

Guozhen Shen

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible Energy Storage Devices: Design Consideration and Recent Progress. <i>Advanced Materials</i> , 2014, 26, 4763-4782.	11.1	1,153
2	Hierarchical Three-Dimensional ZnCo ₂ O ₄ Nanowire Arrays/Carbon Cloth Anodes for a Novel Class of High-Performance Flexible Lithium-Ion Batteries. <i>Nano Letters</i> , 2012, 12, 3005-3011.	4.5	967
3	Preparation and Characterization of Flexible Asymmetric Supercapacitors Based on Transition-Metal-Oxide Nanowire/Single-Walled Carbon Nanotube Hybrid Thin-Film Electrodes. <i>ACS Nano</i> , 2010, 4, 4403-4411.	7.3	729
4	Flexible Asymmetric Supercapacitors Based upon Co ₉ S ₈ Nanorod//Co ₃ O ₄ @RuO ₂ Nanosheet Arrays on Carbon Cloth. <i>ACS Nano</i> , 2013, 7, 5453-5462.	7.3	613
5	An ultra-sensitive and rapid response speed graphene pressure sensors for electronic skin and health monitoring. <i>Nano Energy</i> , 2016, 23, 7-14.	8.2	467
6	Interlayer Transition and Infrared Photodetection in Atomically Thin Type-II MoTe ₂ /MoS ₂ van der Waals Heterostructures. <i>ACS Nano</i> , 2016, 10, 3852-3858.	7.3	453
7	Flexible electronics based on inorganic nanowires. <i>Chemical Society Reviews</i> , 2015, 44, 161-192.	18.7	429
8	Fiber-Based Flexible All-Solid-State Asymmetric Supercapacitors for Integrated Photodetecting System. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1849-1853.	7.2	387
9	New Energy Storage Option: Toward ZnCo ₂ O ₄ Nanorods/Nickel Foam Architectures for High-Performance Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 10011-10017.	4.0	362
10	NiCo ₂ O ₄ nanowire arrays supported on Ni foam for high-performance flexible all-solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2468.	5.2	344
11	New insights and perspectives into biological materials for flexible electronics. <i>Chemical Society Reviews</i> , 2017, 46, 6764-6815.	18.7	322
12	Wearable Sensors Enabled Human-Machine Interaction Systems: From Design to Application. <i>Advanced Functional Materials</i> , 2021, 31, 2008936.	7.8	322
13	Ternary oxide nanostructured materials for supercapacitors: a review. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10158-10173.	5.2	320
14	Morphology evolution of urchin-like NiCo ₂ O ₄ nanostructures and their applications as pseudocapacitors and photoelectrochemical cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 21647.	6.7	310
15	Bioinspired Interlocked Structure-Induced High Deformability for Two-Dimensional Titanium Carbide (MXene)/Natural Microcapsule-Based Flexible Pressure Sensors. <i>ACS Nano</i> , 2019, 13, 9139-9147.	7.3	308
16	Thickness-Dependent Photocatalytic Performance of ZnO Nanoplatelets. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15146-15151.	1.2	305
17	Devices and chemical sensing applications of metal oxide nanowires. <i>Journal of Materials Chemistry</i> , 2009, 19, 828-839.	6.7	301
18	An Artificial Flexible Visual Memory System Based on an UV-Motivated Memristor. <i>Advanced Materials</i> , 2018, 30, 1705400.	11.1	299

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19	Transparent Electronics Based on Transfer Printed Aligned Carbon Nanotubes on Rigid and Flexible Substrates. ACS Nano, 2009, 3, 73-79.	7.3	265
20	Intercalation pseudo-capacitive TiNb ₂ O ₇ @carbon electrode for high-performance lithium ion hybrid electrochemical supercapacitors with ultrahigh energy density. Nano Energy, 2015, 15, 104-115.	8.2	263
