

# Jian-hua Zhang

## List of Publications by Year in descending order

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170  
papers

2,851  
citations

218677

26  
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233421

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g-index

170  
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170  
docs citations

170  
times ranked

3395  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in quantum dot-based light-emitting devices: Challenges and possible solutions. <i>Materials Today</i> , 2019, 24, 69-93.	14.2	213
2	A flexible pressure sensor based on an MXeneâ€“textile network structure. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1022-1027.	5.5	183
3	Highly Sensitive Flexible Piezoresistive Pressure Sensor Developed Using Biomimetically Textured Porous Materials. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 29466-29473.	8.0	171
4	High Efficiency and Stable Quantum Dot Light-Emitting Diodes Enabled by a Solution-Processed Metal-Doped Nickel Oxide Hole Injection Interfacial Layer. <i>Advanced Functional Materials</i> , 2017, 27, 1704278.	14.9	114
5	Stable, Glassy, and Versatile Binaphthalene Derivatives Capable of Efficient Hole Transport, Hosting, and Deep Blue Light Emission. <i>Advanced Functional Materials</i> , 2010, 20, 2448-2458.	14.9	73
6	All-solution processed inverted green quantum dot light-emitting diodes with concurrent high efficiency and long lifetime. <i>Materials Horizons</i> , 2019, 6, 2009-2015.	12.2	66
7	Pollen-Shaped Hierarchical Structure for Pressure Sensors with High Sensitivity in an Ultrabroad Linear Response Range. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 55362-55371.	8.0	58
8	Electrospun Yb-Doped In <sub>2</sub> O <sub>3</sub> Nanofiber Field-Effect Transistors for Highly Sensitive Ethanol Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 38425-38434.	8.0	55
9	Highly Sensitive Flexible Pressure Sensor by the Integration of Microstructured PDMS Film With a-IGZO TFTs. <i>IEEE Electron Device Letters</i> , 2018, 39, 1073-1076.	3.9	53
10	Improving Efficiency and Stability in Quasi-2D Perovskite Light-Emitting Diodes by a Multifunctional LiF Interlayer. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 43018-43023.	8.0	53
11	Efficient Tandem Quantum-Dot LEDs Enabled by An Inorganic Semiconductorâ€“Metalâ€“Dielectric Interconnecting Layer Stack. <i>Advanced Materials</i> , 2022, 34, e2108150.	21.0	53
12	High-Performance 1-V ZnO Thin-Film Transistors With Ultrathin, ALD-Processed ZrO <sub>2</sub> Gate Dielectric. <i>IEEE Transactions on Electron Devices</i> , 2019, 66, 3382-3386.	3.0	46
13	Artificial Synapse Emulated through Fully Aqueous Solution-Processed Low-Voltage In <sub>2</sub> O <sub>3</sub> Thin-Film Transistor with Gd <sub>2</sub> O <sub>3</sub> Solid Electrolyte. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 980-988.	8.0	45
14	Sunlight-like, color-temperature tunable white organic light-emitting diode with high color rendering index for solid-state lighting application. <i>Journal of Materials Chemistry</i> , 2012, 22, 22097.	6.7	44
15	A Selective-Area Metal Bonding InGaAsPâ€“Si Laser. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 1141-1143.	2.5	39
16	NIR Light-Degradable Antimony Nanoparticle-Based Drug-Delivery Nanosystem for Synergistic Chemoâ€“Photothermal Therapy in Vitro. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 48290-48299.	8.0	39
17	Low-temperature combustion synthesis and UV treatment processed p-type Li:NiO <sub>x</sub> active semiconductors for high-performance electronics. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12584-12591.	5.5	38
18	Effect of Two-Step Annealing on High Stability of a-IGZO Thin-Film Transistor. <i>IEEE Transactions on Electron Devices</i> , 2020, 67, 4262-4268.	3.0	38

