

# Chong-an Di

## List of Publications by Citations

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170  
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60  
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111  
g-index

178  
ext. papers

14,580  
ext. citations

12.9  
avg, IF

6.45  
L-index

#	Paper	IF	Citations
170	Advances of flexible pressure sensors toward artificial intelligence and health care applications. <i>Materials Horizons</i> , <b>2015</b> , 2, 140-156	14.4	765
169	A stable solution-processed polymer semiconductor with record high-mobility for printed transistors. <i>Scientific Reports</i> , <b>2012</b> , 2, 754	4.9	733
168	A two-dimensional $\pi$ conjugated coordination polymer with extremely high electrical conductivity and ambipolar transport behaviour. <i>Nature Communications</i> , <b>2015</b> , 6, 7408	17.4	426
167	Flexible suspended gate organic thin-film transistors for ultra-sensitive pressure detection. <i>Nature Communications</i> , <b>2015</b> , 6, 6269	17.4	400
166	Organic thermoelectric materials and devices based on p- and n-type poly(metal 1,1,2,2-ethenetetrathiolate)s. <i>Advanced Materials</i> , <b>2012</b> , 24, 932-7	24	386
165	Critical role of alkyl chain branching of organic semiconductors in enabling solution-processed N-channel organic thin-film transistors with mobility of up to $3.50 \text{ cm}^2 \text{ V}^{-1} \text{ s}^{-1}$ . <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 2338-49	16.4	344
164	Fluorescence enhancements of benzene-cored luminophors by restricted intramolecular rotations: AIE and AIEE effects. <i>Chemical Communications</i> , <b>2007</b> , 70-2	5.8	341
163	Patterned Graphene as Source/Drain Electrodes for Bottom-Contact Organic Field-Effect Transistors. <i>Advanced Materials</i> , <b>2008</b> , 20, 3289-3293	24	339
162	Flexible and self-powered temperature-pressure dual-parameter sensors using microstructure-frame-supported organic thermoelectric materials. <i>Nature Communications</i> , <b>2015</b> , 6, 8356	17.4	330
161	Interface engineering: an effective approach toward high-performance organic field-effect transistors. <i>Accounts of Chemical Research</i> , <b>2009</b> , 42, 1573-83	24.3	285
160	Toward High Performance n-Type Thermoelectric Materials by Rational Modification of BDPPV Backbones. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 6979-82	16.4	274
159	Core-expanded naphthalene diimides fused with 2-(1,3-dithiol-2-ylidene)malonitrile groups for high-performance, ambient-stable, solution-processed n-channel organic thin film transistors. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 3697-9	16.4	255
158	Multi-functional integration of organic field-effect transistors (OFETs): advances and perspectives. <i>Advanced Materials</i> , <b>2013</b> , 25, 313-30	24	254
157	A cyclic triphenylamine dimer for organic field-effect transistors with high performance. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 15940-1	16.4	212
156	Ultrathin film organic transistors: precise control of semiconductor thickness via spin-coating. <i>Advanced Materials</i> , <b>2013</b> , 25, 1401-7	24	187
155	Sulfur-bridged annulene-TCNQ co-crystal: a self-assembled "molecular level heterojunction" with air stable ambipolar charge transport behavior. <i>Advanced Materials</i> , <b>2012</b> , 24, 2603-7	24	176
154	High-Performance and Stable Organic Thin-Film Transistors Based on Fused Thiophenes. <i>Advanced Functional Materials</i> , <b>2006</b> , 16, 426-432	15.6	169

