Guofu Zhou

List of Publications by Year
in descending order

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168 papers	3,861 citations	126708 33 h-index	197535 49 g-index
169 all docs	169 docs citations	169 times ranked	4240 citing authors

#	Article	IF	Citations
1	Hierarchical Defective Fe<sub>3â€<sub>_xC@C Hollow Microsphere Enables Fast and Longâ€Lasting Lithiumâ€“Sulfur Batteries. Advanced Functional Materials, 2020, 30, 2001165.	7.8	144
2	Charge Trappingâ€Based Electricity Generator (CTEG): An Ultrarobust and High Efficiency Nanogenerator for Energy Harvesting from Water Droplets. Advanced Materials, 2020, 32, e2001699.	11.1	99
3	Strong self-trapping by deformation potential limits photovoltaic performance in bismuth double perovskite. Science Advances, 2021, 7, .	4.7	98
4	Three-Dimensional Crumpled Graphene-Based Nanosheets with Ultrahigh NO₂ Gas Sensibility. ACS Applied Materials & Interfaces, 2017, 9, 11819-11827.	4.0	88
5	Microencapsulation of Phase Change Materials with Polystyrene/Cellulose Nanocrystal Hybrid Shell via Pickering Emulsion Polymerization. ACS Sustainable Chemistry and Engineering, 2019, 7, 17756-17767.	3.2	84
6	Mimicking a Dogâ€™s Nose: Scrolling Graphene Nanosheets. ACS Nano, 2018, 12, 2521-2530.	7.3	78
7	A Photovoltaic Selfâ€Powered Gas Sensor Based on Allâ€Dry Transferred MoS₂/GaSe Heterojunction for ppbâ€Level NO₂ Sensing at Room Temperature. Advanced Science, 2021, 8, e2100472.	5.6	75
8	An easily coatable temperature responsive cholesteric liquid crystal oligomer for making structural colour patterns. Journal of Materials Chemistry C, 2018, 6, 7184-7187.	2.7	72
9	REVIEW OF PAPER-LIKE DISPLAY TECHNOLOGIES (Invited Review). Progress in Electromagnetics Research, 2014, 147, 95-116.	1.6	71
10	Stable Triple Cation Perovskite Precursor for Highly Efficient Perovskite Solar Cells Enabled by Interaction with 18C6 Stabilizer. Advanced Functional Materials, 2020, 30, 1908613.	7.8	65
11	Solventâ€Assisted Lowâ€Temperature Crystallization of SnO₂ Electronâ€Transfer Layer for Highâ€Efficiency Planar Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1900557.	7.8	59
12	Role of Electronâ€“Phonon Coupling in the Thermal Evolution of Bulk Rashba-Like Spin-Split Lead Halide Perovskites Exhibiting Dual-Band Photoluminescence. ACS Energy Letters, 2019, 4, 2205-2212.	8.8	58
13	Nanoscale Topotactic Phase Transformation in SrFeO_x Epitaxial Thin Films for Highâ€Density Resistive Switching Memory. Advanced Materials, 2019, 31, e1903679.	11.1	58
14	One-step chemical vapor deposition of MoS₂ nanosheets on SiNWs as photocathodes for efficient and stable solar-driven hydrogen production. Nanoscale, 2018, 10, 3518-3525.	2.8	57
15	Dye-Doped Electrically Smart Windows Based on Polymer-Stabilized Liquid Crystal. Polymers, 2019, 11, 694.	2.0	56
16	Ultrathin Alumina Mask-Assisted Nanopore Patterning on Monolayer MoS₂ for Highly Catalytic Efficiency in Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2018, 10, 8026-8035.	4.0	55
17	Direct Growth of Oxygen Vacancy-Enriched Co₃O₄ Nanosheets on Carbon Nanotubes for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2021, 13, 4419-4428.	4.0	55
18	Temperatureâ€Responsive Photonic Devices Based on Cholesteric Liquid Crystals. Advanced Photonics Research, 2021, 2, 2100016.	1.7	55

