SEI on graphite observed using cryo-electron microscopy. <i>Energy and Environmental Science</i> , 2021, 14, 4882-4889.	30.8	73
26	Progress of Quantum Dots and Perovskite as Color Conversion Materials for Full-color Display. <i>Chinese Journal of Luminescence</i> , 2021, 42, 419-447.	0.5	4
27	Alternating Current-Driven Color-Tunable Organic Light-Emitting Triodes. <i>Advanced Optical Materials</i> , 2021, 9, 2001655.	7.3	8
28	Performance Enhancement and Bending Restoration for Flexible Amorphous Indium Gallium Zinc Oxide Thin-Film Transistors by Low-Temperature Supercritical Dehydration Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 8584-8594.	8.0	20
29	Recent Advances in Multi-Layer Light-Emitting Heterostructure Transistors. <i>Small</i> , 2021, 17, e2007661.	10.0	14
30	Organic single crystal phototransistors: Recent approaches and achievements. <i>Frontiers of Physics</i> , 2021, 16, 1.	5.0	7
31	Multifunctional Benzo[4,5]thieno[3,2- <i>b</i> ]benzofuran Derivative with High Mobility and Luminescent Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 12250-12258.	8.0	23
32	Poor Stability of Li <sub>2</sub> CO <sub>3</sub> in the Solid Electrolyte Interphase of a Lithium-Metal Anode Revealed by Cryo-Electron Microscopy. <i>Advanced Materials</i> , 2021, 33, e2100404.	21.0	147
33	Stable Lithium Metal Anodes with a GaO <sub>x</sub> Artificial Solid Electrolyte Interphase in Damp Air. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 21467-21473.	8.0	9
34	Hysteresis effect in organic thin film transistors based on naphthalene tetracarboxylic diimide derivatives. <i>Applied Physics Letters</i> , 2021, 118, 193302.	3.3	8
35	Probing the Na metal solid electrolyte interphase via cryo-transmission electron microscopy. <i>Nature Communications</i> , 2021, 12, 3066.	12.8	92
36	Simplified dopant-free color-tunable organic light-emitting diodes. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	10

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37	İ€-Conjugated zwitterion for dual-interfacial modification in high-performance perovskite solar cells. <i>Chemical Engineering Journal</i> , 2021, 416, 129153.	12.7	3
38	A Facile Strategy for Synthesizing Organic Tannic Metal Salts as Advanced Energy Storage Anodes. <i>ChemElectroChem</i> , 2021, 8, 2686-2692.	3.4	6
39	Ultrathin and Ultrasensitive Direct X-ray Detector Based on Heterojunction Phototransistors. <i>Advanced Materials</i> , 2021, 33, e2101717.	21.0	38
40	Tuning the UV/Vis Absorption Spectra of Electrochromic Small Molecular Radicals Through Bridge Modulation. <i>ChemPhysChem</i> , 2021, 22, 1684-1691.	2.1	3
41	Regioregular Narrow-bandgap n-type Polymers with High Electron Mobility Enabling Highly Efficient All-polymer Solar Cells. <i>Advanced Materials</i> , 2021, 33, e2102635.	21.0	151
42	20.2: Invited Paper: DC/AC Three-terminal Organic Light-Emitting Devices. <i>Digest of Technical Papers SID International Symposium</i> , 2021, 52, 275-275.	0.3	0
43	Towards the design of ideal electrochromic materials with low driving voltage based on phthalate derivatives. <i>Organic Electronics</i> , 2021, 95, 106189.	2.6	2
44	Fluorene substituted thieno[3, 2-b]thiophene a new electrochromic conjugated polymer. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	7
45	Elucidating the Role of Substrates on Domain Distribution of Quasi-2D Perovskites for Blue Light-Emitting Diodes. <i>ACS Applied Electronic Materials</i> , 2021, 3, 4056-4065.	4.3	3
46	Highly-concentrated electrolyte incorporating Li-ion solvation sheath interphase for encapsulation-free organic electrochromic devices. <i>Electrochimica Acta</i> , 2021, 390, 138870.	5.2	2
47	Thiophene-2,5-diesters as electrochromic materials: The effect of ester groups on the device performance and stability. <i>Organic Electronics</i> , 2021, 96, 106188.	2.6	7
48	Solvent-Free Coating of Organic Semiconductor Membranes with Centimetric Crystalline Domains. <i>Advanced Electronic Materials</i> , 2021, 7, 2000792.	5.1	10
49	Novel spiro[fluorene-9,9'-xanthene]-based hole transport layers for red and green PHOLED devices with high efficiency and low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3247-3256.	5.5	12
