

# Jinhua Li

## List of Publications by Citations

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144  
papers

6,225  
citations

40  
h-index

75  
g-index

152  
ext. papers

7,486  
ext. citations

8.1  
avg, IF

6.24  
L-index

#	Paper	IF	Citations
144	Infrared photodetectors based on CVD-grown graphene and PbS quantum dots with ultrahigh responsivity. <i>Advanced Materials</i> , <b>2012</b> , 24, 5878-83	24	579
143	The application of highly doped single-layer graphene as the top electrodes of semitransparent organic solar cells. <i>ACS Nano</i> , <b>2012</b> , 6, 810-8	16.7	270
142	Photosensitive graphene transistors. <i>Advanced Materials</i> , <b>2014</b> , 26, 5239-73	24	247
141	3D printing of hydrogels: Rational design strategies and emerging biomedical applications. <i>Materials Science and Engineering Reports</i> , <b>2020</b> , 140, 100543	30.9	241
140	Package-free flexible organic solar cells with graphene top electrodes. <i>Advanced Materials</i> , <b>2013</b> , 25, 4296-301	24	229
139	Reduced Graphene Oxide/Polyurethane Nanocomposite Foam as a Reusable Photoreceiver for Efficient Solar Steam Generation. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 5629-5635	9.6	205
138	Enhanced efficiency of polymer solar cells by adding a high-mobility conjugated polymer. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 1463-1470	35.4	204
137	Solution processable low-voltage organic thin film transistors with high-k relaxor ferroelectric polymer as gate insulator. <i>Advanced Materials</i> , <b>2012</b> , 24, 88-93	24	202
136	Hole-transporting transistors and circuits based on the transparent inorganic semiconductor copper(I) thiocyanate (CuSCN) processed from solution at room temperature. <i>Advanced Materials</i> , <b>2013</b> , 25, 1504-9	24	171
135	Accessible Graphene Aerogel for Efficiently Harvesting Solar Energy. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 4665-4671	8.3	169
134	Copper(I) Thiocyanate (CuSCN) Hole-Transport Layers Processed from Aqueous Precursor Solutions and Their Application in Thin-Film Transistors and Highly Efficient Organic and Organometal Halide Perovskite Solar Cells. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1701818	15.6	159
133	A regulatory gene induces trichome formation and embryo lethality in tomato. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 11836-41	11.5	132
132	Oxygen plasma treated graphene aerogel as a solar absorber for rapid and efficient solar steam generation. <i>Carbon</i> , <b>2018</b> , 130, 250-256	10.4	116
131	Solution-gated graphene transistors for chemical and biological sensors. <i>Advanced Healthcare Materials</i> , <b>2014</b> , 3, 313-31	10.1	116
130	Investigation on enhancing effects of Au nanoparticles on solar steam generation in graphene oxide nanofluids. <i>Applied Thermal Engineering</i> , <b>2017</b> , 114, 961-968	5.8	106
129	Tomato SIDREB gene restricts leaf expansion and internode elongation by downregulating key genes for gibberellin biosynthesis. <i>Journal of Experimental Botany</i> , <b>2012</b> , 63, 6407-20	7	94
128	PEGylated Self-Growth MoS on a Cotton Cloth Substrate for High-Efficiency Solar Energy Utilization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 24583-24589	9.5	93