153	All-solution-processed, high-performance n-channel organic transistors and circuits: toward low-cost ambient electronics. <i>Advanced Materials</i> , <b>2011</b> , 23, 2448-53	24	164
152	Multibit Storage of Organic Thin-Film Field-Effect Transistors. <i>Advanced Materials</i> , <b>2009</b> , 21, 1954-1959	24	164
151	Flexible n-Type High-Performance Thermoelectric Thin Films of Poly(nickel-ethylenetetra-thiolate) Prepared by an Electrochemical Method. <i>Advanced Materials</i> , <b>2016</b> , 28, 3351-8	24	161
150	Conjugated-Backbone Effect of Organic Small Molecules for n-Type Thermoelectric Materials with ZT over 0.2. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 13013-13023	16.4	156
149	A Dual-Organic-Transistor-Based Tactile-Perception System with Signal-Processing Functionality. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606088	24	154
148	Fullerene/sulfur-bridged annulene cocrystals: two-dimensional segregated heterojunctions with ambipolar transport properties and photoresponsivity. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 558-61	16.4	150
147	Structural Control of the Side-Chain Chromophores To Achieve Highly Efficient Nonlinear Optical Polyurethanes. <i>Macromolecules</i> , <b>2006</b> , 39, 6951-6961	5.5	140
146	Inkjet printing high-resolution, large-area graphene patterns by coffee-ring lithography. <i>Advanced Materials</i> , <b>2012</b> , 24, 436-40	24	138
145	Core-Expanded Naphthalene Diimides Fused with Sulfur Heterocycles and End-Capped with Electron-Withdrawing Groups for Air-Stable Solution-Processed n-Channel Organic Thin Film Transistors. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 1204-1215	9.6	136
144	Photoluminescence and Electroluminescence from Tris(8-hydroxyquinoline)aluminum Nanowires Prepared by Adsorbent-Assisted Physical Vapor Deposition. <i>Advanced Functional Materials</i> , <b>2006</b> , 16, 1985-1991	15.6	136
143	High-performance transistor based on individual single-crystalline micrometer wire of perylo[1,12-b,c,d]thiophene. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 1882-3	16.4	134
142	Two-dimensional Expanded quinoidal terthiophenes terminated with dicyanomethylenes as n-type semiconductors for high-performance organic thin-film transistors. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 16176-84	16.4	132
141	Engineering of the dielectric semiconductor interface in organic field-effect transistors. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 2599		128
140	Device Engineered Organic Transistors for Flexible Sensing Applications. <i>Advanced Materials</i> , <b>2016</b> , 28, 4549-55	24	127
139	High-Performance Phototransistors Based on Organic Microribbons Prepared by a Solution Self-Assembly Process. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 1019-1024	15.6	116
138	Enhancing the n-Type Conductivity and Thermoelectric Performance of Donor-Acceptor Copolymers through Donor Engineering. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802850	24	115
137	High-performance low-cost organic field-effect transistors with chemically modified bottom electrodes. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 16418-9	16.4	113
136	Production of graphite chloride and bromide using microwave sparks. <i>Scientific Reports</i> , <b>2012</b> , 2, 662	4.9	110

135	Inkjet-printed flexible organic thin-film thermoelectric devices based on p- and n-type poly(metal 1,1,2,2-ethenetetrathiolate)s/polymer composites through ball-milling. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2014</b> , 372, 20130008	3	90
134	2D Semiconducting Metal-Organic Framework Thin Films for Organic Spin Valves. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 1118-1123	16.4	90
133	Optimizing Single-Walled Carbon Nanotube Films for Applications in Electroluminescent Devices. <i>Advanced Materials</i> , <b>2008</b> , 20, 4442-4449	24	87
132	High-Performance Organic Field-Effect Transistors with Low-Cost Copper Electrodes. <i>Advanced Materials</i> , <b>2008</b> , 20, 1286-1290	24	85
131	High-performance organic field-effect transistors: molecular design, device fabrication, and physical properties. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 14083-96	3.4	83
130	1-Imino nitroxide pyrene for high performance organic field-effect transistors with low operating voltage. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 13058-9	16.4	82
129	Advances in n-Type Organic Thermoelectric Materials and Devices. <i>Advanced Electronic Materials</i> , <b>2019</b> , 5, 1800825	6.4	81
128	Improvements in Stability and Performance of N,N'-Dialkyl Perylene Diimide-Based n-Type Thin-Film Transistors. <i>Advanced Materials</i> , <b>2009</b> , 21, 1631-1635	24	80
127	Modulated Thermoelectric Properties of Organic Semiconductors Using Field-Effect Transistors. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 3004-3012	15.6	79
126	An Attempt To Modify Nonlinear Optical Effects of Polyurethanes by Adjusting the Structure of the Chromophore Moieties at the Molecular Level Using Click Chemistry. <i>Macromolecules</i> , <b>2006</b> , 39, 8544-8548	5.5	79
125	Conjugation-Break Spacers in Semiconducting Polymers: Impact on Polymer Processability and Charge Transport Properties. <i>Macromolecules</i> , <b>2015</b> , 48, 2048-2053	5.5	78
124	Pursuing High-Mobility n-Type Organic Semiconductors by Combination of "Molecule-Framework" and "Side-Chain" Engineering. <i>Advanced Materials</i> , <b>2016</b> , 28, 8456-8462	24	78
123	Specific and reproducible gas sensors utilizing gas-phase chemical reaction on organic transistors. <i>Advanced Materials</i> , <b>2014</b> , 26, 2862-7	24	76
122	Selenium-Substituted Diketopyrrolopyrrole Polymer for High-Performance p-Type Organic Thermoelectric Materials. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18994-18999	16.4	75
121	Chemical doping of organic semiconductors for thermoelectric applications. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 7210-7228	58.5	74
120	Solution processed organic field-effect transistors and their application in printed logic circuits. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 7059		73
119	High-Performance Organic Transistor Memory Elements with Steep Flanks of Hysteresis. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 2593-2601	15.6	73
118	Wide-Energy-Gap Host Materials for Blue Phosphorescent Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 1333-1342	9.6	72

