

Jian-hua Zhang

List of Publications by Year in descending order

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170
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2,851
citations

218677

26
h-index

233421

45
g-index

170
all docs

170
docs citations

170
times ranked

3395
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Efficient Tandem Quantum-Dot LEDs Enabled by An Inorganic Semiconductor-Metal-Dielectric Interconnecting Layer Stack. <i>Advanced Materials</i> , 2022, 34, e2108150.	21.0	53
3	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
4	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
5	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
6	Efficient Tandem Quantum-Dot LEDs Enabled by An Inorganic Semiconductor-Metal-Dielectric Interconnecting Layer Stack (Adv. Mater. 4/2022). <i>Advanced Materials</i> , 2022, 34, .	21.0	0
7	All-Inorganic Perovskite Nanocrystals with Remarkably Enhanced Optoelectronic Properties Realized by an Alkene-Free Solvent Strategy and Their Electroluminescence. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	2
8	Mg-doped InSnO nanofiber field-effect transistor for methanol gas detection at room temperature. <i>Nanotechnology</i> , 2022, 33, 205502.	2.6	7
9	Fully solution-processed InSnO/HfGdO _X thin-film transistor for light-stimulated artificial synapse. <i>Flexible and Printed Electronics</i> , 2022, 7, 014006.	2.7	2
10	Oxygen-Vacancy-Induced Synaptic Plasticity in an Electrospun InGdO Nanofiber Transistor for a Gas Sensory System with a Learning Function. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 8587-8597.	8.0	16
11	A Multi-Responsive MXene-Based Actuator with Integrated Sensing Function. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	16
12	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
13	Highly Stable Graphene-Based Flexible Hybrid Transparent Conductive Electrodes for Organic Solar Cells. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	19
14	High Humidity Stability Carbon-Dot-Based Light-Emitting Diode With Thin-Film Encapsulation. <i>IEEE Transactions on Electron Devices</i> , 2022, 69, 3236-3239.	3.0	1
15	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
16	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
17	Research on Influence of Switching Angle on the Vibration of Switched Reluctance Motor. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4793.	2.5	1
18	Highly sandwich-structured silver nanowire hybrid transparent conductive films for flexible transparent heater applications. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 159, 106998.	7.6	16

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19	Improvement of properties of top-gate IGZO TFT by oxygen-rich ultrathin in situ ITO active layer. Japanese Journal of Applied Physics, 2022, 61, 070914.	1.5	3
20	Fabrication and Mechanical Properties Improvement of Micro Bumps for High-Resolution Micro-LED Display Application. IEEE Transactions on Electron Devices, 2022, 69, 3737-3741.	3.0	4
21	Highly sensitive and selective low-cost SnZrO nanofiber field-effect transistor for N,N-dimethylformamide vapour detection at room temperature. Sensors and Actuators B: Chemical, 2022, 367, 132155.	7.8	6
22	Investigation on Stability in Solution-Processed In-Zn-Sn-O TFT Array Under Various Intensity of Illumination. IEEE Transactions on Electron Devices, 2022, 69, 4283-4287.	3.0	2
23	Improved stability of blue TADF organic electroluminescent diodes via OXD-7 based mixed host. Frontiers of Optoelectronics, 2021, 14, 491-498.	3.7	1
24	Performance improvement of DBP-based solar cells by introducing a luminescent sensitizer bis[(4,6-difluorophenyl)-pyridinato-N,C2]c(picolinate)iridium(III) (Flrpic). Frontiers of Materials Science, 2021, 15, 158-165.	2.2	2
25	P�.1: Low-voltage flexible thin-film transistor based on C 3 N 4 /polyvinylpyrrolidone composite electrolyte. Digest of Technical Papers SID International Symposium, 2021, 52, 566-569.	0.3	0
26	Solution-processed flexible MAPbI ₃ photodetectors with ZnO Schottky contacts. Optics Express, 2021, 29, 7833.	3.4	12
27	Implementing Room-Temperature Fabrication of Flexible Amorphous SnO TFTs via Defect Control. Advanced Materials Interfaces, 2021, 8, 2002193.	3.7	2
28	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
29	Machine Learning Model of Dimensionless Numbers to Predict Flow Patterns and Droplet Characteristics for Two-Phase Digital Flows. Applied Sciences (Switzerland), 2021, 11, 4251.	2.5	7
30	Binary Solvent Systems for Piezoelectric Printing Crack-Free PAM/ZrO _x Hybrid Thin Films through Nanostructure Modulation. Langmuir, 2021, 37, 5979-5985.	3.5	2
31	Scalable Solution-Processed Fabrication Approach for High-Performance Silver Nanowire/MXene Hybrid Transparent Conductive Films. Nanomaterials, 2021, 11, 1360.	4.1	24
32	Carrier Blocking Layer Materials and Application in Organic Photodetectors. Nanomaterials, 2021, 11, 1404.	4.1	18
33	Stable and Printable Direct X-Ray Detectors Based on Micropyramid Bi ₂ O ₃ With Low Detection Limit. IEEE Transactions on Electron Devices, 2021, 68, 3411-3416.	3.0	4
34	A High-Sensitivity Flexible Direct X-ray Detector Based on Bi ₂ O ₃ /PDMS Nanocomposite Thin Film. Nanomaterials, 2021, 11, 1832.	4.1	14
35	Li-ion dual modulation in all-inorganic ZrLiO/InLiO aqueous solution-processed thin-film transistor for optoelectronic artificial synapse. Journal Physics D: Applied Physics, 2021, 54, 405104.	2.8	6
36	Self-Powered Synaptic Transistor for Artificial Perception. IEEE Electron Device Letters, 2021, 42, 1002-1005.	3.9	6