127	A STAY-GREEN protein SISGR1 regulates lycopene and $\beta$ -carotene accumulation by interacting directly with SPSY1 during ripening processes in tomato. <i>New Phytologist</i> , <b>2013</b> , 198, 442-452	9.8	91
126	Regulating infrared photoresponses in reduced graphene oxide phototransistors by defect and atomic structure control. <i>ACS Nano</i> , <b>2013</b> , 7, 6310-20	16.7	89
125	N-Type Organic Semiconductors Based on $\beta$ -Deficient Pentacenequinones: Synthesis, Electronic Structures, Molecular Packing, and Thin Film Transistors. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 6438-6443	9.6	88
124	Facile synthesis of PEG based shape-stabilized phase change materials and their photo-thermal energy conversion. <i>Applied Thermal Engineering</i> , <b>2015</b> , 91, 630-637	5.8	85
123	Platinum(II)-bis(aryleneethynylene) complexes for solution-processible molecular bulk heterojunction solar cells. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 1502-11	4.8	85
122	Synthesis, microstructures and UV-vis absorption properties of $\text{Ni(OH)}_2$ nanoplates and NiO nanostructures. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 4221-4225	1.6	70
121	Toward Sensitive Room-Temperature Broadband Detection from Infrared to Terahertz with Antenna-Integrated Black Phosphorus Photoconductor. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1604414	15.6	68
120	Thermal Stability-Enhanced and High-Efficiency Planar Perovskite Solar Cells with Interface Passivation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 38467-38476	9.5	66
119	Enhanced photovoltaic performance of polymer solar cells by adding fullerene end-capped polyethylene glycol. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 6848		64
118	Highly photosensitive thin film transistors based on a composite of poly(3-hexylthiophene) and titania nanoparticles. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 074501	2.5	61
117	The application of a high-k polymer in flexible low-voltage organic thin-film transistors. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 15998		58
116	Enhancement of hole mobility of poly(3-hexylthiophene) induced by titania nanorods in composite films. <i>Advanced Materials</i> , <b>2011</b> , 23, 3648-52	24	58
115	Solution-processable organic and hybrid gate dielectrics for printed electronics. <i>Materials Science and Engineering Reports</i> , <b>2018</b> , 127, 1-36	30.9	55
114	A facile strategy to synthesize three-dimensional Pd@Pt core-shell nanoflowers supported on graphene nanosheets as enhanced nanoelectrocatalysts for methanol oxidation. <i>Chemical Communications</i> , <b>2015</b> , 51, 10490-3	5.8	53
113	High-Performance Solution-Processed Low-Voltage Polymer Thin-Film Transistors With Low- $\kappa$ /High- $\kappa$ Bilayer Gate Dielectric. <i>IEEE Electron Device Letters</i> , <b>2015</b> , 36, 950-952	4.4	53
112	Highly sensitive organic near-infrared phototransistors based on poly(3-hexylthiophene) and PbS quantum dots. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 21673		53
111	Guanidinium induced phase separated perovskite layer for efficient and highly stable solar cells. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 9486-9496	13	51
110	Solution-processable low-voltage and flexible floating-gate memories based on an n-type polymer semiconductor and high-k polymer gate dielectrics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 12815-20	8.5	49

