

# Lang Jiang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

174 papers	8,911 citations	50 h-index	91 g-index
188 ext. papers	10,145 ext. citations	12 avg, IF	6.1 L-index

#	Paper	IF	Citations
174	Polymerized Small Molecular Acceptor with Branched Side Chains for All Polymer Solar Cells with Efficiency over 16.7%. <i>Advanced Materials</i> , <b>2022</b> , e2110155	24	19
173	A novel class of rigid-rod perylene diimides and isoindigo semiconducting polymers. <i>Polymer Chemistry</i> , <b>2022</b> , 13, 536-544	4.9	0
172	Thermally Stable Organic Field-Effect Transistors Based on Asymmetric BTBT Derivatives for High Performance Solar-Blind Photodetectors.. <i>Advanced Science</i> , <b>2022</b> , e2106085	13.6	3
171	Case Study of Metal Coordination to the Charge Transport and Thermal Stability of Porphyrin-Based Field-Effect Transistors <b>2022</b> , 4, 548-553		0
170	Doping of Sn-based two-dimensional perovskite semiconductor for high-performance field-effect transistors and thermoelectric devices.. <i>IScience</i> , <b>2022</b> , 25, 104109	6.1	2
169	Capillary Confinement Crystallization for Monolayer Molecular Crystal Arrays. <i>Advanced Materials</i> , <b>2021</b> , e2107574	24	6
168	Intrinsic Linear Dichroism of Organic Single Crystals toward High-Performance Polarization-Sensitive Photodetectors. <i>Advanced Materials</i> , <b>2021</b> , e2105665	24	6
167	Resistance Switching Behavior of a Perhydropolysilazane-Derived SiO-Based Memristor. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 10728-10734	6.4	4
166	New Synthetic Approaches to N-Aryl and Expanded Diketopyrrolopyrroles as New Building Blocks for Organic Optoelectronic Materials. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 10700-10708	16.4	10
165	Effect of contact resistance in organic field-effect transistors. <i>Nano Select</i> , <b>2021</b> , 2, 1661-1681	3.1	6
164	Supersaturation-triggered synthesis of 2D/1D phosphide heterostructures as multi-functional catalysts for water splitting. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 093901	3.4	5
163	New Synthetic Approaches to N-Aryl and Expanded Diketopyrrolopyrroles as New Building Blocks for Organic Optoelectronic Materials. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 10795-10803	3.6	0
162	Efficient and bright warm-white electroluminescence from lead-free metal halides. <i>Nature Communications</i> , <b>2021</b> , 12, 1421	17.4	38
161	High-Throughput One-Photon Excitation Pathway in 0D/3D Heterojunctions for Visible-Light Driven Hydrogen Evolution. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2100816	15.6	40
160	Innentitelbild: New Synthetic Approaches to N-Aryl and Expanded Diketopyrrolopyrroles as New Building Blocks for Organic Optoelectronic Materials (Angew. Chem. 19/2021). <i>Angewandte Chemie</i> , <b>2021</b> , 133, 10526-10526	3.6	
159	Selenophene-containing semiconducting polymers for high-performance ambipolar thin film transistor application. <i>Polymer</i> , <b>2021</b> , 223, 123685	3.9	0
158	Sub-5 nm single crystalline organic p-n heterojunctions. <i>Nature Communications</i> , <b>2021</b> , 12, 2774	17.4	20

