

Wenping Hu

List of Publications by Year in descending order

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712
papers

41,113
citations

2311

98
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4978

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757
docs citations

757
times ranked

31885
citing authors

#	ARTICLE	IF	CITATIONS
1	Semiconducting π -Conjugated Systems in Field-Effect Transistors: A Material Odyssey of Organic Electronics. <i>Chemical Reviews</i> , 2012, 112, 2208-2267.	23.0	3,164
2	Metal-organic frameworks as selectivity regulators for hydrogenation reactions. <i>Nature</i> , 2016, 539, 76-80.	13.7	1,201
3	25th Anniversary Article: Key Points for High-Mobility Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2013, 25, 6158-6183.	11.1	710
4	Organic semiconductor crystals. <i>Chemical Society Reviews</i> , 2018, 47, 422-500.	18.7	623
5	Organic photoresponse materials and devices. <i>Chemical Society Reviews</i> , 2012, 41, 1754-1808.	18.7	570
6	Ternary NiCo ₂ P Nanowires as pH-Universal Electrocatalysts for Highly Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2017, 29, 1605502.	11.1	544
7	High mobility emissive organic semiconductor. <i>Nature Communications</i> , 2015, 6, 10032.	5.8	420
8	Uniform hexagonal graphene flakes and films grown on liquid copper surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7992-7996.	3.3	417
9	Organic field-effect transistor-based gas sensors. <i>Chemical Society Reviews</i> , 2015, 44, 2087-2107.	18.7	373
10	Micro- and Nanocrystals of Organic Semiconductors. <i>Accounts of Chemical Research</i> , 2010, 43, 529-540.	7.6	370
11	Organic Semiconductor Single Crystals for Electronics and Photonics. <i>Advanced Materials</i> , 2018, 30, e1801048.	11.1	319
12	Organic crystalline materials in flexible electronics. <i>Chemical Society Reviews</i> , 2019, 48, 1492-1530.	18.7	314
13	High performance organic semiconductors for field-effect transistors. <i>Chemical Communications</i> , 2010, 46, 5211.	2.2	313
14	A Ferroelectric/Electrochemical Modulated Organic Synapse for Ultraflexible, Artificial Visual Perception System. <i>Advanced Materials</i> , 2018, 30, e1803961.	11.1	292
15	Short-Wave Near-Infrared Linear Dichroism of Two-Dimensional Germanium Selenide. <i>Journal of the American Chemical Society</i> , 2017, 139, 14976-14982.	6.6	286
16	2D Organic Materials for Optoelectronic Applications. <i>Advanced Materials</i> , 2018, 30, 1702415.	11.1	266
17	Solution-Processed, High-Performance Nanoribbon Transistors Based on Dithiopyrene. <i>Journal of the American Chemical Society</i> , 2011, 133, 1-3.	6.6	255
18	Cocrystals Strategy towards Materials for Near-Infrared Photothermal Conversion and Imaging. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3963-3967.	7.2	255

