Zhou Li

List of Publications by Year in Descending Order

175 papers	9,235 citations	50 h-index	92 g-index
201 ext. papers	11,851 ext. citations	11.6 avg, IF	6.78 L-index

#	Paper	IF	Citations
175	Stretchable graded multichannel self-powered respiratory sensor inspired by shark gill. *Fundamental Research*, **2022**,		5
174	Rehabilitation of Total Knee Arthroplasty by Integrating Conjoint Isometric Myodynamia and Real-Time Rotation Sensing System.. *Advanced Science*, **2022**, e2105219	13.6	4
173	Field enhanced photocatalytic disinfection. *Science Bulletin*, **2022**,	10.6	4
172	A Self-Powered Triboelectric Hybrid Coder for Human-Machine Interaction.. *Small Methods*, **2022**, e2101529	12.8	10
171	Ultra-stretchable and fast self-healing ionic hydrogel in cryogenic environments for artificial nerve fiber.. *Advanced Materials*, **2022**, e2105416	24	18
170	Self-powered photodetector for ultralow power density UV sensing. *Nano Today*, **2022**, 43, 101399	17.9	13
169	Chemical warfare agents decontamination via air mircoplasma excited by a triboelectric nanogenerator. *Nano Energy*, **2022**, 95, 106992	17.1	3
168	Human joint enabled flexible self-sustainable sweat sensors. *Nano Energy*, **2022**, 92, 106786	17.1	12
167	Structure-activity collective properties underlying self-assembled superstructures. *Nano Today*, **2022**, 42, 101354	17.9	2
166	A multi-mode triboelectric nanogenerator for energy harvesting and biomedical monitoring. *Nano Energy*, **2022**, 92, 106715	17.1	21
165	Peptide-based nanomaterials: Self-assembly, properties and applications.. *Bioactive Materials*, **2022**, 11, 268-282	16.7	20
164	A hierarchical bilayer architecture for complex tissue regeneration.. *Bioactive Materials*, **2022**, 10, 93-106	16.7	5
163	A Gyroscope Nanogenerator with Frequency Up-Conversion Effect for Fitness and Energy Harvesting.. *Small*, **2022**, e2108091	11	5
162	Self-Powered Electrical Impulse Chemotherapy for Oral Squamous Cell Carcinoma.. *Materials*, **2022**, 15,	3.5	2
161	Self-powered gesture recognition wristband enabled by machine learning for full keyboard and multi-command input.. *Advanced Materials*, **2022**, e2200793	24	16
160	Pyro-phototronic effect enhanced self-powered photodetector. *International Journal of Optomechatronics*, **2022**, 16, 1-17	3.5	3
159	Hybrid nanogenerator based closed-loop self-powered low-level vagus nerve stimulation system for atrial fibrillation treatment. *Science Bulletin*, **2022**,	10.6	6

158	Towards a Sustainable Monitoring: A Self-Powered Smart Transportation Infrastructure Skin. *Nano Energy*, **2022**, 107245	17.1	8
157	Ultra-Stretchable and Fast Self-Healing Ionic Hydrogel in Cryogenic Environments for Artificial Nerve Fiber (Adv. Mater. 16/2022). *Advanced Materials*, **2022**, 34, 2270122	24	0
156	Self-Powered Force Sensors for Multidimensional Tactile Sensing.. *ACS Applied Materials & Interfaces*, **2022**,	9.5	6
155	Fingerprint-shaped triboelectric tactile sensor. *Nano Energy*, **2022**, 98, 107324	17.1	11
154	Shape Designed Implanted Drug Delivery System for Hepatocellular Carcinoma Therapy.. *ACS Nano*, **2022**,	16.7	2
153	PEIGel: A biocompatible and injectable scaffold with innate immune adjuvanticity for synergized local immunotherapy. *Materials Today Bio*, **2022**, 15, 100297	9.9	1
152	Localized Myocardial Anti-Inflammatory Effects of Temperature-Sensitive Budesonide Nanoparticles during Radiofrequency Catheter Ablation. *Research*, **2022**, 2022, 1-11	7.8	0
151	Noninvasive manipulation of cell adhesion for cell harvesting with piezoelectric composite film. *Applied Materials Today*, **2021**, 25, 101218	6.6	4
