

Guofu Zhou

List of Publications by Year in descending order

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168
papers

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126708

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#	ARTICLE	IF	CITATIONS
1	Versatile homeotropic liquid crystal alignment with tunable functionality prepared by one-step method. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2290-2297.	5.0	10
2	Enhanced Light Trapping and Charge Separation via Pyramidal Cu ₂ O/NiCo-LDH Photocathode for Efficient Water Splitting. <i>ACS Applied Energy Materials</i> , 2022, 5, 992-1001.	2.5	9
3	Carbon quantum dots in hard carbon: An approach to achieving PIB anodes with high potassium adsorption. <i>Carbon</i> , 2022, 189, 142-151.	5.4	19
4	A new strategy: fermi level control to realize 3D pyramidal NiCo-LDH/ReS ₂ /n-PSi as a high-performance photoanode for the oxygen evolution reaction. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3848-3855.	2.7	4
5	Photo-Embossed Surface Relief Structures with Improved Aspect Ratios and Their Applications in Liquid Crystal Devices. <i>Polymers</i> , 2022, 14, 171.	2.0	1
6	Thermochromic Cholesteric Liquid Crystal Microcapsules with Cellulose Nanocrystals and a Melamine Resin Hybrid Shell. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4588-4597.	4.0	37
7	Carbon Dots Embedded in Cellulose Film: Programmable, Performance-Tunable, and Large-Scale Subtle Fluorescent Patterning by <i>in Situ</i> Laser Writing. <i>ACS Nano</i> , 2022, 16, 2910-2920.	7.3	21
8	Assembling Hollow Cactus-Like ZnO Nanorods with Dipole-Modified Graphene Nanosheets for Practical Room-Temperature Formaldehyde Sensing. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 13186-13195.	4.0	16
9	Controlling the Phase Behavior and Reflection of Main-Chain Cholesteric Oligomers Using a Smectic Monomer. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3275.	1.8	3
10	Phototriggered Complex Motion by Programmable Construction of Light-Driven Molecular Motors in Liquid Crystal Networks. <i>Journal of the American Chemical Society</i> , 2022, 144, 6851-6860.	6.6	15
11	InN/InGaN Quantum Dot Abiotic One-Compartment Glucose Photofuel Cell: Power Supply and Sensing. <i>ACS Omega</i> , 2022, 7, 1437-1443.	1.6	3
12	Thermochromic Multicolored Photonic Coatings with Light Polarization- and Structural Color-Dependent Changes. <i>ACS Applied Polymer Materials</i> , 2022, 4, 537-545.	2.0	10
13	Versatile SrFeO for memristive neurons and synapses. <i>Journal of Materiomics</i> , 2022, 8, 967-975.	2.8	6
14	Sustainable and Versatile Superhydrophobic Cellulose Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 5939-5948.	3.2	36
15	Cellulose nanocrystal chiral photonic micro-flakes for multilevel anti-counterfeiting and identification. <i>Chemical Engineering Journal</i> , 2022, 446, 136630.	6.6	23
16	Electrochemical Exfoliation of Naturally Occurring Layered Mineral Stibnite (Sb ₂ S ₃) for Highly Sensitive and Fast Room-Temperature Acetone Sensing. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	6
17	Photothermal Dual Passively Driven Liquid Crystal Smart Window. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 28301-28309.	4.0	30
18	Water- and Heat-Induced Crack-Healing of UCST-Type Poly(acrylamide-co-acrylonitrile) with Intrinsic Controllability and Reversibility. <i>ACS Applied Polymer Materials</i> , 2022, 4, 4860-4867.	2.0	2

