Guozhen Shen

List of Publications by Year
in descending order

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		2423	6454
369	31,482	97	157
papers	citations	h-index	g-index

378	378	378	28566
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wearable Sweat Loss Measuring Devices: From the Role of Sweat Loss to Advanced Mechanisms and Designs. Advanced Science, 2022, 9, e2103257.	5.6	69
2	<scp>Highâ€performance</scp> optical noncontact controlling system based on broadband <scp>PtTe_x</scp>/Si heterojunction photodetectors for <scp>humanâ€“machine</scp> interaction. InformaÄnÃ-MateriÃ¡ly, 2022, 4, .	8.5	13
3	MXene quantum dot within natural 3D watermelon peel matrix for biocompatible flexible sensing platform. Nano Research, 2022, 15, 3653-3659.	5.8	51
4	Continuous Fabrication of Ti3C2Tx MXene-Based Braided Coaxial Zinc-Ion Hybrid Supercapacitors with Improved Performance. Nano-Micro Letters, 2022, 14, 34.	14.4	46
5	Nanostructured perovskites for nonvolatile memory devices. Chemical Society Reviews, 2022, 51, 3341-3379.	18.7	71
6	Hierarchical Sb2S3/SnS2/C heterostructure with improved performance for sodium-ion batteries. Science China Materials, 2022, 65, 1443-1452.	3.5	14
7	Ti₃C₂T_x MXeneâ€RAN van der Waals Heterostructureâ€Based Flexible Transparent NIR Photodetector Array for 1024 Pixel Image Sensing Application. Advanced Materials Technologies, 2022, 7, .	3.0	17
8	Allâ€Flexible Artificial Reflex Arc Based on Thresholdâ€Switching Memristor. Advanced Functional Materials, 2022, 32, .	7.8	30
9	A high-accuracy, real-time, intelligent material perception system with a machine-learning-motivated pressure-sensitive electronic skin. Matter, 2022, 5, 1481-1501.	5.0	104
10	Monolayer WS₂ Lateral Homosuperlattices with Two-dimensional Periodic Localized Photoluminescence. ACS Nano, 2022, 16, 597-603.	7.3	7
11	Near-Infrared Polarimetric Image Sensors Based on Ordered Sulfur-Passivation GaSb Nanowire Arrays. ACS Nano, 2022, 16, 8128-8140.	7.3	22
12	Airâ€Stabilized Leadâ€Free Hexagonal Cs₃Bi₂I₉ Nanocrystals for Ultrahighâ€Performance Optical Detection. Advanced Functional Materials, 2022, 32, .	7.8	15
13	Biocompatible liquid metal coated stretchable electrospinning film for strain sensors monitoring system. Science China Materials, 2022, 65, 2235-2243.	3.5	14
14	A waterproof and breathable Cotton/rGO/CNT composite for constructing a layer-by-layer structured multifunctional flexible sensor. Nano Research, 2022, 15, 9341-9351.	5.8	26
15	Perceptionâ€toâ€Cognition Tactile Sensing Based on Artificialâ€Intelligenceâ€Motivated Human Fullâ€Skin Bionic Electronic Skin. Advanced Materials, 2022, 34, .	11.1	143
16	Flexible Artificial Optoelectronic Synapse based on Leadâ€Free Metal Halide Nanocrystals for Neuromorphic Computing and Color Recognition. Advanced Science, 2022, 9, .	5.6	56
17	Intercalation of Small Organic Molecules into Ti₃C₂T_x MXene Cathodes for Flexible Highâ€Volumeâ€Capacitance Znâ€Ion Microsupercapacitor. Advanced Materials Technologies, 2022, 7, .	3.0	11
18	Direct Polarimetric Image Sensor and Wide Spectral Response Based on Quasiâ€1D Sb₂S₃ Nanowire. Advanced Functional Materials, 2021, 31, 2006601.	7.8	52

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19	Controlled Assembly of MXene Nanosheets as an Electrode and Active Layer for Highâ€Performance Electronic Skin. Advanced Functional Materials, 2021, 31, 2010533.	7.8	143
20	Reliable sensors based on graphene textile with negative resistance variation in three dimensions. Nano Research, 2021, 14, 2810-2818.	5.8	9
21	Flexible Sensors Based on Organicâ€“Inorganic Hybrid Materials. Advanced Materials Technologies, 2021, 6, 2000889.	3.0	43
