Yunlong guo

List of Publications by Year
in descending order

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193	15,290	15466 65	19136 118
papers	citations	h-index	g-index

202	202	202	17260
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A nonchlorinated solvent-processed polymer semiconductor for high-performance ambipolar transistors. National Science Review, 2022, 9, nwab145.	4.6	5
2	Acceptor Modulation Strategies for Improving the Electron Transport in Highâ€Performance Organic Fieldâ€Effect Transistors. Advanced Materials, 2022, 34, e2104325.	11.1	53
3	Ultrahighâ€Performance Optoelectronic Skin Based on Intrinsically Stretchable Perovskiteâ€Polymer Heterojunction Transistors. Advanced Materials, 2022, 34, e2107304.	11.1	34
4	Enabling the aqueous solution sensing of skin-conformable organic field-effect transistor using an amphiphilic molecule. Applied Materials Today, 2022, 26, 101275.	2.3	5
5	Ultrahighâ€Performance Optoelectronic Skin Based on Intrinsically Stretchable Perovskiteâ€Polymer Heterojunction Transistors (Adv. Mater. 4/2022). Advanced Materials, 2022, 34, .	11.1	0
6	Advances in flexible organic field-effect transistors and their applications for flexible electronics. Npj Flexible Electronics, 2022, 6, .	5.1	194
7	Constructing Stable Chromenoquinoline-Based Covalent Organic Frameworks via Intramolecular Povarov Reaction. Journal of the American Chemical Society, 2022, 144, 2488-2494.	6.6	57
8	Organic Semiconductors for Room-Temperature Spin Valves. , 2022, 4, 805-814.		8
9	Ultralowâ€Power and Multisensory Artificial Synapse Based on Electrolyteâ€Gated Vertical Organic Transistors. Advanced Functional Materials, 2022, 32, .	7.8	38
10	Design of All-Fused-Ring Nonfullerene Acceptor for Highly Sensitive Self-Powered Near-Infrared Organic Photodetectors. , 2022, 4, 882-890.		27
11	Intrinsically flexible displays: key materials and devices. National Science Review, 2022, 9, .	4.6	40
12	A Selfâ€Assembled 3D Penetrating Nanonetwork for Highâ€Performance Intrinsically Stretchable Polymer Lightâ€Emitting Diodes. Advanced Materials, 2022, 34, e2201844.	11.1	19
13	Multifunctional neurosynaptic devices for human perception systems. Journal of Semiconductors, 2022, 43, 051201.	2.0	6
14	A thriving decade: rational design, green synthesis, and cutting-edge applications of isoindigo-based conjugated polymers in organic field-effect transistors. Science China Chemistry, 2022, 65, 1225-1264.	4.2	15
15	Highâ€Mobility Organic Lightâ€Emitting Semiconductors and Its Optoelectronic Devices. Small Structures, 2021, 2, 2000083.	6.9	47
16	High-performance near-infrared polymeric phototransistors realized by combining cross-linked polymeric semiconductors and bulk heterojunction bilayer structures. Applied Materials Today, 2021, 22, 100899.	2.3	24
17	Perovskite photodetectors and their application in artificial photonic synapses. Chemical Communications, 2021, 57, 11429-11442.	2.2	27
18	Ultra-sensitive boscalid sensors based on a Î²-cyclodextrin modified perfluorinated copper phthalocyanine field-effect transistor. Journal of Materials Chemistry C, 2021, 9, 12877-12883.	2.7	3

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19	Alignment of linear polymeric grains for highly stable N-type thin-film transistors. CheM, 2021, 7, 1258-1270.	5.8	33