109	Low-temperature and one-pot synthesis of sulfurized graphene nanosheets via in situ doping and their superior electrocatalytic activity for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 20714-20722	13	48
108	Nickel oxide for inverted structure perovskite solar cells. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 52, 393-411	12	46
107	Genomic Organization, Phylogenetic and Expression Analysis of the B-BOX Gene Family in Tomato. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 1552	6.2	42
106	Enhanced performance of hybrid solar cells based on ordered electrospun ZnO nanofibers modified with CdS on the surface. <i>Organic Electronics</i> , <b>2012</b> , 13, 1569-1575	3.5	40
105	Investigation of High-Performance Air-Processed Poly(3-hexylthiophene)/Methanofullerene Bulk-Heterojunction Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 21873-21877	3.8	40
104	Super-hydrophilic copper sulfide films as light absorbers for efficient solar steam generation under one sun illumination. <i>Semiconductor Science and Technology</i> , <b>2018</b> , 33, 025008	1.8	39
103	3D Bicontinuous Nanoporous Reduced Graphene Oxide for Highly Sensitive Photodetectors. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 1271-1277	15.6	39
102	Inorganic Electron Transport Materials in Perovskite Solar Cells. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008300	15.6	39
101	Hierarchical architected MnCO <sub>3</sub> microdumbbells: facile synthesis and enhanced performance for lithium ion batteries. <i>CrystEngComm</i> , <b>2015</b> , 17, 6450-6455	3.3	38
100	The influence of gate dielectrics on a high-mobility n-type conjugated polymer in organic thin-film transistors. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 033301	3.4	37
99	Strong lithium polysulfides chemical trapping of TiC-TiO <sub>2</sub> /S composite for long-cycle lithium-sulfur batteries. <i>Electrochimica Acta</i> , <b>2019</b> , 298, 43-51	6.7	37
98	Flexible and portable graphene on carbon cloth as a power generator for electricity generation. <i>Carbon</i> , <b>2018</b> , 140, 488-493	10.4	36
97	Green emitting N,S-co-doped carbon dots for sensitive fluorometric determination of Fe(III) and Ag(I) ions, and as a solvatochromic probe. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 510	5.8	35
96	p-Doping of Copper(I) Thiocyanate (CuSCN) Hole-Transport Layers for High-Performance Transistors and Organic Solar Cells. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1802055	15.6	34
95	Microstructure and ferroelectric properties of sol-gel derived Bi <sub>3.15</sub> Nd <sub>0.85</sub> Ti <sub>3</sub> O <sub>12</sub> thin films on Pt/TiO <sub>2</sub> /Si(100). <i>Applied Physics Letters</i> , <b>2004</b> , 85, 3193-3195	3.4	34
94	Guanidinium Passivation for Air-Stable Rubidium-Incorporated Cs(1-x)Rb <sub>x</sub> PbI <sub>2</sub> Br Inorganic Perovskite Solar Cells. <i>Solar Rrl</i> , <b>2020</b> , 4, 2000112	7.1	32
93	Bias Stress Stability Improvement in Solution-Processed Low-Voltage Organic Field-Effect Transistors Using Relaxor Ferroelectric Polymer Gate Dielectric. <i>IEEE Electron Device Letters</i> , <b>2017</b> , 38, 748-751	4.4	30
92	Seed-Assisted Growth for Low-Temperature-Processed All-Inorganic CsPbI <sub>3</sub> Solar Cells with Efficiency over 10. <i>Small</i> , <b>2020</b> , 16, e2001535	11	30

91	Functional Carbon Quantum Dots for Highly Sensitive Graphene Transistors for Cu Ion Detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 4797-4803	9.5	30
90	Functionalized carbon materials for efficient solar steam and electricity generation. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 222, 159-164	4.4	30
89	Coherent polyaniline/graphene oxides/multi-walled carbon nanotubes ternary composites for asymmetric supercapacitors. <i>Electrochimica Acta</i> , <b>2016</b> , 191, 165-172	6.7	29
88	Highly conductive and transparent silver grid/metal oxide hybrid electrodes for low-temperature planar perovskite solar cells. <i>Journal of Power Sources</i> , <b>2017</b> , 337, 118-124	8.9	29
87	Highly sensitive solution-gated graphene transistors for label-free DNA detection. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 136, 91-96	11.8	27
86	Durian-like NiS <sub>2</sub> @rGO nanocomposites and their enhanced rate performance. <i>Chemical Engineering Journal</i> , <b>2018</b> , 335, 275-281	14.7	27
85	Salt-resistant carbon dots modified solar steam system enhanced by chemical advection. <i>Carbon</i> , <b>2021</b> , 176, 313-326	10.4	25
84	Plasmonic enhancement for high-efficiency planar heterojunction perovskite solar cells. <i>Journal of Power Sources</i> , <b>2019</b> , 432, 112-118	8.9	23
83	Low-Temperature and Solution-Processable Zinc Oxide Transistors for Transparent Electronics. <i>ACS Omega</i> , <b>2017</b> , 2, 8990-8996	3.9	23
82	Stable metallic 1T phase engineering of molybdenum disulfide for enhanced solar vapor generation. <i>Solar Energy Materials and Solar Cells</i> , <b>2020</b> , 204, 110227	6.4	23
81	Efficient and stable flexible perovskite solar cells based on graphene-AgNWs substrate and carbon electrode without hole transport materials. <i>Journal of Power Sources</i> , <b>2021</b> , 482, 228953	8.9	23
80	Highly luminescent covalently bonded layered double hydroxide/fluorescent dye nanohybrids. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 4490-4494	7.1	22
79	High carrier mobility low-voltage ZnO thin film transistors fabricated at a low temperature via solution processing. <i>Ceramics International</i> , <b>2018</b> , 44, 11751-11756	5.1	21
78	Lignin-derived red-emitting carbon dots for colorimetric and sensitive fluorometric detection of water in organic solvents. <i>Analytical Methods</i> , <b>2020</b> , 12, 3218-3224	3.2	20
77	Genome-Wide Identification and Expression Analysis of the Protease Inhibitor Gene Families in Tomato. <i>Genes</i> , <b>2019</b> , 11,	4.2	20
76	An efficient guanidinium isothiocyanate additive for improving the photovoltaic performances and thermal stability of perovskite solar cells. <i>Electrochimica Acta</i> , <b>2018</b> , 291, 297-303	6.7	20
75	A Free-Standing and Self-Healable 2D Supramolecular Material Based on Hydrogen Bonding: A Nanowire Array with Sub-2-nm Resolution. <i>Small</i> , <b>2017</b> , 13, 1604077	11	19
74	Mechanism of Water Effect on Enhancing the Photovoltaic Performance of Triple-Cation Hybrid Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 12699-12708	9.5	19