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19	A Patterned Mechanochromic Photonic Polymer for Reversible Image Reveal. Advanced Materials Interfaces, 2020, 7, 1901878.	1.9	50
20	Excellent Ferroelectric Properties of Hf_{0.5}Zr_{0.5}O₂ Thin Films Induced by Al₂O₃ Dielectric Layer. IEEE Electron Device Letters, 2019, 40, 1937-1940.	2.2	49
21	Dopant-free F-substituted benzodithiophene copolymer hole-transporting materials for efficient and stable perovskite solar cells. Journal of Materials Chemistry A, 2020, 8, 1858-1864.	5.2	49
22	Photoâ€responsive Helical Motion by Lightâ€Driven Molecular Motors in a Liquidâ€Crystal Network. Angewandte Chemie - International Edition, 2021, 60, 8251-8257.	7.2	49
23	Microfluidics for electronic paper-like displays. Lab on A Chip, 2014, 14, 2374-2384.	3.1	47
24	S,N-Codoped oil-soluble fluorescent carbon dots for a high color-rendering WLED. Journal of Materials Chemistry C, 2020, 8, 4343-4349.	2.7	47
25	Optimization of hierarchical structure and nanoscale-enabled plasmonic refraction for window electrodes in photovoltaics. Nature Communications, 2016, 7, 12825.	5.8	46
26	4D Chiral Photonic Actuators with Switchable Hyperâ€Reflectivity. Advanced Functional Materials, 2021, 31, 2007887.	7.8	45
27	Electrically Controlled Localized Charge Trapping at Amorphous Fluoropolymerâ€“Electrolyte Interfaces. Small, 2020, 16, e1905726.	5.2	41
28	A Practical ITO Replacement Strategy: Sputteringâ€Free Processing of a Metallic Nanonetwork. Advanced Materials Technologies, 2017, 2, 1700061.	3.0	39
29	A novel driver for active matrix electrowetting displays. Displays, 2015, 37, 86-93.	2.0	38
30	Interfacial Complexation Induced Controllable Fabrication of Stable Polyelectrolyte Microcapsules Using All-Aqueous Droplet Microfluidics for Enzyme Release. ACS Applied Materials & Interfaces, 2019, 11, 21227-21238.	4.0	38
31	Coreâ€“Shell MoS₂@CoO Electrocatalyst for Water Splitting in Neural and Alkaline Solutions. Journal of Physical Chemistry C, 2019, 123, 5833-5839.	1.5	38
32	Microfluidics Assisted Fabrication of Three-Tier Hierarchical Microparticles for Constructing Bioinspired Surfaces. ACS Nano, 2019, 13, 3638-3648.	7.3	37
33	Rapid Microwave-Assisted Synthesis of SnO₂ Quantum Dots for Efficient Planar Perovskite Solar Cells. ACS Applied Energy Materials, 2021, 4, 1887-1893.	2.5	37
34	Thermochromic Cholesteric Liquid Crystal Microcapsules with Cellulose Nanocrystals and a Melamine Resin Hybrid Shell. ACS Applied Materials & Interfaces, 2022, 14, 4588-4597.	4.0	37
35	Sustainable and Versatile Superhydrophobic Cellulose Nanocrystals. ACS Sustainable Chemistry and Engineering, 2022, 10, 5939-5948.	3.2	36
36	Two-phase microfluidics in electrowetting displays and its effect on optical performance. Biomicrofluidics, 2016, 10, 011908.	1.2	35

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37	Lightâ€Driven Electrohydrodynamic Instabilities in Liquid Crystals. Advanced Functional Materials, 2018, 28, 1707436.	7.8	35
38	All-Dry Transferred ReS₂ Nanosheets for Ultrasensitive Room-Temperature NO₂ Sensing under Visible Light Illumination. ACS Sensors, 2020, 5, 3172-3181.	4.0	34
39	Reversible Thermochromic Photonic Coatings with a Protective Topcoat. ACS Applied Materials & Interfaces, 2021, 13, 3153-3160.	4.0	34
