

Chuan Liu

List of Publications by Year in descending order

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papers

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117453

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all docs

132
docs citations

132
times ranked

6155
citing authors

#	ARTICLE	IF	CITATIONS
1	Widely Adjusting the Breakdown Voltages of Kilo-Voltage Thin Film Transistors. IEEE Electron Device Letters, 2022, 43, 240-243.	2.2	2
2	On the Current Saturation of Vertical Transistors With Conductive Network Electrodes. IEEE Transactions on Electron Devices, 2022, 69, 248-253.	1.6	3
3	A dynamic and quantitative biosensing assessment for electroporated membrane evolution of cardiomyocytes. Biosensors and Bioelectronics, 2022, 202, 114016.	5.3	4
4	How Materials and Device Factors Determine the Performance: A Unified Solution for Transistors with Nontrivial Gates and Transistor-Driven Diode Hybrid Integration. Advanced Science, 2022, 9, e2104896.	5.6	12
5	C-Doped KNbO ₃ single crystals for enhanced piezocatalytic intermediate water splitting. Environmental Science: Nano, 2022, 9, 1952-1960.	2.2	13
6	In situ integration of Te/Si 2D/3D heterojunction photodetectors toward UV-vis-IR ultra-broadband photoelectric technologies. Nanoscale, 2022, 14, 6228-6238.	2.8	9
7	Drain Current Drop in Oxide Semiconductor Thin-Film Transistors: The Mechanisms and a Solution. IEEE Transactions on Electron Devices, 2022, 69, 2430-2435.	1.6	2
8	Robust route to photocatalytic nitrogen fixation mediated by capitalizing on defect-tailored InVO ₄ nanosheets. Environmental Science: Nano, 2022, 9, 1996-2005.	2.2	13
9	A New Strategy to Fabricate Nanoporous Gold and Its Application in Photodetector. Nanomaterials, 2022, 12, 1580.	1.9	1
10	High-Performance Deep Red Colloidal Quantum Well Light-Emitting Diodes Enabled by the Understanding of Charge Dynamics. ACS Nano, 2022, 16, 10840-10851.	7.3	21
11	Ion transport to temperature and gate in organic electrochemical transistors with anti-freezing hydrogel. Organic Electronics, 2022, 108, 106605.	1.4	1
12	Pixellated Perovskite Photodiode on IGZO Thin Film Transistor Backplane for Low Dose Indirect X-Ray Detection. IEEE Journal of the Electron Devices Society, 2021, 9, 96-101.	1.2	11
13	Visible-light-stimulated synaptic InGaZnO phototransistors enabled by wavelength-tunable perovskite quantum dots. Nanoscale Advances, 2021, 3, 5046-5052.	2.2	13
14	A high endurance, temperature-resilient, and robust organic electrochemical transistor for neuromorphic circuits. Journal of Materials Chemistry C, 2021, 9, 11801-11808.	2.7	12
15	Organic crystalline monolayers for ideal behaviours in organic field-effect transistors. Journal of Materials Chemistry C, 2021, 9, 12057-12062.	2.7	3
16	Wafer-scale single crystals: crystal growth mechanisms, fabrication methods, and functional applications. Journal of Materials Chemistry C, 2021, 9, 7829-7851.	2.7	11
17	Revealing Charge Transport and Device Operations of Organic Ambipolar Transistors and Inverters by Four-Probe Measurement. Advanced Electronic Materials, 2021, 7, 2001134.	2.6	4
18	Paper 1.10: Mobility identification in oxide field-effect transistor. Digest of Technical Papers SID International Symposium, 2021, 52, 439-439.	0.1	0

