

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

2696

98
h-index

5739

167
g-index

757
all docs

757
docs citations

757
times ranked

36433
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-voltage polymer-dielectric-based organic field-effect transistors and applications. <i>Nano Select</i> , 2022, 3, 20-38.	1.9	15
2	The way towards for ultraflat and superclean graphene. <i>Nano Select</i> , 2022, 3, 485-504.	1.9	2
3	Few-layered organic single-crystalline heterojunctions for high-performance phototransistors. <i>Nano Research</i> , 2022, 15, 2667-2673.	5.8	12
4	Organic Semiconductor Crystal Engineering for High-Resolution Layer-Controlled 2D Crystal Arrays. <i>Advanced Materials</i> , 2022, 34, e2104166.	11.1	18
5	Bimetallic phthalocyanine heterostructure used for highly selective electrocatalytic CO ₂ reduction. <i>Science China Materials</i> , 2022, 65, 155-162.	3.5	32
6	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.	6.6	34
7	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.	4.2	18
8	Controllable growth of centimeter-scale 2D crystalline conjugated polymers for photonic synaptic transistors. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2681-2689.	2.7	11
9	Molecular spinterface in F ₄ TCNQ-doped polymer spin valves. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2608-2615.	2.7	6
10	Intrinsic Linear Dichroism of Organic Single Crystals toward High-Performance Polarization-Sensitive Photodetectors. <i>Advanced Materials</i> , 2022, 34, e2105665.	11.1	23
11	Color-Tunable Supramolecular Luminescent Materials. <i>Advanced Materials</i> , 2022, 34, e2105405.	11.1	74
12	Novel machine learning framework for thermal conductivity prediction by crystal graph convolution embedded ensemble. <i>SmartMat</i> , 2022, 3, 474-481.	6.4	8
13	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.	4.2	7
14	The prospects of organic semiconductor single crystals for spintronic applications. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2507-2515.	2.7	14
15	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.	2.7	13
16	Cocrystal engineering for constructing two-photon absorption materials by controllable intermolecular interactions. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2562-2568.	2.7	15
17	Capillary-Confinement Crystallization for Monolayer Molecular Crystal Arrays. <i>Advanced Materials</i> , 2022, 34, e2107574.	11.1	25
18	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.	11.1	26

#	ARTICLE	IF	CITATIONS
19	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.	3.5	10
20	Improving the charge injection in bottom contact organic transistors by carbon electrodes. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2838-2844.	2.7	5
21	2D Covalent Organic Frameworks: From Synthetic Strategies to Advanced Optical/Electrical/Magnetic Functionalities. <i>Advanced Materials</i> , 2022, 34, e2102290.	11.1	96
22	Growth direction dependent separate-channel charge transport in the organic weak charge-transfer co-crystal of anthracene/DTTCNQ. <i>Materials Horizons</i> , 2022, , .	6.4	2
23	Additive-Assisted Growth of Scaled and Quality 2D Materials. <i>Small</i> , 2022, 18, e2107241.	5.2	11
24	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.	3.2	13
25	Polycyclic aromatic hydrocarbon-based organic semiconductors: ring-closing synthesis and optoelectronic properties. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2411-2430.	2.7	42
26	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.	11.1	17
27	Recent Advances in Growth of Transition Metal Carbides and Nitrides (MXenes) Crystals. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	43
28	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.	2.7	5
29	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.	2.4	7
30	Coherently degenerate state engineering of organic small molecule materials to generate Wannier excitons. <i>Chemical Physics Impact</i> , 2022, 4, 100062.	1.7	3
31	A Centrosymmetric Organic Semiconductor with Donor-Acceptor Interaction for Highly Photostable Organic Transistors. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	10
32	Perspectives of ionic covalent organic frameworks for rechargeable batteries. <i>Coordination Chemistry Reviews</i> , 2022, 458, 214431.	9.5	27
33	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.	5.0	16
34	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.	5.2	23
35	Recent progress in polymer-based infrared photodetectors. <i>Journal of Materials Chemistry C</i> , 2022, 10, 13312-13323.	2.7	28
36	Research on Key Materials and Devices of Organic Light-emitting Transistors. <i>Acta Chimica Sinica</i> , 2022, 80, 327.	0.5	6

#	ARTICLE	IF	CITATIONS
37	An activatable DNA nanodevice for correlated imaging of apoptosis-related dual proteins. <i>Nanoscale</i> , 2022, 14, 6465-6470.	2.8	9
38	High-efficiency photocatalytic degradation of rhodamine 6G by organic semiconductor tetrathiafulvalene in weak acidic/basic environment. <i>Chemical Communications</i> , 2022, 58, 4251-4254.	2.2	9
39	Band-Like Charge Transport in Small-Molecule Thin Film toward High-Performance Organic Phototransistors at Low Temperature. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	4
40	Electrocatalytic Reduction of Nitrogen to Ammonia in Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 4345-4358.	3.2	21
41	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.	4.0	13
42	Topological supramolecular network enabled high-conductivity, stretchable organic bioelectronics. <i>Science</i> , 2022, 375, 1411-1417.	6.0	230
43	Negative Phototransistors with Ultrahigh Sensitivity and Weak-Light Detection Based on 1D/2D Molecular Crystal π -n Heterojunctions and their Application in Light Encoders. <i>Advanced Materials</i> , 2022, 34, e2201364.	11.1	26
44	Integrating Unexpected High Charge-Carrier Mobility and Low-Threshold Lasing Action in an Organic Semiconductor. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	1
45	Integrating Unexpected High Charge-Carrier Mobility and Low-Threshold Lasing Action in an Organic Semiconductor. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	11
46	BN-Anthracene for High-Mobility Organic Optoelectronic Materials through Periphery Engineering. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	14
47	Balancing the film strain of organic semiconductors for ultrastable organic transistors with a five-year lifetime. <i>Nature Communications</i> , 2022, 13, 1480.	5.8	26
48	Selectivity regulation of CO ₂ electroreduction on asymmetric AuAgCu tandem heterostructures. <i>Nano Research</i> , 2022, 15, 7861-7867.	5.8	30
49	BN-Anthracene for High-Mobility Organic Optoelectronic Materials through Periphery Engineering. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	43
50	Multi-stage anisotropic etching of two-dimensional heterostructures. <i>Nano Research</i> , 2022, 15, 4909-4915.	5.8	6
51	Construction and nanotribological study of a glassy covalent organic network on surface. <i>Nano Research</i> , 2022, 15, 4682-4686.	5.8	3
52	Pathway Manipulation via Ni, Co, and V Ternary Synergism to Realize High Efficiency for Urea Electrocatalytic Oxidation. <i>ACS Catalysis</i> , 2022, 12, 569-579.	5.5	101
53	Efficient energy transfer in organic light-emitting transistor with tunable wavelength. <i>Nano Research</i> , 2022, 15, 3647-3652.	5.8	5
54	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.	2.7	10

#	ARTICLE	IF	CITATIONS
55	High-performance five-ring-fused organic semiconductors for field-effect transistors. <i>Chemical Society Reviews</i> , 2022, 51, 3071-3122.	18.7	49
56	A single level tunneling model for molecular junctions: evaluating the simulation methods. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 11958-11966.	1.3	2
57	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.	3.2	10
58	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.	2.7	4
59	Oxygen-Assisted Anisotropic Chemical Etching of MoSe ₂ for Enhanced Phototransistors. <i>Chemistry of Materials</i> , 2022, 34, 4212-4223.	3.2	10
60	Near-Amorphous Conjugated Polymers: An Emerging Class of Semiconductors for Flexible Electronics. , 2022, 4, 1112-1123.		14
61	Highly Efficient Contact Doping for High-Performance Organic UV-Sensitive Phototransistors. <i>Crystals</i> , 2022, 12, 651.	1.0	5
62	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, .	7.2	7
63	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</i> , 2022, 134, .	1.6	3
64	TCNQ-based organic cocrystal integrated red emission and n-type charge transport. <i>Frontiers of Optoelectronics</i> , 2022, 15, .	1.9	5
65	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.	2.6	5
66	In Situ Synthesis of Organopolysulfides Enabling Spatial and Kinetic Co-Mediation of Sulfur Chemistry. <i>ACS Nano</i> , 2022, 16, 9163-9171.	7.3	13
67	A Small Molecular Symmetric All-Organic Lithium-Ion Battery. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	37
68	Low-power high-mobility organic single-crystal field-effect transistor. <i>Science China Materials</i> , 2022, 65, 2779-2785.	3.5	6
69	Fluorinated Dielectrics-Modulated Organic Phototransistors and Flexible Image Sensors. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	7
70	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.	2.7	4
71	The flexible sensors based on organic field-effect transistors: materials, mechanisms, and applications. <i>Scientia Sinica Chimica</i> , 2022, 52, 2080-2091.	0.2	1
72	Molecular doped, color-tunable, high-mobility, emissive, organic semiconductors for light-emitting transistors. <i>Science Advances</i> , 2022, 8, .	4.7	31

#	ARTICLE	IF	CITATIONS
73	Excited State Properties of Aggregation-Induced Delayed Fluorescence Molecules: A Microscopic Insight. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	2
74	DPA-MoS ₂ van der Waals Heterostructures for Ambipolar Transistor and Wavelength-dependent Photodetection. , 2022, 4, 1483-1492.		4
75	Molecular cocrystal odyssey to unconventional electronics and photonics. <i>Science Bulletin</i> , 2021, 66, 512-520.	4.3	25
76	Polymorph and anisotropic Raman spectroscopy of Phz-H2ca cocrystals. <i>Science China Materials</i> , 2021, 64, 169-178.	3.5	4
77	Cocrystallization Tailoring Multiple Radiative Decay Pathways for Amplified Spontaneous Emission. <i>Angewandte Chemie</i> , 2021, 133, 285-293.	1.6	7
78	Cocrystallization Tailoring Multiple Radiative Decay Pathways for Amplified Spontaneous Emission. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 281-289.	7.2	33
79	Unveiling the role of Fe ₃ O ₄ in polymer spin valve near Verwey transition. <i>Nano Research</i> , 2021, 14, 304-310.	5.8	10
80	Exciton Transport in Molecular Semiconductor Crystals for Spin-Optoelectronics Paradigm. <i>Chemistry - A European Journal</i> , 2021, 27, 222-227.	1.7	8
81	Recent Advances in Growth of Large-Sized 2D Single Crystals on Cu Substrates. <i>Advanced Materials</i> , 2021, 33, e2003956.	11.1	26
82	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.	2.6	18
83	Copper Tetracyanoquinodimethane: From Micro/Nanostructures to Applications. <i>Small</i> , 2021, 17, e2004143.	5.2	9
84	A Fe-Ni ₅ P ₄ /Fe-Ni ₂ P heterojunction electrocatalyst for highly efficient solar-to-hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1221-1229.	5.2	33
85	Cocrystal Engineering: Toward Solution-Processed Near-Infrared 2D Organic Cocrystals for Broadband Photodetection. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6344-6350.	7.2	43
86	Research progress of rubrene as an excellent multifunctional organic semiconductor. <i>Frontiers of Physics</i> , 2021, 16, 1.	2.4	14
87	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.	3.5	17
88	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.	2.7	27
89	High-Quality Two-Dimensional Metal-Organic Framework Nanofilms for Nonvolatile Memristive Switching. <i>Small Structures</i> , 2021, 2, 2000077.	6.9	24
90	Long afterglow MOFs: a frontier study on synthesis and applications. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6824-6849.	3.2	26

