

Wenping Hu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/328329/publications.pdf>

Version: 2024-02-01

712
papers

41,113
citations

2322

98
h-index

4885

168
g-index

757
all docs

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.	47.7	3,164
2	Metal-organic frameworks as selectivity regulators for hydrogenation reactions. <i>Nature</i> , 2016, 539, 76-80.	27.8	1,201
3	25th Anniversary Article: Key Points for High-Mobility Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2013, 25, 6158-6183.	21.0	710
4	Organic semiconductor crystals. <i>Chemical Society Reviews</i> , 2018, 47, 422-500.	38.1	623
5	Organic photoresponse materials and devices. <i>Chemical Society Reviews</i> , 2012, 41, 1754-1808.	38.1	570
6	Ternary NiCo ₂ P Nanowires as pH-Universal Electrocatalysts for Highly Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2017, 29, 1605502.	21.0	544
7	High mobility emissive organic semiconductor. <i>Nature Communications</i> , 2015, 6, 10032.	12.8	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.	7.1	417
9	Organic field-effect transistor-based gas sensors. <i>Chemical Society Reviews</i> , 2015, 44, 2087-2107.	38.1	373
10	Micro- and Nanocrystals of Organic Semiconductors. <i>Accounts of Chemical Research</i> , 2010, 43, 529-540.	15.6	370
11	Organic Semiconductor Single Crystals for Electronics and Photonics. <i>Advanced Materials</i> , 2018, 30, e1801048.	21.0	319
12	Organic crystalline materials in flexible electronics. <i>Chemical Society Reviews</i> , 2019, 48, 1492-1530.	38.1	314
13	High performance organic semiconductors for field-effect transistors. <i>Chemical Communications</i> , 2010, 46, 5211.	4.1	313
14	A Ferroelectric/Electrochemical Modulated Organic Synapse for Ultraflexible, Artificial Visual Perception System. <i>Advanced Materials</i> , 2018, 30, e1803961.	21.0	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.	13.7	286
16	2D Organic Materials for Optoelectronic Applications. <i>Advanced Materials</i> , 2018, 30, 1702415.	21.0	266
17	Solution-Processed, High-Performance Nanoribbon Transistors Based on Dithiopyrene. <i>Journal of the American Chemical Society</i> , 2011, 133, 1-3.	13.7	255
18	Cocrystals Strategy towards Materials for Near-Infrared Photothermal Conversion and Imaging. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3963-3967.	13.8	255

#	ARTICLE	IF	CITATIONS
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.	13.7	246
20	Organic photodiodes and phototransistors toward infrared detection: materials, devices, and applications. <i>Chemical Society Reviews</i> , 2020, 49, 653-670.	38.1	246
21	Cocrystal Engineering: A Collaborative Strategy toward Functional Materials. <i>Advanced Materials</i> , 2019, 31, e1902328.	21.0	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.	13.7	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.	47.7	241
24	Topological supramolecular network enabled high-conductivity, stretchable organic bioelectronics. <i>Science</i> , 2022, 375, 1411-1417.	12.6	230
25	Anisotropic Photoresponse Properties of Single Micrometer-Sized GeSe Nanosheet. <i>Advanced Materials</i> , 2012, 24, 4528-4533.	21.0	229
26	Micrometer- and Nanometer-Sized Organic Single-Crystalline Transistors. <i>Advanced Materials</i> , 2008, 20, 2947-2951.	21.0	212
27	Organic Single-Crystalline p-n Junction Nanoribbons. <i>Journal of the American Chemical Society</i> , 2010, 132, 11580-11584.	13.7	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.	21.0	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.	10.0	204
30	High Mobility, Air Stable, Organic Single Crystal Transistors of an n-Type Diperylene Bisimide. <i>Advanced Materials</i> , 2012, 24, 2626-2630.	21.0	199
31	Millimeter-Sized Molecular Monolayer Two-Dimensional Crystals. <i>Advanced Materials</i> , 2011, 23, 2059-2063.	21.0	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.	13.8	198
33	Few-Layer Graphdiyne Nanosheets Applied for Multiplexed Real-Time DNA Detection. <i>Advanced Materials</i> , 2017, 29, 1606755.	21.0	198
34	Synthesizing MnO ₂ nanosheets from graphene oxide templates for high performance pseudosupercapacitors. <i>Chemical Science</i> , 2012, 3, 433-437.	7.4	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.	10.3	191
36	Charge Transport in Organic and Polymeric Semiconductors for Flexible and Stretchable Devices. <i>Advanced Materials</i> , 2016, 28, 4513-4523.	21.0	185

#	ARTICLE	IF	CITATIONS
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.	10.3	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.	2.8	178
39	Recent Progress in Aromatic Polyimide Dielectrics for Organic Electronic Devices and Circuits. <i>Advanced Materials</i> , 2019, 31, e1806070.	21.0	176
40	Crystal Engineering of Organic Optoelectronic Materials. <i>CheM</i> , 2019, 5, 2814-2853.	11.7	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.	13.7	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.	21.0	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.	21.0	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.	12.8	172
45	2D Semiconducting Metal-Organic Framework Thin Films for Organic Spin Valves. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1118-1123.	13.8	172
46	Organic Light-Emitting Transistors: Materials, Device Configurations, and Operations. <i>Small</i> , 2016, 12, 1252-1294.	10.0	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.	14.9	167
48	Light-Controlled Organic/Inorganic p-n Junction Nanowires. <i>Journal of the American Chemical Society</i> , 2008, 130, 9198-9199.	13.7	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.	21.0	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.	13.7	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.	21.0	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.	21.0	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.	5.5	155
54	Organic single crystal field-effect transistors: advances and perspectives. <i>Journal of Materials Chemistry</i> , 2010, 20, 4994.	6.7	154

#	ARTICLE	IF	CITATIONS
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.	13.8	153
56	The Emergence of Organic Single-Crystal Electronics. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1408-1428.	13.8	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.	13.8	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.	5.5	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.	5.5	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.	13.7	148
61	Intermolecular Charge-Transfer Interactions Facilitate Two-Photon Absorption in Styrylpyridine-Tetracyanobenzene Cocrystals. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7831-7835.	13.8	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.	21.0	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.	13.8	144
64	Molecular cocrystals: design, charge-transfer and optoelectronic functionality. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6009-6023.	2.8	143
65	Nanowire Crystals of a Rigid Rod Conjugated Polymer. <i>Journal of the American Chemical Society</i> , 2009, 131, 17315-17320.	13.7	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.	13.8	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.	4.6	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.	13.7	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.	21.0	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.	21.0	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.	13.7	132
72	Amplified Spontaneous Emission Based on 2D Ruddlesden-Popper Perovskites. <i>Advanced Functional Materials</i> , 2018, 28, 1707006.	14.9	129

#	ARTICLE	IF	CITATIONS
73	Carbogenic Nanozyme with Ultrahigh Reactive Nitrogen Species Selectivity for Traumatic Brain Injury. <i>Nano Letters</i> , 2019, 19, 4527-4534.	9.1	126
74	High-Performance Organic Single-Crystal Transistors and Digital Inverters of an Anthracene Derivative. <i>Advanced Materials</i> , 2009, 21, 3649-3653.	21.0	125
75	Spiro-OMeTAD single crystals: Remarkably enhanced charge-carrier transport via mesoscale ordering. <i>Science Advances</i> , 2016, 2, e1501491.	10.3	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.	21.0	122
77	Synthesis of large-area, few-layer graphene on iron foil by chemical vapor deposition. <i>Nano Research</i> , 2011, 4, 1208-1214.	10.4	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.	14.9	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.	12.8	118
80	A Robust Nonvolatile Resistive Memory Device Based on a Freestanding Ultrathin 2D Imine Polymer Film. <i>Advanced Materials</i> , 2019, 31, e1902264.	21.0	117
81	The Semiconductor/Conductor Interface Piezoresistive Effect in an Organic Transistor for Highly Sensitive Pressure Sensors. <i>Advanced Materials</i> , 2019, 31, e1805630.	21.0	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.	13.8	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.	13.6	115
84	Assembly of Nanoscale Organic Single-Crystal Cross-Wire Circuits. <i>Advanced Materials</i> , 2009, 21, 4234-4237.	21.0	109
85	Morphology control for high performance organic thin film transistors. <i>Chemical Science</i> , 2011, 2, 590-600.	7.4	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.	14.9	108
87	Thin film field-effect transistors of 2,6-diphenyl anthracene (DPA). <i>Chemical Communications</i> , 2015, 51, 11777-11779.	4.1	107
88	Approaching Intra- and Interchain Charge Transport of Conjugated Polymers Facilely by Topochemical Polymerized Single Crystals. <i>Advanced Materials</i> , 2017, 29, 1701251.	21.0	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.	21.0	106
90	Substrate-Free Ultra-Flexible Organic Field-Effect Transistors and Five-Stage Ring Oscillators. <i>Advanced Materials</i> , 2013, 25, 5455-5460.	21.0	106

#	ARTICLE	IF	CITATIONS
91	Porphyrin Supramolecular 1D Structures via Surfactant-Assisted Self-Assembly. <i>Advanced Materials</i> , 2015, 27, 5379-5387.	21.0	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.	21.0	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.	5.9	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.	21.0	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.	5.5	105
96	Tandem catalysis in electrochemical CO ₂ reduction reaction. <i>Nano Research</i> , 2021, 14, 4471-4486.	10.4	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.	13.7	104
98	Competition between Arene-Perfluoroarene and Charge-Transfer Interactions in Organic Light-Harvesting Systems. <i>Angewandte Chemie</i> , 2017, 129, 10488-10492.	2.0	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.	6.7	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.	6.7	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.	13.8	103
102	Ordering of conjugated polymer molecules: recent advances and perspectives. <i>Polymer Chemistry</i> , 2013, 4, 5197.	3.9	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.	11.2	101
104	Solvatomechanical Bending of Organic Charge Transfer Cocrystal. <i>Journal of the American Chemical Society</i> , 2018, 140, 6186-6189.	13.7	100
105	Recent Advances in Atomic-Level Engineering of Nanostructured Catalysts for Electrochemical CO ₂ Reduction. <i>Advanced Functional Materials</i> , 2020, 30, 1910534.	14.9	100
106	9-Alkylidene-9- <i>H</i> -Fluorene-Containing Polymer for High-Efficiency Polymer Solar Cells. <i>Macromolecules</i> , 2011, 44, 7617-7624.	4.8	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.	21.0	99
108	Organic Light-Emitting Transistors Entering a New Development Stage. <i>Advanced Materials</i> , 2021, 33, e2007149.	21.0	99

#	ARTICLE	IF	CITATIONS
109	Efficient Perovskite Solar Cells Fabricated by Co Partially Substituted Hybrid Perovskite. <i>Advanced Energy Materials</i> , 2018, 8, 1703178.	19.5	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.	14.2	98
111	High Efficiency Single Component Organic Light Emitting Transistors. <i>Advanced Materials</i> , 2019, 31, e1903175.	21.0	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.	4.6	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.	2.8	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.	21.0	97
115	2D Covalent Organic Frameworks: From Synthetic Strategies to Advanced Optical-Electrical-Magnetic Functionalities. <i>Advanced Materials</i> , 2022, 34, e2102290.	21.0	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.	21.0	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.	19.5	95
118	Persistent organic room temperature phosphorescence: what is the role of molecular dimers?. <i>Chemical Science</i> , 2020, 11, 833-838.	7.4	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.	21.0	93
120	Mica, a Potential Two-Dimensional Crystal Gate Insulator for Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2011, 23, 5502-5507.	21.0	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.	13.7	90
122	Monolayer Two-Dimensional Molecular Crystals for an Ultrasensitive OFET-Based Chemical Sensor. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4380-4384.	13.8	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.	3.6	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.	10.3	89
125	Efficient perovskite solar cells by hybrid perovskites incorporated with heterovalent neodymium cations. <i>Nano Energy</i> , 2019, 61, 352-360.	16.0	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.	13.8	89

#	ARTICLE	IF	CITATIONS
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.	21.0	88
128	Coaxial Organic p-n Heterojunction Nanowire Arrays: One-Step Synthesis and Photoelectric Properties. <i>Advanced Materials</i> , 2012, 24, 2332-2336.	21.0	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.	21.0	88
130	Synthesis of a Conjugated Polymer with Broad Absorption and Its Application in High-Performance Phototransistors. <i>Macromolecules</i> , 2012, 45, 1296-1302.	4.8	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.	13.8	86
132	Interface engineering for high-performance organic field-effect transistors. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14165.	2.8	85
133	Organic field-effect optical waveguides. <i>Nature Communications</i> , 2018, 9, 4790.	12.8	85
134	Dibenzothiophene Derivatives: From Herringbone to Lamellar Packing Motif. <i>Crystal Growth and Design</i> , 2010, 10, 4155-4160.	3.0	84
135	Surface-grafting polymers: from chemistry to organic electronics. <i>Materials Chemistry Frontiers</i> , 2020, 4, 692-714.	5.9	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.	13.7	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.	13.8	83
138	Phase dependence of single crystalline transistors of tetrathiafulvalene. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	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.	14.6	82
140	Inkjet Printing Short-Channel Polymer Transistors with High-Performance and Ultrahigh Photoresponsivity. <i>Advanced Materials</i> , 2014, 26, 4683-4689.	21.0	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.	14.9	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.	2.8	81
143	Multilevel Investigation of Charge Transport in Conjugated Polymers. <i>Accounts of Chemical Research</i> , 2016, 49, 2435-2443.	15.6	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.	5.9	81