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19	Gradient Descent on Multilevel Spinâ€“Orbit Synapses with Tunable Variations. <i>Advanced Intelligent Systems</i> , 2021, 3, 2000182.	3.3	18
20	Blue Molecular Emitter-Free and Doping-Free White Organic Light-Emitting Diodes With High Color Rendering. <i>IEEE Electron Device Letters</i> , 2021, 42, 387-390.	2.2	22
21	Study of Microwave-Induced Ag Nanowire Welding for Soft Electrode Conductivity Enhancement. <i>Micromachines</i> , 2021, 12, 618.	1.4	5
22	Sub-5 nm single crystalline organic pâ€“n heterojunctions. <i>Nature Communications</i> , 2021, 12, 2774.	5.8	39
23	Layerâ€“Byâ€“Layer Printing Strategy for Highâ€“Performance Flexible Electronic Devices with Lowâ€“Temperature Catalyzed Solutionâ€“Processed SiO ₂ . <i>Small Methods</i> , 2021, 5, 2100263.	4.6	8
24	Novel Portable Sensing System with Integrated Multifunctionality for Accurate Detection of Salivary Uric Acid. <i>Biosensors</i> , 2021, 11, 242.	2.3	6
25	Sensitive, Stretchable, and Breathable Pressure Sensors Based on Medical Gauze Integrated with Silver Nanowires and Elastomers. <i>ACS Applied Nano Materials</i> , 2021, 4, 8273-8281.	2.4	21
26	Layerâ€“Byâ€“Layer Printing Strategy for Highâ€“Performance Flexible Electronic Devices with Lowâ€“Temperature Catalyzed Solutionâ€“Processed SiO ₂ (Small Methods 8/2021). <i>Small Methods</i> , 2021, 5, 2170038.	4.6	0
27	Pâ€“1.6: Characteristics of High Voltage Corbino aâ€“IGZO Thinâ€“film Transistor. <i>Digest of Technical Papers SID International Symposium</i> , 2021, 52, 695-695.	0.1	0
28	Pâ€“1.8: A 3â€“Probe Approach to Study Dynamic Operation in High Voltage Thin Film Transistors. <i>Digest of Technical Papers SID International Symposium</i> , 2021, 52, 699-699.	0.1	0
29	Vacancy engineering in nanostructured semiconductors for enhancing photocatalysis. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17143-17172.	5.2	66
30	Back-Channel-Etched IGZO TFTs With Cu-Based Multilayer Electrodes Using MoAl Alloy and MoMn Alloy as Buffer Layers. <i>IEEE Transactions on Electron Devices</i> , 2021, 68, 6202-6207.	1.6	1
31	Tunable self-organization in n-type liquid crystalline dibenzocoronene tetracarboxdiimides for high photoconductivity. <i>Liquid Crystals</i> , 2020, 47, 291-300.	0.9	7
32	Understanding, Optimizing, and Utilizing Nonideal Transistors Based on Organic or Organic Hybrid Semiconductors. <i>Advanced Functional Materials</i> , 2020, 30, 1903889.	7.8	49
33	Generalized Gated Four-Probe Method for Intrinsic Mobility Extraction With Van Der Pauw Structure. <i>IEEE Electron Device Letters</i> , 2020, 41, 244-247.	2.2	3
34	Oxide semiconductor thin-film transistors with nano-splitting and field-surrounding channels fabricated by subwavelength photolithography. <i>JPhys Materials</i> , 2020, 3, 015010.	1.8	0
35	Spinâ€“Onâ€“Patterning of Snâ€“Pb Perovskite Photodiodes on IGZO Transistor Arrays for Fast Activeâ€“Matrix Nearâ€“Infrared Imaging. <i>Advanced Materials Technologies</i> , 2020, 5, 1900752.	3.0	21
36	Ultrahigh Sensitivity of Flexible Thermistors Based on 3D Porous Graphene Characterized by Imbedded Microheaters. <i>Advanced Electronic Materials</i> , 2020, 6, 2000451.	2.6	7