40	Continuous fabrication of microcapsules with controllable metal covered nanoparticle arrays using droplet microfluidics for localized surface plasmon resonance. Lab on A Chip, 2017, 17, 1970-1979.	3.1	33
41	Direct ink writing of fluoropolymer/CNT-based superhydrophobic and corrosion-resistant electrodes for droplet energy harvesters and self-powered electronic skins. Nano Energy, 2021, 86, 106095.	8.2	33
42	Wearable Optical Sensing of Strain and Humidity: A Patterned Dualâ€Responsive Semiâ€Interpenetrating Network of a Cholesteric Mainâ€Chain Polymer and a Poly(ampholyte). Advanced Functional Materials, 2021, 31, 2104641.	7.8	33
43	All-Inorganic Flexible Ba_{0.67}Sr_{0.33}TiO₃ Thin Films with Excellent Dielectric Properties over a Wide Range of Frequencies. ACS Applied Materials & Interfaces, 2019, 11, 27088-27097.	4.0	32
44	Electroconvection in Zwitterionâ€Doped Nematic Liquid Crystals and Application as Smart Windows. Advanced Optical Materials, 2021, 9, 2001465.	3.6	32
45	Improvement of video playback performance of electrophoretic displays by optimized waveforms with shortened refresh time. Displays, 2017, 49, 95-100.	2.0	31
46	A Driving System for Fast and Precise Gray-Scale Response Based on Amplitudeâ€“Frequency Mixed Modulation in TFT Electrowetting Displays. Micromachines, 2019, 10, 732.	1.4	31
47	Driving Waveform Design of Electrowetting Displays Based on an Exponential Function for a Stable Grayscale and a Short Driving Time. Micromachines, 2020, 11, 313.	1.4	31
48	Flexible thermal responsive infrared reflector based on cholesteric liquid crystals and polymer stabilized cholesteric liquid crystals. Optics Express, 2019, 27, 13516.	1.7	31
49	Easily Processable Temperature-Responsive Infrared-Reflective Polymer Coatings. ACS Omega, 2017, 2, 3475-3482.	1.6	30
50	Polymer Stabilized Cholesteric Liquid Crystal Siloxane for Temperature-Responsive Photonic Coatings. International Journal of Molecular Sciences, 2020, 21, 1803.	1.8	30
51	Surface-Induced 2D/1D Heterostructured Growth of ReS₂/CoS₂ for High-Performance Electrocatalysts. ACS Applied Materials & Interfaces, 2020, 12, 33586-33594.	4.0	30
52	Photothermal Dual Passively Driven Liquid Crystal Smart Window. ACS Applied Materials & Interfaces, 2022, 14, 28301-28309.	4.0	30
53	Colossal Figure of Merit in Transparentâ€Conducting Metallic Ribbon Networks. Advanced Materials Technologies, 2016, 1, .	3.0	29
54	Improving Electrophoretic Particle Motion Control in Electrophoretic Displays by Eliminating the Fringing Effect via Driving Waveform Design. Micromachines, 2018, 9, 143.	1.4	28

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55	Uniform honeycomb CNT-microparticles prepared via droplet-microfluidics and sacrificial nanoparticles for electrochemical determination of methyl parathion. Sensors and Actuators B: Chemical, 2020, 321, 128517.	4.0	28
56	Inkless Rewritable Photonic Crystals Paper Enabled by a Light-Driven Azobenzene Mesogen Switch. ACS Applied Materials & Interfaces, 2021, 13, 12383-12392.	4.0	28
57	Interfacial electrofluidics in confined systems. Scientific Reports, 2016, 6, 26593.	1.6	27
58	Janus Nanoparticles with Tunable Amphiphilicity for Stabilizing Pickering-Emulsion Droplets via Assembly Behavior at Oilâ€“Water Interfaces. ACS Applied Materials & Interfaces, 2020, 12, 26374-26383.	4.0	26
59	Screen-printing fabrication of electrowetting displays based on poly(imide siloxane) and polyimide. Displays, 2015, 37, 79-85.	2.0	25