50	Highly Efficient Phosphorescent Blue-Emitting [3+2+1] Coordinated Iridium (III) Complex for OLED Application. <i>Frontiers in Chemistry</i> , 2021, 9, 758357.	3.6	12
51	Quasi-2D CsPbBr <sub>3</sub> Composite Thin Films for Efficient and Stable Red Perovskite Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2021, 9, 2101419.	7.3	15
52	A Localized Planarization Strategy in Hole Mobility Modulation of Disordered Triphenylamine-Based Organic Semiconductors. <i>Advanced Theory and Simulations</i> , 2021, 4, 2100236.	2.8	0
53	Dibenzofuran-based iridium complexes as green emitters: Realizing PhOLEDs with high power efficiency and extremely low efficiency roll-off. <i>Dyes and Pigments</i> , 2020, 173, 107990.	3.7	11
54	A series of porphyrins as interfacial materials for inverted perovskite solar cells. <i>Organic Electronics</i> , 2020, 77, 105522.	2.6	18

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55	Interfacial modification for heightening the interaction between PEDOT and substrate towards enhanced flexible solid supercapacitor performance. <i>Chemical Engineering Journal</i> , 2020, 379, 122326.	12.7	52
56	Synthesis and characterization of new nonfullerene electron acceptors with a chrysene core. <i>Dyes and Pigments</i> , 2020, 174, 108012.	3.7	5
57	Inkjet printed uniform quantum dots as color conversion layers for full-color OLED displays. <i>Nanoscale</i> , 2020, 12, 2103-2110.	5.6	114
58	Highly Efficient Flexible Organic Light Emitting Transistor Based on High- $k$ Polymer Gate Dielectric. <i>Advanced Optical Materials</i> , 2020, 8, 1901651.	7.3	35
59	2,3-Dimethylindole as a donor for novel thermally activated delayed fluorescence emitters. <i>New Journal of Chemistry</i> , 2020, 44, 2961-2965.	2.8	2
60	Chlorination of Conjugated Side Chains To Enhance Intermolecular Interactions for Elevated Solar Conversion. <i>Macromolecules</i> , 2020, 53, 165-173.	4.8	19
61	The Effect of Oligo(Ethylene Oxide) Side Chains: A Strategy to Improve Contrast and Switching Speed in Electrochromic Polymers. <i>ChemPhysChem</i> , 2020, 21, 321-327.	2.1	13
62	Effects of the Electron-Deficient Third Components in n-Type Terpolymers on Morphology and Performance of All-Polymer Solar Cells. <i>Organic Materials</i> , 2020, 02, 214-222.	2.0	2
63	High- $k$ Boron Nitride Sheets/Polyimide Hybrid Dielectric Layers for the Fabrication of Flexible Organic Transistors on Commercial Graphite Paper. <i>Nano</i> , 2020, 15, 2050145.	1.0	1
64	A Terpolymer Acceptor Enabling All-Polymer Solar Cells with a Broad Donor:Acceptor Composition Tolerance and Enhanced Stability. <i>Solar Rrl</i> , 2020, 4, 2000436.	5.8	7
65	500 Wh $\text{kg}^{-1}$ Class Li Metal Battery Enabled by a Self-Organized Core-Shell Composite Anode. <i>Advanced Materials</i> , 2020, 32, e2004793.	21.0	86
66	Host-Free Deep-Blue Organic Light-Emitting Transistors Based on a Novel Fluorescent Emitter. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 40558-40565.	8.0	12
67	Defects Dominated Regulation of Fluorescence Properties of Copper Nanoclusters. <i>Journal of Physics: Conference Series</i> , 2020, 1635, 012102.	0.4	1
68	Surface/Deep Defects manipulated Fluorescence Properties and LED application of Copper Nanoclusters. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 729, 012015.	0.6	1
69	Fred Wudl. A giant in $\pi$ -conjugated materials. <i>Materials Chemistry Frontiers</i> , 2020, 4, 3398-3399.	5.9	0
70	Full Color Emission of Fluorescent Metal Nanoclusters Regulated by Doping Heteroatom. , 2020, , .		0
71	Anthracene derivatives as highly efficient deep-blue emitters with extremely low driving voltages, Von $\approx 2.7$ V. <i>Dyes and Pigments</i> , 2020, 180, 108458.	3.7	4
72	$\pi$ -Extended Spiro Core-Based Nonfullerene Electron-Transporting Material for High-Performance Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 2001073.	14.9	12

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73	Ionic-liquid induced enhanced performance of perovskite light-emitting diodes. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 384002.	2.8	5