#	ARTICLE	IF	CITATIONS
145	Small-Molecule-Doped Organic Crystals with Long-Persistent Luminescence. <i>Advanced Functional Materials</i> , 2019, 29, 1902503.	14.9	80
146	High Performance Polymer Nanowire Field-Effect Transistors with Distinct Molecular Orientations. <i>Advanced Materials</i> , 2015, 27, 4963-4968.	21.0	79
147	Precisely Tailoring the Stoichiometric Stacking of Perylene-TCNQ Co-Crystals towards Different Nano and Microstructures with Varied Optoelectronic Performances. <i>Small</i> , 2015, 11, 2150-2156.	10.0	79
148	Surface Polarity and Self-Structured Nanogrooves Collaboratively Oriented Molecular Packing for High Crystallinity toward Efficient Charge Transport. <i>Journal of the American Chemical Society</i> , 2017, 139, 2734-2740.	13.7	79
149	Organic-Inorganic Hybrid Nanomaterials for Electrocatalytic CO ₂ Reduction. <i>Small</i> , 2020, 16, e2001847.	10.0	79
150	High-Performance Organic Single-Crystal Field-Effect Transistors of Indolo[3,2-b]carbazole and Their Potential Applications in Gas Controlled Organic Memory Devices. <i>Advanced Materials</i> , 2011, 23, 5075-5080.	21.0	78
151	Two-Dimensional High-Quality Monolayered Triangular WS ₂ Flakes for Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22435-22444.	8.0	77
152	A Self-Assembled Nano Optical Switch and Transistor Based on a Rigid Conjugated Polymer, Thioacetyl-End-Functionalized Poly(para-phenylene ethynylene). <i>Journal of the American Chemical Society</i> , 2005, 127, 2804-2805.	13.7	76
153	Effect of Alkyl Side Chains of Conjugated Polymer Donors on the Device Performance of Non-Fullerene Solar Cells. <i>Macromolecules</i> , 2016, 49, 6445-6454.	4.8	76
154	Copolymer dielectrics with balanced chain-packing density and surface polarity for high-performance flexible organic electronics. <i>Nature Communications</i> , 2018, 9, 2339.	12.8	76
155	Thermally Activated Delayed Fluorescence in an Organic Cocrystal: Narrowing the Singlet-Triplet Energy Gap via Charge Transfer. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11311-11316.	13.8	76
156	Solution-Processed Large-Area Nanocrystal Arrays of Metal-Organic Frameworks as Wearable, Ultrasensitive, Electronic Skin for Health Monitoring. <i>Small</i> , 2015, 11, 3351-3356.	10.0	75
157	Color-Tunable Supramolecular Luminescent Materials. <i>Advanced Materials</i> , 2022, 34, e2105405.	21.0	74
158	Vertical-Organic Nanocrystal Arrays for crossbar memristors with tuning switching dynamics toward neuromorphic computing. <i>SmartMat</i> , 2021, 2, 99-108.	10.7	73
159	Stimuli-responsive behaviors of organic charge transfer cocrystals: recent advances and perspectives. <i>Materials Chemistry Frontiers</i> , 2020, 4, 715-728.	5.9	72
160	A branched dihydrophenazine-based polymer as a cathode material to achieve dual-ion batteries with high energy and power density. <i>EScience</i> , 2021, 1, 60-68.	41.6	72
161	Application of Triplet-Triplet Annihilation Upconversion in Organic Optoelectronic Devices: Advances and Perspectives. <i>Advanced Materials</i> , 2021, 33, e2100704.	21.0	72
162	Effect of Fluorination on Molecular Orientation of Conjugated Polymers in High Performance Field-Effect Transistors. <i>Macromolecules</i> , 2016, 49, 6431-6438.	4.8	71

#	ARTICLE	IF	CITATIONS
163	Fast Deposition of Aligning Edge-On Polymers for High-Mobility Ambipolar Transistors. <i>Advanced Materials</i> , 2019, 31, e1805761.	21.0	70
164	Electron Transport in Self-Assembled Polymer Molecular Junctions. <i>Physical Review Letters</i> , 2006, 96, 027801.	7.8	69
165	Organic thin-film transistors of phthalocyanines. <i>Pure and Applied Chemistry</i> , 2008, 80, 2231-2240.	1.9	69
166	Visible-Light Photocatalytic Degradation of Methylene Blue Using SnO ₂ /Fe ₂ O ₃ Hierarchical Nanoheterostructures. <i>ChemPlusChem</i> , 2013, 78, 192-199.	2.8	69
167	Room-Temperature-Operated Ultrasensitive Broadband Photodetectors by Perovskite Incorporated with Conjugated Polymer and Single-Wall Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2018, 28, 1705541.	14.9	69
168	Enhanced catalytic degradation by using RGO-Ce/WO ₃ nanosheets modified CF as electro-Fenton cathode: Influence factors, reaction mechanism and pathways. <i>Journal of Hazardous Materials</i> , 2019, 367, 365-374.	12.4	69
169	Graphene and graphene oxide nanogap electrodes fabricated by atomic force microscopy nanolithography. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	67
170	Recent progress of high performance organic thin film field-effect transistors. <i>Journal of Materials Chemistry</i> , 2011, 21, 11708.	6.7	67
171	Spatially Selective Imaging of Mitochondrial MicroRNAs via Optically Programmable Strand Displacement Reactions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17937-17941.	13.8	67
172	Organic Field Effect Transistor-Based Photonic Synapses: Materials, Devices, and Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2106151.	14.9	67
173	Dually Ordered Porous TiO ₂ -rGO Composites with Controllable Light Absorption Properties for Efficient Solar Energy Conversion. <i>Advanced Materials</i> , 2017, 29, 1604795.	21.0	66
174	Organic thin film transistors based on stable amorphous ladder tetraazapentacenes semiconductors. <i>Journal of Materials Chemistry</i> , 2005, 15, 4894.	6.7	65
175	Water Strider-Legs with a Self-Assembled Coating of Single-Crystalline Nanowires of an Organic Semiconductor. <i>Advanced Materials</i> , 2010, 22, 376-379.	21.0	65
176	Unveiling Secrets of Overcoming the Heteroatom Problem in Palladium-Catalyzed Aerobic C-H Functionalization of Heterocycles: A DFT Mechanistic Study. <i>Journal of the American Chemical Society</i> , 2016, 138, 2712-2723.	13.7	65
177	Capacitive conjugated ladder polymers for fast-charge and -discharge sodium-ion batteries and hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20891-20898.	10.3	65
178	High Performance Nanocrystals of a Donor-Acceptor Conjugated Polymer. <i>Chemistry of Materials</i> , 2013, 25, 2649-2655.	6.7	64
179	Molecular Crystal Engineering: Tuning Organic Semiconductor from p-type to n-type by Adjusting Their Substitutional Symmetry. <i>Advanced Materials</i> , 2017, 29, 1605053.	21.0	64
180	Vertical Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2019, 29, 1808453.	14.9	64

#	ARTICLE	IF	CITATIONS
181	Low-Temperature, Bottom-Up Synthesis of Graphene via a Radical-Coupling Reaction. <i>Journal of the American Chemical Society</i> , 2013, 135, 9050-9054.	13.7	63
182	A supramolecular assembly of cross-linked azobenzene/polymers for a high-performance light-driven actuator. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16453-16460.	10.3	63
183	Ambipolar Conjugated Polymers with Ultrahigh Balanced Hole and Electron Mobility for Printed Organic Complementary Logic via a Two-Step C-H Activation Strategy. <i>Advanced Materials</i> , 2019, 31, e1806010.	21.0	63
184	Stable Olympicenyl Radicals and Their $\dot{\text{I}}$ -Dimers. <i>Journal of the American Chemical Society</i> , 2020, 142, 11022-11031.	13.7	63
185	Challenges and Emerging Opportunities in High-Mobility and Low-Energy-Consumption Organic Field-Effect Transistors. <i>Advanced Energy Materials</i> , 2020, 10, 2000955.	19.5	63
186	2D Mica Crystal as Electret in Organic Field-Effect Transistors for Multistate Memory. <i>Advanced Materials</i> , 2016, 28, 3755-3760.	21.0	62
187	A Copolymer of Benzodithiophene with TIPS Side Chains for Enhanced Photovoltaic Performance. <i>Macromolecules</i> , 2011, 44, 9173-9179.	4.8	61
188	High-energy, stable and recycled molecular solar thermal storage materials using AZO/graphene hybrids by optimizing hydrogen bonds. <i>Nanoscale</i> , 2015, 7, 16214-16221.	5.6	61
189	Relieving the Photosensitivity of Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2020, 32, e1906122.	21.0	61
190	Large scale, flexible organic transistor arrays and circuits based on polyimide materials. <i>Organic Electronics</i> , 2013, 14, 2528-2533.	2.6	60
191	Solution-sheared ultrathin films for highly-sensitive ammonia detection using organic thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1264.	5.5	60
192	Single Grain Boundary Break Junction for Suspended Nanogap Electrodes with Gapwidth Down to $1\ \mu\text{m}^2$ nm by Focused Ion Beam Milling. <i>Advanced Materials</i> , 2015, 27, 3002-3006.	21.0	59
193	Organic Single-Crystal Vertical Field-Effect Transistors and Phototransistors. <i>Advanced Materials</i> , 2018, 30, e1803655.	21.0	59
194	Green light-emitting diode from bromine based organic-inorganic halide perovskite. <i>Science China Materials</i> , 2015, 58, 186-191.	6.3	58
195	Recent Advances in Interface Engineering for Electrocatalytic CO ₂ Reduction Reaction. <i>Nano-Micro Letters</i> , 2021, 13, 216.	27.0	58
196	Large-Size 2D Cu_2S Nanosheets with Giant Phase Transition Temperature Lowering (120 K) Synthesized by a Novel Method of Super-Cooling Chemical Vapor Deposition. <i>Advanced Materials</i> , 2016, 28, 8271-8276.	21.0	57
197	Organic Single Crystal Field-Effect Transistors Based on 6-H-pyrrolo[3,2-b:4,5-b']bis[1,4]benzothiazine and its Derivatives. <i>Advanced Materials</i> , 2010, 22, 2458-2462.	21.0	56
198	Highly Stable Graphene-Based Multilayer Films Immobilized via Covalent Bonds and Their Applications in Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2013, 23, 2422-2435.	14.9	56

#	ARTICLE	IF	CITATIONS
199	Two-Dimensional Conjugated Polymer Synthesized by Interfacial Suzuki Reaction: Towards Electronic Device Applications. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9403-9407.	13.8	56
200	Organic Small Molecule Activates Transition Metal Foam for Efficient Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2020, 32, e1906015.	21.0	56
201	Dibenzothiophene derivatives as new prototype semiconductors for organic field-effect transistors. <i>Journal of Materials Chemistry</i> , 2007, 17, 1421.	6.7	55
202	Co-crystal engineering: a novel method to obtain one-dimensional (1D) carbon nanocrystals of corannulene-fullerene by a solution process. <i>Nanoscale</i> , 2016, 8, 14920-14924.	5.6	55
203	Electrically Conductive Coordination Polymers for Electronic and Optoelectronic Device Applications. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1612-1630.	4.6	55
204	Prominent role of oxygen vacancy for superoxide radical and hydroxyl radical formation to promote electro-Fenton like reaction by W-doped CeO ₂ composites. <i>Applied Surface Science</i> , 2021, 549, 149262.	6.1	55
205	Substitution effect on molecular packing and transistor performance of indolo[3,2-b]carbazole derivatives. <i>Journal of Materials Chemistry</i> , 2012, 22, 4409-4417.	6.7	54
206	Hole Mobility Modulation in Single-Crystal Metal Phthalocyanines by Changing the Metal-Interactions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10112-10117.	13.8	54
207	Monolayer organic field-effect transistors. <i>Science China Chemistry</i> , 2019, 62, 313-330.	8.2	54
208	The gas sensitivity of a metal-insulator-semiconductor field-effect-transistor based on Langmuir-Blodgett films of a new asymmetrically substituted phthalocyanine. <i>Thin Solid Films</i> , 2000, 360, 256-260.	1.8	53
209	Capillary-Bridge Mediated Assembly of Conjugated Polymer Arrays toward Organic Photodetectors. <i>Advanced Functional Materials</i> , 2017, 27, 1701347.	14.9	53
210	Layer-Defining Strategy to Grow Two-Dimensional Molecular Crystals on a Liquid Surface down to the Monolayer Limit. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16082-16086.	13.8	53
211	Recent Progress in Organic Phototransistors: Semiconductor Materials, Device Structures and Optoelectronic Applications. <i>ChemPhotoChem</i> , 2020, 4, 9-38.	3.0	53
212	Controllable Synthesis of Hollow Multishell Structured Co ₃ O ₄ with Improved Rate Performance and Cyclic Stability for Supercapacitors. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 68-73.	2.6	53
213	Solution-Processed, Large-Area, Two-Dimensional Crystals of Organic Semiconductors for Field-Effect Transistors and Phototransistors. <i>ACS Central Science</i> , 2020, 6, 636-652.	11.3	53
214	Organic Cocrystals: New Strategy for Molecular Collaborative Innovation. <i>Topics in Current Chemistry</i> , 2016, 374, 83.	5.8	52
215	Organic thin film transistors-based biosensors. <i>EcoMat</i> , 2021, 3, e12094.	11.9	52
216	Organic Nanowire Crystals Combine Excellent Device Performance and Mechanical Flexibility. <i>Small</i> , 2011, 7, 189-193.	10.0	51

#	ARTICLE	IF	CITATIONS
217	Atomically Flat, Large-Sized, Two-Dimensional Organic Nanocrystals. <i>Small</i> , 2013, 9, 990-995.	10.0	51
218	The Impact of Interlayer Electronic Coupling on Charge Transport in Organic Semiconductors: A Case Study on Titanylphthalocyanine Single Crystals. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5206-5209.	13.8	51
219	Asymmetric thiophene/pyridine flanked diketopyrrolopyrrole polymers for high performance polymer ambipolar field-effect transistors and solar cells. <i>Journal of Materials Chemistry C</i> , 2017, 5, 566-572.	5.5	51
220	Effectively modulating thermal activated charge transport in organic semiconductors by precise potential barrier engineering. <i>Nature Communications</i> , 2021, 12, 21.	12.8	51
221	Ordering Rigid Rod Conjugated Polymer Molecules for High Performance Photoswitchers. <i>Langmuir</i> , 2008, 24, 13241-13244.	3.5	50
222	Biphase micro/nanometer sized single crystals of organic semiconductors: Control synthesis and their strong phase dependent optoelectronic properties. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	50
223	Solution-Based Fabrication of Single-Crystalline Arrays of Organic Nanowires. <i>Langmuir</i> , 2010, 26, 1130-1136.	3.5	50
224	Controlled growth and assembly of one-dimensional ordered nanostructures of organic functional materials. <i>Soft Matter</i> , 2011, 7, 1615-1630.	2.7	50
225	High-Performance and Stable Organic Transistors and Circuits with Patterned Polypyrrole Electrodes. <i>Advanced Materials</i> , 2012, 24, 2159-2164.	21.0	50
226	Low-Voltage Organic Single-Crystal Field-Effect Transistor with Steep Subthreshold Slope. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25871-25877.	8.0	50
227	Cocrystals Strategy towards Materials for Near-Infrared Photothermal Conversion and Imaging. <i>Angewandte Chemie</i> , 2018, 130, 4027-4031.	2.0	50
228	Hollow Spherical Nanoshell Arrays of 2D Layered Semiconductor for High-Performance Photodetector Device. <i>Advanced Functional Materials</i> , 2018, 28, 1705153.	14.9	50
229	Integrating Efficient Optical Gain in High-Mobility Organic Semiconductors for Multifunctional Optoelectronic Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1802454.	14.9	50
230	Toward Stable Lithium Plating/Stripping by Successive Desolvation and Exclusive Transport of Li Ions. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10461-10470.	8.0	50
231	Ultrathin Pd-based nanosheets: syntheses, properties and applications. <i>Nanoscale</i> , 2020, 12, 4219-4237.	5.6	49
232	High-performance five-ring-fused organic semiconductors for field-effect transistors. <i>Chemical Society Reviews</i> , 2022, 51, 3071-3122.	38.1	49
233	Single crystalline microribbons of perylo[1,12-b,c,d]selenophene for high performance transistors. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	48
234	Single crystal n-channel field effect transistors from solution-processed silylethynylated tetraazapentacene. <i>Journal of Materials Chemistry</i> , 2011, 21, 15201.	6.7	48

