Lang Jiang

List of Publications by Citations

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	Sulfonated graphene for persistent aromatic pollutant management. *Advanced Materials*, **2011**, 23, 3959-63	24	598
173	Efficient light-emitting diodes based on nanocrystalline perovskite in a dielectric polymer matrix. *Nano Letters*, **2015**, 15, 2640-4	11.5	565
172	Organic semiconductor crystals. *Chemical Society Reviews*, **2018**, 47, 422-500	58.5	429
171	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, 7992-6	11.5	351
170	High mobility emissive organic semiconductor. *Nature Communications*, **2015**, 6, 10032	17.4	303
169	Low temperature growth of highly nitrogen-doped single crystal graphene arrays by chemical vapor deposition. *Journal of the American Chemical Society*, **2012**, 134, 11060-3	16.4	262
168	Short-Wave Near-Infrared Linear Dichroism of Two-Dimensional Germanium Selenide. *Journal of the American Chemical Society*, **2017**, 139, 14976-14982	16.4	191
167	High mobility, air stable, organic single crystal transistors of an n-type diperylene bisimide. *Advanced Materials*, **2012**, 24, 2626-30	24	187
166	Synthesizing MnO2 nanosheets from graphene oxide templates for high performance pseudosupercapacitors. *Chemical Science*, **2012**, 3, 433-437	9.4	177
165	Millimeter-sized molecular monolayer two-dimensional crystals. *Advanced Materials*, **2011**, 23, 2059-63	24	171
164	Equiangular hexagon-shape-controlled synthesis of graphene on copper surface. *Advanced Materials*, **2011**, 23, 3522-5	24	162
163	Organic Single-Crystalline Ribbons of a Rigid "H"-type Anthracene Derivative and High-Performance, Short-Channel Field-Effect Transistors of Individual Micro/Nanometer-Sized Ribbons Fabricated by an "Organic Ribbon Mask" Technique. *Advanced Materials*, **2008**, 20, 2735-40	24	150
162	Organic single crystal field-effect transistors: advances and perspectives. *Journal of Materials Chemistry*, **2010**, 20, 4994		141
161	Reduction of graphene oxide to highly conductive graphene by Lawesson's reagent and its electrical applications. *Journal of Materials Chemistry C*, **2013**, 1, 3104	7.1	127
160	Aromatic Extension at 2,6-Positions of Anthracene toward an Elegant Strategy for Organic Semiconductors with Efficient Charge Transport and Strong Solid State Emission. *Journal of the American Chemical Society*, **2017**, 139, 17261-17264	16.4	124
159	Nanowire crystals of a rigid rod conjugated polymer. *Journal of the American Chemical Society*, **2009** , 131, 17315-20	16.4	123
158	Single-crystalline, size, and orientation controllable nanowires and ultralong microwires of organic semiconductor with strong photoswitching property. *Journal of the American Chemical Society*, **2008**, 130, 3937-41	16.4	122

157	Reducing dynamic disorder in small-molecule organic semiconductors by suppressing large-amplitude thermal motions. *Nature Communications*, **2016**, 7, 10736	17.4	120
156	N-Type 2D Organic Single Crystals for High-Performance Organic Field-Effect Transistors and Near-Infrared Phototransistors. *Advanced Materials*, **2018**, 30, e1706260	24	119
155	Remarkable enhancement of charge carrier mobility of conjugated polymer field-effect transistors upon incorporating an ionic additive. *Science Advances*, **2016**, 2, e1600076	14.3	115
154	High-Performance Organic Single-Crystal Transistors and Digital Inverters of an Anthracene Derivative. *Advanced Materials*, **2009**, 21, 3649-3653	24	115
153	Synthesis of large-area, few-layer graphene on iron foil by chemical vapor deposition. *Nano Research*, **2011**, 4, 1208-1214	10	106
152	Micrometer-Sized Organic Single Crystals, Anisotropic Transport, and Field-Effect Transistors of a Fused-Ring Thienoacene. *Advanced Materials*, **2009**, 21, 4492-4495	24	100
151	High performance photodetectors of individual InSe single crystalline nanowire. *Journal of the American Chemical Society*, **2009**, 131, 15602-3	16.4	98