60	Influence of fluoropolymer surface wettability on electrowetting display performance. Displays, 2018, 53, 47-53.	2.0	24
61	Microfluidic fabrication of responsive hierarchical microscale particles from macroscale materials and nanoscale particles. Sensors and Actuators B: Chemical, 2017, 247, 78-91.	4.0	23
62	Synergy of CO₂ Response and Aggregation-Induced Emission in a Block Copolymer: A Facile Way To â€œSeeâ€•Cancer Cells. ACS Applied Materials & Interfaces, 2019, 11, 37077-37083.	4.0	23
63	Field-Induced Wettability Gradients for No-Loss Transport of Oil Droplets on Slippery Surfaces. ACS Applied Materials & Interfaces, 2020, 12, 38723-38729.	4.0	23
64	Cellulose nanocrystal chiral photonic micro-flakes for multilevel anti-counterfeiting and identification. Chemical Engineering Journal, 2022, 446, 136630.	6.6	23
65	Construction of particle network for ultrahigh permittivity of dielectric polymer composite toward energy devices: A molecular dynamics study. Nano Energy, 2019, 64, 103985.	8.2	22
66	Aperture Ratio Improvement by Optimizing the Voltage Slope and Reverse Pulse in the Driving Waveform for Electrowetting Displays. Micromachines, 2019, 10, 862.	1.4	22
67	Quantum dot activated indium gallium nitride on silicon as photoanode for solar hydrogen generation. Communications Chemistry, 2019, 2, .	2.0	22
68	Ion Beam Defect Engineering on ReS₂/Si Photocathode with Significantly Enhanced Hydrogen Evolution Reaction. Advanced Materials Interfaces, 2019, 6, 1801663.	1.9	22
69	Enhanced Ferroelectric Properties and Insulatorâ€“Metal Transition-Induced Shift of Polarization-Voltage Hysteresis Loop in VO_x-Capped Hf_{0.5}Zr_{0.5}O₂ Thin Films. ACS Applied Materials & Interfaces, 2020, 12, 40510-40517.	4.0	21
70	Carbon Dots Embedded in Cellulose Film: Programmable, Performance-Tunable, and Large-Scale Subtle Fluorescent Patterning by in Situ Laser Writing. ACS Nano, 2022, 16, 2910-2920.	7.3	21
71	Driving Waveform Design of Electrophoretic Display Based on Optimized Particle Activation for a Rapid Response Speed. Micromachines, 2020, 11, 498.	1.4	20
72	Vertically aligned InGaN nanowire arrays on pyramid textured Si (1 0 0): A 3D arrayed light trapping structure for photoelectrocatalytic water splitting. Chemical Engineering Journal, 2021, 406, 126757.	6.6	20

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73	Electrowetting on dielectric: experimental and model study of oil conductivity on rupture voltage. Journal Physics D: Applied Physics, 2018, 51, 195102.	1.3	19
74	Effects of a short midday nap on habitual nappersâ€™ alertness, mood and mental performance across cognitive domains. Journal of Sleep Research, 2019, 28, e12638.	1.7	19
75	Nanoscale Phase Mixture and Multifield-Induced Topotactic Phase Transformation in SrFeO_x. ACS Applied Materials & Interfaces, 2020, 12, 21883-21893.	4.0	19
76	3D InGaN nanowire arrays on oblique pyramid-textured Si (311) for light trapping and solar water splitting enhancement. Nano Energy, 2021, 83, 105768.	8.2	19
77	Carbon quantum dots in hard carbon: An approach to achieving PIB anodes with high potassium adsorption. Carbon, 2022, 189, 142-151.	5.4	19
78	Polymer Stabilized Liquid Crystal Smart Window with Flexible Substrates Based on Low-Temperature Treatment of Polyamide Acid Technology. Polymers, 2019, 11, 1869.	2.0	18