150	A Stretchable, Self-Healable Triboelectric Nanogenerator as Electronic Skin for Energy Harvesting and Tactile Sensing. *Materials*, **2021**, 14,	3.5	14
149	Flexible Supercapacitors Based on Graphene/Boron Nitride Nanosheets Electrodes and PVA/PEI Gel Electrolytes. *Materials*, **2021**, 14,	3.5	7
148	Dynamic real-time imaging of living cell traction force by piezo-phototronic light nano-antenna array. *Science Advances*, **2021**, 7,	14.3	18
147	Assistive devices for the people with disabilities enabled by triboelectric nanogenerators. *JPhys Materials*, **2021**, 4, 034015	4.2	6
146	Accelerated Skin Wound Healing by Electrical Stimulation. *Advanced Healthcare Materials*, **2021**, 10, e2100557	10.5	32
145	Recent progress in human body energy harvesting for smart bioelectronic system. *Fundamental Research*, **2021**, 1, 364-385		39
144	An Ultra-Simple Charge Supplementary Strategy for High Performance Rotary Triboelectric Nanogenerators. *Small*, **2021**, 17, e2101430	11	6
143	Self-Powered Controllable Transdermal Drug Delivery System. *Advanced Functional Materials*, **2021**, 31, 2104092	15.6	10
142	Stretchable, Self-Healing, and Skin-Mounted Active Sensor for Multipoint Muscle Function Assessment. *ACS Nano*, **2021**, 15, 10130-10140	16.7	22
141	Self-Healing Functional Electronic Devices. *Small*, **2021**, 17, e2101383	11	13

140	Refreshable Braille Display System Based on Triboelectric Nanogenerator and Dielectric Elastomer. *Advanced Functional Materials*, **2021**, 31, 2006612	15.6	44
139	Self-powered cardiovascular electronic devices and systems. *Nature Reviews Cardiology*, **2021**, 18, 7-21	14.8	102
138	Recent advances of biomass carbon dots on syntheses, characterization, luminescence mechanism, and sensing applications. *Nano Select*, **2021**, 2, 1117-1145	3.1	11
137	Recent Progress of Nanogenerators Acting as Self-Powered Drug Delivery Devices. *Advanced Sustainable Systems*, **2021**, 5, 2000268	5.9	3
136	Progress and biomedical applications of MXenes. *Nano Select*, **2021**, 2, 1480-1508	3.1	21
135	Self-powered pulsed direct current stimulation system for enhancing osteogenesis in MC3T3-E1. *Nano Energy*, **2021**, 85, 106009	17.1	16
134	Combining triboelectric nanogenerator with piezoelectric effect for optimizing Schottky barrier height modulation. *Science Bulletin*, **2021**, 66, 1409-1418	10.6	3
133	A Bioresorbable Dynamic Pressure Sensor for Cardiovascular Postoperative Care. *Advanced Materials*, **2021**, 33, e2102302	24	22
132	Ultrathin Stretchable Triboelectric Nanogenerators Improved by Postcharging Electrode Material. *ACS Applied Materials & Interfaces*, **2021**, 13, 42966-42976	9.5	15
131	Self-powered technology for next-generation biosensor. *Science Bulletin*, **2021**, 66, 1709-1712	10.6	15
130	Recent progress in blue energy harvesting for powering distributed sensors in ocean. *Nano Energy*, **2021**, 88, 106199	17.1	33
129	Nanogenerator-based devices for biomedical applications. *Nano Energy*, **2021**, 89, 106461	17.1	14
128	Recent progress of self-powered respiration monitoring systems. *Biosensors and Bioelectronics*, **2021**, 194, 113609	11.8	11
127	Tunable Schottky barrier height of a Pt-CuO junction a triboelectric nanogenerator. *Nanoscale*, **2021**, 13, 17101-17105	7.7	3
126	A multiple laser-induced hybrid electrode for flexible triboelectric nanogenerators. *Sustainable Energy and Fuels*, **2021**, 5, 3737-3743	5.8	5
125	Triboelectric nanogenerator based on degradable materials. *EcoMat*, **2021**, 3, e12072	9.4	26
124	Self-powered wearable electronics. *Wearable Technologies*, **2020**, 1,	4	16
123	Schottky-Contacted Nanowire Sensors. *Advanced Materials*, **2020**, 32, e2000130	24	56