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19	Effects of bright light and an afternoon nap on task performance depend on the cognitive domain. <i>Journal of Sleep Research</i> , 2021, 30, e13242.	1.7	4
20	Light-deformable dynamic surface fabricated by ink-jet printing. <i>Soft Matter</i> , 2021, 17, 748-757.	1.2	1
21	Vertically aligned InGaN nanowire arrays on pyramid textured Si (1 0 0): A 3D arrayed light trapping structure for photoelectrocatalytic water splitting. <i>Chemical Engineering Journal</i> , 2021, 406, 126757.	6.6	20
22	Highly Reproducible Fabrication of Perovskite Films with an Ultrawide Antisolvent Dripping Window for Large-Scale Flexible Solar Cells. <i>Solar Rrl</i> , 2021, 5, .	3.1	16
23	Electroconvection in Zwitterion-Doped Nematic Liquid Crystals and Application as Smart Windows. <i>Advanced Optical Materials</i> , 2021, 9, 2001465.	3.6	32
24	4D Chiral Photonic Actuators with Switchable Hyper-Reflectivity. <i>Advanced Functional Materials</i> , 2021, 31, 2007887.	7.8	45
25	Direct Growth of Oxygen Vacancy-Enriched Co ₃ O ₄ Nanosheets on Carbon Nanotubes for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4419-4428.	4.0	55
26	Charge transfer driven by redox dye molecules on graphene nanosheets for room-temperature gas sensing. <i>Nanoscale</i> , 2021, 13, 18596-18607.	2.8	9
27	Strong self-trapping by deformation potential limits photovoltaic performance in bismuth double perovskite. <i>Science Advances</i> , 2021, 7, .	4.7	98
28	Anisotropic Piezoelectric Response from InGaN Nanowires with Spatially Modulated Composition and Topography over a Textured Si(100) Substrate. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 7517-7528.	4.0	3
29	Rapid Microwave-Assisted Synthesis of SnO ₂ Quantum Dots for Efficient Planar Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 1887-1893.	2.5	37
30	Translating 2D Director Profile to 3D Topography in a Liquid Crystal Polymer. <i>Advanced Science</i> , 2021, 8, 2004749.	5.6	11
31	Inkless Rewritable Photonic Crystals Paper Enabled by a Light-Driven Azobenzene Mesogen Switch. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 12383-12392.	4.0	28
32	A real-time touch control system design based on field-programmable gate array via optimizing Bresenham algorithm for electrowetting displays. <i>Journal of the Society for Information Display</i> , 2021, 29, 573-583.	0.8	5
33	Photo-responsive Helical Motion by Light-Driven Molecular Motors in a Liquid-Crystal Network. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8251-8257.	7.2	49
34	Optical modeling of cellulose nanofibril self-assembled thin film with iridescence. <i>Colloid and Polymer Science</i> , 2021, 299, 1139.	1.0	1
35	3D InGaN nanowire arrays on oblique pyramid-textured Si (311) for light trapping and solar water splitting enhancement. <i>Nano Energy</i> , 2021, 83, 105768.	8.2	19
36	Flow-Field-Assisted Dielectrophoretic Microchips for High-Efficiency Sheathless Particle/Cell Separation with Dual Mode. <i>Analytical Chemistry</i> , 2021, 93, 7606-7615.	3.2	6

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37	InGaN/Cu ₂ O Heterostructure Core-Shell Nanowire Photoanode for Efficient Solar Water Splitting. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	6
38	A Photovoltaic Self-Powered Gas Sensor Based on All-Dry Transferred MoS ₂ /GaSe Heterojunction for ppb-Level NO ₂ Sensing at Room Temperature. <i>Advanced Science</i> , 2021, 8, e2100472.	5.6	75
39	High- γ La ₂ O ₃ as an anode modifier to reduce leakage current for efficient perovskite solar cells. <i>Surfaces and Interfaces</i> , 2021, 24, 101102.	1.5	3
40	Temperature-Responsive Photonic Devices Based on Cholesteric Liquid Crystals. <i>Advanced Photonics Research</i> , 2021, 2, 2100016.	1.7	55
41	Bubble Manipulation Driven by Alternating Current Electrowetting: Oscillation Modes and Surface Detachment. <i>Langmuir</i> , 2021, 37, 6898-6904.	1.6	9
42	One-Compartment InGaN Nanowire Fuel Cell in the Light and Dark Operating Modes. <i>ACS Omega</i> , 2021, 6, 17464-17471.	1.6	3
43	3.1: Invited Paper: Electrowetting display: Towards full-color video reflective display. <i>Digest of Technical Papers SID International Symposium</i> , 2021, 52, 59-63.	0.1	3
44	Tunable White Light-Emitting Devices Based on Unilaminar High-Efficiency Zn ²⁺ -Doped Blue CsPbBr ₃ Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8507-8512.	2.1	11
45	Comparison with Experiment, Model, and Simulation for Thermal Conductive Mechanism of Polymer Composites without Particle Network. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2100200.	1.1	1
46	Direct ink writing of fluoropolymer/CNT-based superhydrophobic and corrosion-resistant electrodes for droplet energy harvesters and self-powered electronic skins. <i>Nano Energy</i> , 2021, 86, 106095.	8.2	33
47	Wearable Optical Sensing of Strain and Humidity: A Patterned Dual-Responsive Semi-Interpenetrating Network of a Cholesteric Main-Chain Polymer and a Poly(ampholyte). <i>Advanced Functional Materials</i> , 2021, 31, 2104641.	7.8	33
48	Nematic Order, Plasmonic Switching and Self-Patterning of Colloidal Gold Bipyramids. <i>Advanced Science</i> , 2021, 8, e2102854.	5.6	11
49	Ethylene Glycol Electrochemical Reforming Using Ruthenium Nanoparticle-Decorated Nickel Phosphide Ultrathin Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 42763-42772.	4.0	15
50	Influence of molecular weight on helical twisting power of oligomer chiral dopants. <i>Journal of Molecular Liquids</i> , 2021, 339, 116816.	2.3	4
51	Reversible Thermochromic Photonic Coatings with a Protective Topcoat. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3153-3160.	4.0	34
52	Practical room temperature formaldehyde sensing based on a combination of visible-light activation and dipole modification. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23955-23967.	5.2	16
53	Multi-Chromophore Dyes for Improving Light Stability of Electro-Fluidic Displays. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	1
54	Programmable Control of Two-Phase Fluid Interface Relative Motion in Electrowetting Device. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101086.	1.9	6