20	Dualâ€Mode Learning of Ambipolar Synaptic Phototransistor Based on 2D Perovskite/Organic Heterojunction for Flexible Color Recognizable Visual System. Small, 2021, 17, e2102820.	5.2	66
21	50.4: Invited Paper: Flexible organic semiconductors and transistors. Digest of Technical Papers SID International Symposium, 2021, 52, 610-610.	0.1	0
22	Nonchlorinated Solubility Enhanced by Lipophilicity: An Effective Strategy for Environmentally Benign Processing of Rigidly Regular nâ€type Polymeric Semiconductors. Advanced Electronic Materials, 2021, 7, 2100526.	2.6	6
23	Carbon nanotube-based van der Waals heterojunction electrodes for high-performance intrinsically stretchable organic photoelectric transistors. Giant, 2021, 7, 100060.	2.5	7
24	Functional biochar for efficient residue treatment of sulfonylurea herbicides by weak molecular interaction. Biochar, 2021, 3, 545-556.	6.2	7
25	Synthesis of Two-Dimensional Câ€“C Bonded Truxene-Based Covalent Organic Frameworks by Irreversible BrÃ¸nsted Acid-Catalyzed Aldol Cyclotrimerization. Research, 2021, 2021, 9790705.	2.8	4
26	Regulation of the backbone structure and optoelectrical properties of bis-pyridal[2,1,3]thiadiazole-based ambipolar semiconducting polymers via a fluorination strategy. Journal of Materials Chemistry C, 2021, 9, 15083-15094.	2.7	7
27	Resistance Switching Behavior of a Perhydropolysilazane-Derived SiOx-Based Memristor. Journal of Physical Chemistry Letters, 2021, 12, 10728-10734.	2.1	11
28	Aldol Polymerization to Construct Half-Fused Semiconducting Polymers. Macromolecules, 2021, 54, 10312-10320.	2.2	15
29	When Flexible Organic Fieldâ€Effect Transistors Meet Biomimetics: A Prospective View of the Internet of Things. Advanced Materials, 2020, 32, e1901493.	11.1	136
30	Room-Temperature, Solution-Processed SiO_x via Photochemistry Approach for Highly Flexible Resistive Switching Memory. ACS Applied Materials & Interfaces, 2020, 12, 56186-56194.	4.0	19
31	Flexible Monolayer Molecular Crystalâ€Field Effect Transistors for Ultrasensitive and Selective Detection of Dimethoate. Advanced Electronic Materials, 2020, 6, 2000579.	2.6	22
32	Design and Synthesis of Annulated Benzothiadiazoles via Dithiolate Formation for Ambipolar Organic Semiconductors. ACS Applied Materials & Interfaces, 2020, 12, 53328-53341.	4.0	3
33	Application of organic field-effect transistors in memory. Materials Chemistry Frontiers, 2020, 4, 2845-2862.	3.2	40
34	Organostannane-free polycondensation and eco-friendly processing strategy for the design of semiconducting polymers in transistors. Materials Horizons, 2020, 7, 1955-1970.	6.4	24
35	Methoxylation of quinoidal bithiophene as a single regioisomer building block for narrow-bandgap conjugated polymers and high-performance organic field-effect transistors. Journal of Materials Chemistry C, 2020, 8, 15168-15174.	2.7	18
36	Organic photodiodes for near-infrared light detection. Semiconductor Science and Technology, 2020, 35, 114001.	1.0	12

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37	Research Progress in Functional Stretchable Organic Electronic Devices. Acta Chimica Sinica, 2020, 78, 848.	0.5	14
38	Low Band Gap Donorâ€“Acceptor Conjugated Polymers with Indanone-Condensed Thiadiazolo[3,4-g]quinoxaline Acceptors. Macromolecules, 2019, 52, 6149-6159.	2.2	38
39	Recent progress in stretchable organic field-effect transistors. Science China Technological Sciences, 2019, 62, 1255-1276.	2.0	18