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19	Rational Design of Charge-Transfer Interactions in Halogen-Bonded Co-crystals toward Versatile Solid-State Optoelectronics. <i>Journal of the American Chemical Society</i> , 2015, 137, 11038-11046.	6.6	246
20	Organic photodiodes and phototransistors toward infrared detection: materials, devices, and applications. <i>Chemical Society Reviews</i> , 2020, 49, 653-670.	18.7	246
21	Cocrystal Engineering: A Collaborative Strategy toward Functional Materials. <i>Advanced Materials</i> , 2019, 31, e1902328.	11.1	245
22	High-Performance Air-Stable n-Type Transistors with an Asymmetrical Device Configuration Based on Organic Single-Crystalline Submicrometer/Nanometer Ribbons. <i>Journal of the American Chemical Society</i> , 2006, 128, 14634-14639.	6.6	242
23	Experimental Techniques for the Fabrication and Characterization of Organic Thin Films for Field-Effect Transistors. <i>Chemical Reviews</i> , 2011, 111, 3358-3406.	23.0	241
24	Topological supramolecular network enabled high-conductivity, stretchable organic bioelectronics. <i>Science</i> , 2022, 375, 1411-1417.	6.0	230
25	Anisotropic Photoresponse Properties of Single Micrometer-Sized GeSe Nanosheet. <i>Advanced Materials</i> , 2012, 24, 4528-4533.	11.1	229
26	Micrometer- and Nanometer-Sized Organic Single-Crystalline Transistors. <i>Advanced Materials</i> , 2008, 20, 2947-2951.	11.1	212
27	Organic Single-Crystalline p-n Junction Nanoribbons. <i>Journal of the American Chemical Society</i> , 2010, 132, 11580-11584.	6.6	208
28	Sulfur-Bridged Annulene-CNQ Co-Crystal: A Self-Assembled Molecular Level Heterojunction with Air Stable Ambipolar Charge Transport Behavior. <i>Advanced Materials</i> , 2012, 24, 2603-2607.	11.1	207
29	Fluorescence of Nonaromatic Organic Systems and Room Temperature Phosphorescence of Organic Luminogens: The Intrinsic Principle and Recent Progress. <i>Small</i> , 2018, 14, e1801560.	5.2	204
30	High Mobility, Air Stable, Organic Single Crystal Transistors of an n-Type Diperylene Bisimide. <i>Advanced Materials</i> , 2012, 24, 2626-2630.	11.1	199
31	Millimeter-Sized Molecular Monolayer Two-Dimensional Crystals. <i>Advanced Materials</i> , 2011, 23, 2059-2063.	11.1	198
32	Revealing the Charge-Transfer Interactions in Self-Assembled Organic Cocrystals: Two-Dimensional Photonic Applications. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6785-6789.	7.2	198
33	Few-Layer Graphdiyne Nanosheets Applied for Multiplexed Real-Time DNA Detection. <i>Advanced Materials</i> , 2017, 29, 1606755.	11.1	198
34	Synthesizing MnO ₂ nanosheets from graphene oxide templates for high performance pseudosupercapacitors. <i>Chemical Science</i> , 2012, 3, 433-437.	3.7	194
35	β-Cyclodextrin modified graphitic carbon nitride for the removal of pollutants from aqueous solution: experimental and theoretical calculation study. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14170-14179.	5.2	191
36	Charge Transport in Organic and Polymeric Semiconductors for Flexible and Stretchable Devices. <i>Advanced Materials</i> , 2016, 28, 4513-4523.	11.1	185