#	ARTICLE	IF	CITATIONS
91	Effectively modulating thermal activated charge transport in organic semiconductors by precise potential barrier engineering. <i>Nature Communications</i> , 2021, 12, 21.	5.8	51
92	Ultra-thin two-dimensional molecular crystals grown on a liquid surface for high-performance phototransistors. <i>Chemical Communications</i> , 2021, 57, 2669-2672.	2.2	11
93	One-Pot Confined Epitaxial Growth of 2D Heterostructure Arrays. , 2021, 3, 217-223.		8
94	Boronic ester Sierpiński triangle fractals: from precursor design to on-surface synthesis and self-assembling superstructures. <i>Chemical Communications</i> , 2021, 57, 2065-2068.	2.2	7
95	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.	5.2	11
96	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.	2.2	2
97	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.	2.7	10
98	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.	3.2	10
99	Small molecule-doped organic crystals towards long-persistent luminescence in water and air. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5093-5097.	2.7	16
100	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.	2.7	12
101	Engineering the Interfacial Materials of Organic Field-Effect Transistors for Efficient Charge Transport. <i>Accounts of Materials Research</i> , 2021, 2, 159-169.	5.9	13
102	Electrically Conductive Coordination Polymers for Electronic and Optoelectronic Device Applications. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1612-1630.	2.1	55
103	Tailoring the strength and number of halogen bonds toward room temperature phosphorescent microcrystals. <i>Nano Select</i> , 2021, 2, 1509-1516.	1.9	2
104	Cocrystal Engineering: Toward Solution-Processed Near-Infrared 2D Organic Cocrystals for Broadband Photodetection. <i>Angewandte Chemie</i> , 2021, 133, 6414-6420.	1.6	5
105	Vertical-organic nanocrystal arrays for crossbar memristors with tuning switching dynamics toward neuromorphic computing. <i>SmartMat</i> , 2021, 2, 99-108.	6.4	73
106	Electron configurations at 3d orbital of metal ion determining charge transition process in memory devices. <i>Science China Materials</i> , 2021, 64, 1713-1722.	3.5	7
107	Ultrasensitive and Reliable Organic Field-Effect Transistor-Based Biosensors in Early Liver Cancer Diagnosis. <i>Analytical Chemistry</i> , 2021, 93, 6188-6194.	3.2	35
108	Deep insight into the charge transfer interactions in 1,2,4,5-tetracyanobenzene-phenazine cocrystal. <i>Chinese Chemical Letters</i> , 2021, 32, 3007-3010.	4.8	20

#	ARTICLE	IF	CITATIONS
109	Effect of contact resistance in organic field-effect transistors. <i>Nano Select</i> , 2021, 2, 1661-1681.	1.9	18
110	Organic thin film transistors-based biosensors. <i>EcoMat</i> , 2021, 3, e12094.	6.8	52
111	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.	4.2	12
112	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.	1.9	8
113	2D MXene-Molecular Hybrid Additive for High-Performance Ambipolar Polymer Field-Effect Transistors and Logic Gates. <i>Advanced Materials</i> , 2021, 33, e2008215.	11.1	26
114	1D Mixed-Stack Cocrystals Based on Perylene Diimide toward Ambipolar Charge Transport. <i>Small</i> , 2021, 17, e2006574.	5.2	19
115	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.	4.0	21
116	Regulating the Solvation Sheath of Li Ions by Using Hydrogen Bonds for Highly Stable Lithium-Metal Anodes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10871-10879.	7.2	89
117	Sequence modulation of tunneling barrier and charge transport across histidine doped oligo-alanine molecular junctions. <i>Chinese Chemical Letters</i> , 2021, 32, 3782-3786.	4.8	1
118	The More, the Better-Recent Advances in Construction of 2D Multi-Heterostructures. <i>Advanced Functional Materials</i> , 2021, 31, 2102049.	7.8	27
119	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.	1.6	11
120	Revealing molecular conformation-induced stress at embedded interfaces of organic optoelectronic devices by sum frequency generation spectroscopy. <i>Science Advances</i> , 2021, 7, .	4.7	29
121	Sub-5 nm single crystalline organic π -n heterojunctions. <i>Nature Communications</i> , 2021, 12, 2774.	5.8	39
122	p-n heterojunctions composed of two-dimensional molecular crystals for high-performance ambipolar organic field-effect transistors. <i>APL Materials</i> , 2021, 9, 051108.	2.2	8
123	Bandgap Engineering of an Aryl-Fused Tetrathianaphthalene for Visible-Blind Organic Field-Effect Transistors. <i>Frontiers in Chemistry</i> , 2021, 9, 698246.	1.8	2
124	Organic Light-Emitting Transistors Entering a New Development Stage. <i>Advanced Materials</i> , 2021, 33, e2007149.	11.1	99
125	Recent Advances of Nanospheres Lithography in Organic Electronics. <i>Small</i> , 2021, 17, e2100724.	5.2	17
126	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.	3.1	55

#	ARTICLE	IF	CITATIONS
127	Tandem catalysis in electrochemical CO ₂ reduction reaction. <i>Nano Research</i> , 2021, 14, 4471-4486.	5.8	105
128	Spin injection and transport in single-crystalline organic spin valves based on TIPS-pentacene. <i>Science China Materials</i> , 2021, 64, 2795-2804.	3.5	5
129	Molecular Weight Engineering in High-Performance Ambipolar Emissive Mesopolymers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14902-14908.	7.2	28
130	Well-balanced ambipolar diketopyrrolopyrrole-based copolymers for OFETs, inverters and frequency doublers. <i>Science China Chemistry</i> , 2021, 64, 1410-1416.	4.2	19
131	Isomeric Dibenzoseptazethrenes for Air-Stable Organic Field-Effect Transistors. <i>Angewandte Chemie</i> , 2021, 133, 16366-16372.	1.6	14
132	Molecular Weight Engineering in High-Performance Ambipolar Emissive Mesopolymers. <i>Angewandte Chemie</i> , 2021, 133, 15028-15034.	1.6	5
133	Nanospheres Lithography: Recent Advances of Nanospheres Lithography in Organic Electronics (Small) Tj ETQq1 1 0.784314 2gBT /Over 5.2	5.2	14
134	Successive Storage of Cations and Anions by Ligands of π -Conjugated Coordination Polymers Enabling Robust Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18769-18776.	7.2	86
135	Spatially Selective Imaging of Mitochondrial MicroRNAs via Optically Programmable Strand Displacement Reactions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17937-17941.	7.2	67
136	Spatially Selective Imaging of Mitochondrial MicroRNAs via Optically Programmable Strand Displacement Reactions. <i>Angewandte Chemie</i> , 2021, 133, 18081-18085.	1.6	14
137	Facile Functionalization Strategy for Ultrasensitive Organic Protein Biochips in Multi-Biomarker Determination. <i>Analytical Chemistry</i> , 2021, 93, 11305-11311.	3.2	12
138	Patterning organic semiconductor crystals for optoelectronics. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	7
139	High Mobility Organic Lasing Semiconductor with Crystallization-Enhanced Emission for Light-Emitting Transistors. <i>Angewandte Chemie</i> , 2021, 133, 20436-20441.	1.6	5
140	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.	1.7	8
141	High Mobility Organic Lasing Semiconductor with Crystallization-Enhanced Emission for Light-Emitting Transistors. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20274-20279.	7.2	23
142	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.	1.1	4
143	Organic Light-Emitting Transistors: Organic Light-Emitting Transistors Entering a New Development Stage (Adv. Mater. 31/2021). <i>Advanced Materials</i> , 2021, 33, 2170245.	11.1	0
144	Organic Semiconductor Single Crystals for X-ray Imaging. <i>Advanced Materials</i> , 2021, 33, e2104749.	11.1	43

#	ARTICLE	IF	CITATIONS
145	Special issue dedicated to Professor Daoben Zhu on the occasion of his 80th birthday. <i>SmartMat</i> , 2021, 2, 251-251.	6.4	0
146	Organic Field Effect Transistor-Based Photonic Synapses: Materials, Devices, and Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2106151.	7.8	67
147	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.	25.0	72
148	Photophysical tuning of small-molecule-doped organic crystals with long-persistent luminescence by variation of dopants. <i>Dyes and Pigments</i> , 2021, 193, 109501.	2.0	6
149	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.	1.5	12
150	Application of Triplet-Triplet Annihilation Upconversion in Organic Optoelectronic Devices: Advances and Perspectives. <i>Advanced Materials</i> , 2021, 33, e2100704.	11.1	72
151	Preparation and assessment of reliable organic spin valves. <i>Organic Electronics</i> , 2021, 99, 106311.	1.4	9
152	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.	2.7	8
153	The effect of electron-withdrawing substituents in asymmetric anthracene derivative semiconductors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4217-4222.	2.7	6
154	When graphene meets white graphene – recent advances in the construction of graphene and h-BN heterostructures. <i>Nanoscale</i> , 2021, 13, 13174-13194.	2.8	9
155	In situ observation of organic single micro-crystal fabrication by solvent vapor annealing. <i>Journal of Materials Chemistry C</i> , 2021, 9, 9124-9129.	2.7	5
156	Low-fouling CNT-PEG-hydrogel coated quartz crystal microbalance sensor for saliva glucose detection. <i>RSC Advances</i> , 2021, 11, 22556-22564.	1.7	9
157	Cornerstone of molecular spintronics: Strategies for reliable organic spin valves. <i>Nano Research</i> , 2021, 14, 3653-3668.	5.8	15
158	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.	2.7	1
159	Design of thermally activated delayed fluorescent emitters for organic solid-state microlasers. <i>Journal of Materials Chemistry C</i> , 2021, 9, 7400-7406.	2.7	18
160	Heterochelation boosts sodium storage in π -d conjugated coordination polymers. <i>Energy and Environmental Science</i> , 2021, 14, 6514-6525.	15.6	24
161	Recent Advances in Interface Engineering for Electrocatalytic CO ₂ Reduction Reaction. <i>Nano-Micro Letters</i> , 2021, 13, 216.	14.4	58
162	Amine-Anchored Aromatic Self-Assembled Monolayer Junction: Structure and Electric Transport Properties. <i>Langmuir</i> , 2021, 37, 12223-12233.	1.6	2

#	ARTICLE	IF	CITATIONS
163	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.	6.6	17
164	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.	3.2	8
165	Self-Assembly Graphene Arrays on a Liquid Cu-Ag Alloy. <i>Chemistry of Materials</i> , 2021, 33, 8649-8655.	3.2	6
166	Creating Organic Functional Materials beyond Chemical Bond Synthesis by Organic Cocrystal Engineering. <i>Journal of the American Chemical Society</i> , 2021, 143, 19243-19256.	6.6	84
167	Solution-processed crystalline organic integrated circuits. <i>Matter</i> , 2021, 4, 3415-3443.	5.0	9
168	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.	2.7	30
169	Continuous orientated growth of scaled single-crystal 2D monolayer films. <i>Nanoscale Advances</i> , 2021, 3, 6545-6567.	2.2	3
170	Constructing Cu ₂ O/Bi ₂ MoO ₆ n heterojunction towards boosted photo-assisted-electro-Fenton-like synergy degradation of ciprofloxacin. <i>Environmental Science: Nano</i> , 2021, 8, 3629-3642.	2.2	8
171	Growing two-dimensional single crystals of organic semiconductors on liquid surfaces. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	3
172	Organic Cocrystals: Recent Advances and Perspectives for Electronic and Magnetic Applications. <i>Frontiers in Chemistry</i> , 2021, 9, 764628.	1.8	14
173	Das Aufkommen der organischen Einkristallelektronik. <i>Angewandte Chemie</i> , 2020, 132, 1424-1445.	1.6	14
174	The Emergence of Organic Single-Crystal Electronics. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1408-1428.	7.2	153
175	The analysis of charge transport mechanism in molecular junctions based on current-voltage characteristics. <i>Chemical Physics</i> , 2020, 528, 110514.	0.9	21
176	Recent Progress in Organic Phototransistors: Semiconductor Materials, Device Structures and Optoelectronic Applications. <i>ChemPhotoChem</i> , 2020, 4, 9-38.	1.5	53
177	Two-dimensional organic single-crystalline p-n junctions for ambipolar field transistors. <i>Science China Materials</i> , 2020, 63, 122-127.	3.5	11
178	Two-dimensional conjugated polymers synthesized via on-surface chemistry. <i>Science China Materials</i> , 2020, 63, 172-176.	3.5	9
179	Highly Efficient Charge Transport in a Quasi-Monolayer Semiconductor on Pure Polymer Dielectric. <i>Advanced Functional Materials</i> , 2020, 30, 1907153.	7.8	12
180	2D Semiconducting Metal-Organic Framework Thin Films for Organic Spin Valves. <i>Angewandte Chemie</i> , 2020, 132, 1134-1139.	1.6	30