157	Moiré Perovskite Photodetector toward High-Sensitive Digital Polarization Imaging. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2100742	21.8	15
156	A Bubble-Assisted Approach for Patterning Nanoscale Molecular Aggregates. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 16547-16553	16.4	4
155	Epitaxial etching of organic single crystals. <i>Chinese Chemical Letters</i> , <b>2021</b> , 33, 533-533	8.1	1
154	A Bubble-Assisted Approach for Patterning Nanoscale Molecular Aggregates. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 16683-16689	3.6	
153	Synthetic Routes for Heteroatom-Containing Alkylated/Arylated Polycyclic Aromatic Hydrocarbons. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 2960-2964	3.6	5
152	Nonideal double-slope effect in organic field-effect transistors. <i>Frontiers of Physics</i> , <b>2021</b> , 16, 1	3.7	1
151	Synthetic Routes for Heteroatom-Containing Alkylated/Arylated Polycyclic Aromatic Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 2924-2928	16.4	9
150	Organic crystalline monolayers for ideal behaviours in organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 12057-12062	7.1	2
149	Highly Photostable and Luminescent Donor-Acceptor Molecules for Ultrasensitive Detection of Sulfur Mustard. <i>Advanced Science</i> , <b>2021</b> , 8, 2002615	13.6	4
148	Fused ambipolar aza-isoindigos with NIR absorption. <i>Organic Chemistry Frontiers</i> , <b>2021</b> , 8, 1170-1176	5.2	2
147	Chlorinated Spiroconjugated Fused Extended Aromatics for Multifunctional Organic Electronics. <i>Advanced Materials</i> , <b>2021</b> , 33, e2006120	24	9
146	Long-Range Exciton Migration in Coassemblies: Achieving High Photostability without Disrupting the Electron Donation of Fluorene Oligomers. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 5827-5832	16.4	3
145	Moiré Perovskite Photodetector toward High-Sensitive Digital Polarization Imaging (Adv. Energy Mater. 29/2021). <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2170118	21.8	
144	2D Metal-Organic Complex Luminescent Crystals. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2106160	15.6	3
143	High mobility organic semiconductor for constructing high efficiency carbon nitride heterojunction photocatalysts. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 17157-17161	7.1	4
142	High-performance n- and p-type organic single-crystal field-effect transistors with an air-gap dielectric towards anti-ambipolar transport. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 4303-4308	7.1	7
141	New fused conjugated molecules with fused thiophene and pyran units for organic electronic materials.. <i>RSC Advances</i> , <b>2020</b> , 10, 12378-12383	3.7	4
140	Doping High-Mobility Donor-Acceptor Copolymer Semiconductors with an Organic Salt for High-Performance Thermoelectric Materials. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 1900945	6.4	22

139	Monolayer Two-dimensional Molecular Crystals for an Ultrasensitive OFET-based Chemical Sensor. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 4410-4414	3.6	5
138	Monolayer Two-dimensional Molecular Crystals for an Ultrasensitive OFET-based Chemical Sensor. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 4380-4384	16.4	57
137	Organic Small Molecule Activates Transition Metal Foam for Efficient Oxygen Evolution Reaction. <i>Advanced Materials</i> , <b>2020</b> , 32, e1906015	24	27
136	Asymmetric organic semiconductors for high performance single crystalline field-effect transistors with low activation energy. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 6006-6012	7.1	10
135	Asymmetrical [1]Benzothieno[3,2-b][1]benzothiophene (BTBT) derivatives for organic thin-film and single-crystal transistors. <i>Organic Electronics</i> , <b>2020</b> , 77, 105537	3.5	5
134	Dicyclohepta[ijkl,uvw]rubicene with Two Pentagons and Two Heptagons as a Stable and Planar Non-benzenoid Nanographene. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 3557-3561	3.6	14
133	Dicyclohepta[ijkl,uvw]rubicene with Two Pentagons and Two Heptagons as a Stable and Planar Non-benzenoid Nanographene. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 3529-3533	16.4	31
132	Relieving the Photosensitivity of Organic Field-Effect Transistors. <i>Advanced Materials</i> , <b>2020</b> , 32, e1906122	24	34
131	Room-Temperature, Solution-Processed SiO <sub>2</sub> via Photochemistry Approach for Highly Flexible Resistive Switching Memory. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 56186-56194	9.5	7
130	Flexible Monolayer Molecular Crystal-Field Effect Transistors for Ultrasensitive and Selective Detection of Dimethoate. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 2000579	6.4	15
129	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> , <b>2020</b> , 8, 13154-13168	7.1	18
128	High-Performance Fluorinated Fused-Ring Electron Acceptor with 3D Stacking and Exciton/Charge Transport. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000645	24	81
127	Cyclohexyl-Substituted Anthracene Derivatives for High Thermal Stability Organic Semiconductors. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 11	5	11
126	Monolayer organic field-effect transistors. <i>Science China Chemistry</i> , <b>2019</b> , 62, 313-330	7.9	42
125	Corannulene Pentapetalaes. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 5402-5408	16.4	63
124	Converting Thioether Waste into Organic Semiconductors by Carbon-Sulfur Bond Activation. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 5098-5102	3.6	1
123	Converting Thioether Waste into Organic Semiconductors by Carbon-Sulfur Bond Activation. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 5044-5048	16.4	6
122	Investigation of Electrode Electrochemical Reactions in CH <sub>3</sub> NH <sub>3</sub> PbBr Perovskite Single-Crystal Field-Effect Transistors. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902618	24	48