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37	Experimental and theoretical studies on competitive adsorption of aromatic compounds on reduced graphene oxides. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5654-5662.	5.2	185
38	High performance n-type and ambipolar small organic semiconductors for organic thin film transistors. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 22448-22457.	1.3	178
39	Recent Progress in Aromatic Polyimide Dielectrics for Organic Electronic Devices and Circuits. <i>Advanced Materials</i> , 2019, 31, e1806070.	11.1	176
40	Crystal Engineering of Organic Optoelectronic Materials. <i>CheM</i> , 2019, 5, 2814-2853.	5.8	175
41	Fullerene/Sulfur-Bridged Annulene Cocrystals: Two-Dimensional Segregated Heterojunctions with Ambipolar Transport Properties and Photoresponsivity. <i>Journal of the American Chemical Society</i> , 2013, 135, 558-561.	6.6	174
42	Electron Mobility Exceeding $10 \text{ cm}^2/\text{Vs}$ and Band-Like Charge Transport in Solution-Processed n-Channel Organic Thin-Film Transistors. <i>Advanced Materials</i> , 2016, 28, 5276-5283.	11.1	173
43	All-Solution-Processed, High-Performance n-Channel Organic Transistors and Circuits: Toward Low-Cost Ambient Electronics. <i>Advanced Materials</i> , 2011, 23, 2448-2453.	11.1	172
44	Band-like transport in small-molecule thin films toward high mobility and ultrahigh detectivity phototransistor arrays. <i>Nature Communications</i> , 2019, 10, 12.	5.8	172
45	2D Semiconducting Metal-Organic Framework Thin Films for Organic Spin Valves. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1118-1123.	7.2	172
46	Organic Light-Emitting Transistors: Materials, Device Configurations, and Operations. <i>Small</i> , 2016, 12, 1252-1294.	5.2	171
47	Vertical 2D $\text{MoO}_2/\text{MoSe}_2$ Core-Shell Nanosheet Arrays as High-Performance Electrocatalysts for Hydrogen Evolution Reaction. <i>Advanced Functional Materials</i> , 2016, 26, 8537-8544.	7.8	167
48	Light-Controlled Organic/Inorganic p-n Junction Nanowires. <i>Journal of the American Chemical Society</i> , 2008, 130, 9198-9199.	6.6	162
49	Organic Single-Crystalline Ribbons of a Rigid α -Type Anthracene Derivative and High-Performance, Short-Channel Field-Effect Transistors of Individual Micro/Nanometer-Sized Ribbons Fabricated by an Organic Ribbon Mask-Technique. <i>Advanced Materials</i> , 2008, 20, 2735-2740.	11.1	161
50	Aromatic Extension at 2,6-Positions of Anthracene toward an Elegant Strategy for Organic Semiconductors with Efficient Charge Transport and Strong Solid State Emission. <i>Journal of the American Chemical Society</i> , 2017, 139, 17261-17264.	6.6	158
51	High-Performance Air-Stable Bipolar Field-Effect Transistors of Organic Single-Crystalline Ribbons with an Air-Gap Dielectric. <i>Advanced Materials</i> , 2008, 20, 1511-1515.	11.1	157
52	Asymmetric Diketopyrrolopyrrole Conjugated Polymers for Field-Effect Transistors and Polymer Solar Cells Processed from a Nonchlorinated Solvent. <i>Advanced Materials</i> , 2016, 28, 943-950.	11.1	155
53	Side-chain engineering of green color electrochromic polymer materials: toward adaptive camouflage application. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2269-2273.	2.7	155
54	Organic single crystal field-effect transistors: advances and perspectives. <i>Journal of Materials Chemistry</i> , 2010, 20, 4994.	6.7	154

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55	A General Method for Growing Two-Dimensional Crystals of Organic Semiconductors by Solution Epitaxy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9519-9523.	7.2	153
56	The Emergence of Organic Single-Crystal Electronics. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1408-1428.	7.2	153
57	Competition between Arene-Perfluoroarene and Charge-Transfer Interactions in Organic Light-Harvesting Systems. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10352-10356.	7.2	152
58	Reduction of graphene oxide to highly conductive graphene by Lawesson's reagent and its electrical applications. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3104.	2.7	150
59	Tuning of the degree of charge transfer and the electronic properties in organic binary compounds by crystal engineering: a perspective. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1884-1902.	2.7	149
60	High-Performance Transistor Based on Individual Single-Crystalline Micrometer Wire of Perylo[1,12-b,c,d]thiophene. <i>Journal of the American Chemical Society</i> , 2007, 129, 1882-1883.	6.6	148
61	Intermolecular Charge-Transfer Interactions Facilitate Two-Photon Absorption in Styrylpyridine-Tetracyanobenzene Cocrystals. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7831-7835.	7.2	146
62	N-type 2D Organic Single Crystals for High-Performance Organic Field-Effect Transistors and Near-Infrared Phototransistors. <i>Advanced Materials</i> , 2018, 30, e1706260.	11.1	145
63	A One-Dimensional π -Conjugated Coordination Polymer for Sodium Storage with Catalytic Activity in Negishi Coupling. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14731-14739.	7.2	144
64	Molecular cocrystals: design, charge-transfer and optoelectronic functionality. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6009-6023.	1.3	143
65	Nanowire Crystals of a Rigid Rod Conjugated Polymer. <i>Journal of the American Chemical Society</i> , 2009, 131, 17315-17320.	6.6	141
66	Effective and Selective Catalysts for Cinnamaldehyde Hydrogenation: Hydrophobic Hybrids of Metal-Organic Frameworks, Metal Nanoparticles, and Micro- and Mesoporous Polymers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5708-5713.	7.2	137
67	Assembled Organic/Inorganic π -n Junction Interface and Photovoltaic Cell on a Single Nanowire. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 327-330.	2.1	134
68	Single-Crystalline, Size, and Orientation Controllable Nanowires and Ultralong Microwires of Organic Semiconductor with Strong Photoswitching Property. <i>Journal of the American Chemical Society</i> , 2008, 130, 3937-3941.	6.6	133
69	Near-Equilibrium Chemical Vapor Deposition of High-Quality Single-Crystal Graphene Directly on Various Dielectric Substrates. <i>Advanced Materials</i> , 2014, 26, 1348-1353.	11.1	132
70	Charge-Transfer Complex Crystal Based on Extended π -Conjugated Acceptor and Sulfur-Bridged Annulene: Charge-Transfer Interaction and Remarkable High Ambipolar Transport Characteristics. <i>Advanced Materials</i> , 2014, 26, 4093-4099.	11.1	132
71	Space-Confined Strategy toward Large-Area Two-Dimensional Single Crystals of Molecular Materials. <i>Journal of the American Chemical Society</i> , 2018, 140, 5339-5342.	6.6	132
72	Amplified Spontaneous Emission Based on 2D Ruddlesden-Popper Perovskites. <i>Advanced Functional Materials</i> , 2018, 28, 1707006.	7.8	129