#	ARTICLE	IF	CITATIONS
181	2D Semiconducting Metal-Organic Framework Thin Films for Organic Spin Valves. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1118-1123.	7.2	172
182	Surface-grafting polymers: from chemistry to organic electronics. <i>Materials Chemistry Frontiers</i> , 2020, 4, 692-714.	3.2	84
183	Persistent organic room temperature phosphorescence: what is the role of molecular dimers?. <i>Chemical Science</i> , 2020, 11, 833-838.	3.7	94
184	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.	1.3	2
185	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.	2.4	25
186	Organic photodiodes and phototransistors toward infrared detection: materials, devices, and applications. <i>Chemical Society Reviews</i> , 2020, 49, 653-670.	18.7	246
187	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.	1.3	53
188	Ultrathin Pd-based nanosheets: syntheses, properties and applications. <i>Nanoscale</i> , 2020, 12, 4219-4237.	2.8	49
189	Application of organic-graphene hybrids in high performance photodetectors. <i>Materials Chemistry Frontiers</i> , 2020, 4, 354-368.	3.2	16
190	Relieving the Photosensitivity of Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2020, 32, e1906122.	11.1	61
191	High-mobility thienothiophene integrating strong emission and high photoresponsivity for multifunctional optoelectronic applications. <i>Organic Electronics</i> , 2020, 87, 105941.	1.4	8
192	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.	2.7	23
193	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.	2.7	9
194	Organic Field-Effect Transistors: Challenges and Emerging Opportunities in High-Mobility and Low-Energy-Consumption Organic Field-Effect Transistors (Adv. Energy Mater. 29/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070126.	10.2	2
195	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.	3.2	7
196	Layered Perovskite (CH ₃ NH ₃) ₂ Pb(SCN) ₂ I ₂ Single Crystals: Phase Transition and Moisture Stability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 37713-37721.	4.0	20
197	High-performance amorphous organic semiconductor-based vertical field-effect transistors and light-emitting transistors. <i>Nanoscale</i> , 2020, 12, 18371-18378.	2.8	23
198	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.	2.7	21

#	ARTICLE	IF	CITATIONS
199	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.	1.5	8
200	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.	2.7	6
201	A Low-Temperature Solution-Process High-k Dielectric for High-Performance Flexible Organic Field-Effect Transistors. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	10
202	Molecular doped organic semiconductor crystals for optoelectronic device applications. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14996-15008.	2.7	25
203	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.	2.7	34
204	Highly efficient modulation of the electronic properties of organic semiconductors by surface doping with 2D molecular crystals. <i>Science China Chemistry</i> , 2020, 63, 973-979.	4.2	3
205	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.	5.3	53
206	One–Pot Domino Carbonylation Protocol for Aromatic Diimides toward n–Type Organic Semiconductors. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14024-14028.	7.2	39
207	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.	3.5	10
208	One–Pot Domino Carbonylation Protocol for Aromatic Diimides toward n–Type Organic Semiconductors. <i>Angewandte Chemie</i> , 2020, 132, 14128-14132.	1.6	7
209	Molecular-scale integrated multi-functions for organic light-emitting transistors. <i>Nano Research</i> , 2020, 13, 1976-1981.	5.8	27
210	Stable Olympicenyl Radicals and Their ĩ–Dimers. <i>Journal of the American Chemical Society</i> , 2020, 142, 11022-11031.	6.6	63
211	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.	2.7	18
212	Challenges and Emerging Opportunities in High–Mobility and Low–Energy–Consumption Organic Field–Effect Transistors. <i>Advanced Energy Materials</i> , 2020, 10, 2000955.	10.2	63
213	Facile and cost-effective liver cancer diagnosis by water-gated organic field-effect transistors. <i>Biosensors and Bioelectronics</i> , 2020, 164, 112251.	5.3	33
214	Self-polarized Poly(vinylidene fluoride) Ultrathin Film and Its Piezo/Ferroelectric Properties. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29818-29825.	4.0	12
215	Organic–Inorganic Hybrid Nanomaterials for Electrocatalytic CO ₂ Reduction. <i>Small</i> , 2020, 16, e2001847.	5.2	79
216	Organic Laser Molecule with High Mobility, High Photoluminescence Quantum Yield, and Deep-Blue Lasing Characteristics. <i>Journal of the American Chemical Society</i> , 2020, 142, 6332-6339.	6.6	90

#	ARTICLE	IF	CITATIONS
217	A donor-acceptor type macrocycle: toward photolyzable self-assembly. <i>Chemical Communications</i> , 2020, 56, 3939-3942.	2.2	5
218	Two-Dimensional Conjugated Polymer Synthesized by Interfacial Suzuki Reaction: Towards Electronic Device Applications. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9403-9407.	7.2	56
219	Solution-Processed Polymeric Thin Film as the Transparent Electrode for Flexible Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 15456-15463.	4.0	16
220	Two-Dimensional Conjugated Polymer Synthesized by Interfacial Suzuki Reaction: Towards Electronic Device Applications. <i>Angewandte Chemie</i> , 2020, 132, 9489-9493.	1.6	12
221	Epitaxial Growth of Nanorod Meshes from Luminescent Organic Cocrystals via Crystal Transformation. <i>Journal of the American Chemical Society</i> , 2020, 142, 7265-7269.	6.6	30
222	Recent Advances in Atomic-Level Engineering of Nanostructured Catalysts for Electrochemical CO ₂ Reduction. <i>Advanced Functional Materials</i> , 2020, 30, 1910534.	7.8	100
223	Rational Control of Charge Transfer Excitons Toward High-Contrast Reversible Mechanoresponsive Luminescent Switching. <i>Angewandte Chemie</i> , 2020, 132, 17733-17739.	1.6	17
224	High-mobility organic single-crystalline transistors with anisotropic transport based on high symmetrical α -shaped heteroarene derivatives. <i>Journal of Materials Chemistry C</i> , 2020, 8, 11477-11484.	2.7	5
225	Rational Control of Charge Transfer Excitons Toward High-Contrast Reversible Mechanoresponsive Luminescent Switching. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17580-17586.	7.2	83
226	Template-Assisted Electrochemical Deposition for Organic and Hybrid Nanowire Electronics. <i>Advanced Optical Materials</i> , 2020, 8, 2000866.	3.6	5
227	Synergistic Resistance Modulation toward Ultrahighly Sensitive Piezoresistive Pressure Sensors. <i>Advanced Materials Technologies</i> , 2020, 5, 1901084.	3.0	29
228	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.	3.2	15
229	Bulk Chiral Halide Perovskite Single Crystals for Active Circular Dichroism and Circularly Polarized Luminescence. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1689-1696.	2.1	98
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.	4.0	50
231	Solution-Processed Centimeter-Scale Highly Aligned Organic Crystalline Arrays for High-Performance Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2020, 32, e1908388.	11.1	99
232	A new fluorescent quinoline derivative toward the acid-responsivity in both solution and solid states. <i>Chinese Chemical Letters</i> , 2020, 31, 2909-2912.	4.8	18
233	Fine-Tuning Intrinsic Strain in Penta-Twinned Pt-Cu-Mn Nanoframes Boosts Oxygen Reduction Catalysis. <i>Advanced Functional Materials</i> , 2020, 30, 1910107.	7.8	108
234	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.	1.9	9

#	ARTICLE	IF	CITATIONS
235	Monolayer Two-dimensional Molecular Crystals for an Ultrasensitive OFET-based Chemical Sensor. <i>Angewandte Chemie</i> , 2020, 132, 4410-4414.	1.6	10
236	Stimuli-responsive behaviors of organic charge transfer cocrystals: recent advances and perspectives. <i>Materials Chemistry Frontiers</i> , 2020, 4, 715-728.	3.2	72
237	Monolayer Two-dimensional Molecular Crystals for an Ultrasensitive OFET-based Chemical Sensor. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4380-4384.	7.2	90
238	Organic Small Molecule Activates Transition Metal Foam for Efficient Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2020, 32, e1906015.	11.1	56
239	Aggregation-Dependent Photoreactive Hemicyanine Assembly as a Photobactericide. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 22552-22559.	4.0	13
240	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.	6.6	28
241	Effect of functional groups on microporous polymer based resistance switching memory devices. <i>Chemical Communications</i> , 2020, 56, 6356-6359.	2.2	12
242	Atomically Thin Catalysts: Recent Advances in Atomic-Level Engineering of Nanostructured Catalysts for Electrochemical CO ₂ Reduction (Adv. Funct. Mater. 17/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070107.	7.8	3
243	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.	2.7	8
244	A Transfer Method for High-Mobility, Bias-Stable, and Flexible Organic Field-Effect Transistors. <i>Advanced Materials Technologies</i> , 2020, 5, 2000169.	3.0	14
245	<i>SmartMat</i> : Smart materials to Smart world. <i>SmartMat</i> , 2020, 1, .	6.4	25
246	Control of molecular packing toward a lateral microresonator for microlaser array. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8531-8537.	2.7	9
247	Synthesis and Property Study of Field-effect Emissive Conjugated Polymers Based on Styrene and Benzothiadiazole. <i>Acta Chimica Sinica</i> , 2020, 78, 945.	0.5	8
248	Materials chemistry research at Tianjin University. <i>Materials Chemistry Frontiers</i> , 2020, 4, 690-691.	3.2	0
249	The Semiconductor/Conductor Interface Piezoresistive Effect in an Organic Transistor for Highly Sensitive Pressure Sensors. <i>Advanced Materials</i> , 2019, 31, e1805630.	11.1	115
250	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.	2.2	18
251	Channel-restricted meniscus self-assembly for uniformly aligned growth of single-crystal arrays of organic semiconductors. <i>Materials Today</i> , 2019, 24, 17-25.	8.3	98
252	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.	7.2	53

#	ARTICLE	IF	CITATIONS
253	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.	5.2	65
254	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.	2.2	27
255	High Efficiency Single Component Organic Light Emitting Transistors. <i>Advanced Materials</i> , 2019, 31, e1903175.	11.1	98
256	A One Dimensional 1D Conjugated Coordination Polymer for Sodium Storage with Catalytic Activity in Negishi Coupling. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14731-14739.	7.2	144
257	Trisulfide Bond Acenes for Organic Batteries. <i>Angewandte Chemie</i> , 2019, 131, 13647-13655.	1.6	7
258	Trisulfide Bond Acenes for Organic Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13513-13521.	7.2	28
259	Cocrystal Engineering: A Collaborative Strategy toward Functional Materials. <i>Advanced Materials</i> , 2019, 31, e1902328.	11.1	245
260	Organic Single-Crystal Spintronics: Magnetoresistance Devices with High Magnetic-Field Sensitivity. <i>ACS Nano</i> , 2019, 13, 9491-9497.	7.3	20
261	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.	2.7	18
262	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.	4.0	24
263	2D Molecular Crystal Bilayer n Junctions: A General Route toward High Performance and Well Balanced Ambipolar Organic Field Effect Transistors. <i>Small</i> , 2019, 15, e1902187.	5.2	29
264	A Phase Separation Molecular Design Strategy Towards Large Area 2D Molecular Crystals. <i>Advanced Materials</i> , 2019, 31, e1901437.	11.1	44
265	Transmission mechanism and quantum interference in fused thienoacenes coupling to Au electrodes through the thiophene rings. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 16293-16301.	1.3	3
266	Crystal Engineering of Organic Optoelectronic Materials. <i>CheM</i> , 2019, 5, 2814-2853.	5.8	175
267	Efficient Perovskite Solar Cells through Suppressed Nonradiative Charge Carrier Recombination by a Processing Additive. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 40163-40171.	4.0	17
268	Organic Light Emitting Transistors: High Efficiency Single Component Organic Light Emitting Transistors (Adv. Mater. 37/2019). <i>Advanced Materials</i> , 2019, 31, 1970266.	11.1	0
269	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.	1.6	6
270	Innenbild: Layer Defining Strategy to Grow Two Dimensional Molecular Crystals on a Liquid Surface down to the Monolayer Limit (Angew. Chem. 45/2019). <i>Angewandte Chemie</i> , 2019, 131, 16479-16479.	1.6	0