74	Thermally stable organic thin film transistors based on 2-(anthracen-2-yl)tetracene. <i>Organic Electronics</i> , 2020, 85, 105787.	2.6	5
75	Phosphorescent OLEDs with extremely low efficiency roll-off enabled via rationally designed benzimidazole-based bipolar hosts. <i>Dyes and Pigments</i> , 2020, 180, 108477.	3.7	9
76	Bis(diphenylamino)-benzo[4,5]thieno[3,2-b]benzofuran as hole transport material for highly efficient RGB organic light-emitting diodes with low efficiency roll-off and long lifetime. <i>Organic Electronics</i> , 2020, 84, 105793.	2.6	15
77	Full-Color Micro-LED Display with CsPbBr <sub>3</sub> Perovskite and CdSe Quantum Dots as Color Conversion Layers. <i>Advanced Materials Technologies</i> , 2020, 5, 2000251.	5.8	83
78	Recent advances in high-performance organic solar cells enabled by acceptor-donor-acceptor-donor-acceptor (A <sup>2</sup> DA <sup>2</sup> A) type acceptors. <i>Materials Chemistry Frontiers</i> , 2020, 4, 3487-3504.	5.9	60
79	Inverted annealing enhanced performance of organic thin-film transistors and phototransistors based on 2-(4-dodecylphenyl) [1]benzothieno[3,2-b]benzothiophene. <i>Organic Electronics</i> , 2020, 85, 105791.	2.6	2
80	Fluorination of a polymer donor through the trifluoromethyl group for high-performance polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12149-12155.	10.3	12
81	Boosting Efficiency and Curtailing the Efficiency Roll-Off in Green Perovskite Light-Emitting Diodes via Incorporating Ytterbium as Cathode Interface Layer. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 18761-18768.	8.0	23
82	Gaining Insight into the Effect of Organic Interface Layer on Suppressing Ion Migration Induced Interfacial Degradation in Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 2000837.	14.9	29
83	Ultra-Bright 2D Assembled Copper Nanoclusters: Fluorescence Mechanism Exploration and LED Application. <i>Materials Science Forum</i> , 2020, 996, 20-25.	0.3	0
84	Trifluoromethyl Group-Modified Non-Fullerene Acceptor toward Improved Power Conversion Efficiency over 13% in Polymer Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 11543-11550.	8.0	34
85	Lead Zirconate Titanate (a piezoelectric ceramic)-Based thermal and tactile bimodal organic transistor sensors. <i>Organic Electronics</i> , 2020, 80, 105673.	2.6	14
86	Anthracene derivative based multifunctional liquid crystal materials for optoelectronic devices. <i>Materials Chemistry Frontiers</i> , 2020, 4, 3546-3555.	5.9	21
87	A Benzo[1,2 <i>b</i> :4,5 <i>c'</i> ]-Dithiophene-4,8-Dione-Based Polymer Donor Achieving an Efficiency Over 16%. <i>Advanced Materials</i> , 2020, 32, e1907059.	21.0	70
88	Evaluation of defects and current kinetics for aging analysis of PEDOT:PSS based supercapacitors. <i>Journal of Energy Storage</i> , 2020, 28, 101243.	8.1	11
89	Self-Regulated Phenomenon of Inorganic Artificial Solid Electrolyte Interphase for Lithium Metal Batteries. <i>Nano Letters</i> , 2020, 20, 4029-4037.	9.1	78
90	Wide band gap pyromellitic diimides for photo stable n-channel thin film transistors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7344-7349.	5.5	10

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91	Multicolored Cathodically Coloring Electrochromism and Electrofluorochromism in Regioisomeric Star-Shaped Carbazole Dibenzofurans. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 24156-24164.	8.0	31
92	Transition Metal Nitrides as Promising Catalyst Supports for Tuning CO/H <sub>2</sub> Syngas Production from Electrochemical CO <sub>2</sub> Reduction. <i>Angewandte Chemie</i> , 2020, 132, 11441-11444.	2.0	11
93	Diphenyl sulfone based multicolored cathodically coloring electrochromic materials with high contrast. <i>Organic Electronics</i> , 2020, 83, 105741.	2.6	15
94	Enhanced Photovoltaic Performance by Synergistic Effect of Chlorination and Selenophene $\pi$ -Bridge. <i>Macromolecules</i> , 2020, 53, 2893-2901.	4.8	22
95	Fluoro-alkyl substituted isothianaphthene bisimides as stable n-type semiconductors. <i>Materials Chemistry Frontiers</i> , 2020, 4, 3578-3584.	5.9	3
96	Transition Metal Nitrides as Promising Catalyst Supports for Tuning CO/H <sub>2</sub> Syngas Production from Electrochemical CO <sub>2</sub> Reduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11345-11348.	13.8	100