122	Triboelectric-polarization-enhanced high sensitive ZnO UV sensor. *Nano Today*, **2020**, 33, 100873	17.9	20
121	A flexible self-arched biosensor based on combination of piezoelectric and triboelectric effects. *Applied Materials Today*, **2020**, 20, 100699	6.6	27
120	Emerging Implantable Energy Harvesters and Self-Powered Implantable Medical Electronics. *ACS Nano*, **2020**, 14, 6436-6448	16.7	130
119	Triboelectric Nanogenerator Enhanced Schottky Nanowire Sensor for Highly Sensitive Ethanol Detection. *Nano Letters*, **2020**, 20, 4968-4974	11.5	38
118	Human Motion Driven Self-Powered Photodynamic System for Long-Term Autonomous Cancer Therapy. *ACS Nano*, **2020**, 14, 8074-8083	16.7	37
117	A wearable noncontact free-rotating hybrid nanogenerator for self-powered electronics. *InformaMaterly*, **2020**, 2, 1191-1200	23.1	43
116	A 25-year bibliometric study of implantable energy harvesters and self-powered implantable medical electronics researches. *Materials Today Energy*, **2020**, 16, 100386	7	44
115	A Hybrid Biofuel and Triboelectric Nanogenerator for Bioenergy Harvesting. *Nano-Micro Letters*, **2020**, 12, 50	19.5	24
114	Stretchable Sensors: Customization of Conductive Elastomer Based on PVA/PEI for Stretchable Sensors (Small 7/2020). *Small*, **2020**, 16, 2070037	11	3
113	Flexible and stretchable dual mode nanogenerator for rehabilitation monitoring and information interaction. *Journal of Materials Chemistry B*, **2020**, 8, 3647-3654	7.3	24
112	Research progress of self-powered flexible biomedical sensors. *Wuli Xuebao/Acta Physica Sinica*, **2020**, 69, 178704	0.6	3
111	Self-Assembly of Constrained Cyclic Peptides Controlled by Ring Size. *CCS Chemistry*, **2020**, 2, 42-51	7.2	11
110	Nanogenerator-Based Self-Powered Sensors for Wearable and Implantable Electronics. *Research*, **2020**, 2020, 8710686	7.8	95
109	Electrical Stimulation for Nervous System Injury: Research Progress and Prospects. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2020**, 2005038-0	3.8	5
108	An effective self-powered strategy to endow titanium implant surface with associated activity of anti-biofilm and osteogenesis. *Nano Energy*, **2020**, 77, 105201	17.1	21
107	Customization of Conductive Elastomer Based on PVA/PEI for Stretchable Sensors. *Small*, **2020**, 16, e1904758	11	64
106	Nestable arched triboelectric nanogenerator for large deflection biomechanical sensing and energy harvesting. *Nano Energy*, **2020**, 69, 104417	17.1	32
105	The recent advances in self-powered medical information sensors. *InformaMaterly*, **2020**, 2, 212-234	23.1	55

104	Reversible Conversion between Schottky and Ohmic Contacts for Highly Sensitive, Multifunctional Biosensors. *Advanced Functional Materials*, **2020**, 30, 1907999	15.6	39
103	Recent development of implantable and flexible nerve electrodes. *Smart Materials in Medicine*, **2020**, 1, 131-147	12.9	24
102	High-Throughput and Self-Powered Electroporation System for Drug Delivery Assisted by Microfoam Electrode. *ACS Nano*, **2020**, 14, 15458-15467	16.7	16
101	A Stretchable Highoutput Triboelectric Nanogenerator Improved by MXene Liquid Electrode with High Electronegativity. *Advanced Functional Materials*, **2020**, 30, 2004181	15.6	72
100	Electrospun Scaffolds Containing Silver-Doped Hydroxyapatite with Antimicrobial Properties for Applications in Orthopedic and Dental Bone Surgery. *Journal of Functional Biomaterials*, **2020**, 11,	4.8	11
99	Fabrication of Concentric Carbon Nanotube Rings and Their Application on Regulating Cell Growth. *ACS Omega*, **2019**, 4, 16209-16216	3.9	5