21	Flexible coaxial-type fiber supercapacitor based on NiCo ₂ O ₄ nanosheets electrodes. Nano Energy, 2014, 8, 44-51.	8.2	248
22	Rechargeable Mg-Ion Batteries Based on WSe ₂ Nanowire Cathodes. ACS Nano, 2013, 7, 8051-8058.	7.3	244
23	Characterization and Field-Emission Properties of Vertically Aligned ZnO Nanonails and Nanopencils Fabricated by a Modified Thermal-Evaporation Process. Advanced Functional Materials, 2006, 16, 410-416.	7.8	239
24	Ultrafine ZnS Nanobelts as Field Emitters. Advanced Materials, 2007, 19, 2593-2596.	11.1	236
25	Three-Dimensional Hierarchical GeSe ₂ Nanostructures for High Performance Flexible All-Solid-State Supercapacitors. Advanced Materials, 2013, 25, 1479-1486.	11.1	236
26	A flexible spiral-type supercapacitor based on ZnCo ₂ O ₄ nanorod electrodes. Nanoscale, 2015, 7, 1921-1926.	2.8	228
27	Recent Advances in Fiber Supercapacitors: Materials, Device Configurations, and Applications. Advanced Materials, 2020, 32, e1901806.	11.1	225
28	Recent Progress of Self-Powered Sensing Systems for Wearable Electronics. Small, 2017, 13, 1701791.	5.2	223
29	Bimetal Schottky Heterojunction Boosting Energy-Saving Hydrogen Production from Alkaline Water via Urea Electrocatalysis. Advanced Functional Materials, 2020, 30, 2000556.	7.8	216
30	Reviews of wearable healthcare systems: Materials, devices and system integration. Materials Science and Engineering Reports, 2020, 140, 100523.	14.8	215
31	High-Performance Organic-Inorganic Hybrid Photodetectors Based on P3HT:CdSe Nanowire Heterojunctions on Rigid and Flexible Substrates. Advanced Functional Materials, 2013, 23, 1202-1209.	7.8	213
32	Transferable and Flexible Nanorod-Assembled TiO ₂ Cloths for Dye-Sensitized Solar Cells, Photodetectors, and Photocatalysts. ACS Nano, 2011, 5, 8412-8419.	7.3	209
33	Wafer Scale Phase-Engineered 1T- and 2H-MoSe ₂ /Mo Core-Shell 3D Hierarchical Nanostructures toward Efficient Electrocatalytic Hydrogen Evolution Reaction. Advanced Materials, 2016, 28, 9831-9838.	11.1	208
34	Recent Advances in Flexible/Stretchable Supercapacitors for Wearable Electronics. Small, 2018, 14, e1702829.	5.2	208
35	High-performance energy-storage devices based on WO ₃ nanowire arrays/carbon cloth integrated electrodes. Journal of Materials Chemistry A, 2013, 1, 7167.	5.2	203
36	Ultrasensitive and ultraflexible e-skins with dual functionalities for wearable electronics. Nano Energy, 2017, 38, 28-35.	8.2	194

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37	ZnO Quantum Dot Decorated Zn ₂ SnO ₄ Nanowire Heterojunction Photodetectors with Drastic Performance Enhancement and Flexible Ultraviolet Image Sensors. ACS Nano, 2017, 11, 4067-4076.	7.3	190
38	Transition from Diffusion-Controlled Intercalation into Extrinsic Pseudocapacitive Charge Storage of MoS ₂ by Nanoscale Heterostructuring. Advanced Energy Materials, 2016, 6, 1501115.	10.2	185
39	Synthesis and Evolution of Novel Hollow ZnO Urchins by a Simple Thermal Evaporation Process. Journal of Physical Chemistry B, 2005, 109, 10578-10583.	1.2	178
40	Integrated smart electrochromic windows for energy saving and storage applications. Chemical Communications, 2014, 50, 608-610.	2.2	175
41	Flexible and transparent supercapacitor based on In ₂ O ₃ nanowire/carbon nanotube heterogeneous films. Applied Physics Letters, 2009, 94, .	1.5	173
42	Synthesis and Optical Properties of S-Doped ZnO Nanostructures: Nanonails and Nanowires. Journal of Physical Chemistry B, 2005, 109, 5491-5496.	1.2	167