22	Recent Advances in Perovskite Photodetectors for Image Sensing. Small, 2021, 17, e2005606.	5.2	111
23	Modify Cd3As2 nanowires with sulfur to fabricate self-powered NIR photodetectors with enhanced performance. Nano Research, 2021, 14, 3379-3385.	5.8	8
24	Flexible Image Sensors with Semiconducting Nanowires for Biomimic Visual Applications. Small Structures, 2021, 2, 2000152.	6.9	29
25	Flexible Selfâ€Powered Integrated Sensing System with 3D Periodic Ordered Black Phosphorus@MXene Thinâ€Films. Advanced Materials, 2021, 33, e2007890.	11.1	127
26	In-Situ Annealed Ti3C2Tx MXene Based All-Solid-State Flexible Zn-Ion Hybrid Micro Supercapacitor Array with Enhanced Stability. Nano-Micro Letters, 2021, 13, 100.	14.4	56
27	Short-Wave Near-Infrared Polarization Sensitive Photodetector Based on GaSb Nanowire. IEEE Electron Device Letters, 2021, 42, 549-552.	2.2	31
28	Lowâ€Noise Dualâ€Band Polarimetric Image Sensor Based on 1D Bi₂S₃ Nanowire. Advanced Science, 2021, 8, e2100075.	5.6	48
29	An Ultrasensitive Contact Lens Sensor Based On Selfâ€Assembly Graphene For Continuous Intraocular Pressure Monitoring. Advanced Functional Materials, 2021, 31, 2010991.	7.8	31
30	Biocompatible MXene/Chitosan-Based Flexible Bimodal Devices for Real-Time Pulse and Respiratory Rate Monitoring. , 2021, 3, 921-929.		36
31	Artificial Optoelectronic Synapses Based on TiN_xO_{2â€“}_x/MoS₂ Heterojunction for Neuromorphic Computing and Visual System. Advanced Functional Materials, 2021, 31, 2101201.	7.8	92
32	Wearable, Implantable, and Interventional Medical Devices Based on Smart Electronic Skins. Advanced Materials Technologies, 2021, 6, 2100107.	3.0	81
33	Recent advanced applications of ion-gel in ionic-gated transistor. Npj Flexible Electronics, 2021, 5, .	5.1	54
34	Flexible Transparent <scp>Nearâ€Infrared</scp> Photodetector Based on <scp>2D Ti₃C₂ MXeneâ€Te</scp> Van Der Waals Heterostructures^{â€}. Chinese Journal of Chemistry, 2021, 39, 2141-2146.	2.6	18
35	Nearâ€Infrared Light Triggered Selfâ€Powered Mechanoâ€Optical Communication System using Wearable Photodetector Textile. Advanced Functional Materials, 2021, 31, 2104782.	7.8	74
36	Highly-stable polymer-crosslinked 2D MXene-based flexible biocompatible electronic skins for in vivo biomonitoring. Nano Energy, 2021, 84, 105921.	8.2	104

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37	Microâ€Nano Processing of Active Layers in Flexible Tactile Sensors via Template Methods: A Review. Small, 2021, 17, e2100804.	5.2	82
38	Oxidized Ti₃C₂T _x film-based high-performance flexible pressure sensors. Journal Physics D: Applied Physics, 2021, 54, 384002.	1.3	3
39	Recent Advances in Carbon Materialâ€Based Multifunctional Sensors and Their Applications in Electronic Skin Systems. Advanced Functional Materials, 2021, 31, 2104288.	7.8	116
40	Chitosan-Assisted Fabrication of a Network C@V₂O₅ Cathode for High-Performance Zn-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 37194-37200.	4.0	35
41	Ti₃C₂T_x MXene Conductive Layers Supported Bioâ€Derived Fe_x_{â^'1}Se_x/MXene/Carbonaceous Nanoribbons for Highâ€Performance Half/Full Sodiumâ€Ion and Potassiumâ€Ion Batteries. Advanced Materials, 2021, 33, e2101535.	11.1	128
42	An artificial olfactory system with sensing, memory and self-protection capabilities. Nano Energy, 2021, 86, 106078.	8.2	45
43	Low-Dimensional Nanostructure Based Flexible Photodetectors: Device Configuration, Functional Design, Integration, and Applications. Accounts of Materials Research, 2021, 2, 954-965.	5.9	14
44	Three-dimensional perovskite nanowire arrayâ€“based ultrafast resistive RAM with ultralong data retention. Science Advances, 2021, 7, eabg3788.	4.7	29