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37	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
38	High ionic conductivity $\text{Li}_{0.33}\text{La}_{0.557}\text{TiO}_3$ nanofiber/polymer composite solid electrolyte for flexible transparent InZnO synaptic transistors. <i>Nanotechnology</i> , 2021, 32, 405207.	2.6	3
39	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
40	A Solution-Processed Hole-Transporting Layer Based on p-Type CuCrO_2 for Organic Photodetector and Image Sensor. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100801.	3.7	7
41	A seed-mediated and double shell strategy to realize large-size ZnSe/ZnS/ZnS quantum dots for high color purity blue light-emitting diodes. <i>Nanoscale</i> , 2021, 13, 4562-4568.	5.6	23
42	Metal-oxide field-effect transistors for display and beyond. , 2021, , .		0
43	A Novel Monolithically Integrated Structure of GaN-based Micro-LED and its Driver HEMT. , 2021, , .		1
44	Double-gate InZnO synaptic transistor with aqueous-solution-processed wheat flour electrolyte. <i>Organic Electronics</i> , 2020, 77, 105518.	2.6	16
45	Efficient All-Solution-Processed Perovskite Light-Emitting Diodes Enabled by Small-Molecule Doped Electron Injection Layers. <i>Advanced Optical Materials</i> , 2020, 8, 1900567.	7.3	25
46	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
47	Artificial Synapse Emulated through Fully Aqueous Solution-Processed Low-Voltage In_2O_3 Thin-Film Transistor with Gd_2O_3 Solid Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 980-988.	8.0	45
48	Functional Metal Oxide Ink Systems for Drop-on-Demand Printed Thin-Film Transistors. <i>Langmuir</i> , 2020, 36, 8655-8667.	3.5	14
49	Pollen-Shaped Hierarchical Structure for Pressure Sensors with High Sensitivity in an Ultrabroad Linear Response Range. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55362-55371.	8.0	58
50	Electrospun Yb-Doped In_2O_3 Nanofiber Field-Effect Transistors for Highly Sensitive Ethanol Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38425-38434.	8.0	55
51	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
52	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
53	Detection of N,N-dimethylformamide vapor down to ppb level using electrospun InYbO nanofibers field-effect transistor. <i>Sensors and Actuators B: Chemical</i> , 2020, 323, 128676.	7.8	24
54	Light-Stimulated Artificial Synapse with Memory and Learning Functions by Utilizing an Aqueous Solution-Processed $\text{In}_2\text{O}_3/\text{AlLiO}$ Thin-Film Transistor. <i>ACS Applied Electronic Materials</i> , 2020, 2, 2772-2779.	4.3	27