150	Uniform Nucleation of Lithium in 3D Current Collectors via Bromide Intermediates for Stable Cycling Lithium Metal Batteries. *Journal of the American Chemical Society*, **2018**, 140, 18051-18057	16.4	96
149	Morphology control for high performance organic thin film transistors. *Chemical Science*, **2011**, 2, 590-600	9.4	93
148	Particle-Size Control and Patterning of a Charge-Transfer Complex for Nanoelectronics. *Advanced Materials*, **2005**, 17, 2953-2957	24	90
147	Tuning the crystal polymorphs of alkyl thienoacene via solution self-assembly toward air-stable and high-performance organic field-effect transistors. *Advanced Materials*, **2015**, 27, 825-30	24	88
146	Bottom-up growth of n-type monolayer molecular crystals on polymeric substrate for optoelectronic device applications. *Nature Communications*, **2018**, 9, 2933	17.4	88
145	Electric current induced reduction of graphene oxide and its application as gap electrodes in organic photoswitching devices. *Advanced Materials*, **2010**, 22, 5008-12	24	81
144	High-Performance Fluorinated Fused-Ring Electron Acceptor with 3D Stacking and Exciton/Charge Transport. *Advanced Materials*, **2020**, 32, e2000645	24	81
143	Coaxial organic p-n heterojunction nanowire arrays: one-step synthesis and photoelectric properties. *Advanced Materials*, **2012**, 24, 2332-6	24	80
142	Interface engineering for high-performance organic field-effect transistors. *Physical Chemistry Chemical Physics*, **2012**, 14, 14165-80	3.6	79
141	Thin film field-effect transistors of 2,6-diphenyl anthracene (DPA). *Chemical Communications*, **2015**, 51, 11777-9	5.8	78
140	Porphyrin nanoassemblies via surfactant-assisted assembly and single nanofiber nanoelectronic sensors for high-performance HCl vapor sensing. *ACS Nano*, **2014**, 8, 3402-11	16.7	74

139	Quinoline-Flanked Diketopyrrolopyrrole Copolymers Breaking through Electron Mobility over 6 cm V s in Flexible Thin Film Devices. *Advanced Materials*, **2018**, 30, 1704843	24	73
138	Mica, a potential two-dimensional-crystal gate insulator for organic field-effect transistors. *Advanced Materials*, **2011**, 23, 5502-7	24	73
137	Controllable fabrication of supramolecular nanocoils and nanoribbons and their morphology-dependent photoswitching. *Journal of the American Chemical Society*, **2009**, 131, 2756-7	16.4	72
136	Corannurylene Pentapetalae. *Journal of the American Chemical Society*, **2019**, 141, 5402-5408	16.4	63
135	High Performance Nanocrystals of a Donor/Acceptor Conjugated Polymer. *Chemistry of Materials*, **2013**, 25, 2649-2655	9.6	59
134	Surface Polarity and Self-Structured Nanogrooves Collaboratively Oriented Molecular Packing for High Crystallinity toward Efficient Charge Transport. *Journal of the American Chemical Society*, **2017**, 139, 2734-2740	16.4	57
133	Monolayer Two-dimensional Molecular Crystals for an Ultrasensitive OFET-based Chemical Sensor. *Angewandte Chemie - International Edition*, **2020**, 59, 4380-4384	16.4	57
132	Scalable integration of indium zinc oxide/photosensitive-nanowire composite thin-film transistors for transparent multicolor photodetectors array. *Advanced Materials*, **2014**, 26, 2919-24	24	57
131	Graphene and graphene oxide nanogap electrodes fabricated by atomic force microscopy nanolithography. *Applied Physics Letters*, **2010**, 97, 133301	3.4	57
130	"Water strider" legs with a self-assembled coating of single-crystalline nanowires of an organic semiconductor. *Advanced Materials*, **2010**, 22, 376-9	24	57
129	Large scale, flexible organic transistor arrays and circuits based on polyimide materials. *Organic Electronics*, **2013**, 14, 2528-2533	3.5	54
128	Low-temperature, bottom-up synthesis of graphene via a radical-coupling reaction. *Journal of the American Chemical Society*, **2013**, 135, 9050-4	16.4	51
127	Substitution effect on molecular packing and transistor performance of indolo[3,2-b]carbazole derivatives. *Journal of Materials Chemistry*, **2012**, 22, 4409-4417		50