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73	Carbogenic Nanozyme with Ultrahigh Reactive Nitrogen Species Selectivity for Traumatic Brain Injury. <i>Nano Letters</i> , 2019, 19, 4527-4534.	4.5	126
74	High-Performance Organic Single-Crystal Transistors and Digital Inverters of an Anthracene Derivative. <i>Advanced Materials</i> , 2009, 21, 3649-3653.	11.1	125
75	Spiro-OMeTAD single crystals: Remarkably enhanced charge-carrier transport via mesoscale ordering. <i>Science Advances</i> , 2016, 2, e1501491.	4.7	122
76	Formation of Septuple-Shelled $(\text{Co}_{2/3}\text{Mn}_{1/3})(\text{Co}_{5/6}\text{Mn}_{1/6})_2\text{O}_4$ Hollow Spheres as Electrode Material for Alkaline Rechargeable Battery. <i>Advanced Materials</i> , 2017, 29, 1700550.	11.1	122
77	Synthesis of large-area, few-layer graphene on iron foil by chemical vapor deposition. <i>Nano Research</i> , 2011, 4, 1208-1214.	5.8	120
78	High-Performance Phototransistors Based on Organic Microribbons Prepared by a Solution Self-Assembly Process. <i>Advanced Functional Materials</i> , 2010, 20, 1019-1024.	7.8	119
79	Bottom-up growth of n-type monolayer molecular crystals on polymeric substrate for optoelectronic device applications. <i>Nature Communications</i> , 2018, 9, 2933.	5.8	118
80	A Robust Nonvolatile Resistive Memory Device Based on a Freestanding Ultrathin 2D Imine Polymer Film. <i>Advanced Materials</i> , 2019, 31, e1902264.	11.1	117
81	The Semiconductor/Conductor Interface Piezoresistive Effect in an Organic Transistor for Highly Sensitive Pressure Sensors. <i>Advanced Materials</i> , 2019, 31, e1805630.	11.1	115
82	Constructing Universal Ionic Sieves via Alignment of Two-Dimensional Covalent Organic Frameworks (COFs). <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16072-16076.	7.2	115
83	Mesopolymer synthesis by ligand-modulated direct arylation polycondensation towards n-type and ambipolar conjugated systems. <i>Nature Chemistry</i> , 2019, 11, 271-277.	6.6	115
84	Assembly of Nanoscale Organic Single-Crystal Cross-Wire Circuits. <i>Advanced Materials</i> , 2009, 21, 4234-4237.	11.1	109
85	Morphology control for high performance organic thin film transistors. <i>Chemical Science</i> , 2011, 2, 590-600.	3.7	108
86	Fine-Tuning Intrinsic Strain in Penta-Twinned Pt-Cu-Mn Nanoframes Boosts Oxygen Reduction Catalysis. <i>Advanced Functional Materials</i> , 2020, 30, 1910107.	7.8	108
87	Thin film field-effect transistors of 2,6-diphenyl anthracene (DPA). <i>Chemical Communications</i> , 2015, 51, 11777-11779.	2.2	107
88	Approaching Intra- and Interchain Charge Transport of Conjugated Polymers Facilely by Topochemical Polymerized Single Crystals. <i>Advanced Materials</i> , 2017, 29, 1701251.	11.1	107
89	Micrometer-Sized Organic Single Crystals, Anisotropic Transport, and Field-Effect Transistors of a Fused-Ring Thienoacene. <i>Advanced Materials</i> , 2009, 21, 4492-4495.	11.1	106
90	Substrate-Free Ultra-Flexible Organic Field-Effect Transistors and Five-Stage Ring Oscillators. <i>Advanced Materials</i> , 2013, 25, 5455-5460.	11.1	106