43	Integrated Photo-Supercapacitor Based on Bipolar TiO ₂ Nanotube Arrays with Selective One-Side Plasma-Assisted Hydrogenation. Advanced Functional Materials, 2014, 24, 1840-1846.	7.8	163
44	Recent Developments in Graphene-Based Tactile Sensors and E-Skins. Advanced Materials Technologies, 2018, 3, 1700248.	3.0	153
45	Biomimetic, biocompatible and robust silk Fibroin-MXene film with stable 3D cross-link structure for flexible pressure sensors. Nano Energy, 2020, 78, 105252.	8.2	153
46	Chemical Sensors and Electronic Noses Based on 1-D Metal Oxide Nanostructures. IEEE Nanotechnology Magazine, 2008, 7, 668-682.	1.1	151
47	Core-Shell CuCo ₂ O ₄ @MnO ₂ Nanowires on Carbon Fabrics as High-Performance Materials for Flexible, All-Solid-State, Electrochemical Capacitors. ChemElectroChem, 2014, 1, 559-564.	1.7	149
48	Synthesis, characterization and field-emission properties of bamboo-like β -SiC nanowires. Nanotechnology, 2006, 17, 3468-3472.	1.3	146
49	Flexible fiber energy storage and integrated devices: recent progress and perspectives. Materials Today, 2015, 18, 265-272.	8.3	146
50	An Electrically Modulated Single-Color/Dual-Color Imaging Photodetector. Advanced Materials, 2020, 32, e1907257.	11.1	145
51	Highly Stretchable Micro-Supercapacitor Arrays with Hybrid MWCNT/PANI Electrodes. Advanced Materials Technologies, 2017, 2, 1600282.	3.0	144
52	Wearable sweat monitoring system with integrated micro-supercapacitors. Nano Energy, 2019, 58, 624-632.	8.2	143
53	Controlled Assembly of MXene Nanosheets as an Electrode and Active Layer for High-Performance Electronic Skin. Advanced Functional Materials, 2021, 31, 2010533.	7.8	143
54	Perception-Cognition Tactile Sensing Based on Artificial-Intelligence-Motivated Human Full-Skin Bionic Electronic Skin. Advanced Materials, 2022, 34, .	11.1	143

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55	Gas sensors, thermistor and photodetector based on ZnS nanowires. <i>Journal of Materials Chemistry</i> , 2012, 22, 6845.	6.7	140
56	Self-Coiling of Ag ₂ V ₄ O ₁₁ Nanobelts into Perfect Nanorings and Microloops. <i>Journal of the American Chemical Society</i> , 2006, 128, 11762-11763.	6.6	136
57	Hierarchical silicon nanowires-carbon textiles matrix as a binder-free anode for high-performance advanced lithium-ion batteries. <i>Scientific Reports</i> , 2013, 3, 1622.	1.6	136
58	TiO ₂ modified FeS Nanostructures with Enhanced Electrochemical Performance for Lithium-ion Batteries. <i>Scientific Reports</i> , 2013, 3, 2007.	1.6	133
59	Flexible, Planar-Integrated, All-Solid-State Fiber Supercapacitors with an Enhanced Distributed-Capacitance Effect. <i>Small</i> , 2013, 9, 1998-2004.	5.2	133
60	Nanorod-assembled Co ₃ O ₄ hexapods with enhanced electrochemical performance for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 23541.	6.7	132
61	All rGO-on-PVDF-nanofibers based self-powered electronic skins. <i>Nano Energy</i> , 2017, 35, 121-127.	8.2	132
62	Device Configurations and Future Prospects of Flexible/Stretchable Lithium-ion Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1805596.	7.8	132
63	High-aspect-ratio single-crystalline porous In ₂ O ₃ nanobelts with enhanced gas sensing properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 12852.	6.7	131
64	Flexible Photodetectors Based on 1D Inorganic Nanostructures. <i>Advanced Science</i> , 2016, 3, 1500287.	5.6	131
65	Recent Advances in Smart Wearable Sensing Systems. <i>Advanced Materials Technologies</i> , 2018, 3, 1800444.	3.0	128