126	Highly Stable Graphene-Based Multilayer Films Immobilized via Covalent Bonds and Their Applications in Organic Field-Effect Transistors. *Advanced Functional Materials*, **2013**, 23, 2422-2435	15.6	50
125	Investigation of Electrode Electrochemical Reactions in CH NH PbBr Perovskite Single-Crystal Field-Effect Transistors. *Advanced Materials*, **2019**, 31, e1902618	24	48
124	Aggregation-induced emission enhancement based on 11,11,12,12,-tetracyano-9,10-anthraquinodimethane. *Chemical Communications*, **2013**, 49, 1199-201	5.8	48
123	Single crystalline microribbons of perylo[1,12-b,c,d]selenophene for high performance transistors. *Applied Physics Letters*, **2009**, 94, 153306	3.4	46
122	Controlled growth and assembly of one-dimensional ordered nanostructures of organic functional materials. *Soft Matter*, **2011**, 7, 1615-1630	3.6	45

121	Electron transport through a self-assembled monolayer of thiol-end-functionalized tetraphenylporphines and metal tetraphenylporphines. *Langmuir*, **2006**, 22, 3035-9	4	44
120	Monolayer organic field-effect transistors. *Science China Chemistry*, **2019**, 62, 313-330	7.9	42
119	High-Throughput One-Photon Excitation Pathway in 0D/3D Heterojunctions for Visible-Light Driven Hydrogen Evolution. *Advanced Functional Materials*, **2021**, 31, 2100816	15.6	40
118	New type of organic semiconductors for field-effect transistors with carbon-carbon triple bonds. *Journal of Materials Chemistry*, **2009**, 19, 1477		39
117	The Impact of Interlayer Electronic Coupling on Charge Transport in Organic Semiconductors: A Case Study on Titanylphthalocyanine Single Crystals. *Angewandte Chemie - International Edition*, **2016**, 55, 5206-9	16.4	38
116	Easily solution-processed, high-performance microribbon transistors based on a 2D condensed benzothiophene derivative. *Chemical Communications*, **2014**, 50, 442-4	5.8	38
115	Efficient and bright warm-white electroluminescence from lead-free metal halides. *Nature Communications*, **2021**, 12, 1421	17.4	38
114	Direct Wide Bandgap 2D GeSe2 Monolayer toward Anisotropic UV Photodetection. *Advanced Optical Materials*, **2019**, 7, 1900622	8.1	36
113	High performance n-type single crystalline transistors of naphthalene bis(dicarboximide) and their anisotropic transport in crystals. *Chemical Communications*, **2012**, 48, 5154-6	5.8	36
112	Identification of dipole disorder in low temperature solution processed oxides: its utility and suppression for transparent high performance solution-processed hybrid electronics. *Chemical Science*, **2016**, 7, 6337-6346	9.4	34
111	Organic Cocrystal Photovoltaic Behavior: A Model System to Study Charge Recombination of C60 and C70 at the Molecular Level. *Advanced Electronic Materials*, **2016**, 2, 1500423	6.4	34
110	Poly(3-hexylthiophene) monolayer nanowhiskers. *Polymer Chemistry*, **2013**, 4, 4308	4.9	34
109	Organic Ferroelectric-Based 1T1T Random Access Memory Cell Employing a Common Dielectric Layer Overcoming the Half-Selection Problem. *Advanced Materials*, **2017**, 29, 1701907	24	34
108	Relieving the Photosensitivity of Organic Field-Effect Transistors. *Advanced Materials*, **2020**, 32, e1906122	24	34
107	Novel Air Stable Organic Radical Semiconductor of Dimers of Dithienothiophene, Single Crystals, and Field-Effect Transistors. *Advanced Materials*, **2016**, 28, 7466-71	24	33
106	Highly anisotropic solar-blind UV photodetector based on large-size two-dimensional □MoO 3 atomic crystals. *2D Materials*, **2018**, 5, 035033	5.9	32
105	Dicyclohepta[ijkl,uvwx]rubicene with Two Pentagons and Two Heptagons as a Stable and Planar Non-benzenoid Nanographene. *Angewandte Chemie - International Edition*, **2020**, 59, 3529-3533	16.4	31
104	Scanning Kelvin Probe Microscopy Investigation of the Role of Minority Carriers on the Switching Characteristics of Organic Field-Effect Transistors. *Advanced Materials*, **2016**, 28, 4713-9	24	30