97	Hysteresis-Free, High-Performance Polymer-Dielectric Organic Field-Effect Transistors Enabled by Supercritical Fluid. <i>Research</i> , 2020, 2020, 6587102.	5.7	12
98	Recent Advancements in High-Performance Solid Electrolytes for Li-ion Batteries: Towards a Solid Future. <i>Current Nanoscience</i> , 2020, 16, 507-533.	1.2	0
99	Facile synthesis of enhanced photoluminescent Mg:CdZnS/Mg:ZnS core/shell quantum dots. <i>Materials Science in Semiconductor Processing</i> , 2019, 92, 96-102.	4.0	4
100	Boosting Efficiency and Stability of Organic Solar Cells Using Ultralow-Cost BiOCl Nanoplates as Hole Transporting Layers. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 33505-33514.	8.0	49
101	Self-assembled monolayers induced performance difference in organic single crystal field-effect transistors. <i>Organic Electronics</i> , 2019, 75, 105392.	2.6	3
102	Multi-colour electrochromic materials based on polyaromatic esters with low driving voltage. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9467-9473.	5.5	21
103	Extending the Photovoltaic Response of Perovskite Solar Cells into the Near-Infrared with a Narrow-Bandgap Organic Semiconductor. <i>Advanced Materials</i> , 2019, 31, e1904494.	21.0	71
104	Enzymatically Synthesized DNA Polymer as Co-carrier for Enhanced RNA Interference. <i>ACS Applied Bio Materials</i> , 2019, 2, 5204-5215.	4.6	9
105	Low-Voltage, High-Performance Flexible Organic Field-Effect Transistors Based on Ultrathin Single-Crystal Microribbons. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 34188-34195.	8.0	18
106	Isothianaphthene diimide: an air-stable n-type semiconductor. <i>Science China Chemistry</i> , 2019, 62, 1360-1364.	8.2	13
107	A "chain" strategy to construct a conjugated copolymer network for supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 116-123.	10.3	29
108	Revealing the mechanism of contrasting charge transport properties for phenyl and thienyl substituent organic semiconductors. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 4641-4649.	2.8	5

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109	Prompt Electrodeposition of Ni Nanodots on Ni Foam to Construct a High-Performance Water-Splitting Electrode: Efficient, Scalable, and Recyclable. <i>Nano-Micro Letters</i> , 2019, 11, 41.	27.0	24
110	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. <i>Organic Electronics</i> , 2019, 72, 1-5.	2.6	22
111	Highly efficient thermally activated delayed fluorescence yellow organic light-emitting diodes with a low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8063-8069.	5.5	21
112	Vacuum-Drying Processed Micrometer-Thick Stable CsPbBr <sub>3</sub> Perovskite Films with Efficient Blue-to-Green Photoconversion. <i>Small</i> , 2019, 15, 1901954.	10.0	21
113	Electrochromic Smart Windows Can Achieve an Absolute Private State through Thermochromically Engineered Electrolyte. <i>Advanced Energy Materials</i> , 2019, 9, 1900433.	19.5	88
114	A feasible strategy for the fabrication of camouflage electrochromic fabric and unconventional devices. <i>Electrochemistry Communications</i> , 2019, 102, 31-36.	4.7	33
115	Evolution of white organic light-emitting devices: from academic research to lighting and display applications. <i>Materials Chemistry Frontiers</i> , 2019, 3, 970-1031.	5.9	67
116	A Novel Hybrid-Layered Organic Phototransistor Enables Efficient Intermolecular Charge Transfer and Carrier Transport for Ultrasensitive Photodetection. <i>Advanced Materials</i> , 2019, 31, e1900763.	21.0	89
117	Highly fluorescent anthracene derivative as a non-fullerene acceptor in OSCs with small non-radiative energy loss of 0.22 eV and high PCEs of over 13%. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10212-10216.	10.3	22
118	Polysiloxane-poly(vinyl alcohol) composite dielectrics for high-efficiency low voltage organic thin film transistors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4879-4886.	5.5	13
119	Chlorination strategy on polymer donors toward efficient solar conversions. <i>Journal of Energy Chemistry</i> , 2019, 39, 208-216.	12.9	36
