

# Liqiang Li

## List of Publications by Citations

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139  
papers

3,459  
citations

31  
h-index

55  
g-index

149  
ext. papers

4,108  
ext. citations

9  
avg, IF

5.34  
L-index

#	Paper	IF	Citations
139	An Ultra Closely Stacked Organic Semiconductor for High Performance Field-Effect Transistors. <i>Advanced Materials</i> , <b>2007</b> , 19, 2613-2617	24	235
138	High performance field-effect ammonia sensors based on a structured ultrathin organic semiconductor film. <i>Advanced Materials</i> , <b>2013</b> , 25, 3419-25	24	231
137	Photoswitches and Phototransistors from Organic Single-Crystalline Sub-micro/nanometer Ribbons. <i>Advanced Materials</i> , <b>2007</b> , 19, 2624-2628	24	216
136	High-Performance Field-Effect Transistor Based on Dibenzodithiophene, an Easily Synthesized Semiconductor with High Ionization Potential. <i>Advanced Materials</i> , <b>2007</b> , 19, 3008-3011	24	169
135	Controllable growth and field-effect property of monolayer to multilayer microstripes of an organic semiconductor. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 8807-9	16.4	146
134	High-Performance Air-Stable Bipolar Field-Effect Transistors of Organic Single-Crystalline Ribbons with an Air-Gap Dielectric. <i>Advanced Materials</i> , <b>2008</b> , 20, 1511-1515	24	126
133	Enhanced thermal conductivity of polyurethane composites via engineering small/large sizes interconnected boron nitride nanosheets. <i>Composites Science and Technology</i> , <b>2019</b> , 170, 93-100	8.6	102
132	3D Printing Fiber Electrodes for an All-Fiber Integrated Electronic Device via Hybridization of an Asymmetric Supercapacitor and a Temperature Sensor. <i>Advanced Science</i> , <b>2018</b> , 5, 1801114	13.6	91
131	A Densely and Uniformly Packed Organic Semiconductor Based on Annulated Dithiophenes for High-Performance Thin Film Transistors. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 272-276	15.6	84
130	Growth of ultrathin organic semiconductor microstripes with thickness control in the monolayer precision. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 12530-5	16.4	83
129	Polymer-Based Gate Dielectrics for Organic Field-Effect Transistors. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 2212-2240	9.6	80
128	Ultrahigh-Sensitivity Piezoresistive Pressure Sensors for Detection of Tiny Pressure. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 20826-20834	9.5	74
127	Solution-Processing of High-Purity Semiconducting Single-Walled Carbon Nanotubes for Electronics Devices. <i>Advanced Materials</i> , <b>2019</b> , 31, e1800750	24	69
126	Novel crosslinkable high-k copolymer dielectrics for high-energy-density capacitors and organic field-effect transistor applications. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 20737-20746	13	69
125	Organic thin-film transistors of phthalocyanines. <i>Pure and Applied Chemistry</i> , <b>2008</b> , 80, 2231-2240	2.1	66
124	Molecular orientation and interface compatibility for high performance organic thin film transistor based on vanadyl phthalocyanine. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 10405-10	3.4	65
123	The Semiconductor/Conductor Interface Piezoresistive Effect in an Organic Transistor for Highly Sensitive Pressure Sensors. <i>Advanced Materials</i> , <b>2019</b> , 31, e1805630	24	63