117	Rolling up transition metal dichalcogenide nanoscrolls via one drop of ethanol. <i>Nature Communications</i> , <b>2018</b> , 9, 1301	17.4	69
116	Bismuth Interfacial Doping of Organic Small Molecules for High Performance n-type Thermoelectric Materials. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 10672-5	16.4	66
115	Charge Carrier Transporting, Photoluminescent, and Electroluminescent Properties of Zinc(II)-2-(2-hydroxyphenyl)benzothiazolate Complex. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 1740-1748	9.6	64
114	Efficient Solution-Processed n-Type Small-Molecule Thermoelectric Materials Achieved by Precisely Regulating Energy Level of Organic Dopants. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 28795-28807	8.5	63
113	High-Efficiency Blue Light-Emitting Diodes Based on a Polyphenylphenyl Compound with Strong Electron-Accepting Groups. <i>Advanced Materials</i> , <b>2007</b> , 19, 1281-1285	24	63
112	Design of benzodithiophene-diketopyrrolopyrrole based donor-acceptor copolymers for efficient organic field effect transistors and polymer solar cells. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 22734		62
111	Synthesis, structures, and properties of fused thiophenes for organic field-effect transistors. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 2231-9	4.8	61
110	One-pot synthesis of core-expanded naphthalene diimides: enabling N-substituent modulation for diverse n-type organic materials. <i>Organic Letters</i> , <b>2012</b> , 14, 292-5	6.2	58
109	Trifluoromethyltriphenodioxazine: air-stable and high-performance n-type semiconductor. <i>Organic Letters</i> , <b>2008</b> , 10, 3025-8	6.2	58
108	A thermally activated and highly miscible dopant for n-type organic thermoelectrics. <i>Nature Communications</i> , <b>2020</b> , 11, 3292	17.4	57
107	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
106	High quality graphene with large flakes exfoliated by oleyl amine. <i>Chemical Communications</i> , <b>2010</b> , 46, 5728-30	5.8	57
105	Solution-sheared ultrathin films for highly-sensitive ammonia detection using organic thin-film transistors. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 1264	7.1	56
104	Carbon nanotube yarn based thermoelectric textiles for harvesting thermal energy and powering electronics. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 2984-2994	13	56
103	Single-Crystal Microribbons of an Indolo[3,2-b]carbazole Derivative by Solution-Phase Self-Assembly with Novel Mechanical, Electrical, and Optical Properties. <i>Advanced Materials</i> , <b>2008</b> , 20, 4835-4839	24	54
102	Interfacial heterogeneity of surface energy in organic field-effect transistors. <i>Advanced Materials</i> , <b>2011</b> , 23, 1009-14	24	53
101	Solvent-assisted re-annealing of polymer films for solution-processable organic field-effect transistors. <i>Advanced Materials</i> , <b>2010</b> , 22, 1273-7	24	51
100	A novel air-stable n-type organic semiconductor: 4,4'-bis[(6,6'-diphenyl)-2,2-difluoro-1,3,2-dioxaborine] and its application in organic ambipolar field-effect transistors. <i>Journal of Materials Chemistry</i> , <b>2006</b> , 16, 4499-4503		51