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91	Porphyrin Supramolecular 1D Structures via Surfactant-Assisted Self-Assembly. <i>Advanced Materials</i> , 2015, 27, 5379-5387.	11.1	106
92	Tuning the Crystal Polymorphs of Alkyl Thienoacene via Solution Self-Assembly Toward Air-Stable and High-Performance Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2015, 27, 825-830.	11.1	106
93	Design and effective synthesis methods for high-performance polymer semiconductors in organic field-effect transistors. <i>Materials Chemistry Frontiers</i> , 2017, 1, 2423-2456.	3.2	106
94	Deepening Insights of Charge Transfer and Photophysics in a Novel Donor-Acceptor Cocrystal for Waveguide Couplers and Photonic Logic Computation. <i>Advanced Materials</i> , 2016, 28, 5954-5962.	11.1	105
95	Highly transparent, strong, and flexible fluorographene/fluorinated polyimide nanocomposite films with low dielectric constant. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6378-6384.	2.7	105
96	Tandem catalysis in electrochemical CO ₂ reduction reaction. <i>Nano Research</i> , 2021, 14, 4471-4486.	5.8	105
97	Controlling the Growth of Single Crystalline Nanoribbons of Copper Tetracyanoquinodimethane for the Fabrication of Devices and Device Arrays. <i>Journal of the American Chemical Society</i> , 2006, 128, 12917-12922.	6.6	104
98	Competition between Arene-Perfluoroarene and Charge-Transfer Interactions in Organic Light-Harvesting Systems. <i>Angewandte Chemie</i> , 2017, 129, 10488-10492.	1.6	104
99	High-Performance, Stable Organic Field-Effect Transistors Based on <i>trans</i> -1,2-(Dithieno[2,3- <i>b</i> :3',2'- <i>d</i>]thiophene)ethene. <i>Chemistry of Materials</i> , 2009, 21, 1993-1999.	3.2	103
100	Cruciforms: Assembling Single Crystal Micro- and Nanostructures from One to Three Dimensions and Their Applications in Organic Field-Effect Transistors. <i>Chemistry of Materials</i> , 2009, 21, 2840-2845.	3.2	103
101	Uncovering the Intramolecular Emission and Tuning the Nonlinear Optical Properties of Organic Materials by Cocrystallization. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14023-14027.	7.2	103
102	Ordering of conjugated polymer molecules: recent advances and perspectives. <i>Polymer Chemistry</i> , 2013, 4, 5197.	1.9	101
103	Pathway Manipulation via Ni, Co, and V Ternary Synergism to Realize High Efficiency for Urea Electrochemical Oxidation. <i>ACS Catalysis</i> , 2022, 12, 569-579.	5.5	101
104	Solvatomechanical Bending of Organic Charge Transfer Cocrystal. <i>Journal of the American Chemical Society</i> , 2018, 140, 6186-6189.	6.6	100
105	Recent Advances in Atomic-Level Engineering of Nanostructured Catalysts for Electrochemical CO ₂ Reduction. <i>Advanced Functional Materials</i> , 2020, 30, 1910534.	7.8	100
106	9-Alkylidene-9- <i>H</i> -Fluorene-Containing Polymer for High-Efficiency Polymer Solar Cells. <i>Macromolecules</i> , 2011, 44, 7617-7624.	2.2	99
107	Solution-Processed Centimeter-Scale Highly Aligned Organic Crystalline Arrays for High-Performance Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2020, 32, e1908388.	11.1	99
108	Organic Light-Emitting Transistors Entering a New Development Stage. <i>Advanced Materials</i> , 2021, 33, e2007149.	11.1	99