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37	Butadiyne-Bridged (Porphinato)Zinc(II) Chromophores Assemble into Free-Standing Nanosheets. <i>Organometallics</i> , 2020, 39, 2984-2990.	1.1	4
38	Inhibited-nanophase-separation modulated polymerization for recoverable ultrahigh-strain biobased shape memory polymers. <i>Materials Horizons</i> , 2020, 7, 2760-2767.	6.4	10
39	31 ^Å 2: Invited Paper: Nanostructures Oxide Thin-Film Transistors Fabricated by Near-Field Nanolithography with Enhanced Device Performance. <i>Digest of Technical Papers SID International Symposium</i> , 2020, 51, 448-451.	0.1	0
40	Photovoltage-Coupled Dual-Gate InGaZnO Thin-Film Transistors Operated at the Subthreshold Region for Low-Power Photodetection. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1745-1751.	2.0	4
41	Nonideal Transistors: Understanding, Optimizing, and Utilizing Nonideal Transistors Based on Organic or Organic Hybrid Semiconductors (<i>Adv. Funct. Mater.</i> 20/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070129.	7.8	2
42	Vertical Transistors with Conductive-Network Electrodes: A Physical Image and What It Tells. <i>Physical Review Applied</i> , 2020, 13, .	1.5	4
43	Surface Modifications of an Organic Polymer-Based Microwire Platform for Sustained Release of an Anti-Inflammatory Drug. <i>ACS Applied Bio Materials</i> , 2020, 3, 4613-4625.	2.3	2
44	Optimization of PMMA:PCBM Interlayer for MAPbI ₃ /IGZO Phototransistor. , 2020, , .		1
45	Evidence for Pseudocapacitance and Faradaic Charge Transfer in High-Mobility Thin-Film Transistors with Solution-Processed Oxide Dielectrics. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2765-2771.	2.1	23
46	Degradation Mechanism of Perovskite Light-Emitting Diodes: An In Situ Investigation via Electroabsorption Spectroscopy and Device Modelling. <i>Advanced Functional Materials</i> , 2020, 30, 1910464.	7.8	41
47	From Unipolar, WORM-Type to Ambipolar, Bistable Organic Electret Memory Device by Controlling Minority Lateral Transport. <i>Advanced Electronic Materials</i> , 2020, 6, 1901320.	2.6	15
48	Oxygen incorporated solution-processed high- κ La ₂ O ₃ dielectrics with large-area uniformity, low leakage and high breakdown field comparable with ALD deposited films. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5163-5173.	2.7	8
49	Dual Conductive Network Hydrogel for a Highly Conductive, Self-Healing, Anti-Freezing, and Non-Drying Strain Sensor. <i>ACS Applied Polymer Materials</i> , 2020, 2, 996-1005.	2.0	170
50	A Molecular Strategy to Lock in the Conformation of a Perylene Bisimide-Derived Supramolecular Polymer. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7487-7493.	7.2	25
51	A Molecular Strategy to Lock in the Conformation of a Perylene Bisimide-Derived Supramolecular Polymer. <i>Angewandte Chemie</i> , 2020, 132, 7557-7563.	1.6	5
52	Kilo-Voltage Thin-Film Transistors for Driving Nanowire Field Emitters. <i>IEEE Electron Device Letters</i> , 2020, 41, 405-408.	2.2	21
53	Constructing Electrophoretic Displays on Foldable Paper-Based Electrodes by a Facile Transferring Method. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1335-1342.	2.0	13
54	Probing Coulomb Interactions on Charge Transport in Few-Layer Organic Crystalline Semiconductors by the Gated van der Pauw Method. <i>Advanced Electronic Materials</i> , 2020, 6, 2000136.	2.6	7