66	Ti ₃ C ₂ T _x MXene Conductive Layers Supported Bio-Derived Fe _x Se _x /MXene/Carbonaceous Nanoribbons for High-Performance Half/Full Sodium-ion and Potassium-ion Batteries. <i>Advanced Materials</i> , 2021, 33, e2101535.	11.1	128
67	Flexible Self-Powered Integrated Sensing System with 3D Periodic Ordered Black Phosphorus@MXene Thin-Films. <i>Advanced Materials</i> , 2021, 33, e2007890.	11.1	127
68	Nanowires Assembled SnO ₂ Nanopolyhedrons with Enhanced Gas Sensing Properties. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2112-2117.	4.0	125
69	High-detectivity InAs nanowire photodetectors with spectral response from ultraviolet to near-infrared. <i>Nano Research</i> , 2013, 6, 775-783.	5.8	125
70	Polymer-Enhanced Highly Stretchable Conductive Fiber Strain Sensor Used for Electronic Data Gloves. <i>Advanced Materials Technologies</i> , 2016, 1, 1600136.	3.0	122
71	Flexible and transparent capacitive pressure sensor with patterned microstructured composite rubber dielectric for wearable touch keyboard application. <i>Science China Materials</i> , 2018, 61, 1587-1595.	3.5	122
72	Hierarchical MnCo ₂ O ₄ nanosheet arrays/carbon cloths as integrated anodes for lithium-ion batteries with improved performance. <i>Nanoscale</i> , 2014, 6, 8858-8864.	2.8	121

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73	Large-scale synthesis of CuO shuttle-like crystals via a convenient hydrothermal decomposition route. <i>Journal of Crystal Growth</i> , 2003, 254, 225-228.	0.7	119
74	Silicon carbide hollow nanospheres, nanowires and coaxial nanowires. <i>Chemical Physics Letters</i> , 2003, 375, 177-184.	1.2	118
75	Enhanced Field Emission Performance of ZnO Nanorods by Two Alternative Approaches. <i>Journal of Physical Chemistry C</i> , 2007, 111, 12673-12676.	1.5	116
76	Recent Advances in Carbon Material-Based Multifunctional Sensors and Their Applications in Electronic Skin Systems. <i>Advanced Functional Materials</i> , 2021, 31, 2104288.	7.8	116
77	Visible-light-driven photocatalytic and photoelectrochemical properties of porous SnS _x (x = 1,2) architectures. <i>CrystEngComm</i> , 2012, 14, 3163.	1.3	115
78	Bio-Multifunctional Smart Wearable Sensors for Medical Devices. <i>Advanced Intelligent Systems</i> , 2019, 1, 1900040.	3.3	115
79	Vapor-Solid Growth of One-Dimensional Layer-Structured Gallium Sulfide Nanostructures. <i>ACS Nano</i> , 2009, 3, 1115-1120.	7.3	111
80	Recent Advances in Perovskite Photodetectors for Image Sensing. <i>Small</i> , 2021, 17, e2005606.	5.2	111
81	Flexible Smart Noncontact Control Systems with Ultrasensitive Humidity Sensors. <i>Small</i> , 2019, 15, e1902801.	5.2	110
82	Grain-Boundary-Induced Drastic Sensing Performance Enhancement of Polycrystalline Microwire Printed Gas Sensors. <i>Advanced Materials</i> , 2019, 31, e1804583.	11.1	110
83	Advanced rechargeable lithium-ion batteries based on bendable ZnCo ₂ O ₄ -urchins-on-carbon-fibers electrodes. <i>Nano Research</i> , 2013, 6, 525-534.	5.8	109
84	Synthesis of Single-Crystal CdS Microbelts Using a Modified Thermal Evaporation Method and Their Photoluminescence. <i>Journal of Physical Chemistry B</i> , 2005, 109, 9294-9298.	1.2	107
85	Fabrication of flexible reduced graphene oxide/Fe ₂ O ₃ hollow nanospheres based on-chip micro-supercapacitors for integrated photodetecting applications. <i>Nano Research</i> , 2016, 9, 424-434.	5.8	107
86	Microwave-assisted synthesis of metal sulfides in ethylene glycol. <i>Materials Chemistry and Physics</i> , 2003, 82, 206-209.	2.0	106