79	Building a smart surface with converse temperature-dependent wettability based on poly(acrylamide-co-acrylonitrile). Chemical Communications, 2020, 56, 2837-2840.	2.2	18
80	Preparation of an Interpenetrating Network of a Poly(ampholyte) and a Cholesteric Polymer and Investigation of Its Hydrochromic Properties. ACS Applied Materials & Interfaces, 2019, 11, 36044-36051.	4.0	17
81	Fluorinated interfacial layers in perovskite solar cells: efficient enhancement of the fill factor. Journal of Materials Chemistry A, 2020, 8, 16527-16533.	5.2	17
82	Multilevel Spherical Photonic Crystals with Controllable Structures and Structureâ€Enhanced Functionalities. Advanced Optical Materials, 2020, 8, 1902164.	3.6	16
83	Highly Reproducible Fabrication of Perovskite Films with an Ultrawide Antisolvent Dripping Window for Largeâ€Scale Flexible Solar Cells. Solar Rrl, 2021, 5, .	3.1	16
84	Comparison of the Extended Gate Field-Effect Transistor with Direct Potentiometric Sensing for Super-Nernstian InN/InGaN Quantum Dots. ACS Omega, 2020, 5, 32800-32805.	1.6	16
85	Practical room temperature formaldehyde sensing based on a combination of visible-light activation and dipole modification. Journal of Materials Chemistry A, 2021, 9, 23955-23967.	5.2	16
86	Assembling Hollow Cactus-Like ZnO Nanorods with Dipole-Modified Graphene Nanosheets for Practical Room-Temperature Formaldehyde Sensing. ACS Applied Materials & Interfaces, 2022, 14, 13186-13195.	4.0	16
87	In Situ Construction of the Coral-like Polyaniline on the Aligned Silicon Nanowire Arrays for Silicon Substrate On-chip Supercapacitors. ACS Applied Energy Materials, 2020, 3, 11792-11802.	2.5	15
88	Ethylene Glycol Electrochemical Reforming Using Ruthenium Nanoparticle-Decorated Nickel Phosphide Ultrathin Nanosheets. ACS Applied Materials & Interfaces, 2021, 13, 42763-42772.	4.0	15
89	Phototriggered Complex Motion by Programmable Construction of Light-Driven Molecular Motors in Liquid Crystal Networks. Journal of the American Chemical Society, 2022, 144, 6851-6860.	6.6	15
90	Coating and Patterning Functional Materials for Large Area Electrofluidic Arrays. Materials, 2016, 9, 707.	1.3	13

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91	Unassisted water splitting with 9.3% efficiency by a single quantum nanostructure photoelectrode. International Journal of Hydrogen Energy, 2019, 44, 19650-19657.	3.8	13
92	Electrocatalytic activity of InN/InGaN quantum dots. Electrochemistry Communications, 2019, 106, 106514.	2.3	12
93	Optical integrated chips with micro and nanostructures for refractive index and SERS-based optical label-free sensing. Nanophotonics, 2015, 4, 419-436.	2.9	11
94	Allâ€Solutionâ€Processed, Scalable, Selfâ€Cracking Ag Network Transparent Conductor. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700504.	0.8	11
95	Nondestructive Transfer Strategy for High-Efficiency Flexible Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 47003-47007.	4.0	11
96	Microfluidic-Assisted Fabrication of Monodisperse Coreâ€“Shell Microcapsules for Pressure-Sensitive Adhesive with Enhanced Performance. Nanomaterials, 2020, 10, 274.	1.9	11
97	Synthesis and a Photo-Stability Study of Organic Dyes for Electro-Fluidic Display. Micromachines, 2020, 11, 81.	1.4	11
98	Translating 2D Director Profile to 3D Topography in a Liquid Crystal Polymer. Advanced Science, 2021, 8, 2004749.	5.6	11