120	Facile synthesis of defect-rich nitrogen and sulfur Co-doped graphene quantum dots as metal-free electrocatalyst for the oxygen reduction reaction. <i>Journal of Alloys and Compounds</i> , 2019, 792, 844-850.	5.5	71
121	Humidity Sensor Based on Orange Dye and Graphene Solid Electrolyte Cells. <i>Russian Journal of Electrochemistry</i> , 2019, 55, 1391-1396.	0.9	13
122	Insight into in-plane isotropic transport in anthracene-based organic semiconductors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14275-14283.	5.5	10
123	Efficient thermally activated delayed fluorescence based on carbonitrile-substituted pyridine and carbazole. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13754-13758.	5.5	3
124	Enhancing the electrical and thermal stability of organic thin-film transistors by utilizing fluorinated polyimide and silicon dioxide bilayer gate dielectric. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47013.	2.6	6
125	Mechanical simulation of foldable AMOLED panel with a module structure. <i>Organic Electronics</i> , 2019, 65, 185-192.	2.6	41
126	Overcoming the trade-off between Voc and Jsc: Asymmetric chloro-substituted two-dimensional benzo[1,2-b:4,5-b']dithiophene-based polymer solar cells. <i>Dyes and Pigments</i> , 2019, 162, 746-754.	3.7	22



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127	Highly simplified blue phosphorescent organic light-emitting diodes incorporating exciplex-forming co-host assisting energy transfer. <i>Journal of Luminescence</i> , 2019, 206, 554-559.	3.1	11
128	Enhancing the performance of solution-processed organic thin-film transistors by blending binary compatible small molecule semiconductors. <i>Organic Electronics</i> , 2019, 64, 104-109.	2.6	10
129	3D printed stretchable capacitive sensors for highly sensitive tactile and electrochemical sensing. <i>Nanotechnology</i> , 2018, 29, 185501.	2.6	57
130	Chlorination of Side Chains: A Strategy for Achieving a High Open Circuit Voltage Over 1.0 V in Benzo[1,2-b:4,5-b <sup>€</sup> ]dithiophene-Based Non-Fullerene Solar Cells. <i>ACS Applied Energy Materials</i> , 2018, 1, 2365-2372.	5.1	54
131	Alkoxy substituted [1]benzothieno[3,2-b][1]benzothiophene derivative with improved performance in organic thin film transistors. <i>Organic Electronics</i> , 2018, 56, 68-75.	2.6	24
132	Development of fullerenes and their derivatives as semiconductors in field-effect transistors: exploring the molecular design. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3514-3537.	5.5	31
133	Versatile functionalization of trifluoromethyl based deep blue thermally activated delayed fluorescence materials for organic light emitting diodes. <i>New Journal of Chemistry</i> , 2018, 42, 4317-4323.	2.8	32
134	Synergistic effects of chlorination and a fully two-dimensional side-chain design on molecular energy level modulation toward non-fullerene photovoltaics. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2942-2951.	10.3	42
135	Intrinsic charge carrier mobility in single-crystal OFET by $\alpha$ -fast trapping vs. slow detrapping model. <i>Organic Electronics</i> , 2018, 54, 237-244.	2.6	15
136	Sulphur poisoning of solid oxide electrolysis cell anodes. <i>Electrochimica Acta</i> , 2018, 269, 188-195.	5.2	15
137	A non-fullerene small molecule processed with green solvent as an electron transporting material for high efficiency p-i-n perovskite solar cells. <i>Organic Electronics</i> , 2018, 52, 200-205.	2.6	40
138	A chrysene-based liquid crystalline semiconductor for organic thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3683-3689.	5.5	4
139	Reduced interface losses in inverted perovskite solar cells by using a simple dual-functional phenanthroline derivative. <i>Nano Energy</i> , 2018, 43, 72-80.	16.0	43
140	Thieno[3,2- <i>b</i> ]thiophene-based conjugated copolymers for solution-processable neutral black electrochromism. <i>Polymer Chemistry</i> , 2018, 9, 5608-5616.	3.9	46
141	Simplified efficient warm white tandem organic light-emitting devices by ultrathin emitters using energy transfer from exciplexes. <i>Organic Electronics</i> , 2018, 63, 369-375.	2.6	34
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