122	A semi-interpenetrating network ionic hydrogel for strain sensing with high sensitivity, large strain range, and stable cycle performance. <i>Chemical Engineering Journal</i> , <b>2020</b> , 385, 123912	14.7	58
121	Dibenzothiophene derivatives as new prototype semiconductors for organic field-effect transistors. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 1421		53
120	Copolymer dielectrics with balanced chain-packing density and surface polarity for high-performance flexible organic electronics. <i>Nature Communications</i> , <b>2018</b> , 9, 2339	17.4	52
119	Indium tin oxide (ITO)-free, top-illuminated, flexible perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 14017-14024	13	47
118	Patterning of polymer electrodes by nanoscratching. <i>Advanced Materials</i> , <b>2010</b> , 22, 1374-8	24	46
117	High-performance and stable organic transistors and circuits with patterned polypyrrole electrodes. <i>Advanced Materials</i> , <b>2012</b> , 24, 2159-64	24	43
116	Surface-grafting polymers: from chemistry to organic electronics. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 692-714	7.8	42
115	Controlled Growth of Ultrathin Film of Organic Semiconductors by Balancing the Competitive Processes in Dip-Coating for Organic Transistors. <i>Langmuir</i> , <b>2016</b> , 32, 6246-54	4	39
114	A hierarchical heterostructure of CdS QDs confined on 3D ZnIn <sub>2</sub> S <sub>4</sub> with boosted charge transfer for photocatalytic CO <sub>2</sub> reduction. <i>Nano Research</i> , <b>2021</b> , 14, 81-90	10	39
113	The Impact of Interlayer Electronic Coupling on Charge Transport in Organic Semiconductors: A Case Study on Titanylphthalocyanine Single Crystals. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5206-9	16.4	38
112	Polymer brush and inorganic oxide hybrid nanodielectrics for high performance organic transistors. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 5315-9	3.4	36
111	Microarray based screening of peptide nano probes for HER2 positive tumor. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 8367-72	7.8	35
110	Controlling Molecular Packing for Charge Transport in Organic Thin Films. <i>Advanced Energy Materials</i> , <b>2011</b> , 1, 188-193	21.8	33
109	SPECT/CT Imaging of the Novel HER2-Targeted Peptide Probe Tc-HYNIC-H6F in Breast Cancer Mouse Models. <i>Journal of Nuclear Medicine</i> , <b>2017</b> , 58, 821-826	8.9	32
108	Structure formation by dynamic self-assembly. <i>Small</i> , <b>2012</b> , 8, 487-503	11	31
107	Battery Drivable Organic Single-Crystalline Transistors Based on Surface Grafting Ultrathin Polymer Dielectric. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 2987-2991	15.6	28
106	Mass-production of single-crystalline device arrays of an organic charge-transfer complex for its memory nature. <i>Small</i> , <b>2012</b> , 8, 557-60, 478	11	27
105	Fabrication of free-standing N-doped carbon/TiO <sub>2</sub> hierarchical nanofiber films and their application in lithium and sodium storages. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 701, 372-379	5.7	26

104	Self-assembly of a dendron-attached tetrathiafulvalene: gel formation and modulation in the presence of chloranil and metal ions. <i>Small</i> , <b>2012</b> , 8, 578-84	11	25
103	Hyaluronic Acid-Coated Silver Nanoparticles As a Nanoplatform for in Vivo Imaging Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 25650-25653	9.5	24
102	High-resolution triple-color patterns based on the liquid behavior of organic molecules. <i>Small</i> , <b>2011</b> , 7, 1403-6	11	22
101	Directly writing flexible temperature sensor with graphene nanoribbons for disposable healthcare devices.. <i>RSC Advances</i> , <b>2020</b> , 10, 22222-22229	3.7	20
100	The electrode's effect on the stability of organic transistors and circuits. <i>Advanced Materials</i> , <b>2012</b> , 24, 3053-8	24	20
99	Morphology and structure features of ZnAl <sub>2</sub> O <sub>4</sub> spinel nanoparticles prepared by matrix-isolation-assisted calcination. <i>Materials Research Bulletin</i> , <b>2015</b> , 61, 64-69	5.1	19
98	Improving the Charge Injection in Organic Transistors by Covalently Linked Graphene Oxide/Metal Electrodes. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1500409	6.4	19
97	Influence of Morphology on the Optical Properties of Self-Grown Nanowire Arrays. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 4253-4259	3.8	18
96	Effectively modulating thermal activated charge transport in organic semiconductors by precise potential barrier engineering. <i>Nature Communications</i> , <b>2021</b> , 12, 21	17.4	18
95	Growth of rubrene crystalline thin films using thermal annealing on DPPC LB monolayer. <i>Organic Electronics</i> , <b>2013</b> , 14, 2534-2539	3.5	17
94	Synthesis and characterization of novel poly(p-phenylenevinylene) derivatives containing phenothiazine-5-oxide and phenothiazine-5, 5-dioxide moieties. <i>Journal of Polymer Science Part A</i> , <b>2007</b> , 45, 4291-4299	2.5	17
93	Addressable organic structure by anisotropic wetting. <i>Advanced Materials</i> , <b>2013</b> , 25, 2018-23	24	16
92	Breathing-effect assisted transferring large-area PEDOT:PSS to PDMS substrate with robust adhesion for stable flexible pressure sensor. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2021</b> , 143, 106299	8.4	16
91	Bayberry tannin directed assembly of a bifunctional graphene aerogel for simultaneous solar steam generation and marine uranium extraction. <i>Nanoscale</i> , <b>2021</b> , 13, 5419-5428	7.7	16
90	Composition, microstructure and mechanical properties of cBN-based composites sintered with AlN- Al- Ni binder. <i>Ceramics International</i> , <b>2018</b> , 44, 16915-16922	5.1	16
89	Mismatch and chemical composition analysis of vertical In <sub>x</sub> Ga <sub>1-x</sub> As quantum-dot arrays by transmission electron microscopy. <i>Applied Physics Letters</i> , <b>2001</b> , 78, 3830-3832	3.4	15
88	Revealing molecular conformation-induced stress at embedded interfaces of organic optoelectronic devices by sum frequency generation spectroscopy. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	15
87	Lectin-Mediated pH-Sensitive Doxorubicin Prodrug for Pre-Targeted Chemotherapy of Colorectal Cancer with Enhanced Efficacy and Reduced Side Effects. <i>Theranostics</i> , <b>2019</b> , 9, 747-760	12.1	15