99	General route toward patterning of graphene oxide by a combination of wettability modulation and spin-coating. <i>ACS Nano</i> , <b>2010</b> , 4, 5749-54	16.7	50
98	Phenyl-substituted fluorene-dimer cored anthracene derivatives: highly fluorescent and stable materials for high performance organic blue- and white-light-emitting diodes. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 3186		49
97	Cholesteric Aggregation at the Quinoidal-to-Diradical Border Enabled Stable n-Doped Conductor. <i>CheM</i> , <b>2019</b> , 5, 964-976	16.2	48
96	1,2,5,6-Naphthalenediimide Based Donor-Acceptor Copolymers Designed from Isomer Chemistry for Organic Semiconducting Materials. <i>Macromolecules</i> , <b>2013</b> , 46, 7705-7714	5.5	47
95	Morphology optimization for the fabrication of high mobility thin-film transistors. <i>Advanced Materials</i> , <b>2011</b> , 23, 3128-33	24	47
94	Novel copolymers incorporating dithieno[3,2-b:2',3'-d]thiophene moieties for air-stable and high performance organic field-effect transistors. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 3426		47
93	A Flexible Self-Powered Sensing Element with Integrated Organic Thermoelectric Generator. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1900247	6.8	46
92	Field dependent and high light sensitive organic phototransistors based on linear asymmetric organic semiconductor. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 143303	3.4	46
91	Persistent Conjugated Backbone and Disordered Lamellar Packing Impart Polymers with Efficient n-Doping and High Conductivities. <i>Advanced Materials</i> , <b>2021</b> , 33, e2005946	24	46
90	Sensitive Flexible Magnetic Sensors using Organic Transistors with Magnetic-Functionalized Suspended Gate Electrodes. <i>Advanced Materials</i> , <b>2015</b> , 27, 7979-85	24	44
89	Highly Sensitive Chemical-Vapor Sensor Based on Thin-Film Organic Field-Effect Transistors with Benzothiadiazole-Fused-Tetrathiafulvalene. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 1671-1676	15.6	44
88	Exploring Thermoelectric Materials from High Mobility Organic Semiconductors. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 2688-2702	9.6	43
87	Novel Functionalized Conjugated Polythiophene with Oxetane Substituents: Synthesis, Optical, Electrochemical, and Field-Effect Properties. <i>Macromolecules</i> , <b>2009</b> , 42, 3222-3226	5.5	43
86	Extended $\pi$ -conjugated molecules derived from naphthalene diimides toward organic emissive and semiconducting materials. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 2926-34	4.2	42
85	Exploring Peltier effect in organic thermoelectric films. <i>Nature Communications</i> , <b>2018</b> , 9, 3586	17.4	42
84	Synthesis, characterization, and field-effect transistor properties of carbazolenevinylene oligomers: from linear to cyclic architectures. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 4731-40	4.8	40
83	Organic thin-film transistors with high mobilities and low operating voltages based on 5,5'-bis-biphenyl-dithieno[3,2-b:2',3'-d]thiophene semiconductor and polymer gate dielectric. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 242113	3.4	40
82	Top-gate organic thin-film transistors constructed by a general lamination approach. <i>Advanced Materials</i> , <b>2010</b> , 22, 3537-41	24	37

81	Solution-Processed Organic Field-Effect Transistors Based on Polythiophene Derivatives with Conjugated Bridges as Linking Chains. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 3361-3363	9.6	37
80	Organic Light-Emitting Transistors Containing a Laterally Arranged Heterojunction. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 1567-1573	15.6	36
79	Efficient modification of Cu electrode with nanometer-sized copper tetracyanoquinodimethane for high performance organic field-effect transistors. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 2302-7	3.6	35
78	New semiconductors based on triphenylamine with macrocyclic architecture: synthesis, properties and applications in OFETs. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 4483		34
77	Low-bandgap thieno[3,4-c]pyrrole-4,6-dione-polymers for high-performance solar cells with significantly enhanced photocurrents. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 11194-11198	13	33
76	Naphthalenediimides Fused with 2-(1,3-Dithiol-2-ylidene)acetonitrile: Strong Electron-Deficient Building Blocks for High-Performance n-Type Polymeric Semiconductors. <i>ACS Macro Letters</i> , <b>2014</b> , 3, 1174-1177	6.6	33
75	Thieno[3,2-b]thiophene-diketopyrrolopyrrole-based quinoidal small molecules: synthesis, characterization, redox behavior, and n-channel organic field-effect transistors. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 13755-61	4.8	33
74	All-brush-painted top-gate organic thin-film transistors. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 3072	7.1	33
73	Synthesis and characterization of a quinoxaline compound containing polyphenylphenyl and strong electron-accepting groups, and its multiple applications in electroluminescent devices. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 299-305		33
72	Photophysical properties of polyphenylphenyl compounds in aqueous solutions and application of their nanoparticles for nucleobase sensing. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 2555		32
71	Metal-organic complexes-towards promising organic thermoelectric materials. <i>Synthetic Metals</i> , <b>2017</b> , 225, 22-30	3.6	31
70	Molecular antenna tailored organic thin-film transistors for sensing application. <i>Materials Horizons</i> , <b>2018</b> , 5, 240-247	14.4	31
69	Effect of dielectric layers on device stability of pentacene-based field-effect transistors. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 7268-73	3.6	31
68	Interface-Located Photothermoelectric Effect of Organic Thermoelectric Materials in Enabling NIR Detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 8968-73	9.5	30
67	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
66	Trichalcogenasumanene ortho-Quinones: Synthesis, Properties, and Transformation into Various Heteropolycycles. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 13470-13474	16.4	29
65	Efficient nondoped white organic light-emitting diodes based on electromers. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 123503	3.4	29
64	Organic thermoelectrics for green energy. <i>National Science Review</i> , <b>2016</b> , 3, 269-271	10.8	28