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19	Improvement of the long-term stability of ZnSnO thin film transistors by tungsten incorporation using a solution-process method. RSC Advances, 2018, 8, 20990-20995.	3.6	35
20	All-Inorganic Quantum Dot Light-Emitting Diodes with Suppressed Luminance Quenching Enabled by Chloride Passivated Tungsten Phosphate Hole Transport Layers. Small, 2021, 17, e2100030.	10.0	33
21	Bright Blue Light-Emitting Doped Cesium Bromide Nanocrystals: Alternatives of Lead-Free Perovskite Nanocrystals for White LEDs. Advanced Optical Materials, 2019, 7, 1900108.	7.3	31
22	Li-Ion Doping as a Strategy to Modulate the Electrical Double-Layer for Improved Memory and Learning Behavior of Synapse Transistor Based on Fully Aqueous-Solution-Processed In <sub>2</sub> O <sub>3</sub> /ALiO Film. Advanced Electronic Materials, 2020, 6, 1901363.	5.1	31
23	DCC-Mediated Dab1 Phosphorylation Participates in the Multipolar-to-Bipolar Transition of Migrating Neurons. Cell Reports, 2018, 22, 3598-3611.	6.4	30
24	Aqueous-solution-processed proton-conducting carbon nitride/polyvinylpyrrolidone composite electrolytes for low-power synaptic transistors with learning and memory functions. Journal of Materials Chemistry C, 2020, 8, 4065-4072.	5.5	30
25	Manipulation of electron deficiency of $\hat{\text{I}}$ -carboline derivatives as bipolar hosts for blue phosphorescent organic light-emitting diodes with high efficiency at $1000 \text{ cd m}^{-2}$ . Journal of Materials Chemistry C, 2016, 4, 4226-4235.	5.5	29
26	Morphology Modulation of Direct Inkjet Printing by Incorporating Polymers and Surfactants into a Sol-Gel Ink System. Langmuir, 2018, 34, 6413-6419.	3.5	28
27	Photoelectric IGZO Electric-Double-Layer Transparent Artificial Synapses for Emotional State Simulation. ACS Applied Electronic Materials, 2019, 1, 2406-2414.	4.3	28
28	Yellow fluorescent graphene quantum dots as a phosphor for white tunable light-emitting diodes. RSC Advances, 2019, 9, 9301-9307.	3.6	27
29	Light-Stimulated Artificial Synapse with Memory and Learning Functions by Utilizing an Aqueous Solution-Processed In <sub>2</sub> O <sub>3</sub> /ALiO Thin-Film Transistor. ACS Applied Electronic Materials, 2020, 2, 2772-2779.	4.3	27
30	Temperature stress on a thin film transistor with a novel BaZnSnO semiconductor using a solution process. RSC Advances, 2015, 5, 9621-9626.	3.6	26
31	Efficient All-Solution-Processed Perovskite Light-Emitting Diodes Enabled by Small-Molecule Doped Electron Injection Layers. Advanced Optical Materials, 2020, 8, 1900567.	7.3	25
32	Detection of N,N-dimethylformamide vapor down to ppb level using electrospun InYbO nanofibers field-effect transistor. Sensors and Actuators B: Chemical, 2020, 323, 128676.	7.8	24
33	Scalable Solution-Processed Fabrication Approach for High-Performance Silver Nanowire/MXene Hybrid Transparent Conductive Films. Nanomaterials, 2021, 11, 1360.	4.1	24
34	Effect of La Addition on the Electrical Characteristics and Stability of Solution-Processed LaInO Thin-Film Transistors With High- $\kappa$ ZrO <sub>2</sub> Gate Insulator. IEEE Transactions on Electron Devices, 2018, 65, 526-532.	3.0	23
35	A seed-mediated and double shell strategy to realize large-size ZnSe/ZnS/ZnS quantum dots for high color purity blue light-emitting diodes. Nanoscale, 2021, 13, 4562-4568.	5.6	23
36	Cleaner production of citric acid by recycling its extraction wastewater treated with anaerobic digestion and electro dialysis in an integrated citric acid-methane production process. Bioresource Technology, 2015, 189, 186-194.	9.6	22