86	Highly sensitive airflow sensors with an ultrathin reduced graphene oxide film inspired by gas exfoliation of graphite oxide. <i>Materials Horizons</i> , <b>2017</b> , 4, 383-388	14.4	14
85	Syntheses and properties of cyano and dicyanovinyl-substituted oligomers as organic semiconductors. <i>Synthetic Metals</i> , <b>2009</b> , 159, 1298-1301	3.6	14
84	Optical properties of Cu <sub>2</sub> S nano-hollow cactus arrays with different morphologies. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 636, 216-222	5.7	13
83	Synergistic Resistance Modulation toward Ultrahighly Sensitive Piezoresistive Pressure Sensors. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 1901084	6.8	13
82	Control over Patterning of Organic Semiconductors: Step-Edge-Induced Area-Selective Growth. <i>Advanced Materials</i> , <b>2009</b> , 21, NA-NA	24	13
81	Long term (1997-2014) spatial and temporal variations in nitrogen in Dongting Lake, China. <i>PLoS ONE</i> , <b>2017</b> , 12, e0170993	3.7	13
80	Creating Organic Functional Materials beyond Chemical Bond Synthesis by Organic Cocrystal Engineering. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 19243-19256	16.4	12
79	Facile Peeling Method as a Post-Remedy Strategy for Producing an Ultrasoother Self-Assembled Monolayer for High-Performance Organic Transistors. <i>Langmuir</i> , <b>2016</b> , 32, 9492-500	4	11
78	Molecular composition, grafting density and film area affect the swelling-induced Au-S bond breakage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 8313-9	9.5	11
77	Thermal-assisted self-assembly: a self-adaptive strategy towards large-area uniaxial organic single-crystalline microribbon arrays. <i>Nanoscale</i> , <b>2019</b> , 11, 12781-12787	7.7	10
76	Surface microfluidic patterning and transporting organic small molecules. <i>Small</i> , <b>2014</b> , 10, 2549-52	11	10
75	Anisotropic growth of organic semiconductor based on mechanical contrast of pre-patterned monolayer. <i>Soft Matter</i> , <b>2010</b> , 6, 5302	3.6	10
74	Luminescence properties of PPV-based conjugated polymers containing phenothiazine and phenothiazine-5-oxide units. <i>Journal of Luminescence</i> , <b>2007</b> , 122-123, 714-716	3.8	10
73	Minimizing electrode edge in organic transistors with ultrathin reduced graphene oxide for improving charge injection efficiency. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 13209-15	3.6	10
72	Mechanically Tunable Bilayer Composite Grating for Unique Light Manipulation and Information Storage. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1801017	8.1	10
71	Effect of SiC whiskers on mechanical properties of thermally stable polycrystalline diamond prepared by HPHT sintering. <i>Diamond and Related Materials</i> , <b>2018</b> , 90, 54-61	3.5	10
70	Low Hysteresis Carbon Nanotube Transistors Constructed via a General Dry-Laminating Encapsulation Method on Diverse Surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 14292-14300	8.5	9
69	The Cu <sub>2</sub> S nano hollow-cactus arrays: A nanostructure with a larger specific surface area and the enhanced light absorption properties. <i>Materials Letters</i> , <b>2013</b> , 108, 300-303	3.3	9