121	Direct Wide Bandgap 2D GeSe <sub>2</sub> Monolayer toward Anisotropic UV Photodetection. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900622	8.1	36
120	Field-Effect Transistors: Photo-/Thermal-Responsive Field-Effect Transistor upon Blending Polymeric Semiconductor with Hexaarylbiimidazole toward Photonically Programmable and Thermally Erasable Memory Device (Adv. Mater. 44/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970315	24	2
119	Photo-/Thermal-Responsive Field-Effect Transistor upon Blending Polymeric Semiconductor with Hexaarylbiimidazole toward Photonically Programmable and Thermally Erasable Memory Device. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902576	24	21
118	Realizing low-voltage operating crystalline monolayer organic field-effect transistors with a low contact resistance. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 3436-3442	7.1	21
117	One-step solution synthesis of a two-dimensional semiconducting covalent organometallic nanosheet the condensation of boronic acid.. <i>RSC Advances</i> , <b>2019</b> , 9, 29327-29330	3.7	2
116	N-Type 2D Organic Single Crystals for High-Performance Organic Field-Effect Transistors and Near-Infrared Phototransistors. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706260	24	119
115	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> , <b>2018</b> , 30, 1870114	24	5
114	Controllable growth of C8-BTBT single crystalline microribbon arrays by a limited solvent vapor-assisted crystallization (LSVC) method. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 2419-2423	7.1	29
113	Quinoline-Flanked Diketopyrrolopyrrole Copolymers Breaking through Electron Mobility over 6 cm <sup>2</sup> V s in Flexible Thin Film Devices. <i>Advanced Materials</i> , <b>2018</b> , 30, 1704843	24	73
112	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> , <b>2018</b> , 6, 3856-3860	7.1	22
111	A new compound between tetracene and rubrene to improve the weakness. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 355, 131-135	4.7	
110	A new polymer field effect transistor based on fluorene derivative with fused furan rings. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46865	2.9	0
109	Bottom-up growth of n-type monolayer molecular crystals on polymeric substrate for optoelectronic device applications. <i>Nature Communications</i> , <b>2018</b> , 9, 2933	17.4	88
108	Highly anisotropic solar-blind UV photodetector based on large-size two-dimensional $\text{WMoO}_3$ atomic crystals. <i>2D Materials</i> , <b>2018</b> , 5, 035033	5.9	32
107	Organic semiconductor crystals. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 422-500	58.5	429
106	Uniform Nucleation of Lithium in 3D Current Collectors via Bromide Intermediates for Stable Cycling Lithium Metal Batteries. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 18051-18057	16.4	96
105	Direct Observation of the Dipole-Induced Energetic Disorder in Rubrene Single-Crystal Transistors by Scanning Kelvin Probe Microscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 2869-2873	6.4	12
104	Advantage of arch-shaped structure on transistor performances over linear-shaped structure in dibenzothienopyrrole semiconductors. <i>Organic Electronics</i> , <b>2018</b> , 61, 78-86	3.5	6