#	ARTICLE	IF	CITATIONS
235	Two-dimensional Cr ₂ O ₃ and interconnected graphene-Cr ₂ O ₃ nanosheets: synthesis and their application in lithium storage. <i>Journal of Materials Chemistry A</i> , 2014, 2, 944-948.	10.3	48
236	Diaceno[<i>a</i> , <i>e</i>]pentalenes: An Excellent Molecular Platform for High-Performance Organic Semiconductors. <i>Chemistry - A European Journal</i> , 2015, 21, 17016-17022.	3.3	48
237	Three-Component Integrated Ultrathin Organic Photosensors for Plastic Optoelectronics. <i>Advanced Materials</i> , 2016, 28, 624-630.	21.0	48
238	Controlled Growth of Ultrathin Film of Organic Semiconductors by Balancing the Competitive Processes in Dip-Coating for Organic Transistors. <i>Langmuir</i> , 2016, 32, 6246-6254.	3.5	48
239	Self-Aligned Single-Crystal Graphene Grains. <i>Advanced Functional Materials</i> , 2014, 24, 1664-1670.	14.9	47
240	Nanogap Electrodes towards Solid State Single-Molecule Transistors. <i>Small</i> , 2015, 11, 6115-6141.	10.0	47
241	High performance ultraviolet photodetectors based on an individual Zn ₂ SnO ₄ single crystalline nanowire. <i>Journal of Materials Chemistry</i> , 2010, 20, 9858.	6.7	46
242	Organic Ferroelectric-Based 1T1T Random Access Memory Cell Employing a Common Dielectric Layer Overcoming the Half-Selection Problem. <i>Advanced Materials</i> , 2017, 29, 1701907.	21.0	46
243	Separation of Arylenevinylene Macrocycles with a Surface-Confined Two-Dimensional Covalent Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8984-8988.	13.8	46
244	From Linear to Angular Isomers: Achieving Tunable Charge Transport in Single-Crystal Indolocarbazoles Through Delicate Synergetic CH/NH... π ... π Interactions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8875-8880.	13.8	44
245	A π -Phase Separation-Molecular Design Strategy Towards Large-Area 2D Molecular Crystals. <i>Advanced Materials</i> , 2019, 31, e1901437.	21.0	44
246	New X-shaped oligothiophenes for solution-processed solar cells. <i>Journal of Materials Chemistry</i> , 2011, 21, 9667.	6.7	43
247	Role of redox centre in charge transport investigated by novel self-assembled conjugated polymer molecular junctions. <i>Nature Communications</i> , 2015, 6, 7478.	12.8	43
248	Cocrystal Engineering: Toward Solution-Processed Near-Infrared 2D Organic Cocrystals for Broadband Photodetection. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6344-6350.	13.8	43
249	Organic Semiconductor Single Crystals for X-ray Imaging. <i>Advanced Materials</i> , 2021, 33, e2104749.	21.0	43
250	Recent Advances in Growth of Transition Metal Carbides and Nitrides (MXenes) Crystals. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	43
251	BN-Anthracene for High-Mobility Organic Optoelectronic Materials through Periphery Engineering. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	43
252	Micro-organic single crystalline phototransistors of 7,7,8,8-tetracyanoquinodimethane and tetrathiafulvalene. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	42

#	ARTICLE	IF	CITATIONS
253	Mobility dependence on the conducting channel dimension of organic field-effect transistors based on single-crystalline nanoribbons. <i>Journal of Materials Chemistry</i> , 2010, 20, 7029.	6.7	42
254	N-Alkyl substituted di(perylene bisimides) as air-stable electron transport materials for solution-processible thin-film transistors with enhanced performance. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3200.	5.5	42
255	Organic Cocrystal Photovoltaic Behavior: A Model System to Study Charge Recombination of C ₆₀ and C ₇₀ at the Molecular Level. <i>Advanced Electronic Materials</i> , 2016, 2, 1500423.	5.1	42
256	Construction of Large-Area Ultrathin Conductive Metal-Organic Framework Films through Vapor-Induced Conversion. <i>Small</i> , 2019, 15, e1804845.	10.0	42
257	Polycyclic aromatic hydrocarbon-based organic semiconductors: ring-closing synthesis and optoelectronic properties. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2411-2430.	5.5	42
258	Organic thin-film transistors with high mobilities and low operating voltages based on 5,5'-bis-biphenyl-dithieno[3,2-b:2',3'-d]thiophene semiconductor and polymer gate dielectric. <i>Applied Physics Letters</i> , 2006, 88, 242113.	3.3	41
259	New type of organic semiconductors for field-effect transistors with carbon-carbon triple bonds. <i>Journal of Materials Chemistry</i> , 2009, 19, 1477.	6.7	41
260	Recent advances in one-dimensional organic π - n heterojunctions for optoelectronic device applications. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9388-9398.	5.5	41
261	Tetrathia[2,2]annulene[2,1,2,1]: physical properties, crystal structure and application in organic field-effect transistors. <i>Journal of Materials Chemistry</i> , 2007, 17, 4377.	6.7	40
262	Nonvolatile memory effect of a functional polyimide containing ferrocene as the electroactive moiety. <i>Applied Physics Letters</i> , 2011, 98, 203302.	3.3	39
263	Challenges of organic π -cocrystals. <i>Science China Materials</i> , 2015, 58, 854-859.	6.3	39
264	Novel Air Stable Organic Radical Semiconductor of Dimers of Dithienothiophene, Single Crystals, and Field-Effect Transistors. <i>Advanced Materials</i> , 2016, 28, 7466-7471.	21.0	39
265	Electrochemical polymerization for two-dimensional conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10672-10686.	5.5	39
266	One-Pot Domino Carbonylation Protocol for Aromatic Diimides toward n -Type Organic Semiconductors. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14024-14028.	13.8	39
267	Sub-5 nm single crystalline organic π - n heterojunctions. <i>Nature Communications</i> , 2021, 12, 2774.	12.8	39
268	High performance n-type single crystalline transistors of naphthalene bis(dicarboximide) and their anisotropic transport in crystals. <i>Chemical Communications</i> , 2012, 48, 5154.	4.1	38
269	Easily solution-processed, high-performance microribbon transistors based on a 2D condensed benzo[thiophene] derivative. <i>Chemical Communications</i> , 2014, 50, 442-444.	4.1	38
270	Side Chain Influence on the Morphology and Photovoltaic Performance of 5-Fluoro-6-alkyloxybenzothiadiazole and Benzodithiophene Based Conjugated Polymers. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 10710-10717.	8.0	38

#	ARTICLE	IF	CITATIONS
271	Effective and Selective Catalysts for Cinnamaldehyde Hydrogenation: Hydrophobic Hybrids of Metal-Organic Frameworks, Metal Nanoparticles, and Micro- and Mesoporous Polymers. <i>Angewandte Chemie</i> , 2018, 130, 5810-5815.	2.0	38
272	How Does Palladium-Amino Acid Cooperative Catalysis Enable Regio- and Stereoselective C(sp ³)-H Functionalization in Aldehydes and Ketones? A DFT Mechanistic Study. <i>ACS Catalysis</i> , 2018, 8, 7698-7709.	11.2	38
273	Air/vacuum dielectric organic single crystalline transistors of copper-hexadecafluorophthalocyanine ribbons. <i>Applied Physics Letters</i> , 2008, 92, 083309.	3.3	37
274	3D Self-Supporting Porous Magnetic Assemblies for Water Remediation and Beyond. <i>Advanced Energy Materials</i> , 2016, 6, 1600473.	19.5	37
275	Controllable growth of C ₈ -BTBT single crystalline microribbon arrays by a limited solvent vapor-assisted crystallization (LSVC) method. <i>Journal of Materials Chemistry C</i> , 2018, 6, 2419-2423.	5.5	37
276	A Small Molecular Symmetric All-Organic Lithium-Ion Battery. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	37
277	Polymer Brush and Inorganic Oxide Hybrid Nanodielectrics for High Performance Organic Transistors. <i>Journal of Physical Chemistry B</i> , 2010, 114, 5315-5319.	2.6	36
278	Single crystal ribbons and transistors of a solution processed sickle-like fused-ring thienoacene. <i>Journal of Materials Chemistry</i> , 2010, 20, 6014.	6.7	36
279	Controlling Molecular Packing for Charge Transport in Organic Thin Films. <i>Advanced Energy Materials</i> , 2011, 1, 188-193.	19.5	36
280	Poly(3-hexylthiophene) monolayer nanowhiskers. <i>Polymer Chemistry</i> , 2013, 4, 4308.	3.9	36
281	Quick Fabrication of Large-area Organic Semiconductor Single Crystal Arrays with a Rapid Annealing Self-Solution-Shearing Method. <i>Scientific Reports</i> , 2015, 5, 13195.	3.3	36
282	Three-Dimensional Multilayer Assemblies of MoS ₂ /Reduced Graphene Oxide for High-Performance Lithium Ion Batteries. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 489-497.	2.3	36
283	Competitive Coordination Strategy to Finely Tune Pore Environment of Zirconium-Based Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22732-22738.	8.0	36
284	Donor-Acceptor Conjugated Polymers Based on Bisindigo: Energy Level Modulation toward Unipolar n-Type Semiconductors. <i>Macromolecules</i> , 2018, 51, 8652-8661.	4.8	36
285	Synthesis, self-assembly, and solution-processed nanoribbon field-effect transistor of a fused-nine-ring thienoacene. <i>Chemical Communications</i> , 2010, 46, 2841.	4.1	35
286	A cross-dipole stacking molecule of an anthracene derivative: integrating optical and electrical properties. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3068-3071.	5.5	35
287	Organic cocrystals: the development of ferroelectric properties. <i>Science China Materials</i> , 2016, 59, 523-530.	6.3	35
288	Inverse Magnetoresistance in Polymer Spin Valves. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15644-15651.	8.0	35

#	ARTICLE	IF	CITATIONS
289	Ultrasensitive and Reliable Organic Field-Effect Transistor-Based Biosensors in Early Liver Cancer Diagnosis. <i>Analytical Chemistry</i> , 2021, 93, 6188-6194.	6.5	35
290	The application of Langmuir-Blodgett films of a new asymmetrically substituted phthalocyanine, amino-tri-tert-butyl-phthalocyanine, in diodes and in all organic field-effect-transistors. <i>Synthetic Metals</i> , 1999, 104, 19-26.	3.9	34
291	Small Molecular Chromogenic Sensors for Hg ²⁺ : A Strong "Push-Pull" System Exists after Binding. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 2459-2463.	2.4	34
292	Molecular Orientation and Field-effect Transistors of a Rigid Rod Conjugated Polymer Thin Films. <i>Journal of Physical Chemistry B</i> , 2009, 113, 4176-4180.	2.6	34
293	Pyridine-bridged diketopyrrolopyrrole conjugated polymers for field-effect transistors and polymer solar cells. <i>Polymer Chemistry</i> , 2015, 6, 4775-4783.	3.9	34
294	Reliable Spin Valves of Conjugated Polymer Based on Mechanically Transferrable Top Electrodes. <i>ACS Nano</i> , 2018, 12, 12657-12664.	14.6	34
295	Solar Thermal Storage and Room-Temperature Fast Release Using a Uniform Flexible Azobenzene-Grafted Polynorborene Film Enhanced by Stretching. <i>Macromolecules</i> , 2019, 52, 4222-4231.	4.8	34
296	The effect of thickness on the optoelectronic properties of organic field-effect transistors: towards molecular crystals at monolayer limit. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13154-13168.	5.5	34
297	Enhanced redox activity and oxygen vacancies of perovskite triggered by copper incorporation for the improvement of electro-Fenton activity. <i>Chemical Engineering Journal</i> , 2022, 428, 131352.	12.7	34
298	Langmuir-Blodgett Monolayer as an Efficient p-Conducting Channel of Ambipolar Organic Transistors and a Template for n-Type Molecular Alignment. <i>Langmuir</i> , 2009, 25, 3349-3351.	3.5	33
299	Construction of Two-Dimensional Chiral Networks through Atomic Bromine on Surfaces. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 326-331.	4.6	33
300	Versatile asymmetric thiophene/benzothiophene flanked diketopyrrolopyrrole polymers with ambipolar properties for OFETs and OSCs. <i>Polymer Chemistry</i> , 2017, 8, 5603-5610.	3.9	33
301	Facile and cost-effective liver cancer diagnosis by water-gated organic field-effect transistors. <i>Biosensors and Bioelectronics</i> , 2020, 164, 112251.	10.1	33
302	Cocrystallization Tailoring Multiple Radiative Decay Pathways for Amplified Spontaneous Emission. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 281-289.	13.8	33
303	A Fe ²⁺ /Ni ⁵⁺ /P ⁴⁺ /Fe ²⁺ /Ni ²⁺ /P heterojunction electrocatalyst for highly efficient solar-to-hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1221-1229.	10.3	33
304	6H-Pyrrolo[3,2-b:4,5-b']bis[1,4]benzothiazines: facilely synthesized semiconductors for organic field-effect transistors. <i>Journal of Materials Chemistry</i> , 2008, 18, 4814.	6.7	32
305	Intermolecular Charge-Transfer Interactions Facilitate Two-Photon Absorption in Styrylpyridine-Tetracyanobenzene Cocrystals. <i>Angewandte Chemie</i> , 2017, 129, 7939-7943.	2.0	32
306	Free-Standing 2D Hexagonal Aluminum Nitride Dielectric Crystals for High-Performance Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2018, 30, e1801891.	21.0	32