68	Directly Patterning Conductive Polymer Electrodes on Organic Semiconductor via In Situ Polymerization in Microchannels for High-Performance Organic Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 17852-17860	9.5	9
67	Wax-assisted crack-free transfer of monolayer CVD graphene: Extending from standalone to supported copper substrates. <i>Applied Surface Science</i> , <b>2019</b> , 493, 81-86	6.7	8
66	Conducting polymer nanowires fabricated by edge effect of NIL. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 12096		8
65	Annealing effects on the physical and optical properties of Cu <sub>2</sub> S/CIGS core/shell nanowire arrays. <i>Applied Physics A: Materials Science and Processing</i> , <b>2015</b> , 119, 1149-1154	2.6	7
64	High-Performance Pressure Sensor for Monitoring Mechanical Vibration and Air Pressure. <i>Polymers</i> , <b>2018</b> , 10,	4.5	7
63	Solution-Processed Organic Complementary Inverters Based on TIPS-Pentacene and PDI8-CN2. <i>IEEE Transactions on Electron Devices</i> , <b>2015</b> , 62, 4220-4224	2.9	7
62	Synthesis of MgAl <sub>2</sub> O <sub>4</sub> spinel nanoparticles via polymer-gel and isolation-medium-assisted calcination. <i>Journal of Materials Research</i> , <b>2014</b> , 29, 2921-2927	2.5	7
61	Highly Efficient Charge Transport in a Quasi-Monolayer Semiconductor on Pure Polymer Dielectric. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1907153	15.6	7
60	Surface modification of polyethylene terephthalate films by direct fluorination. <i>AIP Advances</i> , <b>2018</b> , 8, 125333	1.5	7
59	Comparison of posterior lumbar interbody fusion with transforaminal lumbar interbody fusion for treatment of recurrent lumbar disc herniation: A retrospective study. <i>Journal of International Medical Research</i> , <b>2016</b> , 44, 1424-1429	1.4	6
58	Tunable organic hetero-patterns via molecule diffusion control. <i>Small</i> , <b>2014</b> , 10, 3045-9	11	6
57	Cu <sub>2</sub> S/CIGS core/shell nanowire arrays with epitaxial CIGS growth. <i>Solar Energy Materials and Solar Cells</i> , <b>2014</b> , 128, 357-361	6.4	6
56	Patterning rubrene crystalline thin films for sub-micrometer channel length field-effect transistor arrays. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 9359-9363	7.1	6
55	Very large-bandgap insulating monolayers of ODS on SiC. <i>Applied Surface Science</i> , <b>2012</b> , 258, 7280-7285	6.7	6
54	Intrinsic Linear Dichroism of Organic Single Crystals toward High-Performance Polarization-Sensitive Photodetectors. <i>Advanced Materials</i> , <b>2021</b> , e2105665	24	6
53	Functionalization of Low-k Polyimide Gate Dielectrics with Self-Assembly Monolayer Toward High-Performance Organic Field-Effect Transistors and Circuits. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2100217	4.6	6
52	Mechanically tunable opacity effect in transparent bilayer film: Accurate interpretation and rational applications. <i>Applied Materials Today</i> , <b>2019</b> , 16, 474-481	6.6	5
51	Ultrathin silica film derived with ultraviolet irradiation of perhydropolysilazane for high performance and low voltage organic transistor and inverter. <i>Science China Materials</i> , <b>2018</b> , 61, 1237-1242 <sup>71</sup>		5