87	AOT-Microemulsions-Based Formation and Evolution of PbWO ₄ Crystals. <i>Journal of Physical Chemistry B</i> , 2004, 108, 11280-11284.	1.2	106
88	Hierarchical CdS Nanowires Based Rigid and Flexible Photodetectors with Ultrahigh Sensitivity. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23507-23514.	4.0	105
89	ZnS Nanostructures: Synthesis, Properties, and Applications. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2013, 38, 57-90.	6.8	104
90	SnO ₂ @TiO ₂ Heterojunction Nanostructures for Lithium-Ion Batteries and Self-Powered UV Photodetectors with Improved Performances. <i>ChemElectroChem</i> , 2014, 1, 108-115.	1.7	104

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91	Highly-stable polymer-crosslinked 2D MXene-based flexible biocompatible electronic skins for in vivo biomonitoring. <i>Nano Energy</i> , 2021, 84, 105921.	8.2	104
92	A high-accuracy, real-time, intelligent material perception system with a machine-learning-motivated pressure-sensitive electronic skin. <i>Matter</i> , 2022, 5, 1481-1501.	5.0	104
93	Flexible planar concentric circular micro-supercapacitor arrays for wearable gas sensing application. <i>Nano Energy</i> , 2017, 41, 261-268.	8.2	103
94	Recent advances in low-dimensional semiconductor nanomaterials and their applications in high-performance photodetectors. <i>Informa Mater</i> , 2020, 2, 291-317.	8.5	103
95	Vertically aligned ZnO nanowires produced by a catalyst-free thermal evaporation method and their field emission properties. <i>Chemical Physics Letters</i> , 2005, 404, 69-73.	1.2	101
96	Hierarchical Saw-like ZnO Nanobelt/ZnS Nanowire Heterostructures Induced by Polar Surfaces. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15689-15693.	1.2	100
97	Ultralong-life and high-rate web-like Li ₄ Ti ₅ O ₁₂ anode for high-performance flexible lithium-ion batteries. <i>Nano Research</i> , 2014, 7, 1073-1082.	5.8	100
98	A flexible integrated photodetector system driven by on-chip microsupercapacitors. <i>Nano Energy</i> , 2015, 13, 131-139.	8.2	99
99	Ultrathin In ₂ O ₃ Nanowires with Diameters below 4 nm: Synthesis, Reversible Wettability Switching Behavior, and Transparent Thin-Film Transistor Applications. <i>ACS Nano</i> , 2011, 5, 6148-6155.	7.3	98
100	Needle-like Zn-doped SnO ₂ nanorods with enhanced photocatalytic and gas sensing properties. <i>Nanotechnology</i> , 2012, 23, 105502.	1.3	98
101	SnO ₂ /SnS ₂ nanotubes for flexible room-temperature NH ₃ gas sensors. <i>RSC Advances</i> , 2017, 7, 52503-52509.	1.7	98
102	Fabrication of curled conducting polymer microfibrillar arrays via a novel electrospinning method for stretchable strain sensors. <i>Nanoscale</i> , 2013, 5, 7041.	2.8	97
103	Plant-Based Modular Building Blocks for "Green" Electronic Skins. <i>Advanced Functional Materials</i> , 2018, 28, 1804510.	7.8	97
104	Growth of Directly Transferable In ₂ O ₃ Nanowire Mats for Transparent Thin-Film Transistor Applications. <i>Advanced Materials</i> , 2011, 23, 771-775.	11.1	96
105	Zn ₂ GeO ₄ and In ₂ Ge ₂ O ₇ nanowire mats based ultraviolet photodetectors on rigid and flexible substrates. <i>Optics Express</i> , 2012, 20, 2982.	1.7	96
106	CuCo ₂ O ₄ Nanowires Grown on a Ni Wire for High-Performance, Flexible Fiber Supercapacitors. <i>ChemElectroChem</i> , 2015, 2, 1042-1047.	1.7	93
107	Artificial Optoelectronic Synapses Based on TiN _x /In ₂ O ₃ MoS ₂ Heterojunction for Neuromorphic Computing and Visual System. <i>Advanced Functional Materials</i> , 2021, 31, 2101201.	7.8	92