#	ARTICLE	IF	CITATIONS
307	Triple Acceptors in a Polymeric Architecture for Balanced Ambipolar Transistors and High-Gain Inverters. <i>Advanced Materials</i> , 2018, 30, e1801951.	21.0	32
308	Enhanced optomechanical properties of mechanochemiluminescent poly(methyl acrylate) composites with granulated fluorescent conjugated microporous polymer fillers. <i>Chemical Science</i> , 2019, 10, 2206-2211.	7.4	32
309	Bimetallic phthalocyanine heterostructure used for highly selective electrocatalytic CO ₂ reduction. <i>Science China Materials</i> , 2022, 65, 155-162.	6.3	32
310	Synthesis, packing arrangement and transistor performance of dimers of dithienothiophenes. <i>Journal of Materials Chemistry</i> , 2009, 19, 8216.	6.7	31
311	Conjugated polymers with 2,7-linked 3,6-difluorocarbazole as donor unit for high efficiency polymer solar cells. <i>Polymer Chemistry</i> , 2013, 4, 2773.	3.9	31
312	High-Performance UV-Sensitive Organic Phototransistors Based on Benzo[1,2-b:4,5-b' ²]dithiophene Dimers Linked with Unsaturated Bonds. <i>Advanced Electronic Materials</i> , 2015, 1, 1500071.	5.1	31
313	Multi-walled carbon nanotubes covalently functionalized by axially coordinated metal-porphyrins: Facile syntheses and temporally dependent optical performance. <i>Nano Research</i> , 2016, 9, 458-472.	10.4	31
314	Shape-Controlled Metal-Free Catalysts: Facet-Sensitive Catalytic Activity Induced by the Arrangement Pattern of Noncovalent Supramolecular Chains. <i>ACS Nano</i> , 2017, 11, 4866-4876.	14.6	31
315	A bowl-shaped sumanene derivative with dense convex-concave columnar packing for high-performance organic field-effect transistors. <i>Chemical Communications</i> , 2017, 53, 11407-11409.	4.1	31
316	Molecular doped, color-tunable, high-mobility, emissive, organic semiconductors for light-emitting transistors. <i>Science Advances</i> , 2022, 8, .	10.3	31
317	Plasma Synthesis of Surface-Functionalized Graphene-Based Platinum Nanoparticles: Highly Active Electrocatalysts as Electrodes for Direct Methanol Fuel Cells. <i>ChemPlusChem</i> , 2012, 77, 432-436.	2.8	30
318	Synthesis and morphology transformation of single-crystal graphene domains based on activated carbon dioxide by chemical vapor deposition. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2990.	5.5	30
319	Perovskite Photodetectors based on CH ₃ NH ₃ PbI ₃ Single Crystals. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2675-2679.	3.3	30
320	Realizing low-voltage operating crystalline monolayer organic field-effect transistors with a low contact resistance. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3436-3442.	5.5	30
321	2D Semiconducting Metal-Organic Framework Thin Films for Organic Spin Valves. <i>Angewandte Chemie</i> , 2020, 132, 1134-1139.	2.0	30
322	Epitaxial Growth of Nanorod Meshes from Luminescent Organic Cocrystals via Crystal Transformation. <i>Journal of the American Chemical Society</i> , 2020, 142, 7265-7269.	13.7	30
323	Recent progress on organic exciplex materials with different donor-acceptor contacting modes for luminescent applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16843-16858.	5.5	30
324	Selectivity regulation of CO ₂ electroreduction on asymmetric AuAgCu tandem heterostructures. <i>Nano Research</i> , 2022, 15, 7861-7867.	10.4	30

#	ARTICLE	IF	CITATIONS
325	Field-effect transistor chemical sensors of single nanoribbon of copper phthalocyanine. <i>Science in China Series B: Chemistry</i> , 2009, 52, 751-754.	0.8	29
326	Inkjet-Printed Organic Electrodes for Bottom-Contact Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2011, 21, 786-791.	14.9	29
327	Regioselective Deposition Method to Pattern Silver Electrodes Facilely and Efficiently with High Resolution: Towards All-Solution-Processed, High-Performance, Bottom-Contacted, Flexible, Polymer-Based Electronics. <i>Advanced Functional Materials</i> , 2014, 24, 3783-3789.	14.9	29
328	Silver mirror reaction for organic electronics: towards high-performance organic field-effect transistors and circuits. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4142.	5.5	29
329	Molecular Heterojunctions of Oligo(phenylene ethynylene)s with Linear to Cruciform Framework. <i>Advanced Functional Materials</i> , 2015, 25, 1700-1708.	14.9	29
330	Uncovering the Intramolecular Emission and Tuning the Nonlinear Optical Properties of Organic Materials by Cocrystallization. <i>Angewandte Chemie</i> , 2016, 128, 14229-14233.	2.0	29
331	Presence of Short Intermolecular Contacts Screens for Kinetic Stability in Packing Polymorphs. <i>Journal of the American Chemical Society</i> , 2018, 140, 7519-7525.	13.7	29
332	2D Molecular Crystal Bilayer p-n Junctions: A General Route toward High-Performance and Well-Balanced Ambipolar Organic Field-Effect Transistors. <i>Small</i> , 2019, 15, e1902187.	10.0	29
333	Synergistic Resistance Modulation toward Ultrahighly Sensitive Piezoresistive Pressure Sensors. <i>Advanced Materials Technologies</i> , 2020, 5, 1901084.	5.8	29
334	Revealing molecular conformation-induced stress at embedded interfaces of organic optoelectronic devices by sum frequency generation spectroscopy. <i>Science Advances</i> , 2021, 7, .	10.3	29
335	Battery Drivable Organic Single-Crystalline Transistors Based on Surface Grafting Ultrathin Polymer Dielectric. <i>Advanced Functional Materials</i> , 2009, 19, 2987-2991.	14.9	28
336	Mass-Production of Single-Crystalline Device Arrays of an Organic Charge-Transfer Complex for its Memory Nature. <i>Small</i> , 2012, 8, 557-560.	10.0	28
337	Solution-processed high-performance flexible 9, 10-bis(phenylethynyl)anthracene organic single-crystal transistor and ring oscillator. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	28
338	Enhancement of the p-channel performance of sulfur-bridged annulene through a donor-acceptor co-crystal approach. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8886-8891.	5.5	28
339	Naphthyl substituted anthracene combining charge transport with light emission. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10695-10698.	5.5	28
340	A General Method for Growing Two-Dimensional Crystals of Organic Semiconductors by Solution Epitaxy. <i>Angewandte Chemie</i> , 2016, 128, 9671-9675.	2.0	28
341	Effect of Triplet State on the Lifetime of Charge Separation in Ambipolar D-A1-A2 Organic Semiconductors. <i>Journal of Physical Chemistry C</i> , 2016, 120, 11338-11349.	3.1	28
342	Pyridyl-substituted anthracene derivatives with solid-state emission and charge transport properties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3621-3627.	5.5	28

#	ARTICLE	IF	CITATIONS
343	Trisulfide-Bond Acenes for Organic Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13513-13521.	13.8	28
344	Systematic Modulation of Charge Transport in Molecular Devices through Facile Control of Molecule-Electrode Coupling Using a Double Self-Assembled Monolayer Nanowire Junction. <i>Journal of the American Chemical Society</i> , 2020, 142, 9708-9717.	13.7	28
345	Molecular Weight Engineering in High-Performance Ambipolar Emissive Mesopolymers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14902-14908.	13.8	28
346	An Asymmetric Furan/Thieno[3,2- <i>b</i>]Thiophene Diketopyrrolopyrrole Building Block for Annealing-Free Green-Solvent Processable Organic Thin-Film Transistors. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800225.	3.9	28
347	Recent progress in polymer-based infrared photodetectors. <i>Journal of Materials Chemistry C</i> , 2022, 10, 13312-13323.	5.5	28
348	A non-planar organic molecule with non-volatile electrical bistability for nano-scale data storage. <i>Journal of Materials Chemistry</i> , 2007, 17, 3530.	6.7	27
349	5,6-Difluorobenzothiadiazole and silafluorene based conjugated polymers for organic photovoltaic cells. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5116-5123.	5.5	27
350	A novel angularly fused bistetracene: facile synthesis, crystal packing and single-crystal field effect transistors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1308-1312.	5.5	27
351	Enhanced Internal Quantum Efficiency in Dye-Sensitized Solar Cells: Effect of Long-Lived Charge-Separated State of Sensitizers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 9880-9891.	8.0	27
352	Surface-Confined Dynamic Covalent System Driven by Olefin Metathesis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1869-1873.	13.8	27
353	A new organic compound of 2-(2,2-diphenylethenyl)anthracene (DPEA) showing simultaneous electrical charge transport property and AIE optical characteristics. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3856-3860.	5.5	27
354	A novel Fe-free photo-electro-Fenton-like system for enhanced ciprofloxacin degradation: bifunctional Z-scheme WO ₃ /g-C ₃ N ₄ . <i>Environmental Science: Nano</i> , 2019, 6, 2850-2862.	4.3	27
355	Molecular-scale integrated multi-functions for organic light-emitting transistors. <i>Nano Research</i> , 2020, 13, 1976-1981.	10.4	27
356	Organic photoelectric materials for X-ray and gamma ray detection: mechanism, material preparation and application. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4709-4729.	5.5	27
357	The More, the Better—Recent Advances in Construction of 2D Multi-Heterostructures. <i>Advanced Functional Materials</i> , 2021, 31, 2102049.	14.9	27
358	Perspectives of ionic covalent organic frameworks for rechargeable batteries. <i>Coordination Chemistry Reviews</i> , 2022, 458, 214431.	18.8	27
359	Development of organic field-effect properties by introducing aryl-acetylene into benzodithiophene. <i>Journal of Materials Chemistry</i> , 2010, 20, 10931.	6.7	26
360	Blending induced stack-ordering and performance improvement in a solution-processed n-type organic field-effect transistor. <i>Journal of Materials Chemistry</i> , 2010, 20, 1203-1207.	6.7	26

#	ARTICLE	IF	CITATIONS
361	Single crystal field-effect transistors containing a pentacene analogue and their application in ethanol vapor detection. <i>Applied Physics Letters</i> , 2012, 101, 103302.	3.3	26
362	Conjugated Molecules Crosslinked Graphene-Based Ultrathin Films and Their Tunable Performances in Organic Nanoelectronics. <i>Advanced Functional Materials</i> , 2014, 24, 543-554.	14.9	26
363	Recent Advances in Growth of Large-Sized 2D Single Crystals on Cu Substrates. <i>Advanced Materials</i> , 2021, 33, e2003956.	21.0	26
364	Long afterglow MOFs: a frontier study on synthesis and applications. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6824-6849.	5.9	26
365	2D MXene-Molecular Hybrid Additive for High-Performance Ambipolar Polymer Field-Effect Transistors and Logic Gates. <i>Advanced Materials</i> , 2021, 33, e2008215.	21.0	26
366	Redistributed Current Density in Lateral Organic Light-Emitting Transistors Enabling Uniform Area Emission with Good Stability and Arbitrary Tunability. <i>Advanced Materials</i> , 2022, 34, e2108795.	21.0	26
367	Negative Phototransistors with Ultrahigh Sensitivity and Weak-Light Detection Based on 1D/2D Molecular Crystal Heterojunctions and their Application in Light Encoders. <i>Advanced Materials</i> , 2022, 34, e2201364.	21.0	26
368	Balancing the film strain of organic semiconductors for ultrastable organic transistors with a five-year lifetime. <i>Nature Communications</i> , 2022, 13, 1480.	12.8	26
369	Thiazolothiazole-containing polythiophenes with low HOMO level and high hole mobility for polymer solar cells. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4875-4885.	2.3	25
370	Donor-acceptor copolymers containing quinacridone and benzothiadiazole for thin film transistors. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2021.	5.5	25
371	High Performance Photoswitches Based on Flexible and Amorphous D-A Polymer Nanowires. <i>Small</i> , 2013, 9, 294-299.	10.0	25
372	Copolymers of benzo[1,2-b:4,5-b']dithiophene and bithiazole for high-performance thin film phototransistors. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9505-9511.	5.5	25
373	High Hole Mobility in Long-Range Ordered 2D Lead Sulfide Nanocrystal Monolayer Films. <i>Advanced Functional Materials</i> , 2016, 26, 5182-5188.	14.9	25
374	Tuning charge transport from unipolar (n-type) to ambipolar in bis(naphthalene diimide) derivatives by introducing π -conjugated heterocyclic bridging moieties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7230-7240.	5.5	25
375	Controlled formation of large-area single-crystalline TIPS-pentacene arrays through superhydrophobic micropillar flow-coating. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2702-2707.	5.5	25
376	Solution-Processed Flexible Organic Ferroelectric Phototransistor. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43880-43885.	8.0	25
377	High performance organic transistors and phototransistors based on diketopyrrolopyrrole-quaterthiophene copolymer thin films fabricated via low-concentration solution processing. <i>Chinese Chemical Letters</i> , 2018, 29, 1675-1680.	9.0	25
378	Room-temperature-processed fullerene single-crystalline nanoparticles for high-performance flexible perovskite photovoltaics. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1509-1518.	10.3	25

#	ARTICLE	IF	CITATIONS
379	Evaluation of ciprofloxacin destruction between ordered mesoporous and bulk NiMn ₂ O ₄ /CF cathode: efficient mineralization in a heterogeneous electro-Fenton-like process. <i>Environmental Science: Nano</i> , 2019, 6, 661-671.	4.3	25
380	DFT Mechanistic Account for the Site Selectivity of Electron-Rich C(sp ³)-H Bond in the Manganese-Catalyzed Aminations. <i>Organic Letters</i> , 2020, 22, 453-457.	4.6	25
381	Molecular doped organic semiconductor crystals for optoelectronic device applications. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14996-15008.	5.5	25
382	Molecular cocrystal odyssey to unconventional electronics and photonics. <i>Science Bulletin</i> , 2021, 66, 512-520.	9.0	25
383	<i>SmartMat</i> : Smart materials to Smart world. <i>SmartMat</i> , 2020, 1, .	10.7	25
384	Capillary-Confinement Crystallization for Monolayer Molecular Crystal Arrays. <i>Advanced Materials</i> , 2022, 34, e2107574.	21.0	25
385	Langmuir-Blogett monolayer transistors of copper phthalocyanine. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	24
386	Tuning intermolecular non-covalent interactions for nanowires of organic semiconductors. <i>Nanoscale</i> , 2010, 2, 2652.	5.6	24
387	Integration of antireflection and light diffraction in nature: a strategy for light trapping. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10607.	10.3	24
388	Vertical Single-Crystalline Organic Nanowires on Graphene: Solution-Phase Epitaxy and Optical Microcavities. <i>Nano Letters</i> , 2016, 16, 4754-4762.	9.1	24
389	Enhancing Photoinduced Charge Separation through Donor Moiety in Donor-Acceptor Organic Semiconductors. <i>Journal of Physical Chemistry C</i> , 2016, 120, 25263-25275.	3.1	24
390	Enhancing field-effect mobility and maintaining solid-state emission by incorporating 2,6-diphenyl substitution to 9,10-bis(phenylethynyl)anthracene. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2519-2523.	5.5	24
391	Acid-Responsive Conductive Nanofiber of Tetrabenzoporphyrin Made by Solution Processing. <i>Journal of the American Chemical Society</i> , 2018, 140, 62-65.	13.7	24
392	Highly Efficient Degradation of Polyacrylamide by an Fe-Doped Ce _{0.75} Zr _{0.25} O ₂ Solid Solution/CF Composite Cathode in a Heterogeneous Electro-Fenton Process. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30703-30712.	8.0	24
393	High-Quality Two-Dimensional Metal-Organic Framework Nanofilms for Nonvolatile Memristive Switching. <i>Small Structures</i> , 2021, 2, 2000077.	12.0	24
394	Heterochelation boosts sodium storage in π -d conjugated coordination polymers. <i>Energy and Environmental Science</i> , 2021, 14, 6514-6525.	30.8	24
395	Solvent-vapor induced self-assembly of a conjugated polymer: A correlation between solvent nature and transistor performance. <i>Organic Electronics</i> , 2012, 13, 2372-2378.	2.6	23
396	Conjugated polymers with deep LUMO levels for field-effect transistors and polymer-polymer solar cells. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8255-8261.	5.5	23