50	Protective role of microRNA-219-5p inhibitor against spinal cord injury via liver receptor homolog-1/Wnt/ $\beta$ -catenin signaling pathway regulation. <i>Experimental and Therapeutic Medicine</i> , <b>2018</b> , 15, 3563-3569	2.1	5
49	Kilohertz organic complementary inverters driven by surface-grafting conducting polypyrrole electrodes. <i>Solid-State Electronics</i> , <b>2016</b> , 123, 51-57	1.7	5
48	A novel method to synthesize CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> with acetylacetonate precursor. <i>Materials Letters</i> , <b>2016</b> , 181, 71-73	3.3	5
47	Effects of reagent gas composition on the morphology and optical properties of Cu <sub>2</sub> S nanowire arrays. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 662, 263-267	5.7	5
46	Growth of large-size-two-dimensional crystalline pentacene grains for high performance organic thin film transistors. <i>AIP Advances</i> , <b>2012</b> , 2, 022138	1.5	5
45	Controllable and reproducible fabrication of high anisotropic organic field effect transistors. <i>Thin Solid Films</i> , <b>2008</b> , 516, 5093-5097	2.2	5
44	Low-voltage polymer-dielectric-based organic field-effect transistors and applications. <i>Nano Select</i> ,	3.1	5
43	Eggshell-inspired membrane-shell strategy for simultaneously improving the sensitivity and detection range of strain sensors. <i>Science China Materials</i> , <b>2021</b> , 64, 717-726	7.1	5
42	Production, quality control of next-generation PET radioisotope iodine-124 and its thyroid imaging. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2018</b> , 318, 1999-2006	1.5	5
41	Mechanical property enhancement of cubic boron nitride composites through additive diamond. <i>Diamond and Related Materials</i> , <b>2019</b> , 96, 20-24	3.5	4
40	Tuning the aggregation structure and electrical property of 2,6-diphenyl-anthracene by the density of octadecyltrichlorosilane. <i>Science China Chemistry</i> , <b>2016</b> , 59, 1645-1650	7.9	4
39	Solution-processable precursor route for fabricating ultrathin silica film for high performance and low voltage organic transistors. <i>Chinese Chemical Letters</i> , <b>2017</b> , 28, 2143-2146	8.1	4
38	Growth of Ultrathin Organic Semiconductor Microstripes with Thickness Control in the Monolayer Precision. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 12762-12767	3.6	4
37	Microstructured Ultrathin Organic Semiconductor Film via Dip-Coating: Precise Assembly and Diverse Applications. <i>Accounts of Materials Research</i> , <b>2020</b> , 1, 201-212	7.5	4
36	Polymer mask-weakening grain-boundary effect: towards high-performance organic thin-film transistors with mobility closing to 20 cm <sup>2</sup> V <sup>-1</sup> s <sup>-1</sup> . <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 2990-2994	7.8	4
35	2D PbS Nanosheets with Zigzag Edges for Efficient CO Photoconversion. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 13601-13605	4.8	4
34	Recent Advances of Nanospheres Lithography in Organic Electronics. <i>Small</i> , <b>2021</b> , 17, e2100724	11	4
33	Organic Semiconductor Crystal Engineering for High-Resolution Layer-Controlled 2D Crystal Arrays. <i>Advanced Materials</i> , <b>2021</b> , e2104166	24	4



32	Stamp recyclable contact printing of liquid droplet matrix on various surfaces. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 10971-10975	7.1	3
31	Multi-species micropatterning of organic materials by liquid droplet array transfer printing. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 183702	3.4	3
30	Fabrication of composites with excellent mechanical properties based on cubic boron nitride reinforced with carbon nanotubes. <i>Ceramics International</i> , <b>2019</b> , 45, 14287-14290	5.1	3
29	Extremely Sensitive, Allochroic Airflow Sensors by Synergistic Effect of Reversible Water Molecules Adsorption and Tunable Interlayer Distance in Graphene Oxide Film. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1900365	4.6	3
28	Effect of fluorination on the surface electrical properties of epoxy resin insulation. <i>Applied Physics A: Materials Science and Processing</i> , <b>2015</b> , 118, 757-762	2.6	3
27	Fabrication of flexible thin organic transistors by trace water assisted transfer method. <i>Chinese Chemical Letters</i> , <b>2018</b> , 29, 1681-1684	8.1	3
26	Collision-induced spin-orbit relaxation of highly vibrationally excited NO near 1 K. <i>Natural Sciences</i> , e20210074	3	
25	Polymer-Assisted Space-Confined Strategy for the Foot-Scale Synthesis of Flexible Metal-Organic Framework-Based Composite Films. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 17526-17534	16.4	3
24	Cu(In,Ga)S <sub>2</sub> nanowire arrays: Self-templated synthesis and application for photoelectrochemical water splitting. <i>Materials Characterization</i> , <b>2021</b> , 172, 110900	3.9	3
23	Synthesis and light absorption properties of copper sulfide nanowire arrays on different substrates. <i>Physica B: Condensed Matter</i> , <b>2018</b> , 550, 26-31	2.8	3
22	Band-Like Charge Transport in Small-Molecule Thin Film toward High-Performance Organic Phototransistors at Low Temperature. <i>Advanced Optical Materials</i> , <b>2022</b> , 10, 2102484	8.1	3
21	Balancing the film strain of organic semiconductors for ultrastable organic transistors with a five-year lifetime.. <i>Nature Communications</i> , <b>2022</b> , 13, 1480	17.4	3
20	Air-stable ambipolar field-effect transistors based on copper phthalocyanine and tetracyanoquinodimethane. <i>Research on Chemical Intermediates</i> , <b>2008</b> , 34, 147-153	2.8	2
19	Copper Tetracyanoquinodimethane: From Micro/Nanostructures to Applications. <i>Small</i> , <b>2021</b> , 17, e2004143	14.3	2
18	Engineering the Interfacial Materials of Organic Field-Effect Transistors for Efficient Charge Transport. <i>Accounts of Materials Research</i> , <b>2021</b> , 2, 159-169	7.5	2
17	In situ observation of organic single micro-crystal fabrication by solvent vapor annealing. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 9124-9129	7.1	2
16	Fluorinated Dielectrics-Modulated Organic Phototransistors and Flexible Image Sensors. <i>Advanced Optical Materials</i> , 2200614	8.1	2
15	Single-Walled Carbon Nanotubes: Solution-Processing of High-Purity Semiconducting Single-Walled Carbon Nanotubes for Electronics Devices (Adv. Mater. 9/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970063	24	1