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109	Efficient Perovskite Solar Cells Fabricated by Co Partially Substituted Hybrid Perovskite. <i>Advanced Energy Materials</i> , 2018, 8, 1703178.	10.2	98
110	Channel-restricted meniscus self-assembly for uniformly aligned growth of single-crystal arrays of organic semiconductors. <i>Materials Today</i> , 2019, 24, 17-25.	8.3	98
111	High Efficiency Single Component Organic Light Emitting Transistors. <i>Advanced Materials</i> , 2019, 31, e1903175.	11.1	98
112	Bulk Chiral Halide Perovskite Single Crystals for Active Circular Dichroism and Circularly Polarized Luminescence. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1689-1696.	2.1	98
113	Competitive Adsorption of Pb ^{II} , Ni ^{II} , and Sr ^{II} Ions on Graphene Oxides: A Combined Experimental and Theoretical Study. <i>ChemPlusChem</i> , 2015, 80, 480-484.	1.3	97
114	Quinoline-Flanked Diketopyrrolopyrrole Copolymers Breaking through Electron Mobility over 6 cm ² V ⁻¹ s ⁻¹ in Flexible Thin Film Devices. <i>Advanced Materials</i> , 2018, 30, 1704843.	11.1	97
115	2D Covalent Organic Frameworks: From Synthetic Strategies to Advanced Optical-Electrical-Magnetic Functionalities. <i>Advanced Materials</i> , 2022, 34, e2102290.	11.1	96
116	A Retina-Like Dual Band Organic Photosensor Array for Filter-Free Near-Infrared-to-Memory Operations. <i>Advanced Materials</i> , 2017, 29, 1701772.	11.1	95
117	Organic Field-Effect Transistor for Energy-Related Applications: Low-Power-Consumption Devices, Near-Infrared Phototransistors, and Organic Thermoelectric Devices. <i>Advanced Energy Materials</i> , 2018, 8, 1801003.	10.2	95
118	Persistent organic room temperature phosphorescence: what is the role of molecular dimers?. <i>Chemical Science</i> , 2020, 11, 833-838.	3.7	94
119	Scalable Fabrication of Highly Crystalline Organic Semiconductor Thin Film by Channel-Restricted Screen Printing toward the Low-Cost Fabrication of High-Performance Transistor Arrays. <i>Advanced Materials</i> , 2019, 31, e1807975.	11.1	93
120	Mica, a Potential Two-Dimensional Crystal Gate Insulator for Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2011, 23, 5502-5507.	11.1	92
121	Organic Laser Molecule with High Mobility, High Photoluminescence Quantum Yield, and Deep-Blue Lasing Characteristics. <i>Journal of the American Chemical Society</i> , 2020, 142, 6332-6339.	6.6	90
122	Monolayer Two-Dimensional Molecular Crystals for an Ultrasensitive OFET-Based Chemical Sensor. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4380-4384.	7.2	90
123	Highly active MnO ₂ nanosheet synthesis from graphene oxide templates and their application in efficient oxidative degradation of methylene blue. <i>RSC Advances</i> , 2013, 3, 12909.	1.7	89
124	A high energy density azobenzene/graphene hybrid: a nano-templated platform for solar thermal storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11787-11795.	5.2	89
125	Efficient perovskite solar cells by hybrid perovskites incorporated with heterovalent neodymium cations. <i>Nano Energy</i> , 2019, 61, 352-360.	8.2	89
126	Regulating the Solvation Sheath of Li Ions by Using Hydrogen Bonds for Highly Stable Lithium-Metal Anodes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10871-10879.	7.2	89