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55	Thin-Film Transistors With the Fringe Effect and the Correction Factor for Mobility Extraction. IEEE Electron Device Letters, 2019, 40, 897-900.	2.2	14
56	Three-Dimensional-Structured Boron- and Nitrogen-Doped Graphene Hydrogel Enabling High-Sensitivity NO ₂ Detection at Room Temperature. ACS Sensors, 2019, 4, 1889-1898.	4.0	58
57	Enhanced UV-visible detection of InGaZnO phototransistors via CsPbBr ₃ quantum dots. Semiconductor Science and Technology, 2019, 34, 125013.	1.0	25
58	Narrow Bandgap Pb-Sn Perovskites/InGaZnO Hybrid Phototransistors for Near-Infrared Detection. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900417.	0.8	13
59	Multifunctional and High-Sensitive Sensor Capable of Detecting Humidity, Temperature, and Flow Stimuli Using an Integrated Microheater. ACS Applied Materials & Interfaces, 2019, 11, 43383-43392.	4.0	64
60	Doping Effects of Various Carrier Suppressing Elements on Solution-Processed SnO _x -Based Thin-Film Transistors. IEEE Transactions on Electron Devices, 2019, 66, 3371-3375.	1.6	8
61	Orders-of-magnitude enhancement in conductivity tuning in InGaZnO thin-film transistors via SiN _x passivation and dual-gate modulation. Journal of Information Display, 2019, 20, 161-167.	2.1	3
62	An intrinsically stretchable humidity sensor based on anti-drying, self-healing and transparent organohydrogels. Materials Horizons, 2019, 6, 595-603.	6.4	297
63	Fabrication of Two-Dimensional Crystalline Organic Films by Tilted Spin Coating for High-Performance Organic Field-Effect Transistors. ACS Applied Materials & Interfaces, 2019, 11, 7226-7234.	4.0	24
64	Reduced graphene oxide-induced crystallization of CuPc interfacial layer for high performance of perovskite photodetectors. RSC Advances, 2019, 9, 3800-3808.	1.7	14
65	A General Approach to Probe Dynamic Operation and Carrier Mobility in Field-Effect Transistors with Nonuniform Accumulation. Advanced Functional Materials, 2019, 29, 1901700.	7.8	22
66	Nanostructured High-Performance Thin-Film Transistors and Phototransistors Fabricated by a High-Yield and Versatile Near-Field Nanolithography Strategy. ACS Nano, 2019, 13, 6618-6630.	7.3	15
67	Rapid Laser Annealing of Silver Electrodes for Printing Organic Thin-Film Transistors on Plastic Substrates. IEEE Transactions on Electron Devices, 2019, 66, 2729-2734.	1.6	7
68	Enhanced UV-C Detection of Perovskite Photodetector Arrays via Inorganic CsPbBr ₃ Quantum Dot Down-Conversion Layer. Advanced Optical Materials, 2019, 7, 1801812.	3.6	55
69	Reconfiguration of π -conjugated superstructures enabled by redox-assisted assembly. Chemical Communications, 2019, 55, 5603-5606.	2.2	12
70	Hydrogen Doping Oxide Transistors: Analysis of Ultrahigh Apparent Mobility in Oxide Field-Effect Transistors (Adv. Sci. 7/2019). Advanced Science, 2019, 6, 1970040.	5.6	6
71	Kinetically Controlled Crystallization in Conjugated Polymer Films for High-Performance Organic Field-Effect Transistors. Advanced Functional Materials, 2019, 29, 1807786.	7.8	42
72	Analysis of Ultrahigh Apparent Mobility in Oxide Field-Effect Transistors. Advanced Science, 2019, 6, 1801189.	5.6	40

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73	Light-Stimulated Synaptic Transistors Fabricated by a Facile Solution Process Based on Inorganic Perovskite Quantum Dots and Organic Semiconductors. <i>Small</i> , 2019, 15, e1900010.	5.2	184
74	High-Performance Pressure Sensors Based on 3D Microstructure Fabricated by a Facile Transfer Technology. <i>Advanced Materials Technologies</i> , 2019, 4, 1800640.	3.0	63
75	Ultrastretchable and Stable Strain Sensors Based on Antifreezing and Self-Healing Ionic Organohydrogels for Human Motion Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 9405-9414.	4.0	285
76	Molecular Strategies to Modulate the Electrochemical Properties of P-Type Si(111) Surfaces Covalently Functionalized with Ferrocene and Naphthalene Diimide. <i>Journal of Physical Chemistry B</i> , 2019, 123, 11026-11041.	1.2	11
77	1.8: Solution-process based gallium tin oxide TFTs. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 660-660.	0.1	0
78	Extremely Deformable, Transparent, and High-Performance Gas Sensor Based on Ionic Conductive Hydrogel. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2364-2373.	4.0	180
79	Tuning Structure-Function Properties of π -Conjugated Superstructures by Redox-Assisted Self-Assembly. <i>Chemistry of Materials</i> , 2018, 30, 2143-2150.	3.2	23
80	Tape-Based Photodetector: Transfer Process and Persistent Photoconductivity. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16596-16604.	4.0	21
81	Organic thin-film transistors with over 10^4 cm ² /Vs mobility through low-temperature solution coating. <i>Journal of Information Display</i> , 2018, 19, 71-80.	2.1	9
82	3D superhydrophobic reduced graphene oxide for activated NO ₂ sensing with enhanced immunity to humidity. <i>Journal of Materials Chemistry A</i> , 2018, 6, 478-488.	5.2	116
83	Precise Patterning of Large-Scale TFT Arrays Based on Solution-Processed Oxide Semiconductors: A Comparative Study of Additive and Subtractive Approaches. <i>Advanced Materials Interfaces</i> , 2018, 5, 1700981.	1.9	21
84	1.0.3: A full-swing inverter based on IGZO TFTs for flexible circuits. <i>Digest of Technical Papers SID International Symposium</i> , 2018, 49, 709-712.	0.1	1
85	Enhancing Performance in Thin Film Transistors with Vacuum or Solution Processed Amorphous Oxide Semiconductors Towards Display Applications. , 2018, , .		0
86	Enhanced Detectivity and Suppressed Dark Current of Perovskite-InGaZnO Phototransistor via a PCBM Interlayer. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44144-44151.	4.0	50
87	Highly Sensitive Wearable Strain Sensors Using Copper Nanowires and Elastomers. <i>Transactions of the Japan Institute of Electronics Packaging</i> , 2018, 11, E18-012-1-E18-012-6.	0.3	3
88	A Full-swing Inverter Based on IGZO TFTs for Flexible Circuits. , 2018, , .		1
89	Guided Formation of Large Crystals of Organic and Perovskite Semiconductors by an Ultrasonicated Dispenser and Their Application as the Active Matrix of Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39921-39932.	4.0	6
90	Solution-based SnGaO thin-film transistors for Zn- and In-free oxide electronic devices. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	22