98	Enhanced thermal stability of ZrAlSiN cermet-based solar selective absorbing coatings via adding silicon element. *Materials Today Physics*, **2019**, 9, 100131	8	10
97	Highly Efficient In Vivo Cancer Therapy by an Implantable Magnet Triboelectric Nanogenerator. *Advanced Functional Materials*, **2019**, 29, 1808640	15.6	49
96	Fully Bioabsorbable Capacitor as an Energy Storage Unit for Implantable Medical Electronics. *Advanced Science*, **2019**, 6, 1801625	13.6	75
95	Porous Ti-10Mo alloy fabricated by powder metallurgy for promoting bone regeneration. *Science China Materials*, **2019**, 62, 1053-1064	7.1	21
94	Elastic Cu@PPy sponge for hybrid device with energy conversion and storage. *Nano Energy*, **2019**, 58, 852-861	17.1	27
93	Self-Powered Intracellular Drug Delivery by a Biomechanical Energy-Driven Triboelectric Nanogenerator. *Advanced Materials*, **2019**, 31, e1807795	24	94
92	A bionic stretchable nanogenerator for underwater sensing and energy harvesting. *Nature Communications*, **2019**, 10, 2695	17.4	254
91	Direct muscle stimulation using diode-amplified triboelectric nanogenerators (TENGs). *Nano Energy* , **2019**, 63, 103844	17.1	50
90	Fabrication and performance test of biodegradable supercapacitor. *MRS Advances*, **2019**, 4, 2063-2070	0.7	2
89	Body-Integrated Self-Powered System for Wearable and Implantable Applications. *ACS Nano*, **2019**, 13, 6017-6024	16.7	95
88	Symbiotic cardiac pacemaker. *Nature Communications*, **2019**, 10, 1821	17.4	267
87	Self-Powered Distributed Water Level Sensors Based on Liquid–Solid Triboelectric Nanogenerators for Ship Draft Detecting. *Advanced Functional Materials*, **2019**, 29, 1900327	15.6	71

86	Bioabsorbable Capacitors: Fully Bioabsorbable Capacitor as an Energy Storage Unit for Implantable Medical Electronics (Adv. Sci. 6/2019). *Advanced Science*, **2019**, 6, 1970035	13.6	1
85	Self-powered implantable electrical stimulator for osteoblasts□proliferation and differentiation. *Nano Energy*, **2019**, 59, 705-714	17.1	70
84	Piezoelectric Nanotopography Induced Neuron-Like Differentiation of Stem Cells. *Advanced Functional Materials*, **2019**, 29, 1900372	15.6	36
83	A Battery-Like Self-Charge Universal Module for Motional Energy Harvest. *Advanced Energy Materials*, **2019**, 9, 1901875	21.8	48
82	Novel porous Ti35Zr28Nb scaffolds fabricated by powder metallurgy with excellent osteointegration ability for bone-tissue engineering applications. *Materials Science and Engineering C*, **2019**, 105, 110015	8.3	24
81	Recent progress of nanogenerators acting as biomedical sensors in vivo. *Science Bulletin*, **2019**, 64, 1336-1347	10.6	63
80	A wearable system based on core-shell structured peptide-Co9S8 supercapacitor and triboelectric nanogenerator. *Nano Energy*, **2019**, 66, 104149	17.1	36
79	High-Throughput Identification and Screening of Single Microbial Cells by Nanobowl Array. *ACS Applied Materials & Interfaces*, **2019**, 11, 44933-44940	9.5	1
78	Release of Ag/ZnO Nanomaterials and Associated Risks of a Novel Water Sterilization Technology. *Water (Switzerland)*, **2019**, 11, 2276	3	1
77	Cancer Therapy: Highly Efficient In Vivo Cancer Therapy by an Implantable Magnet Triboelectric Nanogenerator (Adv. Funct. Mater. 41/2019). *Advanced Functional Materials*, **2019**, 29, 1970285	15.6	12
76	Honeycomb Structure Inspired Triboelectric Nanogenerator for Highly Effective Vibration Energy Harvesting and Self-Powered Engine Condition Monitoring. *Advanced Energy Materials*, **2019**, 9, 1902460	21.8	66
75	Wearable and Implantable Triboelectric Nanogenerators. *Advanced Functional Materials*, **2019**, 29, 1808820	15.6	166