103	A 1,1?-vinylene-fused indacenodithiophene-based low bandgap polymer for efficient polymer solar cells. *Journal of Materials Chemistry A*, **2017**, 5, 5106-5114	13	29
102	Controllable growth of C8-BTBT single crystalline microribbon arrays by a limited solvent vapor-assisted crystallization (LSVC) method. *Journal of Materials Chemistry C*, **2018**, 6, 2419-2423	7.1	29
101	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. *Advanced Functional Materials*, **2014**, 24, 3783-3789	15.6	29
100	Battery Drivable Organic Single-Crystalline Transistors Based on Surface Grafting Ultrathin Polymer Dielectric. *Advanced Functional Materials*, **2009**, 19, 2987-2991	15.6	28
99	Organic Small Molecule Activates Transition Metal Foam for Efficient Oxygen Evolution Reaction. *Advanced Materials*, **2020**, 32, e1906015	24	27
98	Single-crystalline C60 nanostructures by sonophysical preparation: tuning hollow nanobowls as catalyst supports for methanol oxidation. *Chemistry - A European Journal*, **2011**, 17, 4921-6	4.8	27
97	Shape-Controlled Metal-Free Catalysts: Facet-Sensitive Catalytic Activity Induced by the Arrangement Pattern of Noncovalent Supramolecular Chains. *ACS Nano*, **2017**, 11, 4866-4876	16.7	26
96	Fabrication of ultra-flexible, ultra-thin organic field-effect transistors and circuits by a peeling-off method. *Journal of Materials Chemistry C*, **2014**, 2, 1260-1263	7.1	26
95	Silver mirror reaction for organic electronics: towards high-performance organic field-effect transistors and circuits. *Journal of Materials Chemistry C*, **2014**, 2, 4142	7.1	26
94	Solution-processed high-performance flexible 9, 10-bis(phenylethynyl)anthracene organic single-crystal transistor and ring oscillator. *Applied Physics Letters*, **2014**, 104, 063305	3.4	25
93	Large-area single-crystalline nanocone arrays of an organic charge-transfer complex: controlling growth, characterization, and applications. *Small*, **2011**, 7, 1412-5	11	25
92	Single crystal field-effect transistors containing a pentacene analogue and their application in ethanol vapor detection. *Applied Physics Letters*, **2012**, 101, 103302	3.4	25
91	Perovskite Photodetectors based on CH NH PbI Single Crystals. *Chemistry - an Asian Journal*, **2016**, 11, 2675-2679	4.5	25
90	Donor cceptor copolymers containing quinacridone and benzothiadiazole for thin film transistors. *Journal of Materials Chemistry C*, **2013**, 1, 2021	7.1	24
89	Development of organic field-effect properties by introducing aryl-acetylene into benzodithiophene. *Journal of Materials Chemistry*, **2010**, 20, 10931		24
88	Influence of intermolecular N-H...pi interactions on molecular packing and field-effect performance of organic semiconductors. *ChemPhysChem*, **2009**, 10, 2345-8	3.2	24
87	Synthesis and morphology transformation of single-crystal graphene domains based on activated carbon dioxide by chemical vapor deposition. *Journal of Materials Chemistry C*, **2013**, 1, 2990	7.1	23
86	High performance photoswitches based on flexible and amorphous D-A polymer nanowires. *Small*, **2013**, 9, 294-9	11	23

85	Doping High-Mobility Donor–Acceptor Copolymer Semiconductors with an Organic Salt for High-Performance Thermoelectric Materials. *Advanced Electronic Materials*, **2020**, 6, 1900945	6.4	22
84	A new organic compound of 2-(2,2-diphenylethenyl)anthracene (DPEA) showing simultaneous electrical charge transport property and AIE optical characteristics. *Journal of Materials Chemistry C* , **2018**, 6, 3856-3860	7.1	22
83	Conjugated Molecules Crosslinked Graphene-Based Ultrathin Films and Their Tunable Performances in Organic Nanoelectronics. *Advanced Functional Materials*, **2014**, 24, 543-554	15.6	22
82	"Double exposure method": a novel photolithographic process to fabricate flexible organic field-effect transistors and circuits. *ACS Applied Materials & Interfaces*, **2013**, 5, 2316-9	9.5	22