73	Solution-gated transistors of two-dimensional materials for chemical and biological sensors: status and challenges. <i>Nanoscale</i> , <b>2020</b> , 12, 11364-11394	7.7	19
72	Genome-wide identification and expression analysis of the BTB domain-containing protein gene family in tomato. <i>Genes and Genomics</i> , <b>2018</b> , 40, 1-15	2.1	19
71	Controllable microstructure of polymer-small molecule blend thin films for high-performance organic field-effect transistors. <i>Applied Surface Science</i> , <b>2019</b> , 498, 143822	6.7	18
70	SlbZIP38, a Tomato bZIP Family Gene Downregulated by Abscisic Acid, Is a Negative Regulator of Drought and Salt Stress Tolerance. <i>Genes</i> , <b>2017</b> , 8,	4.2	18
69	Room-temperature photoconduction assisted by hot-carriers in graphene for sub-terahertz detection. <i>Carbon</i> , <b>2018</b> , 130, 233-240	10.4	17
68	Novel Integrated Helical Design of Single Optic Fiber for Shape Sensing of Flexible Robot. <i>IEEE Sensors Journal</i> , <b>2017</b> , 17, 6627-6636	4	17
67	Towards sensitive terahertz detection via thermoelectric manipulation using graphene transistors. <i>NPG Asia Materials</i> , <b>2018</b> , 10, 318-327	10.3	16
66	Yolk-double shell Fe <sub>3</sub> O <sub>4</sub> @C@C composite as high-performance anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 822, 153656	5.7	16
65	Non-invasive detection of glucose via a solution-gated graphene transistor. <i>Analyst, The</i> , <b>2020</b> , 145, 887-896	16	16
64	HyPRP1 Gene Suppressed by Multiple Stresses Plays a Negative Role in Abiotic Stress Tolerance in Tomato. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 967	6.2	16
63	Synthesis of disk-like LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> nanoplates with exposed (001) planes and their enhanced rate performance in a lithium ion battery. <i>CrystEngComm</i> , <b>2017</b> , 19, 442-446	3.3	14
62	Organic Dye Passivation for High-Performance All-Inorganic CsPbI <sub>1.5</sub> Br <sub>1.5</sub> Perovskite Solar Cells with Efficiency over 14%. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2003585	21.8	14
61	Tandem 13-Lipoxygenase Genes in a Cluster Confers Yellow-Green Leaf in Cucumber. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	13
60	Construction of high-strength p(HEMA-co-AA) fluorescent hydrogels based on modified carbon dots as chemically crosslinkers. <i>Colloid and Polymer Science</i> , <b>2018</b> , 296, 745-752	2.4	13
59	Genome-Wide Identification and Expression Analysis of the UGlcAE Gene Family in Tomato. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	12
58	Cucumber Metallothionein-Like 2 (CsMTL2) Exhibits Metal-Binding Properties. <i>Genes</i> , <b>2016</b> , 7,	4.2	12
57	Knockdown of a JmjC domain-containing gene JMJ524 confers altered gibberellin responses by transcriptional regulation of GRAS protein lacking the DELLA domain genes in tomato. <i>Journal of Experimental Botany</i> , <b>2015</b> , 66, 1413-26	7	11
56	Amine-passivated ZnO electron transport layer for thermal stability-enhanced perovskite solar cells. <i>Solar Energy</i> , <b>2020</b> , 204, 223-230	6.8	11