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37	Suppression in the Negative Bias Illumination Instability of ZnSnO Thin-Film Transistors Using Hafnium Doping by Dual-Target Magnetron Cosputtering System. IEEE Transactions on Electron Devices, 2016, 63, 3552-3557.	3.0	22
38	Inkjet Printed Electrodes in Thin Film Transistors. IEEE Journal of the Electron Devices Society, 2018, 6, 774-790.	2.1	22
39	Effects of Green Emission on the Performance of White Organic Light-Emitting Devices and Their Electroluminescent Characteristics. Journal of Physical Chemistry C, 2011, 115, 24341-24346.	3.1	21
40	Extremely high external quantum efficiency of inverted organic light-emitting diodes with low operation voltage and reduced efficiency roll-off by using sulfide-based double electron injection layers. RSC Advances, 2016, 6, 55626-55634.	3.6	21
41	Highly Stable Graphene-Based Flexible Hybrid Transparent Conductive Electrodes for Organic Solar Cells. Advanced Materials Interfaces, 2022, 9, .	3.7	19
42	Enhanced Flexible Piezoelectric Sensor by the Integration of P(VDF-TrFE)/AgNWs Film With a-IGZO TFT. IEEE Electron Device Letters, 2018, , 1-1.	3.9	18
43	Carrier Blocking Layer Materials and Application in Organic Photodetectors. Nanomaterials, 2021, 11, 1404.	4.1	18
44	Improving electrical performance and bias stability of HfInZnO-TFT with optimizing the channel thickness. AIP Advances, 2013, 3, .	1.3	17
45	Amorphous LaZnSnO thin films by a combustion solution process and application in thin film transistors. Electronic Materials Letters, 2016, 12, 76-81.	2.2	17
46	Combustion synthesis of electrospun LaInO nanofiber for high-performance field-effect transistors. Nanotechnology, 2019, 30, 425205.	2.6	17
47	Influence of annealing temperatures on solution-processed AlInZnO thin film transistors. Journal of Alloys and Compounds, 2015, 646, 675-679.	5.5	16
48	A Simple, Low Cost Ink System for Drop-on-Demand Printing High Performance Metal Oxide Dielectric Film at Low Temperature. ACS Applied Materials & Interfaces, 2019, 11, 5193-5199.	8.0	16
49	Double-gate InZnO synaptic transistor with aqueous-solution-processed wheat flour electrolyte. Organic Electronics, 2020, 77, 105518.	2.6	16
50	Tenâ€Gramâ€Scale Synthesis of FAPbX <sub>3</sub> Perovskite Nanocrystals by a Highâ€Power Roomâ€Temperature Ultrasonicâ€Assisted Strategy and Their Electroluminescence. Advanced Materials Technologies, 2020, 5, 1901089.	5.8	16
51	Oxygen-Vacancy-Induced Synaptic Plasticity in an Electrospun InGdO Nanofiber Transistor for a Gas Sensory System with a Learning Function. ACS Applied Materials & Interfaces, 2022, 14, 8587-8597.	8.0	16
52	A Multiâ€Responsive MXeneâ€Based Actuator with Integrated Sensing Function. Advanced Materials Interfaces, 2022, 9, .	3.7	16
53	Highly sandwich-structured silver nanowire hybrid transparent conductive films for flexible transparent heater applications. Composites Part A: Applied Science and Manufacturing, 2022, 159, 106998.	7.6	16
54	Solâ€gel processed indium zinc oxide thin film and transparent thin-film transistors. Journal of Sol-Gel Science and Technology, 2013, 65, 130-134.	2.4	15