#	ARTICLE	IF	CITATIONS
271	Organic Single Crystals: A "Phase Separation" Molecular Design Strategy Towards Large-Area 2D Molecular Crystals (Adv. Mater. 35/2019). Advanced Materials, 2019, 31, 1970251.	11.1	2
272	Enhanced optomechanical properties of mechanochemiluminescent poly(methyl acrylate) composites with granulated fluorescent conjugated microporous polymer fillers. Chemical Science, 2019, 10, 2206-2211.	3.7	32
273	Room-temperature-processed fullerene single-crystalline nanoparticles for high-performance flexible perovskite photovoltaics. Journal of Materials Chemistry A, 2019, 7, 1509-1518.	5.2	25
274	Cyclohexyl-Substituted Anthracene Derivatives for High Thermal Stability Organic Semiconductors. Frontiers in Chemistry, 2019, 7, 11.	1.8	17
275	Mesopolymer synthesis by ligand-modulated direct arylation polycondensation towards n-type and ambipolar conjugated systems. Nature Chemistry, 2019, 11, 271-277.	6.6	115
276	Monolayer organic field-effect transistors. Science China Chemistry, 2019, 62, 313-330.	4.2	54
277	Organic crystalline materials in flexible electronics. Chemical Society Reviews, 2019, 48, 1492-1530.	18.7	314
278	Evaluation of ciprofloxacin destruction between ordered mesoporous and bulk NiMn ₂ O ₄ /CF cathode: efficient mineralization in a heterogeneous electro-Fenton-like process. Environmental Science: Nano, 2019, 6, 661-671.	2.2	25
279	Small-Molecule-Doped Organic Crystals with Long-Persistent Luminescence. Advanced Functional Materials, 2019, 29, 1902503.	7.8	80
280	Airflow Sensors: Extremely Sensitive, Allochromic Airflow Sensors by Synergistic Effect of Reversible Water Molecules Adsorption and Tunable Interlayer Distance in Graphene Oxide Film (Adv. Mater.)	10.9	10
281	Solar Thermal Storage and Room-Temperature Fast Release Using a Uniform Flexible Azobenzene-Grafted Polynorborene Film Enhanced by Stretching. Macromolecules, 2019, 52, 4222-4231.	2.2	34
282	Conjugated polymer crystals via topochemical polymerization. Science China Chemistry, 2019, 62, 1271-1274.	4.2	14
283	Thermal-assisted self-assembly: a self-adaptive strategy towards large-area uniaxial organic single-crystalline microribbon arrays. Nanoscale, 2019, 11, 12781-12787.	2.8	15
284	Carbogenic Nanozyme with Ultrahigh Reactive Nitrogen Species Selectivity for Traumatic Brain Injury. Nano Letters, 2019, 19, 4527-4534.	4.5	126
285	Diphenylene-Tetracyanoquinodimethane Cocrystals as Stable Organic Rectifiers. ChemPlusChem, 2019, 84, 1245-1248.	1.3	5
286	Two-Pathway Viewpoint to Interpret Quantum Interference in Molecules Containing Five-Membered Heterocycles: Thienoacenes as Examples. Journal of Physical Chemistry C, 2019, 123, 15977-15984.	1.5	4
287	A Robust Nonvolatile Resistive Memory Device Based on a Freestanding Ultrathin 2D Imine Polymer Film. Advanced Materials, 2019, 31, e1902264.	11.1	117
288	Thermally Activated Delayed Fluorescence in an Organic Cocrystal: Narrowing the Singlet-Triplet Energy Gap via Charge Transfer. Angewandte Chemie - International Edition, 2019, 58, 11311-11316.	7.2	76

#	ARTICLE	IF	CITATIONS
289	Thermally Activated Delayed Fluorescence in an Organic Cocrystal: Narrowing the Singlet-Triplet Energy Gap via Charge Transfer. <i>Angewandte Chemie</i> , 2019, 131, 11433.	1.6	13
290	Phenanthrene derivatives combined charge transport properties and strong solid-state emission. <i>Science China Chemistry</i> , 2019, 62, 916-920.	4.2	5
291	Efficient perovskite solar cells by hybrid perovskites incorporated with heterovalent neodymium cations. <i>Nano Energy</i> , 2019, 61, 352-360.	8.2	89
292	Scalable Fabrication of Highly Crystalline Organic Semiconductor Thin Film by Channel-Restricted Screen Printing toward the Low-Cost Fabrication of High-Performance Transistor Arrays. <i>Advanced Materials</i> , 2019, 31, e1807975.	11.1	93
293	High-performance optical memory transistors based on a novel organic semiconductor with nanospirals. <i>Nanoscale</i> , 2019, 11, 7117-7122.	2.8	16
294	Extremely Sensitive, Allochromic 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.	1.9	4
295	The odd-even effect of alkyl chain in organic room temperature phosphorescence luminogens and the corresponding <i>in vivo</i> imaging. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1391-1397.	3.2	81
296	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.	2.7	22
297	Recent Progress in Aromatic Polyimide Dielectrics for Organic Electronic Devices and Circuits. <i>Advanced Materials</i> , 2019, 31, e1806070.	11.1	176
298	Construction of Large-Area Ultrathin Conductive Metal-Organic Framework Films through Vapor-Induced Conversion. <i>Small</i> , 2019, 15, e1804845.	5.2	42
299	Vertical Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2019, 29, 1808453.	7.8	64
300	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.	2.7	30
301	Eu-based coordination polymer microrods for low-loss optical waveguiding application. <i>Nanoscale</i> , 2019, 11, 21061-21067.	2.8	5
302	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.	1.3	7
303	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.	6.5	69
304	Band-like transport in small-molecule thin films toward high mobility and ultrahigh detectivity phototransistor arrays. <i>Nature Communications</i> , 2019, 10, 12.	5.8	172
305	Negative transconductance in multi-layer organic thin-film transistors. <i>Nanotechnology</i> , 2019, 30, 02LT01.	1.3	9
306	Fast Deposition of Aligning Edge-On Polymers for High-Mobility Ambipolar Transistors. <i>Advanced Materials</i> , 2019, 31, e1805761.	11.1	70

#	ARTICLE	IF	CITATIONS
307	Organic single-crystal phototransistor with unique wavelength-detection characteristics. <i>Science China Materials</i> , 2019, 62, 729-735.	3.5	18
308	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.	3.5	6
309	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.	11.1	63
310	A new asymmetric anthracene derivative with high mobility. <i>Science China Chemistry</i> , 2019, 62, 251-255.	4.2	12
311	Anisotropic Magnetoresistance in NiFe-Based Polymer Spin Valves. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 11654-11659.	4.0	11
312	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.	2.0	12
313	Tuning Rectification Properties of Molecular Electronic Devices by Mixed Monolayer. <i>Acta Chimica Sinica</i> , 2019, 77, 1031.	0.5	10
314	Amplified Spontaneous Emission Based on 2D Ruddlesden-Popper Perovskites. <i>Advanced Functional Materials</i> , 2018, 28, 1707006.	7.8	129
315	Effective and Selective Catalysts for Cinnamaldehyde Hydrogenation: Hydrophobic Hybrids of Metal-Organic Frameworks, Metal Nanoparticles, and Micro- and Mesoporous Polymers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5708-5713.	7.2	137
316	Low-Voltage Organic Single-Crystal Field-Effect Transistor with Steep Subthreshold Slope. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25871-25877.	4.0	50
317	N-Type 2D Organic Single Crystals for High-Performance Organic Field-Effect Transistors and Near-Infrared Phototransistors. <i>Advanced Materials</i> , 2018, 30, e1706260.	11.1	145
318	Space-Confined Strategy toward Large-Area Two-Dimensional Single Crystals of Molecular Materials. <i>Journal of the American Chemical Society</i> , 2018, 140, 5339-5342.	6.6	132
319	Structure engineering: extending the length of azaacene derivatives through quinone bridges. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3628-3633.	2.7	10
320	Organic Single Crystals: N-Type 2D Organic Single Crystals for High-Performance Organic Field-Effect Transistors and Near-Infrared Phototransistors (Adv. Mater. 16/2018). <i>Advanced Materials</i> , 2018, 30, 1870114.	11.1	5
321	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.	1.6	38
322	Cocrystals Strategy towards Materials for Near-Infrared Photothermal Conversion and Imaging. <i>Angewandte Chemie</i> , 2018, 130, 4027-4031.	1.6	50
323	From Linear to Angular Isomers: Achieving Tunable Charge Transport in Single-Crystal Indolocarbazoles Through Delicate Synergetic CH/NH... Interactions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8875-8880.	7.2	44
324	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.	2.7	37

#	ARTICLE	IF	CITATIONS
325	Efficient Perovskite Solar Cells Fabricated by Co Partially Substituted Hybrid Perovskite. <i>Advanced Energy Materials</i> , 2018, 8, 1703178.	10.2	98
326	Solution-Processable Balanced Ambipolar Field-Effect Transistors Based on Carbonyl-Regulated Copolymers. <i>Chemistry - an Asian Journal</i> , 2018, 13, 846-852.	1.7	2
327	Quinoline-Flanked Diketopyrrolopyrrole Copolymers Breaking through Electron Mobility over $6 \text{ cm}^2 \text{ V}^{-1} \text{ s}^{-1}$ in Flexible Thin Film Devices. <i>Advanced Materials</i> , 2018, 30, 1704843.	11.1	97
328	Cocrystals Strategy towards Materials for Near-Infrared Photothermal Conversion and Imaging. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3963-3967.	7.2	255
329	Microwave-Assisted Regeneration of Single-Walled Carbon Nanotubes from Carbon Fragments. <i>Small</i> , 2018, 14, e1800033.	5.2	21
330	Surface-Confined Dynamic Covalent System Driven by Olefin Metathesis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1869-1873.	7.2	27
331	Organic Optoelectronics: 2D Organic Materials for Optoelectronic Applications (<i>Adv. Mater.</i> 2/2018). <i>Advanced Materials</i> , 2018, 30, 1870012.	11.1	11
332	Hollow Spherical Nanoshell Arrays of 2D Layered Semiconductor for High-Performance Photodetector Device. <i>Advanced Functional Materials</i> , 2018, 28, 1705153.	7.8	50
333	Highly transparent, strong, and flexible fluorographene/fluorinated polyimide nanocomposite films with low dielectric constant. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6378-6384.	2.7	105
334	From Linear to Angular Isomers: Achieving Tunable Charge Transport in Single-Crystal Indolocarbazoles Through Delicate Synergetic CH/NH... π ... π ... π Interactions. <i>Angewandte Chemie</i> , 2018, 130, 9013-9018.	1.6	11
335	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.	4.8	25
336	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.	2.7	27
337	Solvatomechanical Bending of Organic Charge Transfer Cocrystal. <i>Journal of the American Chemical Society</i> , 2018, 140, 6186-6189.	6.6	100
338	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.	3.5	9
339	2D Organic Materials for Optoelectronic Applications. <i>Advanced Materials</i> , 2018, 30, 1702415.	11.1	266
340	Organic semiconductor crystals. <i>Chemical Society Reviews</i> , 2018, 47, 422-500.	18.7	623
341	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.	7.8	69
342	Tuning of the degree of charge transfer and the electronic properties in organic binary compounds by crystal engineering: a perspective. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1884-1902.	2.7	149

#	ARTICLE	IF	CITATIONS
343	Acid-Responsive Conductive Nanofiber of Tetrabenzoporphyrin Made by Solution Processing. <i>Journal of the American Chemical Society</i> , 2018, 140, 62-65.	6.6	24
344	Organic single-crystalline transistors based on Benzo[b]thiophen-Benzo[b]furan analogues with contorted configuration. <i>Organic Electronics</i> , 2018, 53, 57-65.	1.4	10
345	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.	3.2	6
346	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.	2.7	21
347	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.	2.7	15
348	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.	2.7	10
349	Deposition rate related DPA OFET threshold voltage shift and hysteresis variation. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12498-12502.	2.7	6
350	Reliable Spin Valves of Conjugated Polymer Based on Mechanically Transferrable Top Electrodes. <i>ACS Nano</i> , 2018, 12, 12657-12664.	7.3	34
351	Organic field-effect optical waveguides. <i>Nature Communications</i> , 2018, 9, 4790.	5.8	85
352	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.	11.1	6
353	New anthracene derivatives integrating high mobility and strong emission. <i>Journal of Materials Chemistry C</i> , 2018, 6, 13257-13260.	2.7	9
354	Constructing Universal Ionic Sieves via Alignment of Two-Dimensional Covalent Organic Frameworks (COFs). <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16072-16076.	7.2	115
355	A Ferroelectric/Electrochemical Modulated Organic Synapse for Ultraflexible, Artificial Visual-Perception System. <i>Advanced Materials</i> , 2018, 30, e1803961.	11.1	292
356	Electrochemical polymerization for two-dimensional conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10672-10686.	2.7	39
357	Donor-Acceptor Conjugated Polymers Based on Bisindigo: Energy Level Modulation toward Unipolar n-Type Semiconductors. <i>Macromolecules</i> , 2018, 51, 8652-8661.	2.2	36
358	Organic Single-Crystal Vertical Field-Effect Transistors and Phototransistors. <i>Advanced Materials</i> , 2018, 30, e1803655.	11.1	59
359	2,7-Diethylbenzofuro[3,2-b]benzofuran: An Organic Semiconductor with Two-Dimensional Transport Channels. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2228-2232.	1.3	18
360	Fullerene-derivative as interlayer for high performance organic thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6052-6057.	2.7	7