55	Intensifying Solar Interfacial Heat Accumulation for Clean Water Generation Excluding Heavy Metal Ions and Oil Emulsions. <i>Solar Rrl</i> , 2100427	7.1	11
54	a Multiple Stress-Responsive Gene Confers Salt Tolerance in Tomato and Tobacco. <i>International Journal of Molecular Sciences</i> , 2019, 20,	6.3	10
53	One-pot synthesis of lightweight nitrogen-doped graphene hydrogels with supercapacitive properties. <i>Materials Research Bulletin</i> , 2015, 68, 245-253	5.1	10
52	Ultrasensitive Fe <sup>3+</sup> ion detection based on carbon quantum dot-functionalized solution-gated graphene transistors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4685-4689	7.1	10
51	A sensitive porphyrin/reduced graphene oxide electrode for simultaneous detection of guanine and adenine. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 2055-2062	2.6	10
50	Controlled Synthesis of Long-Wavelength Multicolor-Emitting Carbon Dots for Highly Efficient Tandem Luminescent Solar Concentrators. <i>ACS Applied Energy Materials</i> , 2020, 3, 12230-12237	6.1	10
49	Recent Advances in Hybridization, Doping, and Functionalization of 2D Xenes. <i>Advanced Functional Materials</i> , 2021, 31, 2005471	15.6	10
48	Porous SnO <sub>2</sub> hexagonal prism-attached Pd/rGO with enhanced electrocatalytic activity for methanol oxidation. <i>RSC Advances</i> , 2017, 7, 29909-29915	3.7	9
47	High efficient and long-time stable planar heterojunction perovskite solar cells with doctor-bladed carbon electrode. <i>Journal of Power Sources</i> , 2019, 424, 61-67	8.9	9
46	Wettability Control of Interfaces for High-Performance Organic Thin-Film Transistors by Soluble Insulating Polymer Films. <i>ACS Omega</i> , 2020, 5, 10891-10899	3.9	9
45	Single-Step Hydrothermal Synthesis of N, S-Dual-Doped Graphene Networks as Metal-Free Efficient Electrocatalysts for Oxygen Reduction Reaction. <i>ChemistrySelect</i> , 2018, 3, 3241-3250	1.8	9
44	Hybrid solar cells based on poly(3-hexylthiophene) and electrospun TiO <sub>2</sub> nanofibers modified with CdS nanoparticles. <i>Progress in Natural Science: Materials International</i> , 2013, 23, 514-518	3.6	9
43	Inorganic Solar Cells Based on Electrospun ZnO Nanofibrous Networks and Electrodeposited Cu <sub>2</sub> O. <i>Nanoscale Research Letters</i> , 2015, 10, 465	5	9
42	8-aminoquinoline functionalized graphene oxide for simultaneous determination of guanine and adenine. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 1357-1364	2.6	8
41	Hierarchical LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> micro-rods with enhanced rate performance for lithium-ion batteries. <i>Journal of Materials Science</i> , 2018, 53, 9710-9720	4.3	8
40	Synthesis, characterization and photovoltaic properties of benzo[1,2-b:4,5-b']dithiophene-bridged molecules. <i>RSC Advances</i> , 2014, 4, 63260-63267	3.7	8
39	Achieving steam and electrical power from solar energy by MoS <sub>2</sub> -based composites. <i>Chemical Engineering Journal</i> , 2022, 427, 131008	14.7	8
38	Identification and Expression Pattern of a ZPR1 Gene in Wild Tomato ( <i>Solanum Pennellii</i> ). <i>Plant Molecular Biology Reporter</i> , 2013, 31, 409-417	1.7	7