#	ARTICLE	IF	CITATIONS
397	Enhanced Visible-Light-Driven Hydrogen Production of Carbon Nitride by Band Structure Tuning. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17261-17267.	3.1	23
398	High-resolution organic field-effect transistors manufactured by electrohydrodynamic inkjet printing of doped electrodes. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15219-15223.	5.5	23
399	High-performance amorphous organic semiconductor-based vertical field-effect transistors and light-emitting transistors. <i>Nanoscale</i> , 2020, 12, 18371-18378.	5.6	23
400	High Mobility Organic Lasing Semiconductor with Crystallization-Enhanced Emission for Light-Emitting Transistors. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20274-20279.	13.8	23
401	Intrinsic Linear Dichroism of Organic Single Crystals toward High-Performance Polarization-Sensitive Photodetectors. <i>Advanced Materials</i> , 2022, 34, e2105665.	21.0	23
402	Reaction site exchange in hierarchical bimetallic Mn/Ni catalysts triggered by the electron pump effect to boost urea electrocatalytic oxidation. <i>Journal of Materials Chemistry A</i> , 2022, 10, 10417-10426.	10.3	23
403	Micrometer- and Nanometer-Sized, Single-Crystalline Ribbons of a Cyclic Triphenylamine Dimer and Their Application in Organic Transistors. <i>Advanced Materials</i> , 2009, 21, 1605-1608.	21.0	22
404	Rubrene analogues with the aggregation-induced emission enhancement behaviour. <i>Journal of Materials Chemistry C</i> , 2014, 2, 884-890.	5.5	22
405	A novel method for photolithographic polymer shadow masking: toward high-resolution high-performance top-contact organic field effect transistors. <i>Chemical Communications</i> , 2014, 50, 8328-8330.	4.1	22
406	A case study of tuning the crystal polymorphs of organic semiconductors towards simultaneously improved light emission and field-effect properties. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5925-5930.	5.5	22
407	Template-free solution growth of highly regular, crystal orientation-ordered C ₆₀ nanorod bundles. <i>Journal of Materials Chemistry</i> , 2010, 20, 953-956.	6.7	21
408	Epitaxially-crystallized oriented naphthalene bis(dicarboximide) morphology for significant performance improvement of electron-transporting thin-film transistors. <i>Chemical Communications</i> , 2016, 52, 4902-4905.	4.1	21
409	Microwave-Assisted Regeneration of Single-Walled Carbon Nanotubes from Carbon Fragments. <i>Small</i> , 2018, 14, e1800033.	10.0	21
410	n-Type conjugated polymers based on 3,3'-dicyano-2,2'-bithiophene: synthesis and semiconducting properties. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12896-12903.	5.5	21
411	Charge-separated sensitizers with enhanced intramolecular charge transfer for dye-sensitized solar cells: Insight from structure-performance relationship. <i>Organic Electronics</i> , 2018, 61, 35-45.	2.6	21
412	The analysis of charge transport mechanism in molecular junctions based on current-voltage characteristics. <i>Chemical Physics</i> , 2020, 528, 110514.	1.9	21
413	Highly adhesive, washable and stretchable on-skin electrodes based on polydopamine and silk fibroin for ambulatory electrocardiography sensing. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12257-12264.	5.5	21
414	Directly Patterning Conductive Polymer Electrodes on Organic Semiconductor via In Situ Polymerization in Microchannels for High-Performance Organic Transistors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 17852-17860.	8.0	21

#	ARTICLE	IF	CITATIONS
415	Electrocatalytic Reduction of Nitrogen to Ammonia in Ionic Liquids. ACS Sustainable Chemistry and Engineering, 2022, 10, 4345-4358.	6.7	21
416	Mass Production of Nanogap Electrodes toward Robust Resistive Random Access Memory. Advanced Materials, 2016, 28, 8227-8233.	21.0	20
417	Organic Single-Crystal Spintronics: Magnetoresistance Devices with High Magnetic-Field Sensitivity. ACS Nano, 2019, 13, 9491-9497.	14.6	20
418	Layered Perovskite (CH ₃ NH ₃) ₂ Pb(SCN) ₂ I ₂ Single Crystals: Phase Transition and Moisture Stability. ACS Applied Materials & Interfaces, 2020, 12, 37713-37721.	8.0	20
419	Deep insight into the charge transfer interactions in 1,2,4,5-tetracyanobenzene-phenazine cocrystal. Chinese Chemical Letters, 2021, 32, 3007-3010.	9.0	20
420	A conjugated polymer based on 5,5'-bibenzo[c][1,2,5]thiadiazole for high-performance solar cells. Journal of Materials Chemistry, 2012, 22, 3432.	6.7	19
421	Conjugated polymer with ternary electron-deficient units for ambipolar nanowire field-effect transistors. Journal of Polymer Science Part A, 2016, 54, 34-38.	2.3	19
422	Photolysis of polymeric self-assembly controlled by donor-acceptor interaction. Chemical Communications, 2017, 53, 11822-11825.	4.1	19
423	Tuning the donors to control the lifetimes of charge-separated states in triazine-based donor-acceptor systems. Dyes and Pigments, 2017, 136, 404-415.	3.7	19
424	1D Mixed-Stack Cocrystals Based on Perylene Diimide toward Ambipolar Charge Transport. Small, 2021, 17, e2006574.	10.0	19
425	Well-balanced ambipolar diketopyrrolopyrrole-based copolymers for OFETs, inverters and frequency doublers. Science China Chemistry, 2021, 64, 1410-1416.	8.2	19
426	Air-stable ambipolar organic field-effect transistor based on a novel bi-channel structure. Journal of Materials Chemistry, 2008, 18, 2420.	6.7	18
427	Water-controlled synthesis of low-dimensional molecular crystals and the fabrication of a new water and moisture indicator. Nano Research, 2009, 2, 857.	10.4	18
428	Physicochemical, self-assembly and field-effect transistor properties of anti- and syn- thienoacene isomers. Journal of Materials Chemistry, 2011, 21, 11335.	6.7	18
429	High-performance organic field-effect transistors based on single-crystalline microribbons of a two-dimensional fused heteroarene semiconductor. Chemical Communications, 2015, 51, 11961-11963.	4.1	18
430	Poly(pentacyclic lactam-alt-diketopyrrolopyrrole) for field-effect transistors and polymer solar cells processed from non-chlorinated solvents. Polymer Chemistry, 2016, 7, 164-170.	3.9	18
431	2,7-Di(2-diethylbenzofuro[3,2-b]benzofuran) An Organic Semiconductor with Two-dimensional Transport Channels. Asian Journal of Organic Chemistry, 2018, 7, 2228-2232.	2.7	18
432	Layered hybrid perovskite solar cells based on single-crystalline precursor solutions with superior reproducibility. Sustainable Energy and Fuels, 2018, 2, 2237-2243.	4.9	18

#	ARTICLE	IF	CITATIONS
433	Heterogeneous electrocatalytic degradation of ciprofloxacin by ternary Ce ₃ ZrFe ₄ O _{14-x} /CF composite cathode. <i>Catalysis Today</i> , 2019, 327, 116-125.	4.4	18
434	A new type of solid-state luminescent 2-phenylbenzo[<i>g</i>]furo[2,3- <i>b</i>]quinoxaline derivative: synthesis, photophysical characterization and transporting properties. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9690-9697.	5.5	18
435	Organic single-crystal phototransistor with unique wavelength-detection characteristics. <i>Science China Materials</i> , 2019, 62, 729-735.	6.3	18
436	Red-emissive poly(phenylene vinylene)-derivated semiconductors with well-balanced ambipolar electrical transporting properties. <i>Journal of Materials Chemistry C</i> , 2020, 8, 10868-10879.	5.5	18
437	A new fluorescent quinoline derivative toward the acid-responsivity in both solution and solid states. <i>Chinese Chemical Letters</i> , 2020, 31, 2909-2912.	9.0	18
438	Short Alkyl Chain Engineering Modulation on Naphthalene Flanked Diketopyrrolopyrrole toward High-Performance Single Crystal Transistors and Organic Thin Film Displays. <i>Advanced Electronic Materials</i> , 2021, 7, 2000804.	5.1	18
439	Effect of contact resistance in organic field-effect transistors. <i>Nano Select</i> , 2021, 2, 1661-1681.	3.7	18
440	Organic Semiconductor Crystal Engineering for High-Resolution Layer-Controlled 2D Crystal Arrays. <i>Advanced Materials</i> , 2022, 34, e2104166.	21.0	18
441	Enhanced electron transfer and hydrogen peroxide activation capacity with N, P-codoped carbon encapsulated CeO ₂ in heterogeneous electro-Fenton process. <i>Chemosphere</i> , 2022, 287, 132154.	8.2	18
442	Design of thermally activated delayed fluorescent emitters for organic solid-state microlasers. <i>Journal of Materials Chemistry C</i> , 2021, 9, 7400-7406.	5.5	18
443	Enhancement of thermoelectric performance in InAs nanotubes by tuning quantum confinement effect. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	17
444	Unveiling the Switching Riddle of Silver Tetracyanoquinodimethane Towards Novel Planar Single-Crystalline Electrochemical Metallization Memories. <i>Advanced Materials</i> , 2016, 28, 7094-7100.	21.0	17
445	Efficient Perovskite Solar Cells through Suppressed Nonradiative Charge Carrier Recombination by a Processing Additive. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 40163-40171.	8.0	17
446	Cyclohexyl-Substituted Anthracene Derivatives for High Thermal Stability Organic Semiconductors. <i>Frontiers in Chemistry</i> , 2019, 7, 11.	3.6	17
447	Rational Control of Charge Transfer Excitons Toward High-Contrast Reversible Mechanoresponsive Luminescent Switching. <i>Angewandte Chemie</i> , 2020, 132, 17733-17739.	2.0	17
448	Eggshell-inspired membrane-shell strategy for simultaneously improving the sensitivity and detection range of strain sensors. <i>Science China Materials</i> , 2021, 64, 717-726.	6.3	17
449	Recent Advances of Nanospheres Lithography in Organic Electronics. <i>Small</i> , 2021, 17, e2100724.	10.0	17
450	Polymer-Assisted Space-Confined Strategy for the Foot-Scale Synthesis of Flexible Metal-Organic Framework-Based Composite Films. <i>Journal of the American Chemical Society</i> , 2021, 143, 17526-17534.	13.7	17

#	ARTICLE	IF	CITATIONS
451	Asymmetric Chemical Functionalization of Top-Contact Electrodes: Tuning the Charge Injection for High-Performance MoS ₂ Field-Effect Transistors and Schottky Diodes. <i>Advanced Materials</i> , 2022, 34, e2109445.	21.0	17
452	Ligand effects on electronic and optoelectronic properties of two-dimensional PbS necking percolative superlattices. <i>Nano Research</i> , 2017, 10, 1249-1257.	10.4	16
453	High-performance optical memory transistors based on a novel organic semiconductor with nanosprouts. <i>Nanoscale</i> , 2019, 11, 7117-7122.	5.6	16
454	Application of organic-graphene hybrids in high performance photodetectors. <i>Materials Chemistry Frontiers</i> , 2020, 4, 354-368.	5.9	16
455	Solution-Processed Polymeric Thin Film as the Transparent Electrode for Flexible Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 15456-15463.	8.0	16
456	Small molecule-doped organic crystals towards long-persistent luminescence in water and air. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5093-5097.	5.5	16
457	Iron regulates the interfacial charge distribution of transition metal phosphides for enhanced oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2022, 615, 725-731.	9.4	16
458	A new morphology of copper 7,7,8,8-tetracyano-p-quinodimethane. <i>Micron</i> , 2007, 38, 536-542.	2.2	15
459	Hybrid bipolar transistors and inverters of nanoribbon crystals. <i>Applied Physics Letters</i> , 2009, 94, 203304.	3.3	15
460	Substitution effects on the electrical transporting properties of tetrathia[22]annulene[2,1,2,1]: experimental and theoretical investigations. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5765.	5.5	15
461	Halogen bonded cocrystal polymorphs of 1,4-di(4-pyridyl)-1,3-diacetylene. <i>CrystEngComm</i> , 2017, 19, 4505-4509.	2.6	15
462	Unidirectional and crystalline organic semiconductor microwire arrays by solvent vapor annealing with PMMA as the assisting layer. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12479-12483.	5.5	15
463	Thermal-assisted self-assembly: a self-adaptive strategy towards large-area uniaxial organic single-crystalline microribbon arrays. <i>Nanoscale</i> , 2019, 11, 12781-12787.	5.6	15
464	Synthesis of large-area ultrathin graphdiyne films at an air-water interface and their application in memristors. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1268-1273.	5.9	15
465	Low-voltage polymer-dielectric-based organic field-effect transistors and applications. <i>Nano Select</i> , 2022, 3, 20-38.	3.7	15
466	Cornerstone of molecular spintronics: Strategies for reliable organic spin valves. <i>Nano Research</i> , 2021, 14, 3653-3668.	10.4	15
467	Cocrystal engineering for constructing two-photon absorption materials by controllable intermolecular interactions. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2562-2568.	5.5	15
468	The position effect of an ethynyl spacer on the carrier mobility of anthracene derivatives. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5368-5371.	5.5	14