108	Growth of Self-Organized Hierarchical ZnO Nanoarchitectures by a Simple In/In ₂ S ₃ Controlled Thermal Evaporation Process. <i>Journal of Physical Chemistry B</i> , 2005, 109, 10779-10785.	1.2	91

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109	SnO ₂ -microtube-assembled cloth for fully flexible self-powered photodetector nanosystems. <i>Nanoscale</i> , 2013, 5, 7831.	2.8	91
110	Microwave-assisted polyol synthesis of nanoscale SnS _x (x=1, 2) flakes. <i>Journal of Crystal Growth</i> , 2004, 260, 469-474.	0.7	89
111	CdS Multipod-Based Structures through a Thermal Evaporation Process. <i>Crystal Growth and Design</i> , 2005, 5, 1085-1089.	1.4	89
112	Efficient synthesis of hierarchical NiO nanosheets for high-performance flexible all-solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10917-10922.	5.2	89
113	Fabrication of porous SnO ₂ nanowires gas sensors with enhanced sensitivity. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 79-85.	4.0	89
114	High-Performance Single-Crystalline Arsenic-Doped Indium Oxide Nanowires for Transparent Thin-Film Transistors and Active Matrix Organic Light-Emitting Diode Displays. <i>ACS Nano</i> , 2009, 3, 3383-3390.	7.3	88
115	Facile synthesis and electrochemical properties of CoMn ₂ O ₄ anodes for high capacity lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2139-2143.	5.2	88
116	High-Performance All-Polymer Photoresponse Devices Based on Acceptor-Conjugated Polymers. <i>Advanced Functional Materials</i> , 2016, 26, 6306-6315.	7.8	88
117	MoS ₂ -OH Bilayer-Mediated Growth of Inch-Sized Monolayer MoS ₂ on Arbitrary Substrates. <i>Journal of the American Chemical Society</i> , 2019, 141, 5392-5401.	6.6	87
118	High-performance rigid and flexible ultraviolet photodetectors with single-crystalline ZnGa ₂ O ₄ nanowires. <i>Nano Research</i> , 2015, 8, 2162-2169.	5.8	86
119	Enhancing Photoresponsivity of Self-Aligned MoS ₂ Field-Effect Transistors by Piezo-Phototronic Effect from GaN Nanowires. <i>ACS Nano</i> , 2016, 10, 7451-7457.	7.3	86
120	3D Dielectric Layer Enabled Highly Sensitive Capacitive Pressure Sensors for Wearable Electronics. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32023-32030.	4.0	85
121	Single-Crystal Nanotubes of II-VI Semiconductors. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7568-7572.	7.2	82
122	High-Performance Hybrid Phenyl-C61-Butyric Acid Methyl Ester/Cd ₃ P ₂ Nanowire Ultraviolet-Visible-Near Infrared Photodetectors. <i>ACS Nano</i> , 2014, 8, 787-796.	7.3	82
123	Micro-Nano Processing of Active Layers in Flexible Tactile Sensors via Template Methods: A Review. <i>Small</i> , 2021, 17, e2100804.	5.2	82
124	Fabrication of Mesoporous CdTe/ZnO@SiO ₂ Core/Shell Nanostructures with Tunable Dual Emission and Ultrasensitive Fluorescence Response to Metal Ions. <i>Chemistry of Materials</i> , 2009, 21, 68-77.	3.2	81
125	Spray-Painted Binder-Free SnSe Electrodes for High-Performance Energy Storage Devices. <i>ChemSusChem</i> , 2014, 7, 308-313.	3.6	81
126	Nanowire-assembled Co ₃ O ₄ @NiCo ₂ O ₄ architectures for high performance all-solid-state asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24981-24988.	5.2	81

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127	Wearable, Implantable, and Interventional Medical Devices Based on Smart Electronic Skins. <i>Advanced Materials Technologies</i> , 2021, 6, 2100107.	3.0	81