37	Good conductivity of a single component polydiacetylene film. <i>Organic Electronics</i> , <b>2017</b> , 49, 174-178	3.5	7
36	Achieving Efficient and Stable Perovskite Solar Cells in Ambient Air Through Non-Halide Engineering. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2102169	21.8	7
35	Trap-Assisted Charge Storage in Titania Nanocrystals toward Optoelectronic Nonvolatile Memory. <i>Nano Letters</i> , <b>2021</b> , 21, 723-730	11.5	7
34	Chinese hydrangea lantern-like CoS@MoS composites with enhanced lithium-ion battery properties. <i>Nanoscale</i> , <b>2020</b> , 12, 3435-3442	7.7	7
33	Highly efficient and stable carbon-based perovskite solar cells with the polymer hole transport layer. <i>Solar Energy</i> , <b>2021</b> , 220, 491-497	6.8	7
32	Synthesis of a novel kind of uniform fluorescent silica colloids and their assembled photonic film for sensitive detection of Cu <sup>2+</sup> ions. <i>Materials Express</i> , <b>2017</b> , 7, 351-360	1.3	6
31	Reduced Graphene Oxide-Supported Cobalt Phosphide Nanoflowers via in situ Hydrothermal Synthesis as Pt-Free Effective Electrocatalysts for Oxygen Reduction Reaction. <i>Nano</i> , <b>2018</b> , 13, 1850047	1.1	6
30	Carbon dot-based inverse opal hydrogels with photoluminescence: dual-mode sensing of solvents and metal ions. <i>Analyst, The</i> , <b>2019</b> , 144, 5802-5809	5	6
29	Ultrasensitive Label-Free DNA Detection Based on Solution-Gated Graphene Transistors Functionalized with Carbon Quantum Dots.. <i>Analytical Chemistry</i> , <b>2022</b> ,	7.8	6
28	Characterization analysis and heavy metal-binding properties of in. <i>FEBS Open Bio</i> , <b>2018</b> , 8, 1820-1829	2.7	6
27	A tomato proline-, lysine-, and glutamic-rich type gene SpPKE1 positively regulates drought stress tolerance. <i>Biochemical and Biophysical Research Communications</i> , <b>2018</b> , 499, 777-782	3.4	5
26	In situ synthesis of crosslinked-polyaniline nano-pillar arrays/reduced graphene oxide nanocomposites for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , <b>2016</b> , 20, 665-671	2.6	5
25	Dual-Mode High-Sensitive Detection of Fe(III) Ions via Fluorescent Photonic Crystal Films Based on Co-Assembly of Silica Colloids and Carbon Dots. <i>Science of Advanced Materials</i> , <b>2017</b> , 9, 873-880	2.3	5
24	GaSe layered nanorods formed by liquid phase exfoliation for resistive switching memory applications. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 823, 153697	5.7	5
23	Aptamer-Based Solution-Gated Graphene Transistors for Highly Sensitive and Real-Time Detection of Thrombin Molecules. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 13673-13679	7.8	5
22	Fast and low temperature processed CsPbI <sub>3</sub> perovskite solar cells with ZnO as electron transport layer. <i>Journal of Power Sources</i> , <b>2020</b> , 480, 229134	8.9	4
21	Synthesis of shell-in-shell LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> hollow microspheres and their enhanced performance for lithium ion batteries. <i>Materials Letters</i> , <b>2016</b> , 173, 141-144	3.3	4
20	Impact of Temperature-Dependent Hydration Water on Perovskite Solar Cells. <i>Solar Rrl</i> , <b>2020</b> , 4, 1900370	0.1	4