#	ARTICLE	IF	CITATIONS
361	Hole Mobility Modulation in Single-Crystal Metal Phthalocyanines by Changing the Metal- π/π Interactions. <i>Angewandte Chemie</i> , 2018, 130, 10269-10274.	1.6	10
362	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.	1.5	12
363	Presence of Short Intermolecular Contacts Screens for Kinetic Stability in Packing Polymorphs. <i>Journal of the American Chemical Society</i> , 2018, 140, 7519-7525.	6.6	29
364	Separation of Arylenevinylene Macrocycles with a Surface-Confined Two-Dimensional Covalent Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8984-8988.	7.2	46
365	Separation of Arylenevinylene Macrocycles with a Surface-Confined Two-Dimensional Covalent Organic Framework. <i>Angewandte Chemie</i> , 2018, 130, 9122-9126.	1.6	6
366	Free-Standing 2D Hexagonal Aluminum Nitride Dielectric Crystals for High-Performance Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2018, 30, e1801891.	11.1	32
367	Triple Acceptors in a Polymeric Architecture for Balanced Ambipolar Transistors and High-Gain Inverters. <i>Advanced Materials</i> , 2018, 30, e1801951.	11.1	32
368	Organic Semiconductor Single Crystals for Electronics and Photonics. <i>Advanced Materials</i> , 2018, 30, e1801048.	11.1	319
369	Integrating Efficient Optical Gain in High-Mobility Organic Semiconductors for Multifunctional Optoelectronic Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1802454.	7.8	50
370	Bottom-up growth of n-type monolayer molecular crystals on polymeric substrate for optoelectronic device applications. <i>Nature Communications</i> , 2018, 9, 2933.	5.8	118
371	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.	1.4	21
372	Organic Field-Effect Transistor for Energy-Related Applications: Low-Power-Consumption Devices, Near-Infrared Phototransistors, and Organic Thermoelectric Devices. <i>Advanced Energy Materials</i> , 2018, 8, 1801003.	10.2	95
373	Enhanced Visible-Light-Driven Hydrogen Production of Carbon Nitride by Band Structure Tuning. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17261-17267.	1.5	23
374	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.	5.5	38
375	Cyclodextrin functionalized reduced graphene oxide for electrochemical chiral differentiation of tartaric acid. <i>Analytical Methods</i> , 2018, 10, 3660-3665.	1.3	11
376	Layered hybrid perovskite solar cells based on single-crystalline precursor solutions with superior reproducibility. <i>Sustainable Energy and Fuels</i> , 2018, 2, 2237-2243.	2.5	18
377	Click Access to a Cyclodextrin-Based Spatially Confined AIE Material for Hydrogenase Recognition. <i>Sensors</i> , 2018, 18, 1134.	2.1	3
378	InnenrÄ¼cktitelbild: From Linear to Angular Isomers: Achieving Tunable Charge Transport in Single-Crystal Indolocarbazoles Through Delicate Synergetic CH/NH-...-Ä¼...-I Interactions (<i>Angew. Chem.</i>) Tj 11000 OrgBT /Over	11.0	0

#	ARTICLE	IF	CITATIONS
379	Hole Mobility Modulation in Single-Crystal Metal Phthalocyanines by Changing the Metal- π/π Interactions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10112-10117.	7.2	54
380	Molecular cocrystals: design, charge-transfer and optoelectronic functionality. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6009-6023.	1.3	143
381	Organic Field-Effect Transistors: Triple Acceptors in a Polymeric Architecture for Balanced Ambipolar Transistors and High-Gain Inverters (<i>Adv. Mater.</i> 32/2018). <i>Advanced Materials</i> , 2018, 30, 1870241.	11.1	0
382	Fluorescence of Nonaromatic Organic Systems and Room Temperature Phosphorescence of Organic Luminogens: The Intrinsic Principle and Recent Progress. <i>Small</i> , 2018, 14, e1801560.	5.2	204
383	Copolymer dielectrics with balanced chain-packing density and surface polarity for high-performance flexible organic electronics. <i>Nature Communications</i> , 2018, 9, 2339.	5.8	76
384	Two-Dimensional High-Quality Monolayered Triangular WS ₂ Flakes for Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22435-22444.	4.0	77
385	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.	2.0	28
386	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.	2.7	27
387	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.	6.6	79
388	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.	2.7	25
389	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.	2.7	24
390	Field-Effect Devices: Molecular Crystal Engineering: Tuning Organic Semiconductor from p-type to n-type by Adjusting Their Substitutional Symmetry (<i>Adv. Mater.</i> 10/2017). <i>Advanced Materials</i> , 2017, 29, .	11.1	1
391	Few-Layer Graphdiyne Nanosheets Applied for Multiplexed Real-Time DNA Detection. <i>Advanced Materials</i> , 2017, 29, 1606755.	11.1	198
392	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, .	11.1	8
393	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.	4.0	27
394	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.	7.3	31
395	Intermolecular Charge-Transfer Interactions Facilitate Two-Photon Absorption in Styrylpyridine-Tetracyanobenzene Cocrystals. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7831-7835.	7.2	146
396	Inverse Magnetoresistance in Polymer Spin Valves. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15644-15651.	4.0	35

#	ARTICLE	IF	CITATIONS
397	The Origins of the Differences between Alkyne Hydroalkoxylations Catalyzed by δ -Quinolinolato- and Dipyrinato-Ligated Rh ^I Complexes: A DFT Mechanistic Study. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2713-2722.	1.0	7
398	Competitive Coordination Strategy to Finely Tune Pore Environment of Zirconium-Based Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22732-22738.	4.0	36
399	Competition between Arene-Perfluoroarene and Charge-Transfer Interactions in Organic Light-Harvesting Systems. <i>Angewandte Chemie</i> , 2017, 129, 10488-10492.	1.6	104
400	Competition between Arene-Perfluoroarene and Charge-Transfer Interactions in Organic Light-Harvesting Systems. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10352-10356.	7.2	152
401	Intermolecular Charge-Transfer Interactions Facilitate Two-Photon Absorption in Styrylpyridine-Tetracyanobenzene Cocrystals. <i>Angewandte Chemie</i> , 2017, 129, 7939-7943.	1.6	32
402	A Retina-Like Dual Band Organic Photosensor Array for Filter-Free Near-Infrared-to-Memory Operations. <i>Advanced Materials</i> , 2017, 29, 1701772.	11.1	95
403	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.	2.7	12
404	Comparable charge transport property based on S \cdots S interactions with that of π - π stacking in a bis-fused tetrathiafulvalene compound. <i>Science China Chemistry</i> , 2017, 60, 510-515.	4.2	9
405	Ligand effects on electronic and optoelectronic properties of two-dimensional PbS necking percolative superlattices. <i>Nano Research</i> , 2017, 10, 1249-1257.	5.8	16
406	Ternary NiCo ₂ P _x Nanowires as pH-Universal Electrocatalysts for Highly Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2017, 29, 1605502.	11.1	544
407	Construction of Two-Dimensional Chiral Networks through Atomic Bromine on Surfaces. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 326-331.	2.1	33
408	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.	3.5	14
409	Molecular Crystal Engineering: Tuning Organic Semiconductor from p-type to n-type by Adjusting Their Substitutional Symmetry. <i>Advanced Materials</i> , 2017, 29, 1605053.	11.1	64
410	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.	2.7	51
411	Photolysis of polymeric self-assembly controlled by donor-acceptor interaction. <i>Chemical Communications</i> , 2017, 53, 11822-11825.	2.2	19
412	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.	2.2	31
413	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, .	11.1	8
414	Short-Wave Near-Infrared Linear Dichroism of Two-Dimensional Germanium Selenide. <i>Journal of the American Chemical Society</i> , 2017, 139, 14976-14982.	6.6	286

#	ARTICLE	IF	CITATIONS
415	Assembly of Conjugated Nanosystems for Electronic Sensing Devices. <i>Advanced Electronic Materials</i> , 2017, 3, 1700209.	2.6	11
416	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, .	11.1	5
417	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, .	11.1	12
418	Competition between Perfluoroarene and Charge-Transfer Interactions in Organic Light-Harvesting Systems (<i>Angew. Chem.</i> 35/2017). <i>Angewandte Chemie</i> , 2017, 129, 10383-10383.	1.6	0
419	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>Advanced Materials</i> , 2017, 29, 1700550.	11.1	122
420	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.	11.1	46
421	Capillary-Bridge Mediated Assembly of Conjugated Polymer Arrays toward Organic Photodetectors. <i>Advanced Functional Materials</i> , 2017, 27, 1701347.	7.8	53
422	Enhanced stability of a rubrene analogue with a brickwork packing motif. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8376-8379.	2.7	4
423	Approaching Intra- and Interchain Charge Transport of Conjugated Polymers Facilely by Topochemical Polymerized Single Crystals. <i>Advanced Materials</i> , 2017, 29, 1701251.	11.1	107
424	Versatile asymmetric thiophene/benzothiophene flanked diketopyrrolopyrrole polymers with ambipolar properties for OFETs and OSCs. <i>Polymer Chemistry</i> , 2017, 8, 5603-5610.	1.9	33
425	Sensors: Assembly of Conjugated Nanosystems for Electronic Sensing Devices (<i>Adv. Electron. Mater.</i>)	1.1	0
426	Aromatic Extension at 2,6-Positions of Anthracene toward an Elegant Strategy for Organic Semiconductors with Efficient Charge Transport and Strong Solid State Emission. <i>Journal of the American Chemical Society</i> , 2017, 139, 17261-17264.	6.6	158
427	Design and effective synthesis methods for high-performance polymer semiconductors in organic field-effect transistors. <i>Materials Chemistry Frontiers</i> , 2017, 1, 2423-2456.	3.2	106
428	Halogen bonded cocrystal polymorphs of 1,4-di(4-pyridyl)-1,3-diacetylene. <i>CrystEngComm</i> , 2017, 19, 4505-4509.	1.3	15
429	Tuning the donors to control the lifetimes of charge-separated states in triazine-based donor-acceptor systems. <i>Dyes and Pigments</i> , 2017, 136, 404-415.	2.0	19
430	Dually Ordered Porous TiO ₂ -rGO Composites with Controllable Light Absorption Properties for Efficient Solar Energy Conversion. <i>Advanced Materials</i> , 2017, 29, 1604795.	11.1	66
431	Solution-Processed Flexible Organic Ferroelectric Phototransistor. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43880-43885.	4.0	25
432	Novel Air Stable Organic Radical Semiconductor of Dimers of Dithienothiophene, Single Crystals, and Field-Effect Transistors. <i>Advanced Materials</i> , 2016, 28, 7466-7471.	11.1	39