81	Tuning intermolecular non-covalent interactions for nanowires of organic semiconductors. *Nanoscale*, **2010**, 2, 2652-6	7.7	22
80	Photo-/Thermal-Responsive Field-Effect Transistor upon Blending Polymeric Semiconductor with Hexaarylbiimidazole toward Photonically Programmable and Thermally Erasable Memory Device. *Advanced Materials*, **2019**, 31, e1902576	24	21
79	Rubrene analogues with the aggregation-induced emission enhancement behaviour. *Journal of Materials Chemistry C*, **2014**, 2, 884-890	7.1	21
78	Molecular crystal lithography: a facile and low-cost approach to fabricate nanogap electrodes. *Advanced Materials*, **2012**, 24, 694-8	24	21
77	Template-free solution growth of highly regular, crystal orientation-ordered C60 nanorod bundles. *Journal of Materials Chemistry*, **2010**, 20, 953-956		21
76	Realizing low-voltage operating crystalline monolayer organic field-effect transistors with a low contact resistance. *Journal of Materials Chemistry C*, **2019**, 7, 3436-3442	7.1	21
75	A novel method for photolithographic polymer shadow masking: toward high-resolution high-performance top-contact organic field effect transistors. *Chemical Communications*, **2014**, 50, 8328-30	5.8	20
74	Sub-5 nm single crystalline organic p-n heterojunctions. *Nature Communications*, **2021**, 12, 2774	17.4	20
73	Tailoring crystal polymorphs of organic semiconductors towards high-performance field-effect transistors. *Chinese Chemical Letters*, **2016**, 27, 1330-1338	8.1	20
72	Solution-Processed Flexible Organic Ferroelectric Phototransistor. *ACS Applied Materials & Interfaces*, **2017**, 9, 43880-43885	9.5	19
71	Polymerized Small Molecular Acceptor with Branched Side Chains for All Polymer Solar Cells with Efficiency over 16.7.. *Advanced Materials*, **2022**, e2110155	24	19
70	Supercapacitor electrodes with especially high rate capability and cyclability based on a novel Pt nanosphere and cysteine-generated graphene. *Physical Chemistry Chemical Physics*, **2012**, 14, 10899-903	3.6	18
69	The effect of thickness on the optoelectronic properties of organic field-effect transistors: towards molecular crystals at monolayer limit. *Journal of Materials Chemistry C*, **2020**, 8, 13154-13168	7.1	18
68	Flexible Monolayer Molecular Crystal-Field Effect Transistors for Ultrasensitive and Selective Detection of Dimethoate. *Advanced Electronic Materials*, **2020**, 6, 2000579	6.4	15

67	Moir□Perovskite Photodetector toward High-Sensitive Digital Polarization Imaging. *Advanced Energy Materials*, **2021**, 11, 2100742	21.8	15
66	Dicyclohepta[ijkl,uvwx]rubicene with Two Pentagons and Two Heptagons as a Stable and Planar Non-benzenoid Nanographene. *Angewandte Chemie*, **2020**, 132, 3557-3561	3.6	14
65	Effect of Alkyl-Chain Length on Charge Transport Properties of Organic Semiconductors and Organic Field-Effect Transistors. *Advanced Electronic Materials*, **2018**, 4, 1800175	6.4	14
64	Stepwise Reduction of Immobilized Monolayer Graphene Oxides. *Chemistry of Materials*, **2013**, 25, 4839-4848	9.4	12
63	Direct Observation of the Dipole-Induced Energetic Disorder in Rubrene Single-Crystal Transistors by Scanning Kelvin Probe Microscopy. *Journal of Physical Chemistry Letters*, **2018**, 9, 2869-2873	6.4	12
62	Cyclohexyl-Substituted Anthracene Derivatives for High Thermal Stability Organic Semiconductors. *Frontiers in Chemistry*, **2019**, 7, 11	5	11
61	Current-Induced Joule Heating and Electrical Field Effects in Low Temperature Measurements on TIPS Pentacene Thin Film Transistors. *Advanced Electronic Materials*, **2016**, 2, 1600163	6.4	11
60	Synthesis and aggregation-induced emissions of thienyl substituted cyclobutene derivatives. *Journal of Materials Chemistry C*, **2014**, 2, 5083-5086	7.1	11
59	Thiepin-fused heteroacenes: simple synthesis, unusual structure, and semiconductors with less anisotropic behavior. *Chemistry - A European Journal*, **2013**, 19, 14573-80	4.8	11