45	Wearable Sensorsâ€Enabled Humanâ€“Machine Interaction Systems: From Design to Application. Advanced Functional Materials, 2021, 31, 2008936.	7.8	322
46	A perspective on flexible sensors in developing diagnostic devices. Applied Physics Letters, 2021, 119, .	1.5	23
47	Progress and Perspectives in Designing Flexible Microsupercapacitors. Micromachines, 2021, 12, 1305.	1.4	12
48	Recent advances of flexible sensors for biomedical applications. Progress in Natural Science: Materials International, 2021, 31, 872-882.	1.8	42
49	Integrated polarization-sensitive amplification system for digital information transmission. Nature Communications, 2021, 12, 6476.	5.8	53
50	Assessment of Occlusal Force and Local Gas Release Using Degradable Bacterial Cellulose/Ti₃C₂T_x MXene Bioaerogel for Oral Healthcare. ACS Nano, 2021, 15, 18385-18393.	7.3	65
51	Recent Advances in Fiber Supercapacitors: Materials, Device Configurations, and Applications. Advanced Materials, 2020, 32, e1901806.	11.1	225
52	Recent progress and future prospects of sodium-ion capacitors. Science China Materials, 2020, 63, 185-206.	3.5	40
53	Self-catalyzed growth of GaSb nanowires for high performance ultraviolet-visible-near infrared photodetectors. Science China Materials, 2020, 63, 383-391.	3.5	9
54	Reviews of wearable healthcare systems: Materials, devices and system integration. Materials Science and Engineering Reports, 2020, 140, 100523.	14.8	215

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55	Recent advances in lowâ€dimensional semiconductor nanomaterials and their applications in highâ€performance photodetectors. InformaÄnÃ-MateriÃ¡ly, 2020, 2, 291-317.	8.5	103
56	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
57	All-Ti3C2TxMXene Based Flexible On-chip Microsupercapacitor Array. Chemical Research in Chinese Universities, 2020, 36, 694-698.	1.3	16
58	An integrated flexible multifunctional sensing system for simultaneous monitoring of environment signals. Science China Materials, 2020, 63, 2560-2569.	3.5	14
59	Flexible Short-Wave Infrared Image Sensors Enabled by High-Performance Polymeric Photodetectors. Macromolecules, 2020, 53, 10636-10643.	2.2	42
60	A Flexible Concentric Circle Structured Zincâ€Ion Microâ€Battery with Electrodeposited Electrodes. Small Methods, 2020, 4, 2000363.	4.6	42
61	Preface to the Special Issue on Flexible Materials and Structures for Bioengineering, Sensing, and Energy Applications. Journal of Semiconductors, 2020, 41, 040101.	2.0	2
62	2D Nanomaterials with Hierarchical Architecture for Flexible Sensor Application. ACS Symposium Series, 2020, , 93-116.	0.5	5
63	In Situ Dynamic Manipulation of Graphene Strain Sensor with Drastically Sensing Performance Enhancement. Advanced Electronic Materials, 2020, 6, 2000269.	2.6	23
64	An Electrically Modulated Singleâ€Color/Dualâ€Color Imaging Photodetector. Advanced Materials, 2020, 32, e1907257.	11.1	145
65	A Self-Healable Bifunctional Electronic Skin. ACS Applied Materials & Interfaces, 2020, 12, 24339-24347.	4.0	58
66	Growth of aligned SnS nanowire arrays for near infrared photodetectors. Journal of Semiconductors, 2020, 41, 042602.	2.0	9
67	Nanofiber/nanowires-based flexible and stretchable sensors. Journal of Semiconductors, 2020, 41, 041605.	2.0	64
68	3D Dielectric Layer Enabled Highly Sensitive Capacitive Pressure Sensors for Wearable Electronics. ACS Applied Materials & Interfaces, 2020, 12, 32023-32030.	4.0	85
69	Nb2O5 nanotubes on carbon cloth for high performance sodium-ion capacitors. Science China Materials, 2020, 63, 1171-1181.	3.5	13
70	Threshold switching synaptic device with tactile memory function. Nano Energy, 2020, 76, 105109.	8.2	22