103	Correlation of Molecular Structure and Charge Transport Properties: A Case Study in Naphthalenediimide-Based Copolymer Semiconductors. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1800203	6.4	6
102	Effect of Alkyl-Chain Length on Charge Transport Properties of Organic Semiconductors and Organic Field-Effect Transistors. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1800175	6.4	14
101	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> , <b>2017</b> , 139, 2734-2740	16.4	57
100	A 1,1'-vinylene-fused indacenodithiophene-based low bandgap polymer for efficient polymer solar cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 5106-5114	13	29
99	Shape-Controlled Metal-Free Catalysts: Facet-Sensitive Catalytic Activity Induced by the Arrangement Pattern of Noncovalent Supramolecular Chains. <i>ACS Nano</i> , <b>2017</b> , 11, 4866-4876	16.7	26
98	Short-Wave Near-Infrared Linear Dichroism of Two-Dimensional Germanium Selenide. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 14976-14982	16.4	191
97	Random Access Memory: Organic Ferroelectric-Based 1T1T Random Access Memory Cell Employing a Common Dielectric Layer Overcoming the Half-Selection Problem (Adv. Mater. 34/2017). <i>Advanced Materials</i> , <b>2017</b> , 29,	24	5
96	Organic Ferroelectric-Based 1T1T Random Access Memory Cell Employing a Common Dielectric Layer Overcoming the Half-Selection Problem. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701907	24	34
95	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> , <b>2017</b> , 139, 17261-17264	16.4	124
94	Solution-Processed Flexible Organic Ferroelectric Phototransistor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 43880-43885	9.5	19
93	Remarkable enhancement of charge carrier mobility of conjugated polymer field-effect transistors upon incorporating an ionic additive. <i>Science Advances</i> , <b>2016</b> , 2, e1600076	14.3	115
92	Identification of dipole disorder in low temperature solution processed oxides: its utility and suppression for transparent high performance solution-processed hybrid electronics. <i>Chemical Science</i> , <b>2016</b> , 7, 6337-6346	9.4	34
91	Current-Induced Joule Heating and Electrical Field Effects in Low Temperature Measurements on TIPS Pentacene Thin Film Transistors. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1600163	6.4	11
90	Reducing dynamic disorder in small-molecule organic semiconductors by suppressing large-amplitude thermal motions. <i>Nature Communications</i> , <b>2016</b> , 7, 10736	17.4	120
89	Scanning Kelvin Probe Microscopy Investigation of the Role of Minority Carriers on the Switching Characteristics of Organic Field-Effect Transistors. <i>Advanced Materials</i> , <b>2016</b> , 28, 4713-9	24	30
88	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> , <b>2016</b> , 55, 5206-9	16.4	38
87	Organic Cocrystal Photovoltaic Behavior: A Model System to Study Charge Recombination of C60 and C70 at the Molecular Level. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1500423	6.4	34
86	Novel Air Stable Organic Radical Semiconductor of Dimers of Dithienothiophene, Single Crystals, and Field-Effect Transistors. <i>Advanced Materials</i> , <b>2016</b> , 28, 7466-71	24	33



85	Perovskite Photodetectors based on CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Single Crystals. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 2675-2679	4.5	25
84	The Impact of Interlayer Electronic Coupling on Charge Transport in Organic Semiconductors: A Case Study on Titanylphthalocyanine Single Crystals. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 5292-5295	3.6	5
83	Tailoring crystal polymorphs of organic semiconductors towards high-performance field-effect transistors. <i>Chinese Chemical Letters</i> , <b>2016</b> , 27, 1330-1338	8.1	20
82	Efficient light-emitting diodes based on nanocrystalline perovskite in a dielectric polymer matrix. <i>Nano Letters</i> , <b>2015</b> , 15, 2640-4	11.5	565
81	High mobility emissive organic semiconductor. <i>Nature Communications</i> , <b>2015</b> , 6, 10032	17.4	303
80	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> , <b>2015</b> , 27, 825-30	24	88
79	Thin film field-effect transistors of 2,6-diphenyl anthracene (DPA). <i>Chemical Communications</i> , <b>2015</b> , 51, 11777-9	5.8	78
78	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> , <b>2014</b> , 24, 3783-3789	15.6	29
77	Scalable integration of indium zinc oxide/photosensitive-nanowire composite thin-film transistors for transparent multicolor photodetectors array. <i>Advanced Materials</i> , <b>2014</b> , 26, 2919-24	24	57
76	Fabrication of ultra-flexible, ultra-thin organic field-effect transistors and circuits by a peeling-off method. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 1260-1263	7.1	26
75	Rubrene analogues with the aggregation-induced emission enhancement behaviour. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 884-890	7.1	21
74	Easily solution-processed, high-performance microribbon transistors based on a 2D condensed benzothiophene derivative. <i>Chemical Communications</i> , <b>2014</b> , 50, 442-4	5.8	38
73	Solution-processed high-performance flexible 9, 10-bis(phenylethynyl)anthracene organic single-crystal transistor and ring oscillator. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 063305	3.4	25
72	A novel method for photolithographic polymer shadow masking: toward high-resolution high-performance top-contact organic field effect transistors. <i>Chemical Communications</i> , <b>2014</b> , 50, 8328-30	5.8	20
71	A thienyl peripherally substituted rubrene analogue with constant emissions and good film forming ability. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 8222-8225	7.1	10
70	Porphyrin nanoassemblies via surfactant-assisted assembly and single nanofiber nanoelectronic sensors for high-performance H <sub>2</sub> O vapor sensing. <i>ACS Nano</i> , <b>2014</b> , 8, 3402-11	16.7	74
69	Synthesis and aggregation-induced emissions of thienyl substituted cyclobutene derivatives. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 5083-5086	7.1	11
68	Silver mirror reaction for organic electronics: towards high-performance organic field-effect transistors and circuits. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 4142	7.1	26