19	Development of a teleoperation system based on virtual environment <b>2011</b> ,		3
18	Performance Improvement of Perovskite Solar Cells by Using Ionic Liquid BMIMPF <sub>6</sub> as an Interface Modifier. <i>ACS Applied Energy Materials</i> ,	6.1	3
17	Solid-state photoluminescent silicone-carbon dots/dendrimer composites for highly efficient luminescent solar concentrators. <i>Chemical Engineering Journal</i> , <b>2021</b> , 422, 130158	14.7	3
16	Antioxidant, and enhanced flexible nano porous scaffolds for bone tissue engineering applications. <i>Nano Select</i> , <b>2021</b> , 2, 1356-1367	3.1	3
15	Efficient polysulfide anchor: brain coral-like WS <sub>2</sub> nanosheets. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 12031-12040	11.3	3
14	Planar visible/near infrared photodetectors based on organic/inorganic hybrid perovskite single crystal bulks. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 414003	3	2
13	Hierarchical LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> microspheres assembled with nanorice and their enhanced rates performance. <i>Materials Letters</i> , <b>2019</b> , 236, 653-656	3.3	2
12	F <sub>r</sub> öhlich polaron effect in flexible low-voltage organic thin-film transistors gated with high-k polymer dielectrics. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 444001	3	2
11	Solution-processed NiO x nanoparticles with a wide pH window as an efficient hole transport material for high performance tin-based perovskite solar cells. <i>Journal Physics D: Applied Physics</i> , <b>2021</b> , 54, 144002	3	2
10	Tunable transition metal complexes as hole transport materials for stable perovskite solar cells. <i>Chemical Communications</i> , <b>2021</b> , 57, 2093-2096	5.8	2
9	Aggregation-Induced Emission Boosting the Study of Polymer Science.. <i>Macromolecular Rapid Communications</i> , <b>2022</b> , e2200080	4.8	2
8	2D Materials: A Free-Standing and Self-Healable 2D Supramolecular Material Based on Hydrogen Bonding: A Nanowire Array with Sub-2-nm Resolution (Small 21/2017). <i>Small</i> , <b>2017</b> , 13,	11	1
7	Controlled Shape Transformation and Loading Release of Smart Hemispherical Hybrid Microgels Triggered by Inner Engines <i>ChemistrySelect</i> , <b>2018</b> , 3, 4067-4074	1.8	1
6	Design of a novel force-reflecting haptic device for minimally invasive surgery robot <b>2013</b> ,		1
5	Linear pyroelectric sensor array based on PCLT/P(VDF/TrFE) composite. <i>Integrated Ferroelectrics</i> , <b>2001</b> , 35, 87-95	0.8	1
4	Electron Transport Materials: Inorganic Electron Transport Materials in Perovskite Solar Cells (Adv. Funct. Mater. 5/2021). <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2170032	15.6	1
3	An Enhanced Hemostatic Ultrasonic Scalpel Based on the Longitudinal-Torsional Vibration Mode. <i>IEEE Access</i> , <b>2021</b> , 9, 10951-10961	3.5	1
2	Photoresponsive Biomimetic Soft Robots Enabled by Near-Infrared-Driven and Ultrarobust Sandwich-Structured Nanocomposite Films. <i>Advanced Intelligent Systems</i> , <b>2021</b> , 3, 2100012	6	1

- 1 Photoresponsive Biomimetic Soft Robots Enabled by Near-Infrared-Driven and Ultrarobust Sandwich-Structured Nanocomposite Films. *Advanced Intelligent Systems*, **2021**, 3, 2170067

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