#	ARTICLE	IF	CITATIONS
469	High-Mobility N-Type Organic Field-Effect Transistors of Rylene Compounds Fabricated by a Trace-Spin-Coating Technique. <i>Advanced Electronic Materials</i> , 2016, 2, 1500430.	5.1	14
470	Tuning crystal polymorphs of a π -extended tetrathiafulvalene-based cruciform molecule towards high-performance organic field-effect transistors. <i>Science China Materials</i> , 2017, 60, 75-82.	6.3	14
471	Conjugated polymer crystals via topochemical polymerization. <i>Science China Chemistry</i> , 2019, 62, 1271-1274.	8.2	14
472	Das Aufkommen der organischen Einkristallelektronik. <i>Angewandte Chemie</i> , 2020, 132, 1424-1445.	2.0	14
473	A Transfer Method for High-Mobility, Bias-Stable, and Flexible Organic Field-Effect Transistors. <i>Advanced Materials Technologies</i> , 2020, 5, 2000169.	5.8	14
474	Research progress of rubrene as an excellent multifunctional organic semiconductor. <i>Frontiers of Physics</i> , 2021, 16, 1.	5.0	14
475	Isomeric Dibenzoheptazethrenes for Air-Stable Organic Field-Effect Transistors. <i>Angewandte Chemie</i> , 2021, 133, 16366-16372.	2.0	14
476	Spatially Selective Imaging of Mitochondrial MicroRNAs via Optically Programmable Strand Displacement Reactions. <i>Angewandte Chemie</i> , 2021, 133, 18081-18085.	2.0	14
477	The prospects of organic semiconductor single crystals for spintronic applications. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2507-2515.	5.5	14
478	BN-Anthracene for High-Mobility Organic Optoelectronic Materials through Periphery Engineering. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	14
479	Organic Cocrystals: Recent Advances and Perspectives for Electronic and Magnetic Applications. <i>Frontiers in Chemistry</i> , 2021, 9, 764628.	3.6	14
480	Near-Amorphous Conjugated Polymers: An Emerging Class of Semiconductors for Flexible Electronics. , 2022, 4, 1112-1123.		14
481	Tuning reaction processes for the synthesis of micron and nanometer sized, single crystalline lamellae of copper 7,7,8,8-tetracyano-p-quinodimethane (Phase II) with large area. <i>Nano Research</i> , 2009, 2, 630-637.	10.4	13
482	Thermally Activated Delayed Fluorescence in an Organic Cocrystal: Narrowing the Singlet-Triplet Energy Gap via Charge Transfer. <i>Angewandte Chemie</i> , 2019, 131, 11433.	2.0	13
483	Aggregation-Dependent Photoreactive Hemicyanine Assembly as a Photobactericide. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 22552-22559.	8.0	13
484	Engineering the Interfacial Materials of Organic Field-Effect Transistors for Efficient Charge Transport. <i>Accounts of Materials Research</i> , 2021, 2, 159-169.	11.7	13
485	A two-dimensional polymer memristor based on conformational changes with tunable resistive switching behaviours. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2631-2638.	5.5	13
486	Hexavalent Chromium as a Smart Switch for Peroxidase-like Activity Regulation via the Surface Electronic Redistribution of Silver Nanoparticles Anchored on Carbon Spheres. <i>Analytical Chemistry</i> , 2022, 94, 1669-1677.	6.5	13

#	ARTICLE	IF	CITATIONS
487	Polymer Electrolyte Dielectrics Enable Efficient Exciton-Polaron Quenching in Organic Semiconductors for Photostable Organic Transistors. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 13584-13592.	8.0	13
488	In Situ Synthesis of Organopolysulfides Enabling Spatial and Kinetic Co-Mediation of Sulfur Chemistry. <i>ACS Nano</i> , 2022, 16, 9163-9171.	14.6	13
489	Synthesis and characterization of new type molecular wires with tetrathiafulvalene as redox center. <i>Journal of Polymer Science Part A</i> , 2006, 44, 2707-2713.	2.3	12
490	Organic single crystalline micro- and nanowires field-effect transistors of a tetrathiafulvalene (TTF) derivative with strong π - π^* orbitals and S \cdot S interactions. <i>Synthetic Metals</i> , 2011, 161, 136-142.	3.9	12
491	Stepwise Reduction of Immobilized Monolayer Graphene Oxides. <i>Chemistry of Materials</i> , 2013, 25, 4839-4848.	6.7	12
492	A D π -A π -D swivel-cruciform oligothiophene based on 5,5'-bibenzothiadiazole. <i>Journal of Materials Chemistry C</i> , 2013, 1, 414-417.	5.5	12
493	Synthesis, characterization, and field-effect transistor performance of a two-dimensional starphene containing sulfur. <i>Journal of Materials Chemistry C</i> , 2014, 2, 10011-10016.	5.5	12
494	Reversible Tuning of Interfacial and Intramolecular Charge Transfer in Individual MnPc Molecules. <i>Nano Letters</i> , 2015, 15, 8091-8098.	9.1	12
495	Top-Down Controlled Dewetting for Fabrication of Large-Scaled Polymer Microwires and Applications in OFETs. <i>Advanced Electronic Materials</i> , 2016, 2, 1600111.	5.1	12
496	Growth and carrier-transport performance of a poly(3-hexylthiophene)/1,2,3,4-bis(p-methylbenzylidene) sorbitol hybrid shish-kebab nanostructure. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3983-3992.	5.5	12
497	Rechargeable Batteries: Formation of Septuple-Shelled (Co _{2/3} Mn _{1/3})(Co _{5/6} Mn _{1/6}) ₂ O ₄ Hollow Spheres as Electrode Material for Alkaline Rechargeable Battery (<i>Adv. Mater.</i> 34/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	12
498	Substrate Effects in the Supramolecular Self-Assembly of 2,4,6-Tris(4-bromophenyl)-1,3,5-triazine on Graphite and Graphene. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12307-12314.	3.1	12
499	A new asymmetric anthracene derivative with high mobility. <i>Science China Chemistry</i> , 2019, 62, 251-255.	8.2	12
500	Tuning photophysical properties via alkoxy groups in charge-separated triphenylamine sensitizers for dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 368, 233-241.	3.9	12
501	Highly Efficient Charge Transport in a Quasi-Monolayer Semiconductor on Pure Polymer Dielectric. <i>Advanced Functional Materials</i> , 2020, 30, 1907153.	14.9	12
502	Self-polarized Poly(vinylidene fluoride) Ultrathin Film and Its Piezo/Ferroelectric Properties. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29818-29825.	8.0	12
503	Two-Dimensional Conjugated Polymer Synthesized by Interfacial Suzuki Reaction: Towards Electronic Device Applications. <i>Angewandte Chemie</i> , 2020, 132, 9489-9493.	2.0	12
504	Effect of functional groups on microporous polymer based resistance switching memory devices. <i>Chemical Communications</i> , 2020, 56, 6356-6359.	4.1	12

#	ARTICLE	IF	CITATIONS
505	2D molecular crystal templated organic p-n heterojunctions for high-performance ambipolar organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5758-5764.	5.5	12
506	Dual-function surfactant strategy for two-dimensional organic semiconductor crystals towards high-performance organic field-effect transistors. <i>Science China Chemistry</i> , 2021, 64, 1057-1062.	8.2	12
507	Facile Functionalization Strategy for Ultrasensitive Organic Protein Biochips in Multi-Biomarker Determination. <i>Analytical Chemistry</i> , 2021, 93, 11305-11311.	6.5	12
508	Few-layered organic single-crystalline heterojunctions for high-performance phototransistors. <i>Nano Research</i> , 2022, 15, 2667-2673.	10.4	12
509	Modulated Rectification of Carboxylate-Terminated Self-Assembled Monolayer Junction by Humidity and Alkali Metal Ions: The Coupling and Asymmetric Factor Matter. <i>Journal of Physical Chemistry C</i> , 2021, 125, 21614-21623.	3.1	12
510	Polymer reptation for molecular assembly of copper phthalocyanine. <i>Applied Physics Letters</i> , 2009, 95, 113301.	3.3	11
511	Synthesis and aggregation-induced emissions of thienyl substituted cyclobutene derivatives. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5083-5086.	5.5	11
512	Poly(sodium-4-styrene sulfonate) (PSSNa)-assisted transferable flexible, top-contact high-resolution free-standing organic field-effect transistors. <i>RSC Advances</i> , 2015, 5, 98288-98292.	3.6	11
513	Assembly of Conjugated Nanosystems for Electronic Sensing Devices. <i>Advanced Electronic Materials</i> , 2017, 3, 1700209.	5.1	11
514	Organic Optoelectronics: 2D Organic Materials for Optoelectronic Applications (<i>Adv. Mater.</i> 2/2018). <i>Advanced Materials</i> , 2018, 30, 1870012.	21.0	11
515	From Linear to Angular Isomers: Achieving Tunable Charge Transport in Single-Crystal Indolocarbazoles Through Delicate Synergetic CH/NH... Interactions. <i>Angewandte Chemie</i> , 2018, 130, 9013-9018.	2.0	11
516	Cyclodextrin functionalized reduced graphene oxide for electrochemical chiral differentiation of tartaric acid. <i>Analytical Methods</i> , 2018, 10, 3660-3665.	2.7	11
517	Anisotropic Magnetoresistance in NiFe-Based Polymer Spin Valves. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 11654-11659.	8.0	11
518	Two-dimensional organic single-crystalline p-n junctions for ambipolar field transistors. <i>Science China Materials</i> , 2020, 63, 122-127.	6.3	11
519	Ultra-thin two-dimensional molecular crystals grown on a liquid surface for high-performance phototransistors. <i>Chemical Communications</i> , 2021, 57, 2669-2672.	4.1	11
520	The external electric field effect on the charge transport performance of organic semiconductors: a theoretical investigation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21044-21050.	10.3	11
521	Regulating the Solvation Sheath of Li Ions by Using Hydrogen Bonds for Highly Stable Lithium-Metal Anodes. <i>Angewandte Chemie</i> , 2021, 133, 10966-10974.	2.0	11
522	Controllable growth of centimeter-scale 2D crystalline conjugated polymers for photonic synaptic transistors. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2681-2689.	5.5	11

#	ARTICLE	IF	CITATIONS
523	Additive-Assisted Growth of Scaled and Quality 2D Materials. <i>Small</i> , 2022, 18, e2107241.	10.0	11
524	Integrating Unexpected High Charge-Carrier Mobility and Low-Threshold Lasing Action in an Organic Semiconductor. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	11
525	Themed issue on "organic optoelectronic materials". <i>Journal of Materials Chemistry</i> , 2012, 22, 4134-4135.	6.7	10
526	A thienyl peripherally substituted rubrene analogue with constant emissions and good film forming ability. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8222-8225.	5.5	10
527	Structure engineering: extending the length of azaacene derivatives through quinone bridges. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3628-3633.	5.5	10
528	Organic single-crystalline transistors based on Benzo[b]thiophen-Benzo[b]furan analogues with contorted configuration. <i>Organic Electronics</i> , 2018, 53, 57-65.	2.6	10
529	Smartly designed AIE triazoliums as unique targeting fluorescence tags for sulfonic biomacromolecule recognition via electrostatic locking™. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12529-12536.	5.5	10
530	Hole Mobility Modulation in Single-Crystal Metal Phthalocyanines by Changing the Metal-Interactions. <i>Angewandte Chemie</i> , 2018, 130, 10269-10274.	2.0	10
531	A Low-Temperature Solution-Process High-k Dielectric for High-Performance Flexible Organic Field-Effect Transistors. <i>Frontiers in Materials</i> , 2020, 7, .	2.4	10
532	Continuous and highly ordered organic semiconductor thin films via dip-coating: the critical role of meniscus angle. <i>Science China Materials</i> , 2020, 63, 1257-1264.	6.3	10
533	Monolayer Two-dimensional Molecular Crystals for an Ultrasensitive OFET-based Chemical Sensor. <i>Angewandte Chemie</i> , 2020, 132, 4410-4414.	2.0	10
534	Unveiling the role of Fe ₃ O ₄ in polymer spin valve near Verwey transition. <i>Nano Research</i> , 2021, 14, 304-310.	10.4	10
535	Few-layered two-dimensional molecular crystals for organic artificial visual memories with record-high photoresponse. <i>Journal of Materials Chemistry C</i> , 2021, 9, 8834-8841.	5.5	10
536	Stencil mask defined doctor blade printing of organic single crystal arrays for high-performance organic field-effect transistors. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3236-3245.	5.9	10
537	Tuning Rectification Properties of Molecular Electronic Devices by Mixed Monolayer. <i>Acta Chimica Sinica</i> , 2019, 77, 1031.	1.4	10
538	Cocrystal engineering: Tuning the charge transfer excitons for highly sensitive luminescent switching materials under multiple stimuli. <i>Science China Materials</i> , 2022, 65, 1320-1328.	6.3	10
539	A Centrosymmetric Organic Semiconductor with Donor-Acceptor Interaction for Highly Photostable Organic Transistors. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	10
540	Recent advances in the controlled chemical vapor deposition growth of bilayer 2D single crystals. <i>Journal of Materials Chemistry C</i> , 2022, 10, 13324-13350.	5.5	10