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55	Mg Doping to Simultaneously Improve the Electrical Performance and Stability of MgInO Thin-Film Transistors. <i>IEEE Transactions on Electron Devices</i> , 2017, 64, 2216-2220.	3.0	14
56	Critical Impact of Solvent Evaporation on the Resolution of Inkjet Printed Nanoparticles Film. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 22883-22888.	8.0	14
57	PDMS-Based Capacitive Pressure Sensor for Flexible Transparent Electronics. <i>Journal of Sensors</i> , 2019, 2019, 1-6.	1.1	14
58	Functional Metal Oxide Ink Systems for Drop-on-Demand Printed Thin-Film Transistors. <i>Langmuir</i> , 2020, 36, 8655-8667.	3.5	14
59	An Active Multielectrode Array for Collecting Surface Electromyogram Signals Using a-IGZO TFT Technology on Polyimide Substrate. <i>IEEE Transactions on Electron Devices</i> , 2020, 67, 1613-1618.	3.0	14
60	Proton conducting C3N4/Chitosan composite electrolytes based InZnO thin film transistor for artificial synapse. <i>Organic Electronics</i> , 2020, 85, 105870.	2.6	14
61	A High-Sensitivity Flexible Direct X-ray Detector Based on Bi2O3/PDMS Nanocomposite Thin Film. <i>Nanomaterials</i> , 2021, 11, 1832.	4.1	14
62	Solution-Processed Low-Operating-Voltage Thin-Film Transistors With Bottom-Gate Top-Contact Structure. <i>IEEE Transactions on Electron Devices</i> , 2015, 62, 875-881.	3.0	13
63	A novel cleaner production process of citric acid by recycling its treated wastewater. <i>Bioresource Technology</i> , 2016, 211, 645-653.	9.6	13
64	High-Gain Hybrid CMOS Inverters by Coupling Cosputtered ZnSiSnO and Solution-Processed Semiconducting SWCNT. <i>IEEE Transactions on Electron Devices</i> , 2018, 65, 2838-2843.	3.0	13
65	Enhanced Stability of Sr-Doped Aqueous In <sub>2</sub> O <sub>3</sub> Thin-Film Transistors Under Bias/Illumination/Thermal Stress. <i>IEEE Transactions on Electron Devices</i> , 2019, 66, 1308-1313.	3.0	13
66	Simultaneous Enhancement of Electrical Performance and Negative Bias Illumination Stability for Low-Temperature Solution-Processed SnO <sub>2</sub> Thin-Film Transistors by Fluorine Incorporation. <i>IEEE Transactions on Electron Devices</i> , 2019, 66, 4205-4210.	3.0	13
67	A high-performance humidity sensor based on alkalized MXenes and poly(dopamine) for touchless sensing and respiration monitoring. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2281-2289.	5.5	13
68	Establishment and assessment of an integrated citric acid–methane production process. <i>Bioresource Technology</i> , 2015, 176, 121-128.	9.6	12
69	Pseudo-Biological Highly Performance Transparent Electrodes Based on Capillary Force-Welded Hybrid AgNW Network. <i>IEEE Access</i> , 2019, 7, 177944-177953.	4.2	12
70	Thermal effect of annealing-temperature on solution-processed high- <i>k</i> ZrO <sub>2</sub> dielectrics. <i>RSC Advances</i> , 2019, 9, 42415-42422.	3.6	12
71	Transparent Nanostructured BiVO <sub>4</sub> Double Films with Blue Light Shielding Capabilities to Prevent Damage to ARPE-19 Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 20797-20805.	8.0	12
72	Solution-processed flexible MAPbI <sub>3</sub> photodetectors with ZnO Schottky contacts. <i>Optics Express</i> , 2021, 29, 7833.	3.4	12