#	ARTICLE	IF	CITATIONS
433	A General Method for Growing Two-Dimensional Crystals of Organic Semiconductors by Solution Epitaxy. <i>Angewandte Chemie</i> , 2016, 128, 9671-9675.	1.6	28
434	Three-Component Integrated Ultrathin Organic Photosensors for Plastic Optoelectronics. <i>Advanced Materials</i> , 2016, 28, 624-630.	11.1	48
435	Deepening Insights of Charge Transfer and Photophysics in a Novel Donor-Acceptor Cocrystal for Waveguide Couplers and Photonic Logic Computation. <i>Advanced Materials</i> , 2016, 28, 5954-5962.	11.1	105
436	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.	11.1	2
437	Asymmetric Diketopyrrolopyrrole Conjugated Polymers for Field-Effect Transistors and Polymer Solar Cells Processed from a Nonchlorinated Solvent. <i>Advanced Materials</i> , 2016, 28, 943-950.	11.1	155
438	Perovskite Photodetectors based on $\text{CH}_3\text{NH}_3\text{PbI}_3$ Single Crystals. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2675-2679.	1.7	30
439	Unveiling the Switching Riddle of Silver Tetracyanoquinodimethane Towards Novel Planar Single-Crystalline Electrochemical Metallization Memories. <i>Advanced Materials</i> , 2016, 28, 7094-7100.	11.1	17
440	A General Method for Growing Two-Dimensional Crystals of Organic Semiconductors by Solution Epitaxy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9519-9523.	7.2	153
441	Organic Light-Emitting Transistors: Materials, Device Configurations, and Operations. <i>Small</i> , 2016, 12, 1252-1294.	5.2	171
442	Titelbild: A General Method for Growing Two-Dimensional Crystals of Organic Semiconductors by Solution Epitaxy. (<i>Angew. Chem.</i> 33/2016). <i>Angewandte Chemie</i> , 2016, 128, 9593-9593.	1.6	0
443	Charge Transport in Organic and Polymeric Semiconductors for Flexible and Stretchable Devices. <i>Advanced Materials</i> , 2016, 28, 4513-4523.	11.1	185
444	Electron Mobility Exceeding $10\text{ cm}^2\text{ V}^{-1}\text{ s}^{-1}$ and Band-Like Charge Transport in Solution-Processed n-Channel Organic Thin-Film Transistors. <i>Advanced Materials</i> , 2016, 28, 5276-5283.	11.1	173
445	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.	1.6	7
446	Organic Light-Emitting Transistors: Organic Light-Emitting Transistors: Materials, Device Configurations, and Operations (<i>Small</i> 10/2016). <i>Small</i> , 2016, 12, 1392-1392.	5.2	5
447	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.	1.5	28
448	Efficient ambipolar transport properties in alternate stacking donor-acceptor complexes: from experiment to theory. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14094-14103.	1.3	81
449	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.	1.7	1
450	Effect of Fluorination on Molecular Orientation of Conjugated Polymers in High Performance Field-Effect Transistors. <i>Macromolecules</i> , 2016, 49, 6431-6438.	2.2	71

#	ARTICLE	IF	CITATIONS
451	Recent advances in one-dimensional organic p-n heterojunctions for optoelectronic device applications. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9388-9398.	2.7	41
452	2D Materials: 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 (Adv.) <i>Tj ETQq 0.0 0 rgBT/Overlock</i>	11.0	100
453	Uncovering the Intramolecular Emission and Tuning the Nonlinear Optical Properties of Organic Materials by Cocrystallization. <i>Angewandte Chemie</i> , 2016, 128, 14229-14233.	1.6	29
454	Vertical 2D $\text{MoO}_2/\text{MoSe}_2$ Core-Shell Nanosheet Arrays as High-Performance Electrocatalysts for Hydrogen Evolution Reaction. <i>Advanced Functional Materials</i> , 2016, 26, 8537-8544.	7.8	167
455	Metal-organic frameworks as selectivity regulators for hydrogenation reactions. <i>Nature</i> , 2016, 539, 76-80.	13.7	1,201
456	Uncovering the Intramolecular Emission and Tuning the Nonlinear Optical Properties of Organic Materials by Cocrystallization. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14023-14027.	7.2	103
457	Top-Pinning Controlled Dewetting for Fabrication of Large-Scaled Polymer Microwires and Applications in OFETs. <i>Advanced Electronic Materials</i> , 2016, 2, 1600111.	2.6	12
458	Organic cocrystals: the development of ferroelectric properties. <i>Science China Materials</i> , 2016, 59, 523-530.	3.5	35
459	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.	2.2	76
460	β -Cyclodextrin modified graphitic carbon nitride for the removal of pollutants from aqueous solution: experimental and theoretical calculation study. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14170-14179.	5.2	191
461	Kilohertz organic complementary inverters driven by surface-grafting conducting polypyrrole electrodes. <i>Solid-State Electronics</i> , 2016, 123, 51-57.	0.8	6
462	Organic Cocrystals: New Strategy for Molecular Collaborative Innovation. <i>Topics in Current Chemistry</i> , 2016, 374, 83.	3.0	52
463	Mass Production of Nanogap Electrodes toward Robust Resistive Random Access Memory. <i>Advanced Materials</i> , 2016, 28, 8227-8233.	11.1	20
464	Vertical Single-Crystalline Organic Nanowires on Graphene: Solution-Phase Epitaxy and Optical Microcavities. <i>Nano Letters</i> , 2016, 16, 4754-4762.	4.5	24
465	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.	11.1	57
466	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.	2.8	55
467	Construction of Ag/AgCl nanostructures from Ag nanoparticles as high-performance visible-light photocatalysts. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	4
468	Multilevel Investigation of Charge Transport in Conjugated Polymers. <i>Accounts of Chemical Research</i> , 2016, 49, 2435-2443.	7.6	81

#	ARTICLE	IF	CITATIONS
469	Enhancing Photoinduced Charge Separation through Donor Moiety in Donor-Acceptor Organic Semiconductors. <i>Journal of Physical Chemistry C</i> , 2016, 120, 25263-25275.	1.5	24
470	Spiro-OMeTAD single crystals: Remarkably enhanced charge-carrier transport via mesoscale ordering. <i>Science Advances</i> , 2016, 2, e1501491.	4.7	122
471	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.	4.2	5
472	High Hole Mobility in Long-Range Ordered 2D Lead Sulfide Nanocrystal Monolayer Films. <i>Advanced Functional Materials</i> , 2016, 26, 5182-5188.	7.8	25
473	Gibbs-Curie-Wulff Theorem in Organic Materials: A Case Study on the Relationship between Surface Energy and Crystal Growth. <i>Advanced Materials</i> , 2016, 28, 1697-1702.	11.1	88
474	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.	7.2	51
475	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.	1.6	48
476	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.	2.7	25
477	Plasmonic materials for flexible near-infrared photovoltaic devices. <i>Science China Materials</i> , 2016, 59, 410-411.	3.5	2
478	2D Mica Crystal as Electret in Organic Field-Effect Transistors for Multistate Memory. <i>Advanced Materials</i> , 2016, 28, 3755-3760.	11.1	62
479	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.	2.6	42
480	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.	2.6	14
481	3D Self-Supporting Porous Magnetic Assemblies for Water Remediation and Beyond. <i>Advanced Energy Materials</i> , 2016, 6, 1600473.	10.2	37
482	Experimental and theoretical studies on competitive adsorption of aromatic compounds on reduced graphene oxides. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5654-5662.	5.2	185
483	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.	4.0	9
484	Pyridyl-substituted anthracene derivatives with solid-state emission and charge transport properties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3621-3627.	2.7	28
485	Conjugated polymer with ternary electron-deficient units for ambipolar nanowire field-effect transistors. <i>Journal of Polymer Science Part A</i> , 2016, 54, 34-38.	2.5	19
486	Side-chain engineering of green color electrochromic polymer materials: toward adaptive camouflage application. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2269-2273.	2.7	155

#	ARTICLE	IF	CITATIONS
487	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.	6.6	65
488	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.	2.2	21
489	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.	5.8	31
490	Poly(pentacyclic lactam-alt-diketopyrrolopyrrole) for field-effect transistors and polymer solar cells processed from non-chlorinated solvents. <i>Polymer Chemistry</i> , 2016, 7, 164-170.	1.9	18
491	Topochemical polymerization of diacetylenes. <i>Chinese Science Bulletin</i> , 2016, 61, 2688-2706.	0.4	8
492	Molecular Electronics: Nanogap Electrodes towards Solid State Single-Molecule Transistors (Small) Tj ETQq 0 0 0 rgBT /Overlock 10 Tf	8.2	2
493	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.	1.6	36
494	Porphyrin Supramolecular 1D Structures via Surfactant-Assisted Self-Assembly. <i>Advanced Materials</i> , 2015, 27, 5379-5387.	11.1	106
495	High Performance Polymer Nanowire Field-Effect Transistors with Distinct Molecular Orientations. <i>Advanced Materials</i> , 2015, 27, 4963-4968.	11.1	79
496	Diaceno[1,2:4,5]pentalenes: An Excellent Molecular Platform for High-Performance Organic Semiconductors. <i>Chemistry - A European Journal</i> , 2015, 21, 17016-17022.	1.7	48
497	Nanogap Electrodes towards Solid State Single-Molecule Transistors. <i>Small</i> , 2015, 11, 6115-6141.	5.2	47
498	Molecular Heterojunctions of Oligo(phenylene ethynylene)s with Linear to Cruciform Framework. <i>Advanced Functional Materials</i> , 2015, 25, 1700-1708.	7.8	29
499	High-Performance UV-Sensitive Organic Phototransistors Based on Benzo[1,2:4,5]dithiophene Dimers Linked with Unsaturated Bonds. <i>Advanced Electronic Materials</i> , 2015, 1, 1500071.	2.6	31
500	Pyridine-bridged diketopyrrolopyrrole conjugated polymers for field-effect transistors and polymer solar cells. <i>Polymer Chemistry</i> , 2015, 6, 4775-4783.	1.9	34
501	High-performance organic field-effect transistors based on single-crystalline microribbons of a two-dimensional fused heteroarene semiconductor. <i>Chemical Communications</i> , 2015, 51, 11961-11963.	2.2	18
502	Thin film field-effect transistors of 2,6-diphenyl anthracene (DPA). <i>Chemical Communications</i> , 2015, 51, 11777-11779.	2.2	107
503	Thermal induced single grain boundary break junction for suspended nanogap electrodes. <i>Science China Materials</i> , 2015, 58, 769-774.	3.5	4
504	Challenges of organic "cococrystals". <i>Science China Materials</i> , 2015, 58, 854-859.	3.5	39

#	ARTICLE	IF	CITATIONS
505	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.	4.2	2
506	Precisely Tailoring the Stoichiometric Stacking of Peryleneâ€TCNQ Coâ€Crystals towards Different Nano and Microstructures with Varied Optoelectronic Performances. <i>Small</i> , 2015, 11, 2150-2156.	5.2	79
507	Organic field-effect transistor-based gas sensors. <i>Chemical Society Reviews</i> , 2015, 44, 2087-2107.	18.7	373
508	Solutionâ€Processed Largeâ€Area Nanocrystal Arrays of Metalâ€Organic Frameworks as Wearable, Ultrasensitive, Electronic Skin for Health Monitoring. <i>Small</i> , 2015, 11, 3351-3356.	5.2	75
509	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.	2.8	61
510	Individual single-crystal nanowires as electrodes for organic single-crystal nanodevices. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9534-9539.	2.7	4
511	Rational Design of Charge-Transfer Interactions in Halogen-Bonded Co-crystals toward Versatile Solid-State Optoelectronics. <i>Journal of the American Chemical Society</i> , 2015, 137, 11038-11046.	6.6	246
512	Conjugated polymers with deep LUMO levels for field-effect transistors and polymerâ€polymer solar cells. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8255-8261.	2.7	23
513	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.	2.7	35
514	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.	2.7	14
515	Single Grain Boundary Break Junction for Suspended Nanogap Electrodes with Gapwidth Down to 1â€2 nm by Focused Ion Beam Milling. <i>Advanced Materials</i> , 2015, 27, 3002-3006.	11.1	59
516	Revealing the Chargeâ€Transfer Interactions in Selfâ€Assembled Organic Cocrystals: Twoâ€Dimensional Photonic Applications. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6785-6789.	7.2	198
517	Nanogap Electrodes: Single Grain Boundary Break Junction for Suspended Nanogap Electrodes with Gapwidth Down to 1â€2 nm by Focused Ion Beam Milling (<i>Adv. Mater.</i> 19/2015). <i>Advanced Materials</i> , 2015, 27, 3095-3095.	11.1	4
518	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.	5.2	63
519	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.	1.7	8
520	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.	4.0	38
521	A high energy density azobenzene/graphene hybrid: a nano-templated platform for solar thermal storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11787-11795.	5.2	89
522	Green light-emitting diode from bromine based organic-inorganic halide perovskite. <i>Science China Materials</i> , 2015, 58, 186-191.	3.5	58