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55	Understanding the effect of antisolvent on processing window and efficiency for large-area flexible perovskite solar cells. <i>Materials Today Physics</i> , 2021, 21, 100565.	2.9	9
56	Graphene-based Room Temperature Gas Sensing Materials. <i>Current Chinese Science</i> , 2021, 1, 98-114.	0.2	2
57	A Sleep Stage Classification Algorithm of Wearable System Based on Multiscale Residual Convolutional Neural Network. <i>Journal of Sensors</i> , 2021, 2021, 1-10.	0.6	5
58	Three-Dimensional Graphene-Based Foams with "Greater Electron Transferring Areas" Deriving High Gas Sensitivity. <i>ACS Applied Nano Materials</i> , 2021, 4, 13234-13245.	2.4	6
59	Configuration-Controllable Polymeric Nanovehicles Self-Assembled in Pixel Grids under an Electric Field. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4052-4060.	4.0	0
60	Dopant-free F-substituted benzodithiophene copolymer hole-transporting materials for efficient and stable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1858-1864.	5.2	49
61	A Patterned Mechanochromic Photonic Polymer for Reversible Image Reveal. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901878.	1.9	50
62	A portable driving system for high-resolution active matrix electrowetting display based on FPGA. <i>Journal of the Society for Information Display</i> , 2020, 28, 287-296.	0.8	9
63	Novel perylene-based organic dyes for electro-fluidic displays. <i>New Journal of Chemistry</i> , 2020, 44, 415-421.	1.4	5
64	Stable Triple Cation Perovskite Precursor for Highly Efficient Perovskite Solar Cells Enabled by Interaction with 18C6 Stabilizer. <i>Advanced Functional Materials</i> , 2020, 30, 1908613.	7.8	65
65	Electrically Controlled Localized Charge Trapping at Amorphous Fluoropolymer "Electrolyte Interfaces. <i>Small</i> , 2020, 16, e1905726.	5.2	41
66	Oil Conductivity, Electric-Field-Induced Interfacial Charge Effects, and Their Influence on the Electro-Optical Response of Electrowetting Display Devices. <i>Micromachines</i> , 2020, 11, 702.	1.4	6
67	Cu ₂ O as hole injection layer on In-rich InGa _N nanowires. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	6
68	Impedance analysis of oil conductivity and pixel non-uniformity in electrowetting displays. <i>Results in Physics</i> , 2020, 18, 103223.	2.0	5
69	Fluorinated interfacial layers in perovskite solar cells: efficient enhancement of the fill factor. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16527-16533.	5.2	17
70	Uniform honeycomb CNT-microparticles prepared via droplet-microfluidics and sacrificial nanoparticles for electrochemical determination of methyl parathion. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128517.	4.0	28
71	Field-Induced Wettability Gradients for No-Loss Transport of Oil Droplets on Slippery Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38723-38729.	4.0	23
72	Enhanced Ferroelectric Properties and Insulator "Metal Transition-Induced Shift of Polarization-Voltage Hysteresis Loop in VO _x -Capped Hf _{0.5} Zr _{0.5} O ₂ Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40510-40517.	4.0	21