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73	Structural evolution of ZnO films deposited by rf magnetron sputtering on glass substrate. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 1850-1853.	1.8	11
74	Anti-inflammatory activity studies on the stems and roots of <i>Jasminum lanceolarium</i> Roxb. <i>Journal of Ethnopharmacology</i> , 2015, 171, 335-341.	4.1	11
75	Performance Enhancement of ZITO Thin-Film Transistors via Graphene Bridge Layer by Sol-Gel Combustion Process. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 24103-24109.	8.0	11
76	Small-size and monodispersed red-emitting Pr <sup>3+</sup> doped barium molybdate nanocrystals with ultrahigh color purity. <i>RSC Advances</i> , 2016, 6, 65311-65314.	3.6	11
77	Accurate Predetermination of the Process Parameters for Glass/Glass Laser Bonding Based on the Temperature Distribution Analysis. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , 2016, 138, .	1.8	11
78	Tuning the electrical performance and bias stability of a semiconducting SWCNT thin film transistor with an atomic layer deposited AlZrO <sub>x</sub> composite. <i>RSC Advances</i> , 2017, 7, 52517-52523.	3.6	11
79	Metabolic analyses of the improved $\hat{\mu}$ -poly-l-lysine productivity using a glucose-glycerol mixed carbon source in chemostat cultures. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 1143-1151.	3.4	11
80	Effective exciton blocking by the hole-transporting material 5,10,15-tribenzyl-5H-diindolo[3,2-a:3',2'-c]-carbazole (TBDI) in the tetraphenylidibenzoperiflanthene (DBP) based organic photovoltaic cells. <i>Applied Surface Science</i> , 2015, 357, 1281-1288.	6.1	10
81	Stepwise Bi-Layer Hole-Transport Interlayers With Deep Highest Occupied Molecular Orbital Level for Efficient Green Quantum Dot Light-Emitting Diodes. <i>IEEE Electron Device Letters</i> , 2019, 40, 1139-1142.	3.9	10
82	Inkjet printing of homogeneous and green cellulose nanofibril dielectrics for high performance IGZO TFTs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12578-12586.	5.5	10
83	Enhancing the Performance of Solution-Processed Thin-Film Transistors via Laser Scanning Annealing. <i>ACS Applied Electronic Materials</i> , 2020, 2, 2970-2975.	4.3	10
84	A jetting system for chip on glass package. , 2009, , .		9
85	Effect of propionic acid on citric acid fermentation in an integrated citric acid-methane fermentation process. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 391-400.	3.4	9
86	Super color purity green organic light-emitting diodes with ZrO <sub>2</sub> /zirconium nanolaminates as a distributed Bragg reflector deposited by atomic layer deposition. <i>Nanotechnology</i> , 2017, 28, 044002.	2.6	9
87	Feasibility of Atomic Layer Deposited AlZrO <sub>x</sub> Film to Achieve High Performance and Good Stability of ZnSnO-TFT. <i>IEEE Transactions on Electron Devices</i> , 2017, 64, 4959-4964.	3.0	9
88	Enhanced efficiency and reduced roll-off in white organic light-emitting diodes based on two ultra-thin emitting layers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 408-412.	1.8	8
89	Realization of solution-processed semiconducting single-walled carbon nanotubes thin film transistors with atomic layer deposited ZrAlO <sub>x</sub> gate insulator. <i>Applied Physics Letters</i> , 2017, 110, 253510.	3.3	8
90	Improved the quality of the glass/glass laser bonding through the optimization of glass powder size in planetary ball mill. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 651, 273-281.	0.9	8