#	ARTICLE	IF	CITATIONS
541	Single Molecule Level and Label-Free Determination of Multibiomarkers with an Organic Field-Effect Transistor Platform in Early Cancer Diagnosis. <i>Analytical Chemistry</i> , 2022, 94, 6615-6620.	6.5	10
542	Oxygen-Assisted Anisotropic Chemical Etching of MoSe ₂ for Enhanced Phototransistors. <i>Chemistry of Materials</i> , 2022, 34, 4212-4223.	6.7	10
543	Advancing conjugated polymers into nanometer-scale devices. <i>Pure and Applied Chemistry</i> , 2006, 78, 1803-1822.	1.9	9
544	Optimizing molecular orientation for high performance organic thin film transistors based on titanyl phthalocyanine. <i>Journal of Materials Chemistry</i> , 2009, 19, 5507.	6.7	9
545	Soft-Etching Copper and Silver Electrodes for Significant Device Performance Improvement toward Facile, Cost-Effective, Bottom-Contacted, Organic Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 7919-7927.	8.0	9
546	Comparable charge transport property based on S ²⁺ -S interactions with that of π - π stacking in a bis-fused tetrathiafulvalene compound. <i>Science China Chemistry</i> , 2017, 60, 510-515.	8.2	9
547	Ultrathin silica film derived with ultraviolet irradiation of perhydropolysilazane for high performance and low voltage organic transistor and inverter. <i>Science China Materials</i> , 2018, 61, 1237-1242.	6.3	9
548	New anthracene derivatives integrating high mobility and strong emission. <i>Journal of Materials Chemistry C</i> , 2018, 6, 13257-13260.	5.5	9
549	Negative transconductance in multi-layer organic thin-film transistors. <i>Nanotechnology</i> , 2019, 30, 02LT01.	2.6	9
550	Two-dimensional conjugated polymers synthesized via on-surface chemistry. <i>Science China Materials</i> , 2020, 63, 172-176.	6.3	9
551	Enhanced ambipolar charge transport for efficient organic single crystal light-emitting transistors with a narrowed ambipolar regime. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16333-16338.	5.5	9
552	Preparing two-dimensional crystalline conjugated polymer films by synergetic polymerization and self-assembly at air/water interface. <i>Polymer Chemistry</i> , 2020, 11, 1572-1579.	3.9	9
553	Copper Tetracyanoquinodimethane: From Micro/Nanostructures to Applications. <i>Small</i> , 2021, 17, e2004143.	10.0	9
554	Preparation and assessment of reliable organic spin valves. <i>Organic Electronics</i> , 2021, 99, 106311.	2.6	9
555	When graphene meets white graphene – recent advances in the construction of graphene and <i>h</i> -BN heterostructures. <i>Nanoscale</i> , 2021, 13, 13174-13194.	5.6	9
556	Low-fouling CNT-PEG-hydrogel coated quartz crystal microbalance sensor for saliva glucose detection. <i>RSC Advances</i> , 2021, 11, 22556-22564.	3.6	9
557	Control of molecular packing toward a lateral microresonator for microlaser array. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8531-8537.	5.5	9
558	High-mobility polymeric semiconductors. <i>Chinese Science Bulletin</i> , 2015, 60, 2169-2187.	0.7	9

#	ARTICLE	IF	CITATIONS
559	Solution-processed crystalline organic integrated circuits. <i>Matter</i> , 2021, 4, 3415-3443.	10.0	9
560	An activatable DNA nanodevice for correlated imaging of apoptosis-related dual proteins. <i>Nanoscale</i> , 2022, 14, 6465-6470.	5.6	9
561	High-efficiency photocatalytic degradation of rhodamine 6G by organic semiconductor tetrathiafulvalene in weak acid–base environment. <i>Chemical Communications</i> , 2022, 58, 4251-4254.	4.1	9
562	Electroplating silver tetracyanoquinodimethane between gold micro-gap electrodes for the fabrication of coplanar devices, a new way to integrate material synthesis and devices fabrication within one step. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 91, 301-303.	2.3	8
563	Structure property relationships of benzo[b]thiophen/benzo[b]furan end-capped naphthalene oligomers and their application for organic field effect transistors. <i>RSC Advances</i> , 2015, 5, 31018-31023.	3.6	8
564	Electrocatalysts: Ternary NiCo ₂ P _x Nanowires as pH-Universal Electrocatalysts for Highly Efficient Hydrogen Evolution Reaction (<i>Adv. Mater.</i> 9/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	8
565	Photosensors: A Retina-Like Dual Band Organic Photosensor Array for Filter-Free Near-Infrared-to-Memory Operations (<i>Adv. Mater.</i> 32/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	8
566	High-mobility thienothiophene integrating strong emission and high photoresponsivity for multifunctional optoelectronic applications. <i>Organic Electronics</i> , 2020, 87, 105941.	2.6	8
567	Model Study on the Ideal Current–Voltage Characteristics and Rectification Performance of a Molecular Rectifier under Single-Level-Based Tunneling and Hopping Transport. <i>Journal of Physical Chemistry C</i> , 2020, 124, 24408-24419.	3.1	8
568	All-covalently-implanted FETs with ultrahigh solvent resistibility and exceptional electrical stability, and their applications for liver cancer biomarker detection. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7436-7446.	5.5	8
569	Exciton Transport in Molecular Semiconductor Crystals for Spin-Optoelectronics Paradigm. <i>Chemistry - A European Journal</i> , 2021, 27, 222-227.	3.3	8
570	One-Pot Confined Epitaxial Growth of 2D Heterostructure Arrays. , 2021, 3, 217-223.		8
571	Functionalization of Low-κ Polyimide Gate Dielectrics with Self-Assembly Monolayer Toward High-Performance Organic Field-Effect Transistors and Circuits. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100217.	3.7	8
572	p-n heterojunctions composed of two-dimensional molecular crystals for high-performance ambipolar organic field-effect transistors. <i>APL Materials</i> , 2021, 9, 051108.	5.1	8
573	Ternary Conductance Switching Realized by a Pillar[5]arene-Functionalized Two-Dimensional Imine Polymer Film. <i>Chemistry - A European Journal</i> , 2021, 27, 13605-13612.	3.3	8
574	A general route towards two-dimensional organic crystal-based functional fibriform transistors for wearable electronic textiles. <i>Journal of Materials Chemistry C</i> , 2021, 9, 472-480.	5.5	8
575	Topochemical polymerization of diacetylenes. <i>Chinese Science Bulletin</i> , 2016, 61, 2688-2706.	0.7	8
576	Synthesis and Property Study of Field-effect Emissive Conjugated Polymers Based on Styrene and Benzothiadiazole. <i>Acta Chimica Sinica</i> , 2020, 78, 945.	1.4	8

#	ARTICLE	IF	CITATIONS
577	Novel machine learning framework for thermal conductivity prediction by crystal graph convolution embedded ensemble. <i>SmartMat</i> , 2022, 3, 474-481.	10.7	8
578	Organic Field-Effect Transistor-Based Biosensors with Enhanced Sensitivity and Reliability under Illumination for Carcinoembryonic Antigen Bioassay. <i>Analytical Chemistry</i> , 2021, 93, 15167-15174.	6.5	8
579	Constructing Cu ₂ O/Bi ₂ MoO ₆ p-n heterojunction towards boosted photo-assisted-electro-Fenton-like synergy degradation of ciprofloxacin. <i>Environmental Science: Nano</i> , 2021, 8, 3629-3642.	4.3	8
580	High charge mobility polymers based on a new di(thiophen-2-yl)thieno[3,2-b]thiophene for transistors and solar cells. <i>Polymer Chemistry</i> , 2015, 6, 7684-7692.	3.9	7
581	The Impact of Interlayer Electronic Coupling on Charge Transport in Organic Semiconductors: A Case Study on Titanylphthalocyanine Single Crystals. <i>Angewandte Chemie</i> , 2016, 128, 5292-5295.	2.0	7
582	The Origins of the Differences between Alkyne Hydroalkoxylations Catalyzed by Quinolinolato- and Dipyrinato-ligated Rh ^I Complexes: A DFT Mechanistic Study. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2713-2722.	2.0	7
583	Fullerene-derivative as interlayer for high performance organic thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6052-6057.	5.5	7
584	Trisulfide-Bond Acenes for Organic Batteries. <i>Angewandte Chemie</i> , 2019, 131, 13647-13655.	2.0	7
585	Tunable oligo-histidine self-assembled monolayer junction and charge transport by a pH modulated assembly. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 26058-26065.	2.8	7
586	Polymer mask-weakening grain-boundary effect: towards high-performance organic thin-film transistors with mobility closing to 20 cm ² V ⁻¹ s ⁻¹ . <i>Materials Chemistry Frontiers</i> , 2020, 4, 2990-2994.	5.9	7
587	One-Pot Domino Carbonylation Protocol for Aromatic Diimides toward n-Type Organic Semiconductors. <i>Angewandte Chemie</i> , 2020, 132, 14128-14132.	2.0	7
588	Cocrystallization Tailoring Multiple Radiative Decay Pathways for Amplified Spontaneous Emission. <i>Angewandte Chemie</i> , 2021, 133, 285-293.	2.0	7
589	Boronic ester Sierpinski triangle fractals: from precursor design to on-surface synthesis and self-assembling superstructures. <i>Chemical Communications</i> , 2021, 57, 2065-2068.	4.1	7
590	Electron configurations at 3d orbital of metal ion determining charge transition process in memory devices. <i>Science China Materials</i> , 2021, 64, 1713-1722.	6.3	7
591	Patterning organic semiconductor crystals for optoelectronics. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	7
592	Thermally-enhanced photo-electric response of an organic semiconductor with low exciton binding energy for simultaneous and distinguishable detection of light and temperature. <i>Science China Chemistry</i> , 2022, 65, 145-152.	8.2	7
593	Generated Mercury(II) as a Peroxidase-like Activity Modulator via Stimulating the Expression of Active Sites of Silver Nanoparticles for Environmental Hg ²⁺ Detection. <i>ACS Applied Nano Materials</i> , 2022, 5, 2048-2056.	5.0	7
594	Non-Equal Ratio Cocrystal Engineering to Improve Charge Transport Characteristics of Organic Semiconductors: A Case Study on Indolo[2,3-a]carbazole. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	7

#	ARTICLE	IF	CITATIONS
595	Fluorinated Dielectrics—Modulated Organic Phototransistors and Flexible Image Sensors. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	7
596	Organic single crystals or crystalline micro/nanostructures: Preparation and field-effect transistor applications. <i>Science China Chemistry</i> , 2010, 53, 1225-1234.	8.2	6
597	Growth of large-size-two-dimensional crystalline pentacene grains for high performance organic thin film transistors. <i>AIP Advances</i> , 2012, 2, 022138.	1.3	6
598	Photovoltaic effect of individual polymer nanotube. <i>Applied Physics Letters</i> , 2012, 100, 173902.	3.3	6
599	Polyimide (PI) high-quality polymer dielectric films with the features of anti-solvents and large-area consistency for field-effect transistors. <i>RSC Advances</i> , 2015, 5, 88059-88062.	3.6	6
600	Kilohertz organic complementary inverters driven by surface-grafting conducting polypyrrole electrodes. <i>Solid-State Electronics</i> , 2016, 123, 51-57.	1.4	6
601	Selective sorting of metallic/semiconducting single-walled carbon nanotube arrays by —igniter-assisted gas-phase etching—™. <i>Materials Chemistry Frontiers</i> , 2018, 2, 157-162.	5.9	6
602	Deposition rate related DPA OFET threshold voltage shift and hysteresis variation. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12498-12502.	5.5	6
603	Neuromorphic Devices: A Ferroelectric/Electrochemical Modulated Organic Synapse for Ultraflexible, Artificial Visual-Perception System (<i>Adv. Mater.</i> 46/2018). <i>Advanced Materials</i> , 2018, 30, 1870349.	21.0	6
604	Separation of Arylenevinylene Macrocycles with a Surface—Confined Two—Dimensional Covalent Organic Framework. <i>Angewandte Chemie</i> , 2018, 130, 9122-9126.	2.0	6
605	Layer—Defining Strategy to Grow Two—Dimensional Molecular Crystals on a Liquid Surface down to the Monolayer Limit. <i>Angewandte Chemie</i> , 2019, 131, 16228-16232.	2.0	6
606	Carbon nanotubes assisting interchain charge transport in semiconducting polymer thin films towards much improved charge carrier mobility. <i>Science China Materials</i> , 2019, 62, 813-822.	6.3	6
607	Substitution site effect of naphthyl substituted anthracene derivatives and their applications in organic optoelectronics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15597-15602.	5.5	6
608	Photophysical tuning of small-molecule-doped organic crystals with long-persistent luminescence by variation of dopants. <i>Dyes and Pigments</i> , 2021, 193, 109501.	3.7	6
609	The effect of electron-withdrawing substituents in asymmetric anthracene derivative semiconductors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4217-4222.	5.5	6
610	Molecular spinterface in F ₄ TCNQ-doped polymer spin valves. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2608-2615.	5.5	6
611	Self-Assembly Graphene Arrays on a Liquid Cu—Ag Alloy. <i>Chemistry of Materials</i> , 2021, 33, 8649-8655.	6.7	6
612	Research on Key Materials and Devices of Organic Light-emitting Transistors^{â€‹}. <i>Acta Chimica Sinica</i> , 2022, 80, 327.	1.4	6

#	ARTICLE	IF	CITATIONS
613	Multi-stage anisotropic etching of two-dimensional heterostructures. <i>Nano Research</i> , 2022, 15, 4909-4915.	10.4	6
614	Low-power high-mobility organic single-crystal field-effect transistor. <i>Science China Materials</i> , 2022, 65, 2779-2785.	6.3	6
615	An Organic Field-Effect-Transistor Based on Langmuir-Blodgett Films of a New Asymmetrically Substituted Phthalocyanine, 1,8-Naphthaimide-Tri-Tert-Butylphthalocyanine. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 337, 511-514.	0.3	5
616	Synthesis and application of benzooxadiazole-based conjugated polymers in high performance phototransistors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 12083-12089.	5.5	5
617	Touching polymer chains by organic field-effect transistors. <i>Scientific Reports</i> , 2015, 4, 6387.	3.3	5
618	Organic Light-Emitting Transistors: Organic Light-Emitting Transistors: Materials, Device Configurations, and Operations (Small 10/2016). <i>Small</i> , 2016, 12, 1392-1392.	10.0	5
619	Tuning the aggregation structure and electrical property of 2,6-diphenyl-anthracene by the density of octadecyltrichlorosilane. <i>Science China Chemistry</i> , 2016, 59, 1645-1650.	8.2	5
620	Random Access Memory: Organic Ferroelectric-Based 1T1T Random Access Memory Cell Employing a Common Dielectric Layer Overcoming the Half-Selection Problem (<i>Adv. Mater.</i> 34/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	5
621	Organic Single Crystals: N-Type 2D Organic Single Crystals for High-Performance Organic Field-Effect Transistors and Near-Infrared Phototransistors (<i>Adv. Mater.</i> 16/2018). <i>Advanced Materials</i> , 2018, 30, 1870114.	21.0	5
622	Diphenylene-Tetracyanoquinodimethane Cocrystals as Stable Organic Rectifiers. <i>ChemPlusChem</i> , 2019, 84, 1245-1248.	2.8	5
623	Phenanthrene derivatives combined charge transport properties and strong solid-state emission. <i>Science China Chemistry</i> , 2019, 62, 916-920.	8.2	5
624	Eu-based coordination polymer microrods for low-loss optical waveguiding application. <i>Nanoscale</i> , 2019, 11, 21061-21067.	5.6	5
625	A donor-acceptor type macrocycle: toward photolyzable self-assembly. <i>Chemical Communications</i> , 2020, 56, 3939-3942.	4.1	5
626	High-mobility organic single-crystalline transistors with anisotropic transport based on high symmetrical α -H-shaped heteroarene derivatives. <i>Journal of Materials Chemistry C</i> , 2020, 8, 11477-11484.	5.5	5
627	Template-Assisted Electrochemical Deposition for Organic and Hybrid Nanowire Electronics. <i>Advanced Optical Materials</i> , 2020, 8, 2000866.	7.3	5
628	Cocrystal Engineering: Toward Solution-Processed Near-Infrared 2D Organic Cocrystals for Broadband Photodetection. <i>Angewandte Chemie</i> , 2021, 133, 6414-6420.	2.0	5
629	Spin injection and transport in single-crystalline organic spin valves based on TIPS-pentacene. <i>Science China Materials</i> , 2021, 64, 2795-2804.	6.3	5
630	Molecular Weight Engineering in High-Performance Ambipolar Emissive Mesopolymers. <i>Angewandte Chemie</i> , 2021, 133, 15028-15034.	2.0	5