71	Bimetal Schottky Heterojunction Boosting Energyâ€Saving Hydrogen Production from Alkaline Water via Urea Electrocatalysis. Advanced Functional Materials, 2020, 30, 2000556.	7.8	216
72	An Integrated Flexible Allâ€Nanowire Infrared Sensing System with Record Photosensitivity. Advanced Materials, 2020, 32, e1908419.	11.1	56

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73	Single layers of MoS2/Graphene nanosheets embedded in activated carbon nanofibers for high-performance supercapacitor. Journal of Alloys and Compounds, 2020, 829, 154557.	2.8	47
74	Recent Advances of Twoâ€Dimensional Nanomaterials for Electrochemical Capacitors. ChemSusChem, 2020, 13, 1093-1113.	3.6	40
75	Symmetryâ€Reduction Enhanced Polarizationâ€Sensitive Photodetection in Coreâ€“Shell SbI₃/Sb₂O₃ van der Waals Heterostructure. Small, 2020, 16, e1907172.	5.2	32
76	Flexible on-chip micro-supercapacitors: Efficient power units for wearable electronics. Energy Storage Materials, 2020, 27, 169-186.	9.5	64
77	Flexible sliding sensor for simultaneous monitoring deformation and displacement on a robotic hand/arm. Nano Energy, 2020, 73, 104764.	8.2	58
78	Wearable supercapacitor self-charged by P(VDF-TrFE) piezoelectric separator. Progress in Natural Science: Materials International, 2020, 30, 174-179.	1.8	47
79	Non-layered ZnSb nanoplates for room temperature infrared polarized photodetectors. Journal of Materials Chemistry C, 2020, 8, 6388-6395.	2.7	24
80	Biocompatible and Biodegradable Functional Polysaccharides for Flexible Humidity Sensors. Research, 2020, 2020, 8716847.	2.8	46
81	Bioâ€Multifunctional Smart Wearable Sensors for Medical Devices. Advanced Intelligent Systems, 2019, 1, 1900040.	3.3	115
82	Flexible Smart Noncontact Control Systems with Ultrasensitive Humidity Sensors. Small, 2019, 15, e1902801.	5.2	110
83	Mixedâ€Valenceâ€Driven Quasiâ€1D Sn^{II}Sn^{IV}S₃ with Highly Polarizationâ€Sensitive UVâ€“visâ€“NIR Photoresponse. Advanced Functional Materials, 2019, 29, 1904416.	7.8	39
84	Water-proof and thermally inert flexible pressure sensors based on zero temperature coefficient of resistance hybrid films. Journal of Materials Chemistry C, 2019, 7, 9648-9654.	2.7	20
85	Bioinspired Interlocked Structure-Induced High Deformability for Two-Dimensional Titanium Carbide (MXene)/Natural Microcapsule-Based Flexible Pressure Sensors. ACS Nano, 2019, 13, 9139-9147.	7.3	308
86	Metalâ€Organicâ€Frameworkâ€Derived MCo₂O₄ (M=Mn and Zn) Nanosheet Arrays on Carbon Cloth as Integrated Anodes for Energy Storage Applications. ChemElectroChem, 2019, 6, 5836-5843.	1.7	26
87	Alâ€Dopingâ€Induced VO₂ (B) Phase in VO₂ (M) Toward Smart Optical Thin Films with Modulated Î”T_{vis} and Î”T_c. Advanced Engineering Materials, 2019, 21, 1900947.	1.6	19
88	Recent progress of self-powered wearable monitoring systems integrated with microsupercapacitors. Materials Today Nano, 2019, 8, 100050.	2.3	33
89	Motion recognition by a liquid filled tubular triboelectric nanogenerator. Nanoscale, 2019, 11, 495-503.	2.8	19
90	Wearable sweat monitoring system with integrated micro-supercapacitors. Nano Energy, 2019, 58, 624-632.	8.2	143

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91	Electrospraying preparation of metal germanate nanospheres for high-performance lithium-ion batteries and room-temperature gas sensors. Nanoscale, 2019, 11, 12116-12123.	2.8	15
92	Stretchable SnO2-CdS interlaced-nanowire film ultraviolet photodetectors. Science China Materials, 2019, 62, 1139-1150.	3.5	22
93	Highly flexible self-powered photodetectors based on coreâ€“shell Sb/CdS nanowires. Journal of Materials Chemistry C, 2019, 7, 4581-4586.	2.7	20
94	MoS₂â€“OH Bilayer-Mediated Growth of Inch-Sized Monolayer MoS₂ on Arbitrary Substrates. Journal of the American Chemical Society, 2019, 141, 5392-5401.	6.6	87