63	Effective modification of indium tin oxide for improved hole injection in organic light-emitting devices. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 033502	3.4	28
62	Inkjet-Printed Organic Electrodes for Bottom-Contact Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 786-791	15.6	26
61	Advances in Organic Transistor-Based Biosensors. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 2000218	6.8	25
60	Alternating Electron Donor/Acceptor Conjugated Polymers Based on Modified Naphthalene Diimide Framework: The Large Enhancement of p-Type Semiconducting Performance upon Solvent Vapor Annealing. <i>Macromolecules</i> , <b>2013</b> , 46, 5504-5511	5.5	25
59	2D Semiconducting Metal-Organic Framework Thin Films for Organic Spin Valves. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 1134-1139	3.6	25
58	Enabling Multifunctional Organic Transistors with Fine-Tuned Charge Transport. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 1113-1124	24.3	23
57	A novel cuprous ethylenetetrathiolate coordination polymer: Structure characterization, thermoelectric property optimization and a bulk thermogenerator demonstration. <i>Synthetic Metals</i> , <b>2014</b> , 193, 1-7	3.6	23
56	High-performance n-type organic thin-film phototransistors based on a core-expanded naphthalene diimide. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 053301	3.4	23
55	Dithienoindophenines: p-Type Semiconductors Designed by Quinoid Stabilization for Solar-Cell Applications. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 17136-17140	4.8	23
54	n-Type thermoelectric materials based on CuTCNQ nanocrystals and CuTCNQ nanorod arrays. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 2677-2683	13	22
53	Critical Role of Molecular Symmetry for Charge Transport Properties: A Paradigm Learned from Quinoidal Bithieno[3,4-b]thiophenes. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 4999-5008	9.6	21
52	Flexible unipolar thermoelectric devices based on patterned poly[Kx(Ni-ethylenetetrathiolate)] thin films. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 2111-2116	7.8	21
51	Hexathienoacene: synthesis, characterization, and thin-film transistors. <i>Chemistry - an Asian Journal</i> , <b>2010</b> , 5, 1550-4	4.5	21
50	Tuning the threshold voltage by inserting a thin molybdenum oxide layer into organic field-effect transistors. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 263502	3.4	21
49	An organic transistor with light intensity-dependent active photoadaptation. <i>Nature Electronics</i> , <b>2021</b> , 4, 522-529	28.4	21
48	Insight into thin-film stacking modes of $\pi$ -expanded quinoidal molecules on charge transport property via side-chain engineering. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 1935-1943	7.1	20
47	Solution-processed small molecules based on indacenodithiophene for high performance thin-film transistors and organic solar cells. <i>Organic Electronics</i> , <b>2014</b> , 15, 1155-1165	3.5	20
46	D-A1-D-A2 Copolymer Based on Pyridine-Capped Diketopyrrolopyrrole with Fluorinated Benzothiadiazole for High-Performance Ambipolar Organic Thin-Film Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 8620-6	9.5	19



45	High-efficiency low operation voltage organic light-emitting diodes. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 133508	3.4	19
44	New light-emitting hyperbranched polymers prepared from tribromoaryls and 9,9-dihexylfluorene-2,7-bis(trimethyleneborate). <i>Polymer</i> , <b>2006</b> , 47, 7889-7899	3.9	19
43	A facile strategy to enhance the fill factor of ternary blend solar cells by increasing charge carrier mobility. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 1728	3.6	18
42	Organic Field-Effect Transistors with a Low Pinch-Off Voltage and a Controllable Threshold Voltage. <i>Advanced Materials</i> , <b>2008</b> , 20, 611-615	24	18
41	Enhanced Thermoelectric Performance of n-Type Organic Semiconductor via Electric Field Modulated Photo-Thermoelectric Effect. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000273	24	17
40	Correlation between Seebeck coefficient and transport energy level in poly(3-hexylthiophene). <i>Organic Electronics</i> , <b>2018</b> , 56, 125-128	3.5	17
39	High-Performance, Low-Operating-Voltage Organic Field-Effect Transistors with Low Pinch-Off Voltages. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 810-815	15.6	17
38	Polymer gate dielectrics with self-assembled monolayers for high-mobility organic thin-film transistors based on copper phthalocyanine. <i>Applied Physics A: Materials Science and Processing</i> , <b>2009</b> , 95, 777-780	2.6	16
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