67	Organic Electronics: 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 (Adv. Funct. Mater. 24/2014). <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 3782-3782	15.6	3
66	Conjugated Molecules Crosslinked Graphene-Based Ultrathin Films and Their Tunable Performances in Organic Nanoelectronics. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 543-554	15.6	22
65	Large scale, flexible organic transistor arrays and circuits based on polyimide materials. <i>Organic Electronics</i> , <b>2013</b> , 14, 2528-2533	3.5	54
64	Poly(3-hexylthiophene) monolayer nanowhiskers. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 4308	4.9	34
63	A Ligand-free Copper-promoted Dimerization of Perylene Bisimide by Aromatic C≡C Homocoupling and C-H Activation. <i>Asian Journal of Organic Chemistry</i> , <b>2013</b> , 2, 558-560	3	6
62	Donor-Acceptor copolymers containing quinacridone and benzothiadiazole for thin film transistors. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 2021	7.1	24
61	Stepwise Reduction of Immobilized Monolayer Graphene Oxides. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 4839-4848	9.4	12
60	Tuning electrical properties of graphite oxide by plasma. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2013</b> , 371, 20120308	3	8
59	Controllable Growth and Assembly of One-Dimensional Structures of Organic Functional Materials for Optoelectronic Applications <b>2013</b> , 397-414		
58	Photoswitches: High Performance Photoswitches Based on Flexible and Amorphous D-A Polymer Nanowires (Small 2/2013). <i>Small</i> , <b>2013</b> , 9, 166-166	11	2
57	Synthesis and morphology transformation of single-crystal graphene domains based on activated carbon dioxide by chemical vapor deposition. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 2990	7.1	23
56	Reduction of graphene oxide to highly conductive graphene by Lawesson's reagent and its electrical applications. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 3104	7.1	127
55	Organic/Polymeric Field-Effect Transistors <b>2013</b> , 95-170		3
54	Aggregation-induced emission enhancement based on 11,11,12,12-tetracyano-9,10-anthraquinodimethane. <i>Chemical Communications</i> , <b>2013</b> , 49, 1199-201	5.8	48
53	"Double exposure method": a novel photolithographic process to fabricate flexible organic field-effect transistors and circuits. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 2316-9	9.5	22
52	Low-temperature, bottom-up synthesis of graphene via a radical-coupling reaction. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 9050-4	16.4	51
51	Highly Stable Graphene-Based Multilayer Films Immobilized via Covalent Bonds and Their Applications in Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 2422-2435	15.6	50
50	High Performance Nanocrystals of a Donor-Acceptor Conjugated Polymer. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 2649-2655	9.6	59