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55	Improving Efficiency and Stability in Quasi-2D Perovskite Light-Emitting Diodes by a Multifunctional LiF Interlayer. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43018-43023.	8.0	53
56	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
57	Top-Illuminated Flexible Organic Photodetectors Integrated With Hole Extraction Layers Synthesized With Solution-Processed NiO _x Films at Room Temperature. <i>IEEE Transactions on Electron Devices</i> , 2020, 67, 4308-4312.	3.0	6
58	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
59	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
60	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
61	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
62	Transparent Nanostructured BiVO ₄ Double Films with Blue Light Shielding Capabilities to Prevent Damage to ARPE-19 Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20797-20805.	8.0	12
63	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
64	Proton conducting C ₃ N ₄ /Chitosan composite electrolytes based InZnO thin film transistor for artificial synapse. <i>Organic Electronics</i> , 2020, 85, 105870.	2.6	14
65	Aqueous-solution-processed proton-conducting carbon nitride/polyvinylpyrrolidone composite electrolytes for low-power synaptic transistors with learning and memory functions. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4065-4072.	5.5	30
66	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 ₂ O ₃ /ALiO Film. <i>Advanced Electronic Materials</i> , 2020, 6, 1901363.	5.1	31
67	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
68	Tenâ€šGramâ€šScale Synthesis of FAPbX ₃ Perovskite Nanocrystals by a Highâ€šPower Roomâ€šTemperature Ultrasonicâ€šAssisted Strategy and Their Electroluminescence. <i>Advanced Materials Technologies</i> , 2020, 5, 1901089.	5.8	16
69	NiO _x nanoparticles obtained from hydrothermally treated NiC ₂ O ₄ as an electron blocking layer for organic photodetectors. <i>Nanotechnology</i> , 2020, 31, 505601.	2.6	6
70	sEMG Recognition Based on Multi-channel Weight Configuration. , 2020, , .		0
71	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
72	Highly Sensitive Flexible Piezoresistive Pressure Sensor Developed Using Biomimetically Textured Porous Materials. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29466-29473.	8.0	171

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73	Combustion synthesis of electrospun LaInO nanofiber for high-performance field-effect transistors. <i>Nanotechnology</i> , 2019, 30, 425205.	2.6	17
74	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
75	PDMS-Based Capacitive Pressure Sensor for Flexible Transparent Electronics. <i>Journal of Sensors</i> , 2019, 2019, 1-6.	1.1	14
76	High-Performance 1-V ZnO Thin-Film Transistors With Ultrathin, ALD-Processed ZrO_2 Gate Dielectric. <i>IEEE Transactions on Electron Devices</i> , 2019, 66, 3382-3386.	3.0	46
77	Photoelectric IGZO Electric-Double-Layer Transparent Artificial Synapses for Emotional State Simulation. <i>ACS Applied Electronic Materials</i> , 2019, 1, 2406-2414.	4.3	28
78	A flexible pressure sensor based on an MXene "textile network structure. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1022-1027.	5.5	183
79	Enhanced Stability of Sr-Doped Aqueous In_2O_3 Thin-Film Transistors Under Bias/Illumination/Thermal Stress. <i>IEEE Transactions on Electron Devices</i> , 2019, 66, 1308-1313.	3.0	13
80	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
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	HD OLED-on-silicon micro-display aided by high-efficient operator IP. <i>IEICE Electronics Express</i> , 2019, 16, 20190011-20190011.	0.8	2
83	Sr:F co-doping of In_2O_3 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
84	Silicon-Doped Diamond-Like Composite Film to Improve the Thermal Dissipated Performance of Light-Emitting Diode. <i>IEEE Access</i> , 2019, 7, 60104-60110.	4.2	2
85	Yellow fluorescent graphene quantum dots as a phosphor for white tunable light-emitting diodes. <i>RSC Advances</i> , 2019, 9, 9301-9307.	3.6	27
86	Bright Blue Light-Emitting Doped Cesium Bromide Nanocrystals: Alternatives of Lead-Free Perovskite Nanocrystals for White LEDs. <i>Advanced Optical Materials</i> , 2019, 7, 1900108.	7.3	31
87	Evaporation induced hollow cracks and the adhesion of silver nanoparticle film. <i>Journal of Materials Science</i> , 2019, 54, 7987-7996.	3.7	4
88	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
89	Simultaneous Enhancement of Electrical Performance and Negative Bias Illumination Stability for Low-Temperature Solution-Processed SnO_2 Thin-Film Transistors by Fluorine Incorporation. <i>IEEE Transactions on Electron Devices</i> , 2019, 66, 4205-4210.	3.0	13
90	NIR Light-Degradable Antimony Nanoparticle-Based Drug-Delivery Nanosystem for Synergistic Chemo-Photothermal Therapy in Vitro. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 48290-48299.	8.0	39