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91	Effects of Hf incorporation on indium zinc oxide thin-film transistors using solution process. <i>Electronic Materials Letters</i> , 2015, 11, 143-148.	2.2	7
92	Polymer-Doped Ink System for Threshold Voltage Modulation in Printed Metal Oxide Thin Film Transistors. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3415-3419.	4.6	7
93	Sr:F co-doping of In <sub>2</sub> O <sub>3</sub> thin film and its dual inhibition effect on trap states to achieve a high stability thin film transistor deposited by solution process. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 315105.	2.8	7
94	Improvement in Bias Stability of IGZO TFT With Etching Stop Structure by UV Irradiation Treatment of Active Layer Island. <i>IEEE Journal of the Electron Devices Society</i> , 2020, 8, 524-529.	2.1	7
95	Machine Learning Model of Dimensionless Numbers to Predict Flow Patterns and Droplet Characteristics for Two-Phase Digital Flows. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4251.	2.5	7
96	A Solution-Processed Hole-Transporting Layer Based on p-Type CuCrO <sub>2</sub> for Organic Photodetector and Image Sensor. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100801.	3.7	7
97	High Stability Carbon Dots Phosphor and Ultra-High Color Rendering Index White Light-Emitting Diodes. <i>IEEE Photonics Journal</i> , 2022, 14, 1-6.	2.0	7
98	Mg-doped InSnO nanofiber field-effect transistor for methanol gas detection at room temperature. <i>Nanotechnology</i> , 2022, 33, 205502.	2.6	7
99	A fluid dynamic analysis in the chamber and nozzle for a jetting dispenser design. , 2010, , .		6
100	Solution-processed stacked TiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> dielectric layers for high mobility thin film transistor. <i>AIP Advances</i> , 2018, 8, 085109.	1.3	6
101	Top-Illuminated Flexible Organic Photodetectors Integrated With Hole Extraction Layers Synthesized With Solution-Processed NiO <sub>x</sub> Films at Room Temperature. <i>IEEE Transactions on Electron Devices</i> , 2020, 67, 4308-4312.	3.0	6
102	Li-ion dual modulation in all-inorganic ZrLiO/InLiO aqueous solution-processed thin-film transistor for optoelectronic artificial synapse. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 405104.	2.8	6
103	Self-Powered Synaptic Transistor for Artificial Perception. <i>IEEE Electron Device Letters</i> , 2021, 42, 1002-1005.	3.9	6
104	NiO <sub>x</sub> nanoparticles obtained from hydrothermally treated Ni <sub>2</sub> O <sub>4</sub> as an electron blocking layer for organic photodetectors. <i>Nanotechnology</i> , 2020, 31, 505601.	2.6	6
105	Highly sensitive and selective low-cost SnZrO nanofiber field-effect transistor for N,N-dimethylformamide vapour detection at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2022, 367, 132155.	7.8	6
106	Improved Negative Bias Illumination Stability and Thermal Stability of HfZnSnO/ZnSnO Thin-Film Transistor Using Double-Channel Structure by Cosputtering. <i>IEEE Transactions on Electron Devices</i> , 2016, 63, 4320-4325.	3.0	5
107	Effects of Die-Attach Quality on the Mechanical and Thermal Properties of High-Power Light-Emitting Diodes Packaging. <i>Advances in Materials Science and Engineering</i> , 2017, 2017, 1-8.	1.8	5
108	Rapid and facile method to prepare oxide precursor solution by using sonochemistry technology for WZTO thin film transistors. <i>RSC Advances</i> , 2020, 10, 28186-28192.	3.6	5