40	Investigation of Electrode Electrochemical Reactions in CH₃NH₃PbBr₃ Perovskite Singleâ€Crystal Fieldâ€Effect Transistors. Advanced Materials, 2019, 31, e1902618.	11.1	74
41	A Flexible Acetylcholinesterase-Modified Graphene for Chiral Pesticide Sensor. Journal of the American Chemical Society, 2019, 141, 14643-14649.	6.6	67
42	Exploration of Near-Infrared Organic Photodetectors. Chemistry of Materials, 2019, 31, 6359-6379.	3.2	189
43	Improving the Electronic Transporting Property for Flexible Field-Effect Transistors with Naphthalene Diimide-Based Conjugated Polymer through Branching/Linear Side-Chain Engineering Strategy. ACS Applied Materials & Interfaces, 2019, 11, 15837-15844.	4.0	32
44	Highâ€Performance Ambipolar Polymers Based on Electronâ€Withdrawing Group Substituted Bayâ€Annulated Indigo. Advanced Functional Materials, 2019, 29, 1804839.	7.8	29
45	Chemical Formation and Multiple Applications of Organicâ€“Inorganic Hybrid Perovskite Materials. Journal of the American Chemical Society, 2019, 141, 1406-1414.	6.6	61
46	Design and synthesis of high performance Ï€-conjugated materials through antiaromaticity and quinoid strategy for organic field-effect transistors. Materials Science and Engineering Reports, 2019, 136, 13-26.	14.8	72
47	Fast Deposition of Aligning Edgeâ€On Polymers for Highâ€Mobility Ambipolar Transistors. Advanced Materials, 2019, 31, e1805761.	11.1	70
48	Highly Sensitive Fieldâ€Effect Ammonia/Amine Sensors with Low Driving Voltage Based on Low Bandgap Polymers. Advanced Electronic Materials, 2018, 4, 1800025.	2.6	18
49	Copolymers of Bis-Diketopyrrolopyrrole and Benzothiadiazole Derivatives for High-Performance Ambipolar Field-Effect Transistors on Flexible Substrates. ACS Applied Materials & Interfaces, 2018, 10, 25858-25865.	4.0	27
50	Acid-Responsive Conductive Nanofiber of Tetrabenzoporphyrin Made by Solution Processing. Journal of the American Chemical Society, 2018, 140, 62-65.	6.6	24
51	NIR polymers and phototransistors. Journal of Materials Chemistry C, 2018, 6, 13049-13058.	2.7	25
52	Neuromorphic Devices: A Ferroelectric/Electrochemical Modulated Organic Synapse for Ultraflexible, Artificial Visual-Perception System (Adv. Mater. 46/2018). Advanced Materials, 2018, 30, 1870349.	11.1	6
53	A Ferroelectric/Electrochemical Modulated Organic Synapse for Ultraflexible, Artificial Visualâ€Perception System. Advanced Materials, 2018, 30, e1803961.	11.1	292
54	Insight into High-Performance Conjugated Polymers for Organic Field-Effect Transistors. CheM, 2018, 4, 2748-2785.	5.8	313

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55	Triple Acceptors in a Polymeric Architecture for Balanced Ambipolar Transistors and Highâ€Gain Inverters. Advanced Materials, 2018, 30, e1801951.	11.1	32
56	Asymmetrical Small Molecule Acceptor Enabling Nonfullerene Polymer Solar Cell with Fill Factor Approaching 79%. ACS Energy Letters, 2018, 3, 1760-1768.	8.8	102
57	Organic Field-Effect Transistors: Triple Acceptors in a Polymeric Architecture for Balanced Ambipolar Transistors and High-Gain Inverters (Adv. Mater. 32/2018). Advanced Materials, 2018, 30, 1870241.	11.1	0
58	Novel benzo[c][1,2,5]oxadiazole-naphthalenediimide based copolymer for high-performance air-stable n-type field-effect transistors exhibiting high electron mobility of 2.43 cm² V^{â^'1} s^{â^'1â€‰}. Journal of Materials Chemistry C, 2017, 5, 2892-2898.	2.7	21