58	Asymmetric organic semiconductors for high performance single crystalline field-effect transistors with low activation energy. *Journal of Materials Chemistry C*, **2020**, 8, 6006-6012	7.1	10
57	A thienyl peripherally substituted rubrene analogue with constant emissions and good film forming ability. *Journal of Materials Chemistry C*, **2014**, 2, 8222-8225	7.1	10
56	New Synthetic Approaches to N-Aryl and □Expanded Diketopyrrolopyrroles as New Building Blocks for Organic Optoelectronic Materials. *Angewandte Chemie - International Edition*, **2021**, 60, 10700-10708	16.4	10
55	Synthetic Routes for Heteroatom-Containing Alkylated/Arylated Polycyclic Aromatic Hydrocarbons. *Angewandte Chemie - International Edition*, **2021**, 60, 2924-2928	16.4	9
54	Chlorinated Spiroconjugated Fused Extended Aromatics for Multifunctional Organic Electronics. *Advanced Materials*, **2021**, 33, e2006120	24	9
53	Tuning electrical properties of graphite oxide by plasma. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2013**, 371, 20120308	3	8
52	High-performance n- and p-type organic single-crystal field-effect transistors with an air-gap dielectric towards anti-ambipolar transport. *Journal of Materials Chemistry C*, **2020**, 8, 4303-4308	7.1	7
51	Room-Temperature, Solution-Processed SiO via Photochemistry Approach for Highly Flexible Resistive Switching Memory. *ACS Applied Materials & Interfaces*, **2020**, 12, 56186-56194	9.5	7
50	Converting Thioether Waste into Organic Semiconductors by Carbon-Sulfur Bond Activation. *Angewandte Chemie - International Edition*, **2019**, 58, 5044-5048	16.4	6

49	A Ligand-free Copper-promoted Dimerization of Perylene Bisimide by Aromatic C?C Homocoupling and C?H Activation. *Asian Journal of Organic Chemistry*, **2013**, 2, 558-560	3	6
48	Capillary Confinement Crystallization for Monolayer Molecular Crystal Arrays. *Advanced Materials*, **2021**, e2107574	24	6
47	Intrinsic Linear Dichroism of Organic Single Crystals toward High-Performance Polarization-Sensitive Photodetectors. *Advanced Materials*, **2021**, e2105665	24	6
46	Effect of contact resistance in organic field-effect transistors. *Nano Select*, **2021**, 2, 1661-1681	3.1	6
45	Advantage of arch-shaped structure on transistor performances over linear-shaped structure in dibenzothienopyrrole semiconductors. *Organic Electronics*, **2018**, 61, 78-86	3.5	6
44	Correlation of Molecular Structure and Charge Transport Properties: A Case Study in NaphthalenediimideBased Copolymer Semiconductors. *Advanced Electronic Materials*, **2018**, 4, 1800203	6.4	6
43	Monolayer Two-dimensional Molecular Crystals for an Ultrasensitive OFET-based Chemical Sensor. *Angewandte Chemie*, **2020**, 132, 4410-4414	3.6	5
42	Organic Single Crystals: N-Type 2D Organic Single Crystals for High-Performance Organic Field-Effect Transistors and Near-Infrared Phototransistors (Adv. Mater. 16/2018). *Advanced Materials*, **2018**, 30, 1870114	24	5
41	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). *Advanced Materials*, **2017**, 29,	24	5
40	Photovoltaic effect of individual polymer nanotube. *Applied Physics Letters*, **2012**, 100, 173902	3.4	5
39	Asymmetrical [1]Benzothieno[3,2-b][1]benzothiophene (BTBT) derivatives for organic thin-film and single-crystal transistors. *Organic Electronics*, **2020**, 77, 105537	3.5	5
38	Supersaturation-triggered synthesis of 2D/1D phosphide heterostructures as multi-functional catalysts for water splitting. *Applied Physics Letters*, **2021**, 118, 093901	3.4	5
37	The Impact of Interlayer Electronic Coupling on Charge Transport in Organic Semiconductors: A Case Study on Titanylphthalocyanine Single Crystals. *Angewandte Chemie*, **2016**, 128, 5292-5295	3.6	5
36	Synthetic Routes for Heteroatom-Containing Alkylated/Arylated Polycyclic Aromatic Hydrocarbons. *Angewandte Chemie*, **2021**, 133, 2960-2964	3.6	5