74	The first technology can compete with piezoelectricity to harvest ultrasound energy for powering medical implants. *Science Bulletin*, **2019**, 64, 1565-1566	10.6	10
73	A highly-sensitive wave sensor based on liquid-solid interfacing triboelectric nanogenerator for smart marine equipment. *Nano Energy*, **2019**, 57, 574-580	17.1	87
72	Transcatheter Self-Powered Ultrasensitive Endocardial Pressure Sensor. *Advanced Functional Materials*, **2019**, 29, 1807560	15.6	116
71	High Power Density Tower-like Triboelectric Nanogenerator for Harvesting Arbitrary Directional Water Wave Energy. *ACS Nano*, **2019**, 13, 1932-1939	16.7	91
70	Endocardial Pressure Sensors: Transcatheter Self-Powered Ultrasensitive Endocardial Pressure Sensor (Adv. Funct. Mater. 3/2019). *Advanced Functional Materials*, **2019**, 29, 1970017	15.6	3
69	Triboelectric nanogenerator enhanced multilayered antibacterial nanofiber air filters for efficient removal of ultrafine particulate matter. *Nano Research*, **2018**, 11, 4090-4101	10	43

68	Nanogenerator for Biomedical Applications. *Advanced Healthcare Materials*, **2018**, 7, e1701298	10.1	102
67	Microstructure and thermal stability of Cu/Zr0.3Al0.7N/Zr0.2Al0.8N/Al34O60N6 cermet-based solar selective absorbing coatings. *Applied Surface Science*, **2018**, 440, 932-938	6.7	31
66	Large-Scale Fabrication of Ordered Monolayer Self-assembly of Polystyrene Submicron Spheres. *Lecture Notes in Electrical Engineering*, **2018**, 827-832	0.2	2
65	Alkali Metal Chlorides Based Hydrogel as Eco-Friendly Neutral Electrolyte for Bendable Solid-State Capacitor. *Advanced Materials Interfaces*, **2018**, 5, 1701648	4.6	18
64	Implantable Energy-Harvesting Devices. *Advanced Materials*, **2018**, 30, e1801511	24	140
63	Tuning peptide self-assembly by an in-tether chiral center. *Science Advances*, **2018**, 4, eaar5907	14.3	28
62	Black Phosphorus Nanosheets Passivation Using a Tripeptide. *Small*, **2018**, 14, e1801701	11	30
61	Piezoelectric nanofibrous scaffolds as in vivo energy harvesters for modifying fibroblast alignment and proliferation in wound healing. *Nano Energy*, **2018**, 43, 63-71	17.1	105
60	Photothermally tunable biodegradation of implantable triboelectric nanogenerators for tissue repairing. *Nano Energy*, **2018**, 54, 390-399	17.1	81
59	Wearable Wire-Shaped Symmetric Supercapacitors Based on Activated Carbon-Coated Graphite Fibers. *ACS Applied Materials & Interfaces*, **2018**, 10, 34302-34310	9.5	36
58	An antibacterial platform based on capacitive carbon-doped TiO nanotubes after direct or alternating current charging. *Nature Communications*, **2018**, 9, 2055	17.4	99
57	Assessment of extracellular matrix modulation of cell traction force by using silicon nanowire array. *Nano Energy*, **2018**, 50, 504-512	17.1	7
56	Fully Bioabsorbable Natural-Materials-Based Triboelectric Nanogenerators. *Advanced Materials*, **2018**, 30, e1801895	24	205
55	Long-term antibacterial characteristics and cytocompatibility of titania nanotubes loaded with Au nanoparticles without photocatalytic effects. *Applied Surface Science*, **2017**, 414, 230-237	6.7	19
54	A self-powered sterilization system with both instant and sustainable anti-bacterial ability. *Nano Energy*, **2017**, 36, 241-249	17.1	70
53	Energy Harvesting from the Animal/Human Body for Self-Powered Electronics. *Annual Review of Biomedical Engineering*, **2017**, 19, 85-108	12	227
52	The modulation effect of the convexity of silicon topological nanostructures on the growth of mesenchymal stem cells. *RSC Advances*, **2017**, 7, 16977-16983	3.7	3
51	Flexible piezoelectric nanogenerator in wearable self-powered active sensor for respiration and healthcare monitoring. *Semiconductor Science and Technology*, **2017**, 32, 064004	1.8	78