14	Thermal behavior and properties of CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> ceramic synthesized by organo-metallic compound. <i>Applied Physics A: Materials Science and Processing</i> , <b>2018</b> , 124, 1	2.6	1
13	Twist Angle-Dependent Interface Thermal Conductance in MoS <sub>2</sub> Bilayers. <i>Journal of Electronic Materials</i> ,1	1.9	1
12	Printed thin film transistors with 10 <sup>8</sup> on/off ratios and photoelectrical synergistic characteristics using isoindigo-based polymers-enriched (9,8) carbon nanotubes. <i>Nano Research</i> ,1	10	1
11	Distinct Cu <sub>2</sub> S micro/nano structure arrays: preparation and optical properties. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 11758-11763	2.1	0
10	A Centrosymmetric Organic Semiconductor with Donor-Acceptor Interaction for Highly Photostable Organic Transistors. <i>Advanced Functional Materials</i> ,2111705	15.6	0
9	Thermally-enhanced photo-electric response of an organic semiconductor with low exciton binding energy for simultaneous and distinguishable detection of light and temperature. <i>Science China Chemistry</i> ,1	7.9	0
8	Substitution site effect of naphthyl substituted anthracene derivatives and their applications in organic optoelectronics. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 15597-15602	7.1	0
7	Nanospheres Lithography: Recent Advances of Nanospheres Lithography in Organic Electronics (Small 28/2021). <i>Small</i> , <b>2021</b> , 17, 2170145	11	0
6	Recent Progress in Polymer-based Infrared Photodetectors. <i>Journal of Materials Chemistry C</i> ,	7.1	0
5	Airflow Sensors: Extremely Sensitive, Allochroic Airflow Sensors by Synergistic Effect of Reversible Water Molecules Adsorption and Tunable Interlayer Distance in Graphene Oxide Film (Adv. Mater. Interfaces 9/2019). <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1970059	4.6	
4	EFFECTS OF DIRECT FLUORINATION ON SURFACE CONDUCTIVITY OF EPOXY RESIN INSULATORS. <i>Surface Review and Letters</i> , <b>2014</b> , 21, 1450084	1.1	
3	Production of <sup>62</sup> Zn radioactive nuclear beam and on-line PAC investigation of quadrupole interaction in nano-magnetic material Fe <sub>73.5</sub> Cu <sub>1</sub> Nb <sub>3</sub> Si <sub>13.5</sub> B <sub>9</sub> . <i>Hyperfine Interactions</i> , <b>2013</b> , 222, 87-93	0.8	
2	In situ one-step synthesis of CuInS <sub>2</sub> thin films with different morphologies and their optical properties. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2022</b> , 33, 2995	2.1	
1	Armadillo-inspired micro-foldable metal electrodes with a negligible resistance change under large stretchability. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 4046-4052	7.1	