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73	Localized Liquid Secretion from a Photopatterned Liquid-Crystal Polymer Skin. <i>ACS Applied Polymer Materials</i> , 2020, 2, 4071-4077.	2.0	10
74	All-Dry Transferred ReS ₂ Nanosheets for Ultrasensitive Room-Temperature NO ₂ Sensing under Visible Light Illumination. <i>ACS Sensors</i> , 2020, 5, 3172-3181.	4.0	34
75	<i>In Situ</i> Construction of the Coral-like Polyaniline on the Aligned Silicon Nanowire Arrays for Silicon Substrate On-chip Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020, 3, 11792-11802.	2.5	15
76	Driving Waveform Design of Electrophoretic Display Based on Optimized Particle Activation for a Rapid Response Speed. <i>Micromachines</i> , 2020, 11, 498.	1.4	20
77	Electric dipole of InN/InGaN quantum dots and holes and giant surface photovoltage directly measured by Kelvin probe force microscopy. <i>Scientific Reports</i> , 2020, 10, 5930.	1.6	10
78	Janus Nanoparticles with Tunable Amphiphilicity for Stabilizing Pickering-Emulsion Droplets via Assembly Behavior at Oil/Water Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26374-26383.	4.0	26
79	Photonic Thin Films Assembled from Amphiphilic Cellulose Nanofibrils Displaying Iridescent Full-Colors. <i>ACS Applied Bio Materials</i> , 2020, 3, 4522-4530.	2.3	2
80	An InGaN/SiNx/Si Uniband Diode. <i>Journal of Electronic Materials</i> , 2020, 49, 3577-3582.	1.0	8
81	Multilevel Spherical Photonic Crystals with Controllable Structures and Structure-Enhanced Functionalities. <i>Advanced Optical Materials</i> , 2020, 8, 1902164.	3.6	16
82	Driving Waveform Design of Electrowetting Displays Based on an Exponential Function for a Stable Grayscale and a Short Driving Time. <i>Micromachines</i> , 2020, 11, 313.	1.4	31
83	Modeling of Oil/Water Interfacial Dynamics in Three-Dimensional Bistable Electrowetting Display Pixels. <i>ACS Omega</i> , 2020, 5, 5326-5333.	1.6	6
84	Synergy of CO ₂ -response and aggregation induced emission in a small molecule: renewable liquid and solid CO ₂ chemosensors with high sensitivity and visibility. <i>Analyst</i> , The, 2020, 145, 3528-3534.	1.7	5
85	The relationship between hole size and the voltage-driven formation of surface structures in an ITO/liquid crystal polymer/perforated metal electrode system. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 141, 109418.	1.9	2
86	Polymer Stabilized Cholesteric Liquid Crystal Siloxane for Temperature-Responsive Photonic Coatings. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1803.	1.8	30
87	Multi-wavelength light emission from InGaN nanowires on pyramid-textured Si(100) substrate grown by stationary plasma-assisted molecular beam epitaxy. <i>Nanoscale</i> , 2020, 12, 8836-8846.	2.8	6
88	Surface-Induced 2D/1D Heterostructured Growth of ReS ₂ /CoS ₂ for High-Performance Electrocatalysts. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33586-33594.	4.0	30
89	Charge Trapping-Based Electricity Generator (CTEG): An Ultrarobust and High Efficiency Nanogenerator for Energy Harvesting from Water Droplets. <i>Advanced Materials</i> , 2020, 32, e2001699.	11.1	99
90	Building a smart surface with converse temperature-dependent wettability based on poly(acrylamide-co-acrylonitrile). <i>Chemical Communications</i> , 2020, 56, 2837-2840.	2.2	18