49	High performance photoswitches based on flexible and amorphous D-A polymer nanowires. <i>Small</i> , <b>2013</b> , 9, 294-9	11	23
48	Thiepin-fused heteroacenes: simple synthesis, unusual structure, and semiconductors with less anisotropic behavior. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 14573-80	4.8	11
47	Molecular crystal lithography: a facile and low-cost approach to fabricate nanogap electrodes. <i>Advanced Materials</i> , <b>2012</b> , 24, 694-8	24	21
46	Supercapacitor electrodes with especially high rate capability and cyclability based on a novel Pt nanosphere and cysteine-generated graphene. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 10899-903	3.6	18
45	Substitution effect on molecular packing and transistor performance of indolo[3,2-b]carbazole derivatives. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 4409-4417		50
44	High performance n-type single crystalline transistors of naphthalene bis(dicarboximide) and their anisotropic transport in crystals. <i>Chemical Communications</i> , <b>2012</b> , 48, 5154-6	5.8	36
43	Interface engineering for high-performance organic field-effect transistors. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 14165-80	3.6	79
42	Photovoltaic effect of individual polymer nanotube. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 173902	3.4	5
41	Synthesizing MnO <sub>2</sub> nanosheets from graphene oxide templates for high performance pseudosupercapacitors. <i>Chemical Science</i> , <b>2012</b> , 3, 433-437	9.4	177
40	Coaxial organic p-n heterojunction nanowire arrays: one-step synthesis and photoelectric properties. <i>Advanced Materials</i> , <b>2012</b> , 24, 2332-6	24	80
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38	Uniform hexagonal graphene flakes and films grown on liquid copper surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 7992-6	11.5	351
37	Low temperature growth of highly nitrogen-doped single crystal graphene arrays by chemical vapor deposition. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 11060-3	16.4	262
36	Single crystal field-effect transistors containing a pentacene analogue and their application in ethanol vapor detection. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 103302	3.4	25
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34	Synthesis of large-area, few-layer graphene on iron foil by chemical vapor deposition. <i>Nano Research</i> , <b>2011</b> , 4, 1208-1214	10	106
33	Large-area single-crystalline nanocone arrays of an organic charge-transfer complex: controlling growth, characterization, and applications. <i>Small</i> , <b>2011</b> , 7, 1412-5	11	25
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27	Morphology control for high performance organic thin film transistors. <i>Chemical Science</i> , <b>2011</b> , 2, 590-600	9.4	93
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25	Template-free solution growth of highly regular, crystal orientation-ordered C60 nanorod bundles. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 953-956		21
24	Tuning intermolecular non-covalent interactions for nanowires of organic semiconductors. <i>Nanoscale</i> , <b>2010</b> , 2, 2652-6	7.7	22
23	Development of organic field-effect properties by introducing aryl-acetylene into benzodithiophene. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 10931		24
22	Organic single crystal field-effect transistors: advances and perspectives. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 4994		141
21	"Water strider" legs with a self-assembled coating of single-crystalline nanowires of an organic semiconductor. <i>Advanced Materials</i> , <b>2010</b> , 22, 376-9	24	57
20	Electric current induced reduction of graphene oxide and its application as gap electrodes in organic photoswitching devices. <i>Advanced Materials</i> , <b>2010</b> , 22, 5008-12	24	81
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18	Battery Drivable Organic Single-Crystalline Transistors Based on Surface Grafting Ultrathin Polymer Dielectric. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 2987-2991	15.6	28
17	High-Performance Organic Single-Crystal Transistors and Digital Inverters of an Anthracene Derivative. <i>Advanced Materials</i> , <b>2009</b> , 21, 3649-3653	24	115
16	Micrometer-Sized Organic Single Crystals, Anisotropic Transport, and Field-Effect Transistors of a Fused-Ring Thienoacene. <i>Advanced Materials</i> , <b>2009</b> , 21, 4492-4495	24	100
15	Influence of intermolecular N-H...pi interactions on molecular packing and field-effect performance of organic semiconductors. <i>ChemPhysChem</i> , <b>2009</b> , 10, 2345-8	3.2	24
14	Nanowire crystals of a rigid rod conjugated polymer. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 17315-20	16.4	123

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10	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> , <b>2008</b> , 130, 3937-41	16.4	122
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6	Kondo effect in quantum dots and molecular devices. <i>Science Bulletin</i> , <b>2005</b> , 50, 2132-2139		2
5	Kondo effect in quantum dots and molecular devices. <i>Science Bulletin</i> , <b>2005</b> , 50, 2132		1
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