50	Recent Progress on Piezoelectric and Triboelectric Energy Harvesters in Biomedical Systems. *Advanced Science*, **2017**, 4, 1700029	13.6	298
49	Antibacterial Composite Film-Based Triboelectric Nanogenerator for Harvesting Walking Energy. *ACS Applied Materials & Interfaces*, **2017**, 9, 11882-11888	9.5	81
48	Thermo-Driven Evaporation Self-Assembly and Dynamic Analysis of Homocentric Carbon Nanotube Rings. *Small*, **2017**, 13, 1603642	11	10
47	Fabrication of a spontaneously bent ZnO nanowire with asymmetrical dots by UV irradiation. *RSC Advances*, **2017**, 7, 38014-38018	3.7	2
46	Self-Powered Pulse Sensor for Antidiastole of Cardiovascular Disease. *Advanced Materials*, **2017**, 29, 1703456	24	235
45	Influence of the aluminum content on structure and optical properties of Zr 1-x Al x N films. *Vacuum*, **2017**, 145, 268-271	3.7	3
44	A size-unlimited surface microstructure modification method for achieving high performance triboelectric nanogenerator. *Nano Energy*, **2016**, 28, 172-178	17.1	93
43	Self-Powered, One-Stop, and Multifunctional Implantable Triboelectric Active Sensor for Real-Time Biomedical Monitoring. *Nano Letters*, **2016**, 16, 6042-6051	11.5	210
42	Biocide-Free Antifouling on Insulating Surface by Wave-Driven Triboelectrification-Induced Potential Oscillation. *Advanced Materials Interfaces*, **2016**, 3, 1600187	4.6	32
41	A Packaged Self-Powered System with Universal Connectors Based on Hybridized Nanogenerators. *Advanced Materials*, **2016**, 28, 846-52	24	80
40	In Vivo Self-Powered Wireless Cardiac Monitoring via Implantable Triboelectric Nanogenerator. *ACS Nano*, **2016**, 10, 6510-8	16.7	248
39	Construction of a 3D rGO-collagen hybrid scaffold for enhancement of the neural differentiation of mesenchymal stem cells. *Nanoscale*, **2016**, 8, 1897-904	7.7	101
38	Bio-inspired multifunctional metallic glass. *Science China Chemistry*, **2016**, 59, 271-276	7.9	7
37	Rutile Nanorod/Anatase Nanowire Junction Array as Both Sensor and Power Supplier for High-Performance, Self-Powered, Wireless UV Photodetector. *Small*, **2016**, 12, 2759-67	11	47
36	Biodegradable triboelectric nanogenerator as a life-time designed implantable power source. *Science Advances*, **2016**, 2, e1501478	14.3	307
35	Hierarchical nested-network porous copper fabricated by one-step dealloying for glucose sensing. *Journal of Alloys and Compounds*, **2016**, 681, 109-114	5.7	22
34	Robust Multilayered Encapsulation for High-Performance Triboelectric Nanogenerator in Harsh Environment. *ACS Applied Materials & Interfaces*, **2016**, 8, 26697-26703	9.5	59
33	Bioinspired highly electrically conductive graphene□poxy layered composites. *RSC Advances*, **2015**, 5, 22283-22288	3.7	26

32	Implantable Self-Powered Low-Level Laser Cure System for Mouse Embryonic Osteoblasts' Proliferation and Differentiation. *ACS Nano*, **2015**, 9, 7867-73	16.7	110
31	High-resolution dynamic pressure sensor array based on piezo-phototronic effect tuned photoluminescence imaging. *ACS Nano*, **2015**, 9, 3143-50	16.7	94
30	Piezoelectric-Enhanced Oriented Cobalt Coordinated Peptide Monolayer with Rectification Behavior. *Small*, **2015**, 11, 4864-9	11	6
29	Triboelectrification induced UV emission from plasmon discharge. *Nano Research*, **2015**, 8, 219-226	10	30
28	In vivo powering of pacemaker by breathing-driven implanted triboelectric nanogenerator. *Advanced Materials*, **2014**, 26, 5851-6	24	352
27	Ag nanoparticle-ZnO nanowire hybrid nanostructures as enhanced and robust antimicrobial textiles via a green chemical approach. *Nanotechnology*, **2014**, 25, 145702	3.4	23