99	Tunable White Light-Emitting Devices Based on Unilaminar High-Efficiency Zn²⁺-Doped Blue CsPbBr₃ Quantum Dots. Journal of Physical Chemistry Letters, 2021, 12, 8507-8512.	2.1	11
100	Nematic Order, Plasmonic Switching and Selfâ€Patterning of Colloidal Gold Bipyramids. Advanced Science, 2021, 8, e2102854.	5.6	11
101	Asymmetrical Electrowetting on Dielectrics Induced by Charge Transfer through an Oil/Water Interface. Langmuir, 2018, 34, 11943-11951.	1.6	10
102	Multifunctionalized Microscale Ultrasound Contrast Agents for Precise Theranostics of Malignant Tumors. Contrast Media and Molecular Imaging, 2019, 2019, 1-18.	0.4	10
103	Large-Area High-Contrast Hydrophobic/Hydrophilic Patterned Surface for Robust Electrowetting Devices. ACS Applied Nano Materials, 2019, 2, 1018-1026.	2.4	10
104	Assembly with copper(<scp>ii</scp>) ions and Dâ€“Ïâ€“A molecules on a graphene surface for ultra-fast acetic acid sensing at room temperature. RSC Advances, 2019, 9, 30432-30438.	1.7	10
105	Localized Liquid Secretion from a Photopatterned Liquid-Crystal Polymer Skin. ACS Applied Polymer Materials, 2020, 2, 4071-4077.	2.0	10
106	Electric dipole of InN/InGaN quantum dots and holes and giant surface photovoltage directly measured by Kelvin probe force microscopy. Scientific Reports, 2020, 10, 5930.	1.6	10
107	Versatile homeotropic liquid crystal alignment with tunable functionality prepared by one-step method. Journal of Colloid and Interface Science, 2022, 608, 2290-2297.	5.0	10
108	Thermochromic Multicolored Photonic Coatings with Light Polarization- and Structural Color-Dependent Changes. ACS Applied Polymer Materials, 2022, 4, 537-545.	2.0	10

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109	Nanoid Canyons On-Demand: Electrically Switchable Surface Topography in Liquid Crystal Networks. ACS Applied Materials & Interfaces, 2018, 10, 37743-37748.	4.0	9
110	Stable Copper Tin Sulfide Nanoflower Modified Carbon Quantum Dots for Improved Supercapacitors. Journal of Chemistry, 2019, 2019, 1-5.	0.9	9
111	A portable driving system for highâ€resolution active matrix electrowetting display based on FPGA. Journal of the Society for Information Display, 2020, 28, 287-296.	0.8	9
112	Charge transfer driven by redox dye molecules on graphene nanosheets for room-temperature gas sensing. Nanoscale, 2021, 13, 18596-18607.	2.8	9
113	Bubble Manipulation Driven by Alternating Current Electrowetting: Oscillation Modes and Surface Detachment. Langmuir, 2021, 37, 6898-6904.	1.6	9
114	Understanding the effect of antisolvent on processing window and efficiency for large-area flexible perovskite solar cells. Materials Today Physics, 2021, 21, 100565.	2.9	9
115	Enhanced Light Trapping and Charge Separation via Pyramidal Cu₂O/NiCo-LDH Photocathode for Efficient Water Splitting. ACS Applied Energy Materials, 2022, 5, 992-1001.	2.5	9
116	Forming Spacers in Situ by Photolithography to Mechanically Stabilize Electrofluidic-Based Switchable Optical Elements. Materials, 2016, 9, 250.	1.3	8
117	High Efficiency Hydrodynamic DNA Fragmentation in a Bubbling System. Scientific Reports, 2017, 7, 40745.	1.6	8
118	Synthesis and application of an alkylated pyrazoleâ€based azo dye for electrofluidic display. Journal of the Society for Information Display, 2018, 26, 369-375.	0.8	8