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91	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
92	Three-Dimensional Mechanistic Modeling of Gate Leakage Current in High- $\hat{\nu}$ MOSFETs. Physical Review Applied, 2020, 13, .	1.5	4
93	Microfluidic-Assisted Fabrication of Monodisperse Core-Shell Microcapsules for Pressure-Sensitive Adhesive with Enhanced Performance. Nanomaterials, 2020, 10, 274.	1.9	11
94	Synthesis and a Photo-Stability Study of Organic Dyes for Electro-Fluidic Display. Micromachines, 2020, 11, 81.	1.4	11
95	Hierarchical Defective Fe ₃ C@C Hollow Microsphere Enables Fast and Long-Lasting Lithium-Sulfur Batteries. Advanced Functional Materials, 2020, 30, 2001165.	7.8	144
96	Nanoscale Phase Mixture and Multifield-Induced Topotactic Phase Transformation in SrFeO _x . ACS Applied Materials & Interfaces, 2020, 12, 21883-21893.	4.0	19
97	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
98	Lithium-Sulfur Batteries: Hierarchical Defective Fe ₃ C@C Hollow Microsphere Enables Fast and Long-Lasting Lithium-Sulfur Batteries (Adv. Funct. Mater. 22/2020). Advanced Functional Materials, 2020, 30, .	7.8	1
99	Multifunctionalized Microscale Ultrasound Contrast Agents for Precise Theranostics of Malignant Tumors. Contrast Media and Molecular Imaging, 2019, 2019, 1-18.	0.4	10
100	Electrocatalytic activity of InN/InGaN quantum dots. Electrochemistry Communications, 2019, 106, 106514.	2.3	12
101	Role of Electron-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
102	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
103	All-Inorganic Flexible Ba _{0.67} Sr _{0.33} TiO ₃ Thin Films with Excellent Dielectric Properties over a Wide Range of Frequencies. ACS Applied Materials & Interfaces, 2019, 11, 27088-27097.	4.0	32
104	Stable Copper Tin Sulfide Nanoflower Modified Carbon Quantum Dots for Improved Supercapacitors. Journal of Chemistry, 2019, 2019, 1-5.	0.9	9
105	All-Solution-Processed Micro/Nanowires with Electroplate Welding as Transparent Conducting Electrodes. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1970027.	1.2	2
106	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
107	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
108	Cholesteric Flakes in Motion Driven by the Elastic Force from Nematic Liquid Crystals. ACS Applied Materials & Interfaces, 2019, 11, 40916-40922.	4.0	6

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109	Spatial Surface Charge Engineering for Electrochemical Electrodes. <i>Scientific Reports</i> , 2019, 9, 14489.	1.6	6
110	Excellent Ferroelectric Properties of Hf _{0.5} Zr _{0.5} O ₂ Thin Films Induced by Al ₂ O ₃ Dielectric Layer. <i>IEEE Electron Device Letters</i> , 2019, 40, 1937-1940.	2.2	49
111	Nanoscale Topotactic Phase Transformation in SrFeO _x Epitaxial Thin Films for High-Density Resistive Switching Memory. <i>Advanced Materials</i> , 2019, 31, e1903679.	11.1	58
112	Synergy of CO ₂ Response and Aggregation-Induced Emission in a Block Copolymer: A Facile Way To See Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 37077-37083.	4.0	23
113	Preparation of an Interpenetrating Network of a Poly(ampholyte) and a Cholesteric Polymer and Investigation of Its Hydrochromic Properties. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36044-36051.	4.0	17
114	Large-Area High-Contrast Hydrophobic/Hydrophilic Patterned Surface for Robust Electrowetting Devices. <i>ACS Applied Nano Materials</i> , 2019, 2, 1018-1026.	2.4	10
115	Solvent-Assisted Low-Temperature Crystallization of SnO ₂ Electron-Transfer Layer for High-Efficiency Planar Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1900557.	7.8	59
116	Interfacial Complexation Induced Controllable Fabrication of Stable Polyelectrolyte Microcapsules Using All-Aqueous Droplet Microfluidics for Enzyme Release. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21227-21238.	4.0	38
117	Dye-Doped Electrically Smart Windows Based on Polymer-Stabilized Liquid Crystal. <i>Polymers</i> , 2019, 11, 694.	2.0	56
118	Microfluidics Assisted Fabrication of Three-Tier Hierarchical Microparticles for Constructing Bioinspired Surfaces. <i>ACS Nano</i> , 2019, 13, 3638-3648.	7.3	37
119	All-Solution-Processed Micro/Nanowires with Electroplate Welding as Transparent Conducting Electrodes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1900010.	1.2	6
120	Core-Shell MoS ₂ @CoO Electrocatalyst for Water Splitting in Neutral and Alkaline Solutions. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5833-5839.	1.5	38
121	Aperture Ratio Improvement by Optimizing the Voltage Slope and Reverse Pulse in the Driving Waveform for Electrowetting Displays. <i>Micromachines</i> , 2019, 10, 862.	1.4	22
122	Nondestructive Transfer Strategy for High-Efficiency Flexible Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47003-47007.	4.0	11
123	A Driving System for Fast and Precise Gray-Scale Response Based on Amplitude-Frequency Mixed Modulation in TFT Electrowetting Displays. <i>Micromachines</i> , 2019, 10, 732.	1.4	31
124	Polymer Stabilized Liquid Crystal Smart Window with Flexible Substrates Based on Low-Temperature Treatment of Polyamide Acid Technology. <i>Polymers</i> , 2019, 11, 1869.	2.0	18
125	Assembly with copper(II) ions and D-Î€A molecules on a graphene surface for ultra-fast acetic acid sensing at room temperature. <i>RSC Advances</i> , 2019, 9, 30432-30438.	1.7	10
126	Quantum dot activated indium gallium nitride on silicon as photoanode for solar hydrogen generation. <i>Communications Chemistry</i> , 2019, 2, .	2.0	22