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91	Thermal effect of annealing-temperature on solution-processed high- κ ZrO ₂ dielectrics. RSC Advances, 2019, 9, 42415-42422.	3.6	12
92	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
93	Recent advances in quantum dot-based light-emitting devices: Challenges and possible solutions. Materials Today, 2019, 24, 69-93.	14.2	213
94	Metabolic analyses of the improved $\hat{\mu}$ -poly-l-lysine productivity using a glucose&glycerol mixed carbon source in chemostat cultures. Bioprocess and Biosystems Engineering, 2018, 41, 1143-1151.	3.4	11
95	DCC-Mediated Dab1 Phosphorylation Participates in the Multipolar-to-Bipolar Transition of Migrating Neurons. Cell Reports, 2018, 22, 3598-3611.	6.4	30
96	Effect of La Addition on the Electrical Characteristics and Stability of Solution-Processed LaInO Thin-Film Transistors With High- κ ZrO ₂ Gate Insulator. IEEE Transactions on Electron Devices, 2018, 65, 526-532.	3.0	23
97	The Effect of Glass Frit Paste Levelling Property on Encapsulation. , 2018, , .		0
98	Low-temperature combustion synthesis and UV treatment processed p-type Li:NiO _x active semiconductors for high-performance electronics. Journal of Materials Chemistry C, 2018, 6, 12584-12591.	5.5	38
99	Facile way to fabricate high quality white LED with yellow graphene quantum dots. , 2018, , .		0
100	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
101	Laser bonding of glass and glass with constant temperature output. , 2018, , .		1
102	Atomic Layer Deposited ZrxAl1-xOy Film as High $\hat{\rho}$ Gate Insulator for High Performance ZnSnO Thin Film Transistor. Electronic Materials Letters, 2018, 14, 669-677.	2.2	3
103	Improvement of barrier performance in thin film encapsulation for organic light-emitting diodes by a prior planarization process. , 2018, , .		0
104	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
105	Highly Sensitive Flexible Pressure Sensor by the Integration of Microstructured PDMS Film With a-IGZO TFTs. IEEE Electron Device Letters, 2018, 39, 1073-1076.	3.9	53
106	Critical Impact of Solvent Evaporation on the Resolution of Inkjet Printed Nanoparticles Film. ACS Applied Materials & Interfaces, 2018, 10, 22883-22888.	8.0	14
107	High-Gain Hybrid CMOS Inverters by Coupling Cospattered ZnSiSnO and Solution-Processed Semiconducting SWCNT. IEEE Transactions on Electron Devices, 2018, 65, 2838-2843.	3.0	13
108	Edge effect factor affecting the tribological properties in water of protrusion surface textures on stainless steel. Biosurface and Biotribology, 2018, 4, 46-49.	1.5	4