#	ARTICLE	IF	CITATIONS
523	Naphthyl substituted anthracene combining charge transport with light emission. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10695-10698.	2.7	28
524	Reversible Tuning of Interfacial and Intramolecular Charge Transfer in Individual MnPc Molecules. <i>Nano Letters</i> , 2015, 15, 8091-8098.	4.5	12
525	Synthesis and application of benzooxadiazole-based conjugated polymers in high performance phototransistors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 12083-12089.	2.7	5
526	Touching polymer chains by organic field-effect transistors. <i>Scientific Reports</i> , 2015, 4, 6387.	1.6	5
527	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.	1.7	6
528	Role of redox centre in charge transport investigated by novel self-assembled conjugated polymer molecular junctions. <i>Nature Communications</i> , 2015, 6, 7478.	5.8	43
529	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.	1.9	7
530	High mobility emissive organic semiconductor. <i>Nature Communications</i> , 2015, 6, 10032.	5.8	420
531	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.	1.7	11
532	Synthesis, characterization and field-effect transistor performance of a benzoannulated pentathienoacene derivative. <i>New Journal of Chemistry</i> , 2015, 39, 1045-1050.	1.4	3
533	Tuning the Crystal Polymorphs of Alkyl Thienoacene via Solution Self-Assembly Toward Air-Stable and High-Performance Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2015, 27, 825-830.	11.1	106
534	Competitive Adsorption of Pb ^{II} , Ni ^{II} , and Sr ^{II} Ions on Graphene Oxides: A Combined Experimental and Theoretical Study. <i>ChemPlusChem</i> , 2015, 80, 480-484.	1.3	97
535	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.	1.2	36
536	High-mobility polymeric semiconductors. <i>Chinese Science Bulletin</i> , 2015, 60, 2169-2187.	0.4	9
537	Enhancement of thermoelectric performance in InAs nanotubes by tuning quantum confinement effect. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	17
538	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.	2.7	25
539	Transistors: Inkjet Printing Short-Channel Polymer Transistors with High-Performance and Ultrahigh Photoresponsivity (<i>Adv. Mater.</i> 27/2014). <i>Advanced Materials</i> , 2014, 26, 4752-4752.	11.1	1
540	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.	2.7	12

#	ARTICLE	IF	CITATIONS
541	π-Conjugated Molecules Crosslinked Graphene-Based Ultrathin Films and Their Tunable Performances in Organic Nanoelectronics. <i>Advanced Functional Materials</i> , 2014, 24, 543-554.	7.8	26
542	Self-Aligned Single-Crystal Graphene Grains. <i>Advanced Functional Materials</i> , 2014, 24, 1664-1670.	7.8	47
543	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.	7.8	29
544	Near-Equilibrium Chemical Vapor Deposition of High-Quality Single-Crystal Graphene Directly on Various Dielectric Substrates. <i>Advanced Materials</i> , 2014, 26, 1348-1353.	11.1	132
545	Graphene: Near-Equilibrium Chemical Vapor Deposition of High-Quality Single-Crystal Graphene Directly on Various Dielectric Substrates (Adv. Mater. 9/2014). <i>Advanced Materials</i> , 2014, 26, 1471-1471.	11.1	1
546	Rubrene analogues with the aggregation-induced emission enhancement behaviour. <i>Journal of Materials Chemistry C</i> , 2014, 2, 884-890.	2.7	22
547	Easily solution-processed, high-performance microribbon transistors based on a 2D condensed benzothiophene derivative. <i>Chemical Communications</i> , 2014, 50, 442-444.	2.2	38
548	Solution-processed high-performance flexible 9, 10-bis(phenylethynyl)anthracene organic single-crystal transistor and ring oscillator. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	28
549	Graphene: Layer Stacking Growth and Electrical Transport of Hierarchical Graphene Architectures (Adv. Mater. 20/2014). <i>Advanced Materials</i> , 2014, 26, 3355-3355.	11.1	0
550	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.	2.2	22
551	Solution-sheared ultrathin films for highly-sensitive ammonia detection using organic thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1264.	2.7	60
552	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.	2.7	28
553	High performance n-type and ambipolar small organic semiconductors for organic thin film transistors. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 22448-22457.	1.3	178
554	5,6-Difluorobenzothiadiazole and silafluorene based conjugated polymers for organic photovoltaic cells. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5116-5123.	2.7	27
555	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.	5.2	48
556	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.	2.7	10
557	Porphyrim Nanoassemblies via Surfactant-Assisted Assembly and Single Nanofiber Nanoelectronic Sensors for High-Performance H ₂ O ₂ Vapor Sensing. <i>ACS Nano</i> , 2014, 8, 3402-3411.	7.3	82
558	Synthesis and aggregation-induced emissions of thienyl substituted cyclobutene derivatives. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5083-5086.	2.7	11

#	ARTICLE	IF	CITATIONS
559	Inkjet Printing Short-Channel Polymer Transistors with High-Performance and Ultrahigh Photoresponsivity. <i>Advanced Materials</i> , 2014, 26, 4683-4689.	11.1	82
560	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.	2.7	29
561	Charge-Transfer Complex Crystal Based on Extended- π -Conjugated Acceptor and Sulfur-Bridged Annulene: Charge-Transfer Interaction and Remarkable High Ambipolar Transport Characteristics. <i>Advanced Materials</i> , 2014, 26, 4093-4099.	11.1	132
562	Organic Electronics: "Regioselective Deposition" Method to Pattern Silver Electrodes Facilely and Efficiently with High Resolution: Towards All-Solution-Processed, High-Performance,		

#	ARTICLE	IF	CITATIONS
577	Atomically Flat, Large-Sized, Two-Dimensional Organic Nanocrystals. <i>Small</i> , 2013, 9, 990-995.	5.2	51
578	Glossary of the book. , 2013, , 487-495.		0
579	Low-Temperature, Bottom-Up Synthesis of Graphene via a Radical-Coupling Reaction. <i>Journal of the American Chemical Society</i> , 2013, 135, 9050-9054.	6.6	63
580	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.	7.8	56
581	Highly active MnO ₂ nanosheet synthesis from graphene oxide templates and their application in efficient oxidative degradation of methylene blue. <i>RSC Advances</i> , 2013, 3, 12909.	1.7	89
582	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.	2.7	42
583	High Performance Nanocrystals of a Donor-Acceptor Conjugated Polymer. <i>Chemistry of Materials</i> , 2013, 25, 2649-2655.	3.2	64
584	High Performance Photoswitches Based on Flexible and Amorphous D-A Polymer Nanowires. <i>Small</i> , 2013, 9, 294-299.	5.2	25
585	Organic Nanocrystals: Atomically Flat, Large-Sized, Two-Dimensional Organic Nanocrystals (Small) Tj ETQq1 1 0,784314 rgBT /Ove	5.2	3
586	Visible-Light Photocatalytic Degradation of Methylene Blue Using SnO ₂ /Fe ₂ O ₃ Hierarchical Nanoheterostructures. <i>ChemPlusChem</i> , 2013, 78, 192-199.	1.3	69
587	Substrate-Free Ultra-Flexible Organic Field-Effect Transistors and Five-Stage Ring Oscillators. <i>Advanced Materials</i> , 2013, 25, 5455-5460.	11.1	106
588	Single crystal field-effect transistors containing a pentacene analogue and their application in ethanol vapor detection. <i>Applied Physics Letters</i> , 2012, 101, 103302.	1.5	26
589	Growth of large-size-two-dimensional crystalline pentacene grains for high performance organic thin film transistors. <i>AIP Advances</i> , 2012, 2, 022138.	0.6	6
590	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
591	High performance n-type single crystalline transistors of naphthalene bis(dicarboximide) and their anisotropic transport in crystals. <i>Chemical Communications</i> , 2012, 48, 5154.	2.2	38
592	Synthesis of a Conjugated Polymer with Broad Absorption and Its Application in High-Performance Phototransistors. <i>Macromolecules</i> , 2012, 45, 1296-1302.	2.2	86
593	A conjugated polymer based on 5,5'-bibenzo[c][1,2,5]thiadiazole for high-performance solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 3432.	6.7	19
594	Interface engineering for high-performance organic field-effect transistors. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14165.	1.3	85

#	ARTICLE	IF	CITATIONS
595	Photovoltaic effect of individual polymer nanotube. Applied Physics Letters, 2012, 100, 173902.	1.5	6
596	Solvent-vapor induced self-assembly of a conjugated polymer: A correlation between solvent nature and transistor performance. Organic Electronics, 2012, 13, 2372-2378.	1.4	23
597	Themed issue on "organic optoelectronic materials". Journal of Materials Chemistry, 2012, 22, 4134-4135.	6.7	10
598	Synthesizing MnO ₂ nanosheets from graphene oxide templates for high performance pseudosupercapacitors. Chemical Science, 2012, 3, 433-437.	3.7	194
599	Mass-Production of Single-Crystalline Device Arrays of an Organic Charge-Transfer Complex for its Memory Nature. Small, 2012, 8, 557-560.	5.2	28
600	Device Arrays: Mass-Production of Single-Crystalline Device Arrays of an Organic Charge-Transfer Complex for its Memory Nature (Small 4/2012). Small, 2012, 8, 478-478.	5.2	1
601	Semiconducting π -Conjugated Systems in Field-Effect Transistors: A Material Odyssey of Organic Electronics. Chemical Reviews, 2012, 112, 2208-2267.	23.0	3,164
602	Organic photoresponse materials and devices. Chemical Society Reviews, 2012, 41, 1754-1808.	18.7	570
603	High-Performance and Stable Organic Transistors and Circuits with Patterned Polypyrrole Electrodes. Advanced Materials, 2012, 24, 2159-2164.	11.1	50
604	Coaxial Organic π -n Heterojunction Nanowire Arrays: One-Step Synthesis and Photoelectric Properties. Advanced Materials, 2012, 24, 2332-2336.	11.1	88
605	High Mobility, Air Stable, Organic Single Crystal Transistors of an n-Type Diperylene Bisimide. Advanced Materials, 2012, 24, 2626-2630.	11.1	199
606	Sulfur-Bridged Annulene-CNQ Co-Crystal: A Self-Assembled π - π Molecular Level Heterojunction with Air Stable Ambipolar Charge Transport Behavior. Advanced Materials, 2012, 24, 2603-2607.	11.1	207
607	Anisotropic Photoresponse Properties of Single Micrometer-Sized GeSe Nanosheet. Advanced Materials, 2012, 24, 4528-4533.	11.1	229
608	Plasma Synthesis of Surface-Functionalized Graphene-Based Platinum Nanoparticles: Highly Active Electrocatalysts as Electrodes for Direct Methanol Fuel Cells. ChemPlusChem, 2012, 77, 432-436.	1.3	30
609	Uniform hexagonal graphene flakes and films grown on liquid copper surface. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7992-7996.	3.3	417
610	Single crystal n-channel field effect transistors from solution-processed silylethynylated tetraazapentacene. Journal of Materials Chemistry, 2011, 21, 15201.	6.7	48
611	Morphology control for high performance organic thin film transistors. Chemical Science, 2011, 2, 590-600.	3.7	108
612	Physicochemical, self-assembly and field-effect transistor properties of anti- and syn- thienoacene isomers. Journal of Materials Chemistry, 2011, 21, 11335.	6.7	18

#	ARTICLE	IF	CITATIONS
613	Nonvolatile memory effect of a functional polyimide containing ferrocene as the electroactive moiety. <i>Applied Physics Letters</i> , 2011, 98, 203302.	1.5	39
614	Controlled growth and assembly of one-dimensional ordered nanostructures of organic functional materials. <i>Soft Matter</i> , 2011, 7, 1615-1630.	1.2	50
615	Solution-Processed, High-Performance Nanoribbon Transistors Based on Dithiopyrene. <i>Journal of the American Chemical Society</i> , 2011, 133, 1-3.	6.6	255
616	Recent progress of high performance organic thin film field-effect transistors. <i>Journal of Materials Chemistry</i> , 2011, 21, 11708.	6.7	67
617	9-Alkylidene-9 <i>H</i> -Fluorene-Containing Polymer for High-Efficiency Polymer Solar Cells. <i>Macromolecules</i> , 2011, 44, 7617-7624.	2.2	99
618	A Copolymer of Benzodithiophene with TIPS Side Chains for Enhanced Photovoltaic Performance. <i>Macromolecules</i> , 2011, 44, 9173-9179.	2.2	61
619	New X-shaped oligothiophenes for solution-processed solar cells. <i>Journal of Materials Chemistry</i> , 2011, 21, 9667.	6.7	43
620	Organic single crystalline micro- and nanowires field-effect transistors of a tetrathiafulvalene (TTF) derivative with strong π - π^* orbits and $S\cdots S$ interactions. <i>Synthetic Metals</i> , 2011, 161, 136-142.	2.1	12
621	Experimental Techniques for the Fabrication and Characterization of Organic Thin Films for Field-Effect Transistors. <i>Chemical Reviews</i> , 2011, 111, 3358-3406.	23.0	241
622	Synthesis of large-area, few-layer graphene on iron foil by chemical vapor deposition. <i>Nano Research</i> , 2011, 4, 1208-1214.	5.8	120
623	A new pseudo rubrene analogue with excellent film forming ability. <i>Science China Chemistry</i> , 2011, 54, 631-635.	4.2	4
624	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.	2.5	25
625	Organic Nanowire Crystals Combine Excellent Device Performance and Mechanical Flexibility. <i>Small</i> , 2011, 7, 189-193.	5.2	51
626	Organic Nanowires: Organic Nanowire Crystals Combine Excellent Device Performance and Mechanical Flexibility (<i>Small</i> 2/2011). <i>Small</i> , 2011, 7, 162-162.	5.2	1
627	Inkjet-Printed Organic Electrodes for Bottom-Contact Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2011, 21, 786-791.	7.8	29
628	Millimeter-Sized Molecular Monolayer Two-Dimensional Crystals. <i>Advanced Materials</i> , 2011, 23, 2059-2063.	11.1	198
629	All-Solution-Processed, High-Performance n-Channel Organic Transistors and Circuits: Toward Low-Cost Ambient Electronics. <i>Advanced Materials</i> , 2011, 23, 2448-2453.	11.1	172
630	High-Performance Organic Single-Crystal Field-Effect Transistors of Indolo[3,2 <i>b</i>]carbazole and Their Potential Applications in Gas Controlled Organic Memory Devices. <i>Advanced Materials</i> , 2011, 23, 5075-5080.	11.1	78