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127	Ion Beam Defect Engineering on ReS ₂ /Si Photocathode with Significantly Enhanced Hydrogen Evolution Reaction. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801663.	1.9	22
128	Effects of a short midday nap on habitual nappers' alertness, mood and mental performance across cognitive domains. <i>Journal of Sleep Research</i> , 2019, 28, e12638.	1.7	19
129	Flexible thermal responsive infrared reflector based on cholesteric liquid crystals and polymer stabilized cholesteric liquid crystals. <i>Optics Express</i> , 2019, 27, 13516.	1.7	31
130	Mimicking a Dog's Nose: Scrolling Graphene Nanosheets. <i>ACS Nano</i> , 2018, 12, 2521-2530.	7.3	78
131	Electrowetting on dielectric: experimental and model study of oil conductivity on rupture voltage. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 195102.	1.3	19
132	Light-Driven Electrohydrodynamic Instabilities in Liquid Crystals. <i>Advanced Functional Materials</i> , 2018, 28, 1707436.	7.8	35
133	Ultrathin Alumina Mask-Assisted Nanopore Patterning on Monolayer MoS ₂ for Highly Catalytic Efficiency in Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8026-8035.	4.0	55
134	One-step chemical vapor deposition of MoS ₂ nanosheets on SiNWs as photocathodes for efficient and stable solar-driven hydrogen production. <i>Nanoscale</i> , 2018, 10, 3518-3525.	2.8	57
135	Influence of fluoropolymer surface wettability on electrowetting display performance. <i>Displays</i> , 2018, 53, 47-53.	2.0	24
136	All-Solution-Processed, Scalable, Self-Cracking Ag Network Transparent Conductor. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700504.	0.8	11
137	Flexible Freestanding Carbon Nanofiber-Embedded TiO ₂ Nanoparticles as Anode Material for Sodium-Ion Batteries. <i>Scanning</i> , 2018, 2018, 1-7.	0.7	3
138	Highly oriented and ordered microstructures in block copolymer films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018, 56, 1369-1375.	2.4	3
139	Nanoid Canyons On-Demand: Electrically Switchable Surface Topography in Liquid Crystal Networks. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 37743-37748.	4.0	9
140	Asymmetrical Electrowetting on Dielectrics Induced by Charge Transfer through an Oil/Water Interface. <i>Langmuir</i> , 2018, 34, 11943-11951.	1.6	10
141	Synthesis and application of an alkylated pyrazole-based azo dye for electrofluidic display. <i>Journal of the Society for Information Display</i> , 2018, 26, 369-375.	0.8	8
142	Effects of Afternoon Nap Deprivation on Adult Habitual Nappers' Inhibition Functions. <i>BioMed Research International</i> , 2018, 2018, 1-9.	0.9	7
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