59	A Retinaâ€Like Dual Band Organic Photosensor Array for Filterâ€Free Nearâ€Infraredâ€toâ€Memory Operations. Advanced Materials, 2017, 29, 1701772.	11.1	95
60	Citric Acid Modulated Growth of Oriented Lead Perovskite Crystals for Efficient Solar Cells. Journal of the American Chemical Society, 2017, 139, 9598-9604.	6.6	77
61	Bisâ€Diketopyrrolopyrrole Moiety as a Promising Building Block to Enable Balanced Ambipolar Polymers for Flexible Transistors. Advanced Materials, 2017, 29, 1606162.	11.1	99
62	Highâ€Performance, Airâ€Stable Fieldâ€Effect Transistors Based on Heteroatomâ€Substituted Naphthalenediimideâ€Benzothiadiazole Copolymers Exhibiting Ultrahigh Electron Mobility up to 8.5 cm V^{â^'1} s^{â^'1}. Advanced Materials, 2017, 29, 1602410.	11.1	187
63	Effects of water on the forward and backward conversions of lead(<scp>ii</scp>) iodide to methylammonium lead perovskite. Journal of Materials Chemistry A, 2017, 5, 23815-23821.	5.2	15
64	Photosensors: A Retinaâ€Like Dual Band Organic Photosensor Array for Filterâ€Free Nearâ€Infraredâ€toâ€Memory Operations (Adv. Mater. 32/2017). Advanced Materials, 2017, 29, .	11.1	8
65	Engineering of Amorphous Polymeric Insulators for Organic Fieldâ€Effect Transistors. Advanced Electronic Materials, 2017, 3, 1700157.	2.6	38
66	Isoindigoâ€Based Polymers with Small Effective Masses for Highâ€Mobility Ambipolar Fieldâ€Effect Transistors. Advanced Materials, 2017, 29, 1702115.	11.1	115
67	Regioregular Bis-Pyridal[2,1,3]thiadiazole-Based Semiconducting Polymer for High-Performance Ambipolar Transistors. Journal of the American Chemical Society, 2017, 139, 17735-17738.	6.6	115
68	Design and effective synthesis methods for high-performance polymer semiconductors in organic field-effect transistors. Materials Chemistry Frontiers, 2017, 1, 2423-2456.	3.2	106
69	Local Time-Dependent Charging in a Perovskite Solar Cell. ACS Applied Materials & Interfaces, 2016, 8, 19402-19409.	4.0	109
70	Active Morphology Control for Concomitant Long Distance Spin Transport and Photoresponse in a Single Organic Device. Advanced Materials, 2016, 28, 2609-2615.	11.1	77
71	Sulfamic Acid-Catalyzed Lead Perovskite Formation for Solar Cell Fabrication on Glass or Plastic Substrates. Journal of the American Chemical Society, 2016, 138, 5410-5416.	6.6	86
72	Three-Dimensionally Homoconjugated Carbon-Bridged Oligophenylenevinylene for Perovskite Solar Cells. Journal of the American Chemical Society, 2016, 138, 10897-10904.	6.6	34

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73	Tailoring molecular weight of polymeric dielectric to enhance electron and hole mobilities in polymer field-effect transistors. Polymer, 2016, 99, 496-502.	1.8	6
74	Flexible organic-inorganic hybrid perovskite solar cells. Science China Materials, 2016, 59, 495-506.	3.5	7
75	n-Type doping for efficient polymeric electron-transporting layers in perovskite solar cells. Journal of Materials Chemistry A, 2016, 4, 18852-18856.	5.2	44
76	Preface: innovative flexible energy. Science China Materials, 2016, 59, 409-409.	3.5	1
77	Polymer Stabilization of Lead(II) Perovskite Cubic Nanocrystals for Semitransparent Solar Cells. Advanced Energy Materials, 2016, 6, 1502317.	10.2	168