95	Characterization of atomic defects on the photoluminescence in twoâ€dimensional materials using transmission electron microscope. InformaÄnÃ-MateriÃ¡ly, 2019, 1, 85-97.	8.5	46
96	Programmable three-dimensional advanced materials based on nanostructures as building blocks for flexible sensors. Nano Today, 2019, 26, 176-198.	6.2	60
97	Resonant and Selective Excitation of Photocatalytically Active Defect Sites in TiO₂. ACS Applied Materials & Interfaces, 2019, 11, 10351-10355.	4.0	1
98	Skin Adhesives with Controlled Adhesion by Polymer Chain Mobility. ACS Applied Materials & Interfaces, 2019, 11, 1496-1502.	4.0	48
99	Grainâ€Boundaryâ€Induced Drastic Sensing Performance Enhancement of Polycrystallineâ€Microwire Printed Gas Sensors. Advanced Materials, 2019, 31, e1804583.	11.1	110
100	Largeâ€Scale Fabrication of Flexible Onâ€Chip Microâ€Supercapacitors by a Mechanical Scribing Process. ChemElectroChem, 2018, 5, 1652-1657.	1.7	9
101	Printable Zn₂GeO₄ Microwires Based Flexible Photodetectors with Tunable Photoresponses. Advanced Materials Technologies, 2018, 3, 1800050.	3.0	14
102	Self-healable wire-shaped supercapacitors with two twisted NiCo2O4 coated polyvinyl alcohol hydrogel fibers. Science China Materials, 2018, 61, 254-262.	3.5	37
103	Recent Developments in Grapheneâ€Based Tactile Sensors and Eâ€Skins. Advanced Materials Technologies, 2018, 3, 1700248.	3.0	153
104	Tellurophene-Based Random Copolymers for High Responsivity and Detectivity Photodetectors. ACS Applied Materials & Interfaces, 2018, 10, 1917-1924.	4.0	23
105	An Artificial Flexible Visual Memory System Based on an UVâ€Motivated Memristor. Advanced Materials, 2018, 30, 1705400.	11.1	299
106	Flexible and transparent capacitive pressure sensor with patterned microstructured composite rubber dielectric for wearable touch keyboard application. Science China Materials, 2018, 61, 1587-1595.	3.5	122
107	Fiber gas sensor-integrated smart face mask for room-temperature distinguishing of target gases. Nano Research, 2018, 11, 511-519.	5.8	75
108	Fabrication of rigid and flexible SrGe4O9 nanotube-based sensors for room-temperature ammonia detection. Nano Research, 2018, 11, 431-439.	5.8	23

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109	Recent progress and perspectives of metal oxides based on-chip microsupercapacitors. Chinese Chemical Letters, 2018, 29, 553-563.	4.8	12
110	Flexible Broadband Image Sensors with SnS Quantum Dots/Zn₂SnO₄ Nanowires Hybrid Nanostructures. Advanced Functional Materials, 2018, 28, 1705389.	7.8	68
111	Recent Advances in Flexible/Stretchable Supercapacitors for Wearable Electronics. Small, 2018, 14, e1702829.	5.2	208
112	Highly sensitive hybrid nanofiber-based room-temperature CO sensors: Experiments and density functional theory simulations. Nano Research, 2018, 11, 1029-1037.	5.8	44
113	Recent Advances in Smart Wearable Sensing Systems. Advanced Materials Technologies, 2018, 3, 1800444.	3.0	128
114	Plantâ€Based Modular Building Blocks for â€œGreenâ€•Electronic Skins. Advanced Functional Materials, 2018, 28, 1804510.	7.8	97
115	Device Configurations and Future Prospects of Flexible/Stretchable Lithiumâ€Ion Batteries. Advanced Functional Materials, 2018, 28, 1805596.	7.8	132
116	Longitudinal twinning Î±-In2Se3 nanowires for UV-visible-NIR photodetectors with high sensitivity. Frontiers of Optoelectronics, 2018, 11, 245-255.	1.9	10
117	Hollow Polypyrrole Sleeve Based Coaxial Fiber Supercapacitors for Wearable Integrated Photosensing System. Advanced Materials Technologies, 2018, 3, 1800115.	3.0	27
118	MoS2/C/C nanofiber with double-layer carbon coating for high cycling stability and rate capability in lithium-ion batteries. Nano Research, 2018, 11, 5866-5878.	5.8	55