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109	Inkjet Printed Electrodes in Thin Film Transistors. IEEE Journal of the Electron Devices Society, 2018, 6, 774-790.	2.1	22
110	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
111	Solution-processed stacked TiO ₂ and Al ₂ O ₃ dielectric layers for high mobility thin film transistor. AIP Advances, 2018, 8, 085109.	1.3	6
112	Mg Doping to Simultaneously Improve the Electrical Performance and Stability of MgInO Thin-Film Transistors. IEEE Transactions on Electron Devices, 2017, 64, 2216-2220.	3.0	14
113	Super color purity green organic light-emitting diodes with ZrO ₂ /zirconite nanolaminates as a distributed Bragg reflector deposited by atomic layer deposition. Nanotechnology, 2017, 28, 044002.	2.6	9
114	High Efficiency and Stable Quantum Dot Light-Emitting Diodes Enabled by a Solution-Processed Metal-Doped Nickel Oxide Hole Injection Interfacial Layer. Advanced Functional Materials, 2017, 27, 1704278.	14.9	114
115	CuPc nanowires transistors fabricated by vacuum thermal deposition. Molecular Crystals and Liquid Crystals, 2017, 651, 243-249.	0.9	0
116	Highly transparent conductive films fabricated by combining CVD-grown graphene and silver nanowire. Molecular Crystals and Liquid Crystals, 2017, 651, 250-258.	0.9	2
117	Enhanced performance by organic electron transporting layers compared with inorganic layers for perovskite solar cells. Molecular Crystals and Liquid Crystals, 2017, 651, 259-264.	0.9	0
118	Realization of solution-processed semiconducting single-walled carbon nanotubes thin film transistors with atomic layer deposited ZrAlO _x gate insulator. Applied Physics Letters, 2017, 110, 253510.	3.3	8
119	Tuning the electrical performance and bias stability of a semiconducting SWCNT thin film transistor with an atomic layer deposited AlZrO _x composite. RSC Advances, 2017, 7, 52517-52523.	3.6	11
120	LEDs: High Efficiency and Stable Quantum Dot Light-Emitting Diodes Enabled by a Solution-Processed Metal-Doped Nickel Oxide Hole Injection Interfacial Layer (Adv. Funct. Mater. 42/2017). Advanced Functional Materials, 2017, 27, .	14.9	0
121	A comparison of density of states between InGaZnO based TFTs and InZnO based TFTs. Molecular Crystals and Liquid Crystals, 2017, 651, 221-227.	0.9	1
122	Improved the quality of the glass/glass laser bonding through the optimization of glass powder size in planetary ball mill. Molecular Crystals and Liquid Crystals, 2017, 651, 273-281.	0.9	8
123	High color rendering index and tunable color temperature of white light emitting diodes with yellow emitting graphene quantum dots coated. , 2017, , .		0
124	Feasibility of Atomic Layer Deposited AlZrO _x Film to Achieve High Performance and Good Stability of ZnSnO-TFT. IEEE Transactions on Electron Devices, 2017, 64, 4959-4964.	3.0	9
125	Sintering process of mixed solvent system frit to improve the performance of the film in glass/glass laser bonding. , 2017, , .		0
126	Hermeticity test of low-melting point sealing glass and analysis of encapsulation failure. , 2017, , .		4

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127	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
128	Experimental study about the effect of frit thickness on the residual stress of glass/glass laser bonding. <i>Optical Engineering</i> , 2017, 56, 1.	1.0	1
129	Small-size and monodispersed red-emitting Pr ³⁺ doped barium molybdate nanocrystals with ultrahigh color purity. <i>RSC Advances</i> , 2016, 6, 65311-65314.	3.6	11
130	Suppression in the Negative Bias Illumination Instability of ZnSnO Thin-Film Transistors Using Hafnium Doping by Dual-Target Magnetron Cosputtering System. <i>IEEE Transactions on Electron Devices</i> , 2016, 63, 3552-3557.	3.0	22
131	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
132	Manipulation of electron deficiency of β -carbolone derivatives as bipolar hosts for blue phosphorescent organic light-emitting diodes with high efficiency at 1000 cd m^{-2} . <i>Journal of Materials Chemistry C</i> , 2016, 4, 4226-4235.	5.5	29
133	A novel cleaner production process of citric acid by recycling its treated wastewater. <i>Bioresource Technology</i> , 2016, 211, 645-653.	9.6	13
134	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
135	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
136	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. <i>RSC Advances</i> , 2016, 6, 55626-55634.	3.6	21
137	Amorphous LaZnSnO thin films by a combustion solution process and application in thin film transistors. <i>Electronic Materials Letters</i> , 2016, 12, 76-81.	2.2	17
138	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
139	Measurement of thin-film residual stress based on single-beam lever method. , 2015, , .		1
140	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
141	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
142	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
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