78	Chemical Pathways Connecting Lead(II) Iodide and Perovskite via Polymeric Plumbate(II) Fiber. Journal of the American Chemical Society, 2015, 137, 15907-15914.	6.6	223
79	Air-Stable and Solution-Processable Perovskite Photodetectors for Solar-Blind UV and Visible Light. Journal of Physical Chemistry Letters, 2015, 6, 535-539.	2.1	265
80	Single-Walled Carbon Nanotube Film as Electrode in Indium-Free Planar Heterojunction Perovskite Solar Cells: Investigation of Electron-Blocking Layers and Dopants. Nano Letters, 2015, 15, 6665-6671.	4.5	179
81	Transistors: Inkjet Printing Shortâ€Channel Polymer Transistors with Highâ€Performance and Ultrahigh Photoresponsivity (Adv. Mater. 27/2014). Advanced Materials, 2014, 26, 4752-4752.	11.1	1
82	Selfâ€Aligned Singleâ€Crystal Graphene Grains. Advanced Functional Materials, 2014, 24, 1664-1670.	7.8	47
83	Controllable fabrication of ultrathin free-standing graphene films. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20130017.	1.6	16
84	â€œRegioselective Depositionâ€•Method to Pattern Silver Electrodes Facilely and Efficiently with High Resolution: Towards Allâ€Solutionâ€Processed, Highâ€Performance, Bottomâ€Contacted, Flexible, Polymerâ€Based Electronics. Advanced Functional Materials, 2014, 24, 3783-3789.	7.8	29
85	Nearâ€Equilibrium Chemical Vapor Deposition of Highâ€Quality Singleâ€Crystal Graphene Directly on Various Dielectric Substrates. Advanced Materials, 2014, 26, 1348-1353.	11.1	132
86	Graphene: Near-Equilibrium Chemical Vapor Deposition of High-Quality Single-Crystal Graphene Directly on Various Dielectric Substrates (Adv. Mater. 9/2014). Advanced Materials, 2014, 26, 1471-1471.	11.1	1
87	Mobility of Long-Lived Fullerene Radical in Solid State and Nonlinear Temperature Dependence. Journal of the American Chemical Society, 2014, 136, 3366-3369.	6.6	19
88	Highâ€performance fieldâ€effect transistors based on furanâ€containing diketopyrrolopyrrole copolymer under a mild annealing temperature. Journal of Polymer Science Part A, 2014, 52, 1970-1977.	2.5	16
89	Tuning the light response of organic field-effect transistors using fluorographene nanosheets as an interface modification layer. Journal of Materials Chemistry C, 2014, 2, 6484.	2.7	22
90	Inkjet Printing Shortâ€Channel Polymer Transistors with Highâ€Performance and Ultrahigh Photoresponsivity. Advanced Materials, 2014, 26, 4683-4689.	11.1	82

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91	Flexible, Lowâ€Voltage and Highâ€Performance Polymer Thinâ€Film Transistors and Their Application in Photo/Thermal Detectors. Advanced Materials, 2014, 26, 3631-3636.	11.1	107
92	Organic Electronics: â€œRegioselective Depositionâ€•Method to Pattern Silver Electrodes Facilely and Efficiently with High Resolution: Towards All-Solution-Processed, High-Performance,		

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109	Extended Ï€-Conjugated Molecules Derived from Naphthalene Diimides toward Organic Emissive and Semiconducting Materials. Journal of Organic Chemistry, 2013, 78, 2926-2934.	1.7	48
110	Fractal Etching of Graphene. Journal of the American Chemical Society, 2013, 135, 6431-6434.	6.6	140
111	Reduction of graphene oxide to highly conductive graphene by Lawesson's reagent and its electrical applications. Journal of Materials Chemistry C, 2013, 1, 3104.	2.7	150
112	Graphene-coated silica as a highly efficient sorbent for residual organophosphorus pesticides in water. Journal of Materials Chemistry A, 2013, 1, 1875-1884.	5.2	133