35	Few-layered organic single-crystalline heterojunctions for high-performance phototransistors. *Nano Research*,1	10	5
34	High mobility organic semiconductor for constructing high efficiency carbon nitride heterojunction photocatalysts. *Journal of Materials Chemistry C*, **2020**, 8, 17157-17161	7.1	4
33	New fused conjugated molecules with fused thiophene and pyran units for organic electronic materials.. *RSC Advances*, **2020**, 10, 12378-12383	3.7	4
32	Resistance Switching Behavior of a Perhydropolysilazane-Derived SiO-Based Memristor. *Journal of Physical Chemistry Letters*, **2021**, 12, 10728-10734	6.4	4

31	A Bubble-Assisted Approach for Patterning Nanoscale Molecular Aggregates. *Angewandte Chemie - International Edition*, **2021**, 60, 16547-16553	16.4	4
30	Highly Photostable and Luminescent Donor-Acceptor Molecules for Ultrasensitive Detection of Sulfur Mustard. *Advanced Science*, **2021**, 8, 2002615	13.6	4
29	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). *Advanced Functional Materials*, **2014**, 24, 3782-3782	15.6	3
28	Organic/Polymeric Field-Effect Transistors **2013**, 95-170		3
27	Amorphous B-doped graphitic carbon nitride quantum dots with high photoluminescence quantum yield of near 90% and their sensitive detection of Fe2+/Cd2+. *Science China Materials*,1	7.1	3
26	Long-Range Exciton Migration in Coassemblies: Achieving High Photostability without Disrupting the Electron Donation of Fluorene Oligomers. *Angewandte Chemie - International Edition*, **2021**, 60, 5827-5832	16.4	3
25	2D Metal-Organic Complex Luminescent Crystals. *Advanced Functional Materials*, **2021**, 31, 2106160	15.6	3
24	Thermally Stable Organic Field-Effect Transistors Based on Asymmetric BTBT Derivatives for High Performance Solar-Blind Photodetectors.. *Advanced Science*, **2022**, e2106085	13.6	3
23	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). *Advanced Materials*, **2019**, 31, 1970315	24	2
22	Photoswitches: High Performance Photoswitches Based on Flexible and Amorphous DA Polymer Nanowires (Small 2/2013). *Small*, **2013**, 9, 166-166	11	2
21	Kondo effect in quantum dots and molecular devices. *Science Bulletin*, **2005**, 50, 2132-2139		2
20	Solution-processed top-contact electrodes strategy for organic crystalline field-effect transistor arrays. *Nano Research*,1	10	2
19	One-step solution synthesis of a two-dimensional semiconducting covalent organometallic nanosheet the condensation of boronic acid.. *RSC Advances*, **2019**, 9, 29327-29330	3.7	2
18	Organic crystalline monolayers for ideal behaviours in organic field-effect transistors. *Journal of Materials Chemistry C*, **2021**, 9, 12057-12062	7.1	2
17	Fused ambipolar aza-isoindigos with NIR absorption. *Organic Chemistry Frontiers*, **2021**, 8, 1170-1176	5.2	2
16	Doping of Sn-based two-dimensional perovskite semiconductor for high-performance field-effect transistors and thermoelectric devices.. *IScience*, **2022**, 25, 104109	6.1	2
15	Converting Thioether Waste into Organic Semiconductors by Carbon Sulfur Bond Activation. *Angewandte Chemie*, **2019**, 131, 5098-5102	3.6	1
14	Kondo effect in quantum dots and molecular devices. *Science Bulletin*, **2005**, 50, 2132		1

13	Epitaxial etching of organic single crystals. *Chinese Chemical Letters*, **2021**, 33, 533-533	8.1	1
12	Nonideal double-slope effect in organic field-effect transistors. *Frontiers of Physics*, **2021**, 16, 1	3.7	1
11	A new polymer field effect transistor based on fluorene derivative with fused furan rings. *Journal of Applied Polymer Science*, **2018**, 135, 46865	2.9	0
10	A novel class of rigid-rod perylene diimides and isoindigo semiconducting polymers. *Polymer Chemistry*, **2022**, 13, 536-544	4.9	0
9	New Synthetic Approaches to N-Aryl and Expanded Diketopyrrolopyrroles as New Building Blocks for Organic Optoelectronic Materials. *Angewandte Chemie*, **2021**, 133, 10795-10803	3.6	0
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