119	An InGaN/SiNx/Si Uniband Diode. Journal of Electronic Materials, 2020, 49, 3577-3582.	1.0	8
120	Large-Area and High-Throughput PDMS Microfluidic Chip Fabrication Assisted by Vacuum Airbag Laminator. Micromachines, 2017, 8, 218.	1.4	7
121	Effects of Afternoon Nap Deprivation on Adult Habitual Nappersâ€™ Inhibition Functions. BioMed Research International, 2018, 2018, 1-9.	0.9	7
122	Imidazolium ionic liquid induced one-step synthesis of ?-Fe2O3 nanorods and nanorod assemblies for lithium-ion battery. APL Materials, 2016, 4, .	2.2	6
123	Contactless Control of Local Surface Buckling in Photoaligned Gold/Liquid Crystal Polymer Bilayers. Langmuir, 2018, 34, 10543-10549.	1.6	6
124	Cholesteric Flakes in Motion Driven by the Elastic Force from Nematic Liquid Crystals. ACS Applied Materials & Interfaces, 2019, 11, 40916-40922.	4.0	6
125	Spatial Surface Charge Engineering for Electrochemical Electrodes. Scientific Reports, 2019, 9, 14489.	1.6	6
126	Allâ€Solutionâ€Processed Micro/Nanowires with Electroplate Welding as Transparent Conducting Electrodes. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900010.	1.2	6

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127	Oil Conductivity, Electric-Field-Induced Interfacial Charge Effects, and Their Influence on the Electro-Optical Response of Electrowetting Display Devices. Micromachines, 2020, 11, 702.	1.4	6
128	Cu2O as hole injection layer on In-rich InGaN nanowires. Journal of Applied Physics, 2020, 128, .	1.1	6
129	Modeling of Oil/Water Interfacial Dynamics in Three-Dimensional Bistable Electrowetting Display Pixels. ACS Omega, 2020, 5, 5326-5333.	1.6	6
130	Multi-wavelength light emission from InGaN nanowires on pyramid-textured Si(100) substrate grown by stationary plasma-assisted molecular beam epitaxy. Nanoscale, 2020, 12, 8836-8846.	2.8	6
131	Flow-Field-Assisted Dielectrophoretic Microchips for High-Efficiency Sheathless Particle/Cell Separation with Dual Mode. Analytical Chemistry, 2021, 93, 7606-7615.	3.2	6
132	InGaN/Cu2O Heterostructure Core-Shell Nanowire Photoanode for Efficient Solar Water Splitting. Frontiers in Physics, 2021, 9, .	1.0	6
133	Programmable Control of Twoâ€Phase Fluid Interface Relative Motion in Electrowetting Device. Advanced Materials Interfaces, 2021, 8, 2101086.	1.9	6
134	Three-Dimensional Graphene-Based Foams with â€œGreater Electron Transferring Areasâ€•Deriving High Gas Sensitivity. ACS Applied Nano Materials, 2021, 4, 13234-13245.	2.4	6
135	Versatile SrFeO for memristive neurons and synapses. Journal of Materiomics, 2022, 8, 967-975.	2.8	6
136	Electrochemical Exfoliation of Naturally Occurring Layered Mineral Stibnite (Sb₂S₃) for Highly Sensitive and Fast Roomâ€Temperature Acetone Sensing. Advanced Materials Interfaces, 2022, 9, .	1.9	6
137	38â€1: Invited Paper: Recent Progress in Video Electronic Paper Displays based on Electroâ€fluidic Technology. Digest of Technical Papers SID International Symposium, 2017, 48, 535-538.	0.1	5
138	Novel perylene-based organic dyes for electro-fluidic displays. New Journal of Chemistry, 2020, 44, 415-421.	1.4	5
139	Impedance analysis of oil conductivity and pixel non-uniformity in electrowetting displays. Results in Physics, 2020, 18, 103223.	2.0	5
140	Synergy of CO2-response and aggregation induced emission in a small molecule: renewable liquid and solid CO2 chemosensors with high sensitivity and visibility. Analyst, The, 2020, 145, 3528-3534.	1.7	5