113	Gramâ€Scale Synthesis of Graphene Sheets by a Catalytic Arcâ€Discharge Method. Small, 2013, 9, 1330-1335.	5.2	49
114	Ultrasensitive and selective sensing of heavy metal ions with modified graphene. Chemical Communications, 2013, 49, 6492.	2.2	76
115	Synthesis and characterization of phenanthrocarbazoleâ€“diketopyrrolopyrrole copolymer for highâ€performance fieldâ€effect transistors. Journal of Polymer Science Part A, 2013, 51, 2208-2215.	2.5	18
116	Self-organized graphene crystal patterns. NPG Asia Materials, 2013, 5, e36-e36.	3.8	153
117	One-Pot Microbial Method to Synthesize Dual-Doped Graphene and Its Use as High-Performance Electrocatalyst. Scientific Reports, 2013, 3, 3499.	1.6	53
118	Large-area, flexible imaging arrays constructed by light-charge organic memories. Scientific Reports, 2013, 3, 1080.	1.6	92
119	Substrateâ€Free Ultraâ€Flexible Organic Fieldâ€Effect Transistors and Fiveâ€Stage Ring Oscillators. Advanced Materials, 2013, 25, 5455-5460.	11.1	106
120	Graphene: Twoâ€Stage Metalâ€Catalystâ€Free Growth of Highâ€Quality Polycrystalline Graphene Films on Silicon Nitride Substrates (Adv. Mater. 7/2013). Advanced Materials, 2013, 25, 938-938.	11.1	4
121	Diketopyrrolopyrrole-Based Ï€-Conjugated Copolymer Containing Î²-Unsubstituted Quintetthiophene Unit: A Promising Material Exhibiting High Hole-Mobility for Organic Thin-Film Transistors. Chemistry of Materials, 2012, 24, 4350-4356.	3.2	85
122	Dibenzoannelated Tetrathienoacene: Synthesis, Characterization, and Applications in Organic Field-Effect Transistors. Organic Letters, 2012, 14, 3300-3303.	2.4	52
123	Diketopyrrolopyrrole-Containing Quinoidal Small Molecules for High-Performance, Air-Stable, and Solution-Processable n-Channel Organic Field-Effect Transistors. Journal of the American Chemical Society, 2012, 134, 4084-4087.	6.6	280
124	Phenanthro[1,10,9,8-cdefg]carbazole-containing copolymer for high performance thin-film transistors and polymer solar cells. Journal of Materials Chemistry, 2012, 22, 3696.	6.7	26
125	Lowering programmed voltage of organic memory transistors based on polymer gate electrets through heterojunction fabrication. Organic Electronics, 2012, 13, 1969-1974.	1.4	31
126	Production of Graphite Chloride and Bromide Using Microwave Sparks. Scientific Reports, 2012, 2, 662.	1.6	125

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127	An expedient synthesis of fused heteroacenes bearing a pyrrolo[3,2-b]pyrrole core. Chemical Communications, 2012, 48, 12225.	2.2	62
128	Synthesis, Structures, and Properties of Thieno[3,2-b]thiophene and Dithiophene Bridged Isoindigo Derivatives and Their Organic Field-effect Transistors Performance. Journal of Physical Chemistry C, 2012, 116, 22655-22662.	1.5	28
129	New tetrathiafulvalene fused-naphthalene diimides for solution-processible and air-stable p-type and ambipolar organic semiconductors. Chemical Science, 2012, 3, 2530.	3.7	67
130	A stable solution-processed polymer semiconductor with record high-mobility for printed transistors. Scientific Reports, 2012, 2, 754.	1.6	800
131	Organozinc Compounds as Effective Dielectric Modification Layers for Polymer Fieldâ€Effect Transistors. Advanced Functional Materials, 2012, 22, 4139-4148.	7.8	12
132	Multilayer Grapheneâ€Coated Atomic Force Microscopy Tips for Molecular Junctions. Advanced Materials, 2012, 24, 3482-3485.	11.1	31