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127	Electric Current Induced Reduction of Graphene Oxide and Its Application as Gap Electrodes in Organic Photoswitching Devices. <i>Advanced Materials</i> , 2010, 22, 5008-5012.	11.1	88
128	Coaxial Organic p-n Heterojunction Nanowire Arrays: One-Step Synthesis and Photoelectric Properties. <i>Advanced Materials</i> , 2012, 24, 2332-2336.	11.1	88
129	Gibbs-Curie-Wulff Theorem in Organic Materials: A Case Study on the Relationship between Surface Energy and Crystal Growth. <i>Advanced Materials</i> , 2016, 28, 1697-1702.	11.1	88
130	Synthesis of a Conjugated Polymer with Broad Absorption and Its Application in High-Performance Phototransistors. <i>Macromolecules</i> , 2012, 45, 1296-1302.	2.2	86
131	Successive Storage of Cations and Anions by Ligands of Conjugated Coordination Polymers Enabling Robust Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18769-18776.	7.2	86
132	Interface engineering for high-performance organic field-effect transistors. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14165.	1.3	85
133	Organic field-effect optical waveguides. <i>Nature Communications</i> , 2018, 9, 4790.	5.8	85
134	Dibenzothiophene Derivatives: From Herringbone to Lamellar Packing Motif. <i>Crystal Growth and Design</i> , 2010, 10, 4155-4160.	1.4	84
135	Surface-grafting polymers: from chemistry to organic electronics. <i>Materials Chemistry Frontiers</i> , 2020, 4, 692-714.	3.2	84
136	Creating Organic Functional Materials beyond Chemical Bond Synthesis by Organic Cocrystal Engineering. <i>Journal of the American Chemical Society</i> , 2021, 143, 19243-19256.	6.6	84
137	Rational Control of Charge Transfer Excitons Toward High-Contrast Reversible Mechanoresponsive Luminescent Switching. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17580-17586.	7.2	83
138	Phase dependence of single crystalline transistors of tetrathiafulvalene. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	82
139	Porphyrim Nanoassemblies via Surfactant-Assisted Assembly and Single Nanofiber Nanoelectronic Sensors for High-Performance H ₂ O ₂ Vapor Sensing. <i>ACS Nano</i> , 2014, 8, 3402-3411.	7.3	82
140	Inkjet Printing Short-Channel Polymer Transistors with High Performance and Ultrahigh Photoresponsivity. <i>Advanced Materials</i> , 2014, 26, 4683-4689.	11.1	82
141	Metastable Copper-Phthalocyanine Single-Crystal Nanowires and Their Use in Fabricating High-Performance Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2009, 19, 3776-3780.	7.8	81
142	Efficient ambipolar transport properties in alternate stacking donor-acceptor complexes: from experiment to theory. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14094-14103.	1.3	81
143	Multilevel Investigation of Charge Transport in Conjugated Polymers. <i>Accounts of Chemical Research</i> , 2016, 49, 2435-2443.	7.6	81
144	The odd-even effect of alkyl chain in organic room temperature phosphorescence luminogens and the corresponding <i>in vivo</i> imaging. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1391-1397.	3.2	81

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145	Small-Molecule-Doped Organic Crystals with Long-Persistent Luminescence. <i>Advanced Functional Materials</i> , 2019, 29, 1902503.	7.8	80
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