119	Highly Stretchable Microâ€Supercapacitor Arrays with Hybrid MWCNT/PANI Electrodes. Advanced Materials Technologies, 2017, 2, 1600282.	3.0	144
120	Au-nanoparticles-decorated Sb₂S₃ nanowire-based flexible ultraviolet/visible photodetectors. Journal of Materials Chemistry C, 2017, 5, 3330-3335.	2.7	45
121	Ultrasensitive and ultraflexible e-skins with dual functionalities for wearable electronics. Nano Energy, 2017, 38, 28-35.	8.2	194
122	Fabrication of porous SnO2 nanowires gas sensors with enhanced sensitivity. Sensors and Actuators B: Chemical, 2017, 252, 79-85.	4.0	89
123	All rGO-on-PVDF-nanofibers based self-powered electronic skins. Nano Energy, 2017, 35, 121-127.	8.2	132
124	ZnO Quantum Dot Decorated Zn₂SnO₄ Nanowire Heterojunction Photodetectors with Drastic Performance Enhancement and Flexible Ultraviolet Image Sensors. ACS Nano, 2017, 11, 4067-4076.	7.3	190
125	Recent Progress of Selfâ€Powered Sensing Systems for Wearable Electronics. Small, 2017, 13, 1701791.	5.2	223
126	Flexible planar concentric circular micro-supercapacitor arrays for wearable gas sensing application. Nano Energy, 2017, 41, 261-268.	8.2	103

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127	New insights and perspectives into biological materials for flexible electronics. Chemical Society Reviews, 2017, 46, 6764-6815.	18.7	322
128	Heterostructured ZnS/InP nanowires for rigid/flexible ultraviolet photodetectors with enhanced performance. Nanoscale, 2017, 9, 15416-15422.	2.8	16
129	Anisotropic photoresponse of layered 2D SnS-based near infrared photodetectors. Journal of Materials Chemistry C, 2017, 5, 11288-11293.	2.7	77
130	SnO₂/SnS₂ nanotubes for flexible room-temperature NH₃ gas sensors. RSC Advances, 2017, 7, 52503-52509.	1.7	98
131	Nanowire-assembled Co₃O₄@NiCo₂O₄ architectures for high performance all-solid-state asymmetric supercapacitors. Journal of Materials Chemistry A, 2017, 5, 24981-24988.	5.2	81
132	Flexible in-plane microsupercapacitors with electrospun NiFe₂O₄nanofibers for portable sensing applications. Nanoscale, 2016, 8, 14986-14991.	2.8	49
133	Transition from Diffusionâ€Controlled Intercalation into Extrinsically Pseudocapacitive Charge Storage of MoS₂ by Nanoscale Heterostructuring. Advanced Energy Materials, 2016, 6, 1501115.	10.2	185
134	Metersâ€Long Flexible CoNiO₂â€Nanowires@Carbonâ€Fibers Based Wireâ€Supercapacitors for Wearable Electronics. Advanced Materials Technologies, 2016, 1, 1600142.	3.0	69
135	Wafer Scale Phaseâ€Engineered 1Tâ€•and 2Hâ€MoSe₂/Mo Coreâ€“Shell 3Dâ€Hierarchical Nanostructures toward Efficient Electrocatalytic Hydrogen Evolution Reaction. Advanced Materials, 2016, 28, 9831-9838.	11.1	208
136	Photodetectors based on two dimensional materials. Journal of Semiconductors, 2016, 37, 091001.	2.0	29
137	Low-Temperature Chemical Synthesis of Three-Dimensional Hierarchical Ni(OH)₂-Coated Ni Microflowers for High-Performance Enzyme-Free Glucose Sensor. Journal of Physical Chemistry C, 2016, 120, 25752-25759.	1.5	21
138	Flexible Photodetectors Based on 1D Inorganic Nanostructures. Advanced Science, 2016, 3, 1500287.	5.6	131
139	Polymerâ€Enhanced Highly Stretchable Conductive Fiber Strain Sensor Used for Electronic Data Gloves. Advanced Materials Technologies, 2016, 1, 1600136.	3.0	122
140	Enhancing Photoresponsivity of Self-Aligned MoS₂ Field-Effect Transistors by Piezo-Phototronic Effect from GaN Nanowires. ACS Nano, 2016, 10, 7451-7457.	7.3	86
141	Highâ€Performance Allâ€Polymer Photoresponse Devices Based on Acceptorâ€“Acceptor Conjugated Polymers. Advanced Functional Materials, 2016, 26, 6306-6315.	7.8	88