133	Highly Ï€â€Extended Copolymers with Diketopyrrolopyrrole Moieties for Highâ€Performance Fieldâ€Effect Transistors. Advanced Materials, 2012, 24, 4618-4622.	11.1	707
134	Multilayer Graphene-Coated Atomic Force Microscopy Tips for Molecular Junctions (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	11.1	1
135	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
136	Low Temperature Growth of Highly Nitrogen-Doped Single Crystal Graphene Arrays by Chemical Vapor Deposition. Journal of the American Chemical Society, 2012, 134, 11060-11063.	6.6	287
137	A simple nickel bis(dithiolene) complex as an excellent n-type molecular semiconductor for field-effect transistors. Chemical Communications, 2012, 48, 9965.	2.2	23
138	Inkjet Printing Highâ€Resolution, Largeâ€Area Graphene Patterns by Coffeeâ€Ring Lithography. Advanced Materials, 2012, 24, 436-440.	11.1	154
139	Quantitative Analysis of the Role of the First Layer in pâ€•and nâ€Type Organic Fieldâ€Effect Transistors with Graphene Electrodes. Advanced Materials, 2012, 24, 1471-1475.	11.1	7
140	New air-stable solution-processed organic n-type semiconductors based on sulfur-rich core-expanded naphthalene diimides. Journal of Materials Chemistry, 2011, 21, 18042.	6.7	39
141	Oxygen-Aided Synthesis of Polycrystalline Graphene on Silicon Dioxide Substrates. Journal of the American Chemical Society, 2011, 133, 17548-17551.	6.6	315
142	Synthesis and Characterization of Novel Semiconductors Based on Thieno[3,2-b][1]benzothiophene Cores and Their Applications in the Organic Thin-Film Transistors. Journal of Physical Chemistry C, 2011, 115, 23984-23991.	1.5	30
143	Experimental Techniques for the Fabrication and Characterization of Organic Thin Films for Field-Effect Transistors. Chemical Reviews, 2011, 111, 3358-3406.	23.0	241
144	Production of graphene nanospheres by annealing of graphene oxide in solution. Nano Research, 2011, 4, 705-711.	5.8	17

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145	Ultrahigh density modulation of aligned single-walled carbon nanotube arrays. Nano Research, 2011, 4, 931-937.	5.8	17
146	Synthesis of large-area, few-layer graphene on iron foil by chemical vapor deposition. Nano Research, 2011, 4, 1208-1214.	5.8	120
147	Interfacial Heterogeneity of Surface Energy in Organic Fieldâ€Effect Transistors. Advanced Materials, 2011, 23, 1009-1014.	11.1	60
148	Allâ€Solutionâ€Processed, Highâ€Performance nâ€Channel Organic Transistors and Circuits: Toward Lowâ€Cost Ambient Electronics. Advanced Materials, 2011, 23, 2448-2453.	11.1	172
149	Production of Highâ€Quality Carbon Nanoscrolls with Microwave Spark Assistance in Liquid Nitrogen. Advanced Materials, 2011, 23, 2460-2463.	11.1	104
150	Morphology Optimization for the Fabrication of High Mobility Thinâ€Film Transistors. Advanced Materials, 2011, 23, 3128-3133.	11.1	55
151	Equiangular Hexagonâ€Shapeâ€Controlled Synthesis of Graphene on Copper Surface. Advanced Materials, 2011, 23, 3522-3525.	11.1	173
152	Electrical Assembly and Reduction of Graphene Oxide in a Single Solution Step for Use in Flexible Sensors. Advanced Materials, 2011, 23, 4626-4630.	11.1	93
153	Organic Thin-Film Transistors: Interfacial Heterogeneity of Surface Energy in Organic Field-Effect Transistors (Adv. Mater. 8/2011). Advanced Materials, 2011, 23, 1008-1008.	11.1	0