141	A realâ€time touch control system design based on fieldâ€programmable gate array via optimizing Bresenham algorithm for electrowetting displays. Journal of the Society for Information Display, 2021, 29, 573-583.	0.8	5
142	A Sleep Stage Classification Algorithm of Wearable System Based on Multiscale Residual Convolutional Neural Network. Journal of Sensors, 2021, 2021, 1-10.	0.6	5
143	Molecular alignment, large surface deformations and hysteresis effects in polydomain LC polymer films under an in-plane DC electric field. Journal of Physics and Chemistry of Solids, 2018, 122, 36-40.	1.9	4
144	Effects of bright light and an afternoon nap on task performance depend on the cognitive domain. Journal of Sleep Research, 2021, 30, e13242.	1.7	4

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145	Three-Dimensional Mechanistic Modeling of Gate Leakage Current in High- Îº MOSFETs. Physical Review Applied, 2020, 13, .	1.5	4
146	Influence of molecular weight on helical twisting power of oligomer chiral dopants. Journal of Molecular Liquids, 2021, 339, 116816.	2.3	4
147	A new strategy: fermi level control to realize 3D pyramidal NiCo-LDH/ReS₂/n-PSi as a high-performance photoanode for the oxygen evolution reaction. Journal of Materials Chemistry C, 2022, 10, 3848-3855.	2.7	4
148	Flexible Freestanding Carbon Nanofiber-Embedded TiO₂ Nanoparticles as Anode Material for Sodium-Ion Batteries. Scanning, 2018, 2018, 1-7.	0.7	3
149	Highly oriented and ordered microstructures in block copolymer films. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 1369-1375.	2.4	3
150	Anisotropic Piezoelectric Response from InGaN Nanowires with Spatially Modulated Composition and Topography over a Textured Si(100) Substrate. ACS Applied Materials & Interfaces, 2021, 13, 7517-7528.	4.0	3
151	High-Îº La2O3 as an anode modifier to reduce leakage current for efficient perovskite solar cells. Surfaces and Interfaces, 2021, 24, 101102.	1.5	3
152	One-Compartment InGaN Nanowire Fuel Cell in the Light and Dark Operating Modes. ACS Omega, 2021, 6, 17464-17471.	1.6	3
153	3.1: Invited Paper: Electrowetting display: Towards fullâ€color video reflective display. Digest of Technical Papers SID International Symposium, 2021, 52, 59-63.	0.1	3
154	Controlling the Phase Behavior and Reflection of Main-Chain Cholesteric Oligomers Using a Smectic Monomer. International Journal of Molecular Sciences, 2022, 23, 3275.	1.8	3
155	InN/InGaN Quantum Dot Abiotic One-Compartment Glucose Photofuel Cell: Power Supply and Sensing. ACS Omega, 2022, 7, 1437-1443.	1.6	3
156	Quartz Microcrystal-Hybridized Organosilicone Encapsulant with Enhanced Optical and Thermal Performances. Polymers, 2018, 10, 84.	2.0	2
157	Allâ€Solutionâ€Processed Micro/Nanowires with Electroplate Welding as Transparent Conducting Electrodes. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1970027.	1.2	2
158	Photonic Thin Films Assembled from Amphiphilic Cellulose Nanofibrils Displaying Iridescent Full-Colors. ACS Applied Bio Materials, 2020, 3, 4522-4530.	2.3	2
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160	Graphene-based Room Temperature Gas Sensing Materials. Current Chinese Science, 2021, 1, 98-114.	0.2	2
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