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91	Highly Stretchable and Transparent Thermistor Based on Self-Healing Double Network Hydrogel. ACS Applied Materials & Interfaces, 2018, 10, 19097-19105.	4.0	168
92	Deciphering the potentiometric properties of (porphinato)zinc($\text{Zn}(\text{Porph})$)-derived supramolecular polymers and related superstructures. Journal of Materials Chemistry C, 2018, 6, 11980-11991.	2.7	11
93	Solution-processed gallium-tin-oxide as a new choice for indium-free active layers in TFTs. , 2018, , .		0
94	Multifunctional Highly Sensitive Multiscale Stretchable Strain Sensor Based on a Graphene/Glycerol- KCl Synergistic Conductive Network. ACS Applied Materials & Interfaces, 2018, 10, 31716-31724.	4.0	97
95	Multiscale nanowire-microfluidic hybrid strain sensors with high sensitivity and stretchability. Npj Flexible Electronics, 2018, 2, .	5.1	64
96	Recent Advances in Biointegrated Optoelectronic Devices. Advanced Materials, 2018, 30, e1800156.	11.1	76
97	Oxide Semiconductor Phototransistor with Organolead Trihalide Perovskite Light Absorber. Advanced Electronic Materials, 2017, 3, 1600325.	2.6	58
98	Ultra-high-resolution printing of flexible organic thin-film transistors. Journal of Information Display, 2017, 18, 93-99.	2.1	13
99	A unified understanding of charge transport in organic semiconductors: the importance of attenuated delocalization for the carriers. Materials Horizons, 2017, 4, 608-618.	6.4	146
100	Generating one-dimensional micro- or nano-structures with in-plane alignment by vapor-driven wetting kinetics. Materials Horizons, 2017, 4, 259-267.	6.4	9
101	Device Physics of Contact Issues for the Overestimation and Underestimation of Carrier Mobility in Field-Effect Transistors. Physical Review Applied, 2017, 8, .	1.5	183
102	Homogeneous dewetting on large-scale microdroplet arrays for solution-processed electronics. NPG Asia Materials, 2017, 9, e409-e409.	3.8	31
103	Integrating Poly-Silicon and InGaZnO Thin-Film Transistors for CMOS Inverters. IEEE Transactions on Electron Devices, 2017, 64, 3668-3671.	1.6	43
104	Effects of deposition methods and processing techniques on band gap, interband electronic transitions, and optical absorption in perovskite $\text{CH}_3\text{NH}_3\text{PbI}_3$ films. Applied Physics Letters, 2017, 111, .	1.5	10
105	TiO_2 nanowire-templated hierarchical nanowire network as water-repelling coating. Royal Society Open Science, 2017, 4, 171431.	1.1	6
106	P-19: Dual Active Layer Structure of Nitrogen Doped Amorphous InSnZnO Thin-Film Transistors for Negative Gate Bias Stability Improvement. Digest of Technical Papers SID International Symposium, 2016, 47, 1186-1188.	0.1	2
107	Coating, patterning, and transferring processes of silver nanowire for flexible display and sensing applications. Journal of the Society for Information Display, 2016, 24, 234-240.	0.8	14
108	25-2:Distinguished Paper: Coating, Patterning, and Transferring Processes of Silver Nanowire for Flexible Display and Sensing Applications. Digest of Technical Papers SID International Symposium, 2016, 47, 311-314.	0.1	0