154	Highâ€Performance Phototransistors Based on Organic Microribbons Prepared by a Solution Selfâ€Assembly Process. Advanced Functional Materials, 2010, 20, 1019-1024.	7.8	119
155	Solventâ€Assisted Reâ€annealing of Polymer Films for Solutionâ€Processable Organic Fieldâ€Effect Transistors. Advanced Materials, 2010, 22, 1273-1277.	11.1	54
156	Topâ€Gate Organic Thinâ€Film Transistors Constructed by a General Lamination Approach. Advanced Materials, 2010, 22, 3537-3541.	11.1	47
157	Functional Organic Fieldâ€Effect Transistors. Advanced Materials, 2010, 22, 4427-4447.	11.1	526
158	Organic FETs: Functional Organic Field-Effect Transistors (Adv. Mater. 40/2010). Advanced Materials, 2010, 22, n/a-n/a.	11.1	0
159	Undoped, red organic light-emitting diodes based on a N,N,Nâ€™,Nâ€™-tetraphenylbenzidine (TPD) derivative as red emitter with a triphenylamine derivative as hole-transporting layer. Dyes and Pigments, 2010, 84, 203-207.	2.0	21
160	General Route toward Patterning of Graphene Oxide by a Combination of Wettability Modulation and Spin-Coating. ACS Nano, 2010, 4, 5749-5754.	7.3	62
161	High quality graphene with large flakes exfoliated by oleyl amine. Chemical Communications, 2010, 46, 5728.	2.2	63
162	Design, Synthesis, and Properties of Asymmetrical Heteroacene and Its Application in Organic Electronics. Journal of Physical Chemistry C, 2010, 114, 10565-10571.	1.5	64

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163	Fused-seven-ring anthracene derivative with two sulfur bridges for high performance red organic light-emitting diodes. Chemical Communications, 2010, 46, 8573.	2.2	32
164	Synthesis, self-assembly, and solution-processed nanoribbon field-effect transistor of a fused-nine-ring thienoacene. Chemical Communications, 2010, 46, 2841.	2.2	35
165	A New Carbazoleâ€Constructed Hyperbranched Polymer: Convenient Oneâ€Pot Synthesis, Holeâ€Transporting Ability, and Fieldâ€Effect Transistor Properties. Advanced Functional Materials, 2009, 19, 2677-2683.	7.8	54
166	Multibit Storage of Organic Thinâ€Film Fieldâ€Effect Transistors. Advanced Materials, 2009, 21, 1954-1959.	11.1	178
167	Improvements in Stability and Performance of N,Nâ€²â€Dialkyl Perylene Diimideâ€Based nâ€Type Thinâ€Film Transistors. Advanced Materials, 2009, 21, 1631-1635.	11.1	90
168	Asymmetrical Fluorene[2,3â€b]benzo[d]thiophene Derivatives: Synthesis, Solidâ€State Structures, and Application in Solutionâ€Processable Organic Lightâ€Emitting Diodes. Chemistry - A European Journal, 2009, 15, 8275-8282.	1.7	27
169	Low bandgap Ï€â€conjugated copolymers based on fused thiophenes and benzothiadiazole: Synthesis and structureâ€property relationship study. Journal of Polymer Science Part A, 2009, 47, 5498-5508.	2.5	100
170	Effect of substituents on electronic properties, thin film structure and device performance of dithienothiopheneâ€“phenylene cooligomers. Thin Solid Films, 2009, 517, 2968-2973.	0.8	14
171	Synthesis, Self-Assembly and Solution-Processed Field-Effect Transistors of a Liquid Crystalline Bis(dithienothiophene) Derivative. Journal of Physical Chemistry C, 2009, 113, 16232-16237.	1.5	17
172	Selective Crystallization of Organic Semiconductors for High Performance Organic Field-Effect Transistors. Chemistry of Materials, 2009, 21, 4873-4879.	3.2	16
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