#	ARTICLE	IF	CITATIONS
631	High Mobility Organic Lasing Semiconductor with Crystallization-Enhanced Emission for Light-Emitting Transistors. <i>Angewandte Chemie</i> , 2021, 133, 20436-20441.	2.0	5
632	<i>In situ</i> observation of organic single micro-crystal fabrication by solvent vapor annealing. <i>Journal of Materials Chemistry C</i> , 2021, 9, 9124-9129.	5.5	5
633	Improving the charge injection in bottom contact organic transistors by carbon electrodes. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2838-2844.	5.5	5
634	Soft template-assisted self-assembly: a general strategy toward two-dimensional molecular crystals for high-performance organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2575-2580.	5.5	5
635	Efficient energy transfer in organic light-emitting transistor with tunable wavelength. <i>Nano Research</i> , 2022, 15, 3647-3652.	10.4	5
636	Highly Efficient Contact Doping for High-Performance Organic UV-Sensitive Phototransistors. <i>Crystals</i> , 2022, 12, 651.	2.2	5
637	TCNQ-based organic cocrystal integrated red emission and n-type charge transport. <i>Frontiers of Optoelectronics</i> , 2022, 15, .	3.7	5
638	Octahedron of zero-valent and mono-valent copper anchored on nitrogen doping porous carbon to enhance heterogeneous electro-Fenton like activity. <i>Journal of Water Process Engineering</i> , 2022, 47, 102803.	5.6	5
639	A new pseudo rubrene analogue with excellent film forming ability. <i>Science China Chemistry</i> , 2011, 54, 631-635.	8.2	4
640	Thermal induced single grain boundary break junction for suspended nanogap electrodes. <i>Science China Materials</i> , 2015, 58, 769-774.	6.3	4
641	Individual single-crystal nanowires as electrodes for organic single-crystal nanodevices. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9534-9539.	5.5	4
642	Nanogap Electrodes: Single Grain Boundary Break Junction for Suspended Nanogap Electrodes with Gapwidth Down to 1.2 nm by Focused Ion Beam Milling (<i>Adv. Mater.</i> 19/2015). <i>Advanced Materials</i> , 2015, 27, 3095-3095.	21.0	4
643	Construction of Ag/AgCl nanostructures from Ag nanoparticles as high-performance visible-light photocatalysts. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	4
644	Enhanced stability of a rubrene analogue with a brickwork packing motif. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8376-8379.	5.5	4
645	Two-Pathway Viewpoint to Interpret Quantum Interference in Molecules Containing Five-Membered Heterocycles: Thienoacenes as Examples. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15977-15984.	3.1	4
646	Extremely Sensitive, Allochroic Airflow Sensors by Synergistic Effect of Reversible Water Molecules Adsorption and Tunable Interlayer Distance in Graphene Oxide Film. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900365.	3.7	4
647	Polymorph and anisotropic Raman spectroscopy of Phz-H2ca cocrystals. <i>Science China Materials</i> , 2021, 64, 169-178.	6.3	4
648	Study of the Redox Potentials of Benzoquinone and Its Derivatives by Combining Electrochemistry and Computational Chemistry. <i>Journal of Chemical Education</i> , 2021, 98, 3019-3025.	2.3	4

#	ARTICLE	IF	CITATIONS
649	Band-Like Charge Transport in Small-Molecule Thin Film toward High-Performance Organic Phototransistors at Low Temperature. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	4
650	High mobility n-type organic semiconductors with tunable exciton dynamics toward photo-stable and photo-sensitive transistors. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8874-8880.	5.5	4
651	An organic cocrystal based on phthalocyanine with ideal packing mode towards high-performance ambipolar property. <i>Journal of Materials Chemistry C</i> , 2022, 10, 9596-9601.	5.5	4
652	DPA-MoS ₂ van der Waals Heterostructures for Ambipolar Transistor and Wavelength-dependent Photodetection. , 2022, 4, 1483-1492.		4
653	Organic Field-Effect Transistors: High-Performance Organic Single-Crystal Field-Effect Transistors of Indolo[3,2-b]carbazole and Their Potential Applications in Gas Controlled Organic Memory Devices (<i>Adv. Mater.</i> 43/2011). <i>Advanced Materials</i> , 2011, 23, 5074-5074.	21.0	3
654	Organic Nanocrystals: Atomically Flat, Large-Sized, Two-Dimensional Organic Nanocrystals (Small) Tj ETQqO 0 0, rgBT /Overlock 10 T	10.0	3
655	Organic Electronics: Regioselective Deposition Method to Pattern Silver Electrodes Facilely and Efficiently with High Resolution: Towards All-Solution-Processed, High-Performance,		

#	ARTICLE	IF	CITATIONS
667	Kondo effect in quantum dots and molecular devices. <i>Science Bulletin</i> , 2005, 50, 2132-2139.	1.7	2
668	Surface nanostructures orienting self-protection of an orthodontic nickel-titanium shape memory alloys wire. <i>Science Bulletin</i> , 2007, 52, 3020-3023.	1.7	2
669	Air-stable ambipolar field-effect transistors based on copper phthalocyanine and tetracyanoquinodimethane. <i>Research on Chemical Intermediates</i> , 2008, 34, 147-153.	2.7	2
670	Photoswitches: High Performance Photoswitches Based on Flexible and Amorphous D ¹⁸ A Polymer Nanowires (<i>Small</i> 2/2013). <i>Small</i> , 2013, 9, 166-166.	10.0	2
671	Molecular Electronics: Nanogap Electrodes towards Solid State Single-Molecule Transistors (<i>Small</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	10.0	2
672	Modulating the metal/organic interface via CuTCNQ decorated layer toward high performance bottom-contact single-crystal transistors. <i>Science China Chemistry</i> , 2015, 58, 1027-1031.	8.2	2
673	Organic Memory Devices: 2D Mica Crystal as Electret in Organic Field-Effect Transistors for Multistate Memory (<i>Adv. Mater.</i> 19/2016). <i>Advanced Materials</i> , 2016, 28, 3792-3792.	21.0	2
674	Plasmonic materials for flexible near-infrared photovoltaic devices. <i>Science China Materials</i> , 2016, 59, 410-411.	6.3	2
675	Solution-Processable Balanced Ambipolar Field-Effect Transistors Based on Carbonyl-Regulated Copolymers. <i>Chemistry - an Asian Journal</i> , 2018, 13, 846-852.	3.3	2
676	Organic Single Crystals: A π -Phase Separation-Molecular Design Strategy Towards Large-Area 2D Molecular Crystals (<i>Adv. Mater.</i> 35/2019). <i>Advanced Materials</i> , 2019, 31, 1970251.	21.0	2
677	Efficient Construction of Highly-fused Diperylene Bismides by Cu/Oxalic Diamide-promoted Zipper-mode Double C-H Activation. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 110-114.	2.6	2
678	Organic Field-Effect Transistors: Challenges and Emerging Opportunities in High-Mobility and Low-Energy-Consumption Organic Field-Effect Transistors (<i>Adv. Energy Mater.</i> 29/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070126.	19.5	2
679	An intermolecular hydrogen bond plays a determining role in product selection of a surface confined Schiff-base reaction. <i>Chemical Communications</i> , 2021, 57, 6495-6498.	4.1	2
680	Tailoring the strength and number of halogen bonds toward room temperature phosphorescent microcrystals. <i>Nano Select</i> , 2021, 2, 1509-1516.	3.7	2
681	Bandgap Engineering of an Aryl-Fused Tetrathianaphthalene for Visible-Blind Organic Field-Effect Transistors. <i>Frontiers in Chemistry</i> , 2021, 9, 698246.	3.6	2
682	Nanospheres Lithography: Recent Advances of Nanospheres Lithography in Organic Electronics (<i>Small</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	10.0	2
683	The way towards for ultraflat and superclean graphene. <i>Nano Select</i> , 2022, 3, 485-504.	3.7	2
684	Amine-Anchored Aromatic Self-Assembled Monolayer Junction: Structure and Electric Transport Properties. <i>Langmuir</i> , 2021, 37, 12223-12233.	3.5	2

#	ARTICLE	IF	CITATIONS
685	Growth direction dependent separate-channel charge transport in the organic weak charge-transfer co-crystal of anthraceneâ€“DTTCNQ. <i>Materials Horizons</i> , 2022, , .	12.2	2
686	A single level tunneling model for molecular junctions: evaluating the simulation methods. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 11958-11966.	2.8	2
687	Excited State Properties of Aggregationâ€“Induced Delayed Fluorescence Molecules: A Microscopic Insight. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	2
688	Progresses in organic field-effect transistors and molecular electronics. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2006, 1, 357-363.	0.4	1
689	Organic Nanowires: Organic Nanowire Crystals Combine Excellent Device Performance and Mechanical Flexibility (<i>Small</i> 2/2011). <i>Small</i> , 2011, 7, 162-162.	10.0	1
690	Device Arrays: Mass-Production of Single-Crystalline Device Arrays of an Organic Charge-Transfer Complex for its Memory Nature (<i>Small</i> 4/2012). <i>Small</i> , 2012, 8, 478-478.	10.0	1
691	Transistors: Inkjet Printing Shortâ€“Channel Polymer Transistors with Highâ€“Performance and Ultrahigh Photoresponsivity (<i>Adv. Mater.</i> 27/2014). <i>Advanced Materials</i> , 2014, 26, 4752-4752.	21.0	1
692	Graphene: Near-Equilibrium Chemical Vapor Deposition of High-Quality Single-Crystal Graphene Directly on Various Dielectric Substrates (<i>Adv. Mater.</i> 9/2014). <i>Advanced Materials</i> , 2014, 26, 1471-1471.	21.0	1
693	Ultrathin annealing-free polymer layers: new opportunity to enhance mobility and stability of low-voltage thin-film organic transistors. <i>RSC Advances</i> , 2016, 6, 51264-51269.	3.6	1
694	Fieldâ€“Effect Devices: Molecular Crystal Engineering: Tuning Organic Semiconductor from pâ€“type to nâ€“type by Adjusting Their Substitutional Symmetry (<i>Adv. Mater.</i> 10/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	1
695	Sequence modulation of tunneling barrier and charge transport across histidine doped oligo-alanine molecular junctions. <i>Chinese Chemical Letters</i> , 2021, 32, 3782-3786.	9.0	1
696	Armadillo-inspired micro-foldable metal electrodes with a negligible resistance change under large stretchability. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4046-4052.	5.5	1
697	Integrating Unexpected High Chargeâ€“Carrier Mobility and Lowâ€“Threshold Lasing Action in an Organic Semiconductor. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	1
698	A Small Molecular Allâ€“Organic Symmetric Lithiumâ€“Ion Battery. <i>Angewandte Chemie</i> , 0, , .	2.0	1
699	The flexible sensors based on organic field-effect transistors: materials, mechanisms, and applications. <i>Scientia Sinica Chimica</i> , 2022, 52, 2080-2091.	0.4	1
700	Glossary of the book. , 2013, , 487-495.		0
701	Graphene: Layerâ€“Stacking Growth and Electrical Transport of Hierarchical Graphene Architectures (<i>Adv. Mater.</i> 20/2014). <i>Advanced Materials</i> , 2014, 26, 3355-3355.	21.0	0
702	Titelbild: A General Method for Growing Twoâ€“Dimensional Crystals of Organic Semiconductors by â€œSolution Epitaxyâ€“ (<i>Angew. Chem.</i> 33/2016). <i>Angewandte Chemie</i> , 2016, 128, 9593-9593.	2.0	0

#	ARTICLE	IF	CITATIONS
703	Titelbild: Competition between Arene-Perfluoroarene and Charge-Transfer Interactions in Organic Light-Harvesting Systems (Angew. Chem. 35/2017). Angewandte Chemie, 2017, 129, 10383-10383.	2.0	0
704	Sensors: Assembly of π -Conjugated Nanosystems for Electronic Sensing Devices (Adv. Electron. Mater.) Tj ETQq0,0 0 rgBT /Overlock 1	5.1	0
705	Innenr¼cktitelbild: From Linear to Angular Isomers: Achieving Tunable Charge Transport in Single-Crystal Indolocarbazoles Through Delicate Synergetic CH/NH-...-...-... Interactions (Angew. Chem.) Tj ETQq1 1 0784314	11.0	0
706	Organic Field-Effect Transistors: Triple Acceptors in a Polymeric Architecture for Balanced Ambipolar Transistors and High-Gain Inverters (Adv. Mater. 32/2018). Advanced Materials, 2018, 30, 1870241.	21.0	0
707	Organic Light-Emitting Transistors: High-Efficiency Single-Component Organic Light-Emitting Transistors (Adv. Mater. 37/2019). Advanced Materials, 2019, 31, 1970266.	21.0	0
708	Innenr¼cktitelbild: Layer-Defining Strategy to Grow Two-Dimensional Molecular Crystals on a Liquid Surface down to the Monolayer Limit (Angew. Chem. 45/2019). Angewandte Chemie, 2019, 131, 16479-16479.	2.0	0
709	Airflow Sensors: Extremely Sensitive, Allochroic Airflow Sensors by Synergistic Effect of Reversible Water Molecules Adsorption and Tunable Interlayer Distance in Graphene Oxide Film (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT/Overlock	11.0	0
710	Organic Light-Emitting Transistors: Organic Light-Emitting Transistors Entering a New Development Stage (Adv. Mater. 31/2021). Advanced Materials, 2021, 33, 2170245.	21.0	0
711	Special issue dedicated to Professor Daoben Zhu on the occasion of his 80th birthday. SmartMat, 2021, 2, 251-251.	10.7	0
712	Materials chemistry research at Tianjin University. Materials Chemistry Frontiers, 2020, 4, 690-691.	5.9	0