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109	Stability enhancement of silver nanowire patterns by transferring process. , 2016, , .		0
110	High-Resolution Electronics: Spontaneous Patterning of High-Resolution Electronics via Parallel Vacuum Ultraviolet (Adv. Mater. 31/2016). Advanced Materials, 2016, 28, 6768-6768.	11.1	5
111	Universal diffusion-limited injection and the hook effect in organic thin-film transistors. Scientific Reports, 2016, 6, 29811.	1.6	23
112	Subgap State Engineering Using Nitrogen Incorporation to Improve Reliability of Amorphous InGaZnO Thin-Film Transistors in Various Stressing Conditions. IEEE Transactions on Electron Devices, 2016, 63, 4309-4314.	1.6	18
113	Spontaneous Patterning of High-Resolution Electronics via Parallel Vacuum Ultraviolet. Advanced Materials, 2016, 28, 6568-6573.	11.1	60
114	Diketopyrrolopyrrole assembly into π -aggregates. Journal of Physical Organic Chemistry, 2016, 29, 689-699.	0.9	26
115	Electrically robust silver nanowire patterns transferrable onto various substrates. Nanoscale, 2016, 8, 5507-5515.	2.8	51
116	Microchannel Wetting for Controllable Patterning and Alignment of Silver Nanowire with High Resolution. ACS Applied Materials & Interfaces, 2015, 7, 21433-21441.	4.0	60
117	On the Origin of Improved Charge Transport in Double-Gate InGaZnO Thin-Film Transistors: A Low-Frequency Noise Perspective. IEEE Electron Device Letters, 2015, 36, 1040-1043.	2.2	14
118	Direct and quantitative understanding of the non-Ohmic contact resistance in organic and oxide thin-film transistors. Organic Electronics, 2015, 27, 253-258.	1.4	43
119	Contact engineering in organic field-effect transistors. Materials Today, 2015, 18, 79-96.	8.3	407
120	Effect of Doping Concentration on Microstructure of Conjugated Polymers and Characteristics in N-Type Polymer Field-Effect Transistors. Advanced Functional Materials, 2015, 25, 758-767.	7.8	54
121	Synthesis of multi-imidazolium salt ligands containing calixarene fragments and their N-heterocyclic carbene Ag(I) macrocyclic complexes. Polyhedron, 2015, 85, 732-739.	1.0	10
122	Evaluating injection and transport properties of organic field-effect transistors by the convergence point in transfer-length method. Applied Physics Letters, 2014, 104, .	1.5	20
123	Control of Ambipolar and Unipolar Transport in Organic Transistors by Selective Inkjet-Printed Chemical Doping for High Performance Complementary Circuits. Advanced Functional Materials, 2014, 24, 6252-6261.	7.8	116
124	Synthesis and Fungicidal Activity of Methyl 2-Methoxyimino-2-polysubstituted-phenylacetates. Chinese Journal of Organic Chemistry, 2014, 34, 774.	0.6	1
125	Contact Thickness Effects in Bottom-Contact Coplanar Organic Field-Effect Transistors. IEEE Electron Device Letters, 2013, 34, 535-537.	2.2	13
126	Direct formation of organic semiconducting single crystals by solvent vapor annealing on a polymer base film. Journal of Materials Chemistry, 2012, 22, 8462.	6.7	55

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127	Carrier mobility in organic field-effect transistors. Journal of Applied Physics, 2011, 110, 104513.	1.1	43
128	Solution-Processable Organic Single Crystals with Bandlike Transport in Field-Effect Transistors. Advanced Materials, 2011, 23, 523-526.	11.1	348