26	Bioinspired Multifunctional Foam with Self-Cleaning and Oil/Water Separation. *Advanced Functional Materials*, **2013**, 23, 2881-2886	15.6	440
25	Effect of Gold/Fe3O4Nanoparticles on Biocompatibility and Neural Differentiation of Rat Olfactory Bulb Neural Stem Cells. *Journal of Nanomaterials*, **2013**, 2013, 1-7	3.2	1
24	Titanium Dioxide Nanoparticles Induced Proinflammation of Primary Cultured Cardiac Myocytes of Rat. *Journal of Nanomaterials*, **2013**, 2013, 1-9	3.2	5
23	In vivo delivery of Atoh1 gene to rat cochlea using a dendrimer-based nanocarrier. *Journal of Biomedical Nanotechnology*, **2013**, 9, 1736-45	4	20
22	Bio-inspired special wetting surfaces via self-assembly. *Science China Chemistry*, **2012**, 55, 2327-2333	7.9	31
21	Biocompatible Single-Crystal Selenium Nanobelt Based Nanodevice as a Temperature-Tunable Photosensor. *Journal of Nanomaterials*, **2012**, 2012, 1-6	3.2	2
20	Novel preparation of functionalized graphene oxide for large scale, low cost, and self-cleaning coatings of electronic devices **2011**,		5
19	Facile creation of bio-inspired superhydrophobic Ce-based metallic glass surfaces. *Applied Physics Letters*, **2011**, 99, 261905	3.4	42
18	Muscle-driven in vivo nanogenerator. *Advanced Materials*, **2010**, 22, 2534-7	24	311
17	Supersensitive, fast-response nanowire sensors by using Schottky contacts. *Advanced Materials*, **2010**, 22, 3327-32	24	276
16	Schottky-Gated Probe-Free ZnO Nanowire Biosensor. *Advanced Materials*, **2009**, 21, 4975-4978	24	204
15	Single-Crystal Mesoporous ZnO Thin Films Composed of Nanowalls. *Journal of Physical Chemistry C*, **2009**, 113, 1791-1794	3.8	58

14	Quantifying the traction force of a single cell by aligned silicon nanowire array. *Nano Letters*, **2009**, 9, 3575-80	11.5	105
13	Cellular Level Biocompatibility and Biosafety of ZnO Nanowires. *Journal of Physical Chemistry C*, **2008**, 112, 20114-20117	3.8	255
12	Enhancing the Photon- and Gas-Sensing Properties of a Single SnO 2 Nanowire Based Nanodevice by Nanoparticle Surface Functionalization. *Journal of Physical Chemistry C*, **2008**, 112, 11539-11544	3.8	121
11	Rapid photoresponse of single-crystalline selenium nanobelts. *Solid State Communications*, **2008**, 148, 145-147	1.6	11
10	Emerging polymeric electrospun fibers: From structural diversity to application in flexible bioelectronics and tissue engineering. *Exploration*,20210029		12
9	Enhanced Performance of a Self-Powered ZnO Photodetector by Coupling LSPR-Inspired Pyro-Phototronic Effect and Piezo-Phototronic Effect. *Advanced Optical Materials*,2102468	8.1	10
8	Plasmon-Induced Pyro-Phototronic Effect Enhancement in Self-Powered UV–Vis Detection with a ZnO/CuO p–n Junction Device. *Advanced Functional Materials*,2108903	15.6	11
7	Self-Powerbility in Electrical Stimulation Drug Delivery System. *Advanced Materials Technologies*,2100056	6.8	7
6	Performance-enhanced and cost-effective triboelectric nanogenerator based on stretchable electrode for wearable SpO2 monitoring. *Nano Research*,1	10	4
5	Engineering Bacteria-Activated Multifunctionalized Hydrogel for Promoting Diabetic Wound Healing. *Advanced Functional Materials*,2105749	15.6	18
4	Recent progress on Schottky sensors based on two-dimensional transition metal dichalcogenides. *Journal of Materials Chemistry A*,	13	5
3	Bioinspired sensor system for health care and human-machine interaction. *EcoMat*,	9.4	8
2	Hybrid Nanogenerator for Biomechanical Energy Harvesting, Motion State Detection, and Pulse Sensing. *Advanced Materials Technologies*,2101332	6.8	2
1	Self-Assembly of Constrained Cyclic Peptides Controlled by Ring Size. *CCS Chemistry*,42-51	7.2	