#	ARTICLE	IF	CITATIONS
631	Mica, a Potential Two-Dimensional Crystal Gate Insulator for Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2011, 23, 5502-5507.	11.1	92
632	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.	11.1	3
633	Controlling Molecular Packing for Charge Transport in Organic Thin Films. <i>Advanced Energy Materials</i> , 2011, 1, 188-193.	10.2	36
634	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, .	1.5	50
635	Organic single crystal field-effect transistors: advances and perspectives. <i>Journal of Materials Chemistry</i> , 2010, 20, 4994.	6.7	154
636	Organic single crystals or crystalline micro/nanostructures: Preparation and field-effect transistor applications. <i>Science China Chemistry</i> , 2010, 53, 1225-1234.	4.2	6
637	High-Performance Phototransistors Based on Organic Microribbons Prepared by a Solution Self-Assembly Process. <i>Advanced Functional Materials</i> , 2010, 20, 1019-1024.	7.8	119
638	Water Strider-Legs with a Self-Assembled Coating of Single-Crystalline Nanowires of an Organic Semiconductor. <i>Advanced Materials</i> , 2010, 22, 376-379.	11.1	65
639	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.	11.1	56
640	Electric Current Induced Reduction of Graphene Oxide and Its Application as Gap Electrodes in Organic Photoswitching Devices. <i>Advanced Materials</i> , 2010, 22, 5008-5012.	11.1	88
641	Graphene and graphene oxide nanogap electrodes fabricated by atomic force microscopy nanolithography. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	67
642	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
643	High performance organic semiconductors for field-effect transistors. <i>Chemical Communications</i> , 2010, 46, 5211.	2.2	313
644	Polymer Brush and Inorganic Oxide Hybrid Nanodielectrics for High Performance Organic Transistors. <i>Journal of Physical Chemistry B</i> , 2010, 114, 5315-5319.	1.2	36
645	Dibenzothiophene Derivatives: From Herringbone to Lamellar Packing Motif. <i>Crystal Growth and Design</i> , 2010, 10, 4155-4160.	1.4	84
646	Assembled Organic/Inorganic p-n Junction Interface and Photovoltaic Cell on a Single Nanowire. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 327-330.	2.1	134
647	Solution-Based Fabrication of Single-Crystalline Arrays of Organic Nanowires. <i>Langmuir</i> , 2010, 26, 1130-1136.	1.6	50
648	Micro- and Nanocrystals of Organic Semiconductors. <i>Accounts of Chemical Research</i> , 2010, 43, 529-540.	7.6	370

#	ARTICLE	IF	CITATIONS
649	Synthesis, self-assembly, and solution-processed nanoribbon field-effect transistor of a fused-nine-ring thienoacene. <i>Chemical Communications</i> , 2010, 46, 2841.	2.2	35
650	Tuning intermolecular non-covalent interactions for nanowires of organic semiconductors. <i>Nanoscale</i> , 2010, 2, 2652.	2.8	24
651	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
652	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
653	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
654	Organic Single-Crystalline p-n Junction Nanoribbons. <i>Journal of the American Chemical Society</i> , 2010, 132, 11580-11584.	6.6	208
655	Development of organic field-effect properties by introducing aryl-acetylene into benzodithiophene. <i>Journal of Materials Chemistry</i> , 2010, 20, 10931.	6.7	26
656	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
657	Hybrid bipolar transistors and inverters of nanoribbon crystals. <i>Applied Physics Letters</i> , 2009, 94, 203304.	1.5	15
658	Langmuir-Blogett monolayer transistors of copper phthalocyanine. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	24
659	Single crystalline microribbons of perylo[1,12-b,c,d]selenophene for high performance transistors. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	48
660	Metastable Copper-Phthalocyanine Single-Crystal Nanowires and Their Use in Fabricating High-Performance Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2009, 19, 3776-3780.	7.8	81
661	Battery Drivable Organic Single-Crystalline Transistors Based on Surface Grafting Ultrathin Polymer Dielectric. <i>Advanced Functional Materials</i> , 2009, 19, 2987-2991.	7.8	28
662	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.	11.1	22
663	High-Performance Organic Single-Crystal Transistors and Digital Inverters of an Anthracene Derivative. <i>Advanced Materials</i> , 2009, 21, 3649-3653.	11.1	125
664	Micrometer-Sized Organic Single Crystals, Anisotropic Transport, and Field-Effect Transistors of a Fused-Ring Thienoacene. <i>Advanced Materials</i> , 2009, 21, 4492-4495.	11.1	106
665	Assembly of Nanoscale Organic Single-Crystal Cross-Wire Circuits. <i>Advanced Materials</i> , 2009, 21, 4234-4237.	11.1	109
666	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

#	ARTICLE	IF	CITATIONS
667	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.	5.8	13
668	Water-controlled synthesis of low-dimensional molecular crystals and the fabrication of a new water and moisture indicator. <i>Nano Research</i> , 2009, 2, 857.	5.8	18
669	High-Performance, Stable Organic Field-Effect Transistors Based on <i>trans</i> -1,2-(Dithieno[2,3- <i>b</i> :3- <i>d'</i>]- <i>s</i> :2- <i>d'</i>]-thiophene)ethene. <i>Chemistry of Materials</i> , 2009, 21, 1993-1999.	3.2	103
670	Nanowire Crystals of a Rigid Rod Conjugated Polymer. <i>Journal of the American Chemical Society</i> , 2009, 131, 17315-17320.	6.6	141
671	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.	1.2	34
672	Cruciforms: Assembling Single Crystal Micro- and Nanostructures from One to Three Dimensions and Their Applications in Organic Field-Effect Transistors. <i>Chemistry of Materials</i> , 2009, 21, 2840-2845.	3.2	103
673	Micro-organic single crystalline phototransistors of 7,7,8,8-tetracyanoquinodimethane and tetrathiafulvalene. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	42
674	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.	1.6	33
675	Polymer reptation for molecular assembly of copper phthalocyanine. <i>Applied Physics Letters</i> , 2009, 95, 113301.	1.5	11
676	Synthesis, packing arrangement and transistor performance of dimers of dithienothiophenes. <i>Journal of Materials Chemistry</i> , 2009, 19, 8216.	6.7	31
677	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
678	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
679	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.	1.1	8
680	High-Performance Air-Stable Bipolar Field-Effect Transistors of Organic Single-Crystalline Ribbons with an Air-Cap Dielectric. <i>Advanced Materials</i> , 2008, 20, 1511-1515.	11.1	157
681	Organic Single-Crystalline Ribbons of a Rigid α -Type Anthracene Derivative and High-Performance, Short-Channel Field-Effect Transistors of Individual Micro/Nanometer-Sized Ribbons Fabricated by an Organic Ribbon Mask-Technique. <i>Advanced Materials</i> , 2008, 20, 2735-2740.	11.1	161
682	Micrometer- and Nanometer-Sized Organic Single-Crystalline Transistors. <i>Advanced Materials</i> , 2008, 20, 2947-2951.	11.1	212
683	Air-stable ambipolar field-effect transistors based on copper phthalocyanine and tetracyanoquinodimethane. <i>Research on Chemical Intermediates</i> , 2008, 34, 147-153.	1.3	2
684	Light-Controlled Organic/Inorganic P-N Junction Nanowires. <i>Journal of the American Chemical Society</i> , 2008, 130, 9198-9199.	6.6	162

#	ARTICLE	IF	CITATIONS
685	Single-Crystalline, Size, and Orientation Controllable Nanowires and Ultralong Microwires of Organic Semiconductor with Strong Photoswitching Property. <i>Journal of the American Chemical Society</i> , 2008, 130, 3937-3941.	6.6	133
686	Air-stable ambipolar organic field-effect transistor based on a novel bi-channel structure. <i>Journal of Materials Chemistry</i> , 2008, 18, 2420.	6.7	18
687	6H-Pyrrolo[3,2-b:4,5-b ^{€²}]bis[1,4]benzothiazines: facilely synthesized semiconductors for organic field-effect transistors. <i>Journal of Materials Chemistry</i> , 2008, 18, 4814.	6.7	32
688	Ordering Rigid Rod Conjugated Polymer Molecules for High Performance Photoswitchers. <i>Langmuir</i> , 2008, 24, 13241-13244.	1.6	50
689	Organic thin-film transistors of phthalocyanines. <i>Pure and Applied Chemistry</i> , 2008, 80, 2231-2240.	0.9	69
690	Air/vacuum dielectric organic single crystalline transistors of copper-hexadecafluorophthalocyanine ribbons. <i>Applied Physics Letters</i> , 2008, 92, 083309.	1.5	37
691	Dibenzothiophene derivatives as new prototype semiconductors for organic field-effect transistors. <i>Journal of Materials Chemistry</i> , 2007, 17, 1421.	6.7	55
692	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
693	Tetrathia[22]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
694	High-Performance Transistor Based on Individual Single-Crystalline Micrometer Wire of Perylo[1,12-b,c,d]thiophene. <i>Journal of the American Chemical Society</i> , 2007, 129, 1882-1883.	6.6	148
695	Phase dependence of single crystalline transistors of tetrathiafulvalene. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	82
696	Small Molecular Chromogenic Sensors for Hg ²⁺ : A Strong α -Push-Pull System Exists after Binding. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 2459-2463.	1.2	34
697	A new morphology of copper 7,7,8,8-tetracyano-p-quinodimethane. <i>Micron</i> , 2007, 38, 536-542.	1.1	15
698	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
699	Controlling the Growth of Single Crystalline Nanoribbons of Copper Tetracyanoquinodimethane for the Fabrication of Devices and Device Arrays. <i>Journal of the American Chemical Society</i> , 2006, 128, 12917-12922.	6.6	104
700	High-Performance Air-Stable n-Type Transistors with an Asymmetrical Device Configuration Based on Organic Single-Crystalline Submicrometer/Nanometer Ribbons. <i>Journal of the American Chemical Society</i> , 2006, 128, 14634-14639.	6.6	242
701	Advancing conjugated polymers into nanometer-scale devices. <i>Pure and Applied Chemistry</i> , 2006, 78, 1803-1822.	0.9	9
702	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.	2.5	12

#	ARTICLE	IF	CITATIONS
703	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
704	Electron Transport in Self-Assembled Polymer Molecular Junctions. <i>Physical Review Letters</i> , 2006, 96, 027801.	2.9	69
705	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.	1.5	41
706	Kondo effect in quantum dots and molecular devices. <i>Science Bulletin</i> , 2005, 50, 2132-2139.	1.7	2
707	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.	6.6	76
708	Organic thin film transistors based on stable amorphous ladder tetraazapentacenes semiconductors. <i>Journal of Materials Chemistry</i> , 2005, 15, 4894.	6.7	65
709	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.	0.8	53
710	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
711	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.	2.1	34
712	A Small Molecular All-Organic Symmetric Lithium-Ion Battery. <i>Angewandte Chemie</i> , 0, , .	1.6	1