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109	Flexible Dual-Parameter Sensor Array without Coupling Based on Amorphous Indium Gallium Zinc Oxide Thin Film Transistors. <i>Advanced Materials Technologies</i> , 2022, 7, 2100849.	5.8	5
110	Ultrasensitive room-temperature acetone gas sensors employing green-solvent-processed aligned InNdO nanofiber field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2022, 10, 860-869.	5.5	5
111	Coplanar-Gate Synaptic Transistor Array With Organic Electrolyte Using Lithographic Process. <i>IEEE Transactions on Electron Devices</i> , 2022, 69, 2325-2330.	3.0	5
112	Transparent amorphous Indium-Gallium-Zinc-Oxygen thin film transistors using solution technology at low temperature. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 66, 497-503.	2.4	4
113	Suitability of anaerobic digestion effluent as process water for corn fuel ethanol fermentation. <i>Water Science and Technology</i> , 2014, 69, 1894-1899.	2.5	4
114	Photocurrent enhancement via structural templating of phthalocyanine based planar heterojunction photovoltaics by a thin layer of dinaphthothienothiophene (DNTT) or 3,4,9,10-perylene-tetracarboxylic-dianhydride (PTCDA). <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 364-368.	1.8	4
115	Hermeticity test of low-melting point sealing glass and analysis of encapsulation failure. , 2017, , .		4
116	Edge effect factor affecting the tribological properties in water of protrusion surface textures on stainless steel. <i>Biosurface and Biotribology</i> , 2018, 4, 46-49.	1.5	4
117	Fluorine-controlled subgap states and negative bias illumination stability behavior in solution-processed InZnOF thin-film transistor. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	4
118	Evaporation induced hollow cracks and the adhesion of silver nanoparticle film. <i>Journal of Materials Science</i> , 2019, 54, 7987-7996.	3.7	4
119	Silicon-coated CdZnSeS/ZnS quantum dots contribute to great performance white light-emitting diodes. <i>Journal of Luminescence</i> , 2020, 220, 116969.	3.1	4
120	Applying InP/ZnS Green-Emitting Quantum Dots and InP/ZnSe/ZnS Red-Emitting Quantum Dots to Prepare WLED With Enhanced Photoluminescence Performances. <i>IEEE Access</i> , 2020, 8, 154683-154690.	4.2	4
121	Enhancement of sonochemical efficiency using combination of ultrasound with ultraviolet irradiation and water flow in a horn-type reactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020, 150, 107884.	3.6	4
122	Graphitic Carbon Nitride/Polyvinylpyrrolidone Composite Dielectric for Low-Voltage Flexible InZnO Thin Film Transistor Grown on a Polyethylene Terephthalate Substrate. <i>IEEE Electron Device Letters</i> , 2020, 41, 381-384.	3.9	4
123	Stable and Printable Direct X-Ray Detectors Based on Micropyramid $\text{Bi}_2\text{O}_3$ With Low Detection Limit. <i>IEEE Transactions on Electron Devices</i> , 2021, 68, 3411-3416.	3.0	4
124	Solid-State Carbon Dots-Based White Light-Emitting Diodes With Ultrahigh Color Rendering Index and Good Thermal Stability. <i>IEEE Transactions on Electron Devices</i> , 2021, 68, 3901-3906.	3.0	4
125	Torque Ripple Suppression Method of Switched Reluctance Motor Based on an Improved Torque Distribution Function. <i>Electronics (Switzerland)</i> , 2022, 11, 1552.	3.1	4
126	Fabrication and Mechanical Properties Improvement of Micro Bumps for High-Resolution Micro-LED Display Application. <i>IEEE Transactions on Electron Devices</i> , 2022, 69, 3737-3741.	3.0	4



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127	Effect of oxygen partial pressure on the density of states of amorphous InGaZnO thin-film transistors. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	3
128	Atomic Layer Deposited $Zr_xAl_{1-x}O_y$ Film as High $\hat{I}^p$ Gate Insulator for High Performance ZnSnO Thin Film Transistor. <i>Electronic Materials Letters</i> , 2018, 14, 669-677.	2.2	3
129	Investigation of the Characteristic of Solution-Processed Tetraphenyl dibenzoperiflanthene (DBP) Film and Its Application on Organic Photovoltaic Cells. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2100232.	1.8	3
130	High ionic conductivity $Li_{0.33}La_{0.557}TiO_3$ nanofiber/polymer composite solid electrolyte for flexible transparent InZnO synaptic transistors. <i>Nanotechnology</i> , 2021, 32, 405207.	2.6	3
131	High Performance of Patterned Solution-Processed WZnSnO Thin Film Transistor Using Fiber-Coupler Semiconductor Laser Annealing. <i>IEEE Transactions on Electron Devices</i> , 2022, 69, 1858-1863.	3.0	3
132	Improvement of properties of top-gate IGZO TFT by oxygen-rich ultrathin in situ ITO active layer. <i>Japanese Journal of Applied Physics</i> , 2022, 61, 070914.	1.5	3
133	Effects of curing agents on the conductivity of isotropical conductive adhesives (ICAs)., 2006, , .		2
134	Study of light emitting diodes for the application of plant growth in green house. , 2011, , .		2
135	Dependence of electrical and optical properties of IGZO films on oxygen flow. <i>Journal of Shanghai University</i> , 2011, 15, 242-244.	0.1	2
136	Highly transparent conductive films fabricated by combining CVD-grown graphene and silver nanowire. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 651, 250-258.	0.9	2
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