128	Large-scale synthesis of uniform urchin-like patterns of Bi ₂ S ₃ nanorods through a rapid polyol process. <i>Chemical Physics Letters</i> , 2003, 370, 334-337.	1.2	79
129	Single-Crystalline α -Type Zn ₃ As ₂ Nanowires for Field-Effect Transistors and Visible-Light Photodetectors on Rigid and Flexible Substrates. <i>Advanced Functional Materials</i> , 2013, 23, 2681-2690.	7.8	79
130	Rational Synthesis of Branched CoMoO ₄ @CoNiO ₂ Core/Shell Nanowire Arrays for All-Solid-State Supercapacitors with Improved Performance. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24204-24211.	4.0	79
131	Performance enhancement of thin-film amorphous silicon solar cells with low cost nanodent plasmonic substrates. <i>Energy and Environmental Science</i> , 2013, 6, 2965.	15.6	77
132	Anisotropic photoresponse of layered 2D SnS-based near infrared photodetectors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11288-11293.	2.7	77
133	Self-Assembled Hierarchical Single-Crystalline β -SiC Nanoarchitectures. <i>Crystal Growth and Design</i> , 2007, 7, 35-38.	1.4	76
134	Shape- and Size-controlled Growth of ZnS Nanostructures. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8469-8474.	1.5	75
135	ZnO-nanoparticle-assembled cloth for flexible photodetectors and recyclable photocatalysts. <i>Journal of Materials Chemistry</i> , 2012, 22, 9379.	6.7	75
136	Fiber gas sensor-integrated smart face mask for room-temperature distinguishing of target gases. <i>Nano Research</i> , 2018, 11, 511-519.	5.8	75
137	Near-Infrared Light Triggered Self-Powered Mechano-Optical Communication System using Wearable Photodetector Textile. <i>Advanced Functional Materials</i> , 2021, 31, 2104782.	7.8	74
138	High-symmetry ZnS hepta- and tetrapods composed of assembled ZnS nanowire arrays. <i>Applied Physics Letters</i> , 2007, 90, 123101.	1.5	73
139	Fast fabrication of a WO ₃ ·2H ₂ O thin film with improved electrochromic properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 19904.	6.7	73
140	Pursuing two-dimensional nanomaterials for flexible lithium-ion batteries. <i>Nano Today</i> , 2016, 11, 82-97.	6.2	73
141	Hydrothermally Grown ZnO Micro/Nanotube Arrays and Their Properties. <i>Nanoscale Research Letters</i> , 2010, 5, 570-575.	3.1	71
142	Nanostructured perovskites for nonvolatile memory devices. <i>Chemical Society Reviews</i> , 2022, 51, 3341-3379.	18.7	71
143	Single-crystalline In ₂ S ₃ nanowire-based flexible visible-light photodetectors with an ultra-high photoresponse. <i>Nanoscale</i> , 2015, 7, 5046-5052.	2.8	70
144	Morphology-controlled synthesis, growth mechanism and optical properties of ZnO nanonails. <i>Chemical Physics Letters</i> , 2005, 401, 414-419.	1.2	69

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145	Self-assembled three-dimensional structures of single-crystalline ZnS submicrotubes formed by coalescence of ZnS nanowires. Applied Physics Letters, 2006, 88, 123107.	1.5	69
146	Meters-Long Flexible CoNiO ₂ Nanowires@Carbon Fibers Based Wire Supercapacitors for Wearable Electronics. Advanced Materials Technologies, 2016, 1, 1600142.	3.0	69
147	Wearable Sweat Loss Measuring Devices: From the Role of Sweat Loss to Advanced Mechanisms and Designs. Advanced Science, 2022, 9, e2103257.	5.6	69
148	Flexible Broadband Image Sensors with SnS Quantum Dots/Zn ₂ SnO ₄ Nanowires Hybrid Nanostructures. Advanced Functional Materials, 2018, 28, 1705389.	7.8	68
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