142	Facile construction of novel CoMoO 4 microplates@CoMoO 4 microprisms structures for well-stable supercapacitors. Progress in Natural Science: Materials International, 2016, 26, 243-252.	1.8	21
143	Highly flexible strain sensor based on ZnO nanowires and P(VDF-TrFE) fibers for wearable electronic device. Science China Materials, 2016, 59, 173-181.	3.5	41
144	Pursuing two-dimensional nanomaterials for flexible lithium-ion batteries. Nano Today, 2016, 11, 82-97.	6.2	73

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145	Self-supported Zn₃P₂ nanowire arrays grafted on carbon fabrics as an advanced integrated anode for flexible lithium ion batteries. Nanoscale, 2016, 8, 8666-8672.	2.8	63
146	Ultraviolet/visible photodetectors with ultrafast, high photosensitivity based on 1D ZnS/CdS heterostructures. Nanoscale, 2016, 8, 5219-5225.	2.8	64
147	Flexible and free-standing ternary Cd₂GeO₄nanowire/graphene oxide/CNT nanocomposite film with improved lithium-ion battery performance. Nanotechnology, 2016, 27, 095602.	1.3	12
148	Fabrication of flexible reduced graphene oxide/Fe2O3 hollow nanospheres based on-chip micro-supercapacitors for integrated photodetecting applications. Nano Research, 2016, 9, 424-434.	5.8	107
149	An ultra-sensitive and rapid response speed graphene pressure sensors for electronic skin and health monitoring. Nano Energy, 2016, 23, 7-14.	8.2	467
150	Interlayer Transition and Infrared Photodetection in Atomically Thin Type-II MoTe₂/MoS₂ van der Waals Heterostructures. ACS Nano, 2016, 10, 3852-3858.	7.3	453
151	Low-Temperature and Ultrafast Synthesis of Patternable Few-Layer Transition Metal Dichacogenides with Controllable Stacking Alignment by a Microwave-Assisted Selenization Process. Chemistry of Materials, 2016, 28, 1147-1154.	3.2	22
152	CuCo₂O₄ Nanowires Grown on a Ni Wire for Highâ€Performance, Flexible Fiber Supercapacitors. ChemElectroChem, 2015, 2, 1042-1047.	1.7	93
153	High-performance rigid and flexible ultraviolet photodetectors with single-crystalline ZnGa2O4 nanowires. Nano Research, 2015, 8, 2162-2169.	5.8	86
154	Fabrication and photoelectric properties of La-doped p-type ZnO nanofibers and crossed pâ€“n homojunctions by electrospinning. Nanoscale, 2015, 7, 10513-10518.	2.8	38
155	Single-GaSb-nanowire-based room temperature photodetectors with broad spectral response. Science Bulletin, 2015, 60, 101-108.	4.3	41
156	Single-crystalline In₂S₃nanowire-based flexible visible-light photodetectors with an ultra-high photoresponse. Nanoscale, 2015, 7, 5046-5052.	2.8	70
157	Flexible fiber energy storage and integrated devices: recent progress and perspectives. Materials Today, 2015, 18, 265-272.	8.3	146
158	Self-Induced Uniaxial Strain in MoS₂ Monolayers with Local van der Waals-Stacked Interlayer Interactions. ACS Nano, 2015, 9, 2704-2710.	7.3	47
159	Ternary oxide nanostructured materials for supercapacitors: a review. Journal of Materials Chemistry A, 2015, 3, 10158-10173.	5.2	320
160	High-performance solar-blind ultraviolet photodetector based on electrospun TiO2-ZnTiO3 heterojunction nanowires. Nano Research, 2015, 8, 2822-2832.	5.8	53
161	A flexible integrated photodetector system driven by on-chip microsupercapacitors. Nano Energy, 2015, 13, 131-139.	8.2	99
162	Electrical transport and photoresponse properties of single-crystalline p-type Cd3As2 nanowires. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1-6.	2.0	5

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163	Intercalation pseudo-capacitive TiNb2O7@carbon electrode for high-performance lithium ion hybrid electrochemical supercapacitors with ultrahigh energy density. Nano Energy, 2015, 15, 104-115.	8.2	263
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