

# Zhou Li

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Bioinspired Multifunctional Foam with Self-Cleaning and Oil/Water Separation. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 2881-2886	15.6	440
174	In vivo powering of pacemaker by breathing-driven implanted triboelectric nanogenerator. <i>Advanced Materials</i> , <b>2014</b> , 26, 5851-6	24	352
173	Muscle-driven in vivo nanogenerator. <i>Advanced Materials</i> , <b>2010</b> , 22, 2534-7	24	311
172	Biodegradable triboelectric nanogenerator as a life-time designed implantable power source. <i>Science Advances</i> , <b>2016</b> , 2, e1501478	14.3	307
171	Recent Progress on Piezoelectric and Triboelectric Energy Harvesters in Biomedical Systems. <i>Advanced Science</i> , <b>2017</b> , 4, 1700029	13.6	298
170	Supersensitive, fast-response nanowire sensors by using Schottky contacts. <i>Advanced Materials</i> , <b>2010</b> , 22, 3327-32	24	276
169	Symbiotic cardiac pacemaker. <i>Nature Communications</i> , <b>2019</b> , 10, 1821	17.4	267
168	Cellular Level Biocompatibility and Biosafety of ZnO Nanowires. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 20114-20117	3.8	255
167	A bionic stretchable nanogenerator for underwater sensing and energy harvesting. <i>Nature Communications</i> , <b>2019</b> , 10, 2695	17.4	254
166	In Vivo Self-Powered Wireless Cardiac Monitoring via Implantable Triboelectric Nanogenerator. <i>ACS Nano</i> , <b>2016</b> , 10, 6510-8	16.7	248
165	Self-Powered Pulse Sensor for Antidiastole of Cardiovascular Disease. <i>Advanced Materials</i> , <b>2017</b> , 29, 1703456	24	235
164	Energy Harvesting from the Animal/Human Body for Self-Powered Electronics. <i>Annual Review of Biomedical Engineering</i> , <b>2017</b> , 19, 85-108	12	227
163	Self-Powered, One-Stop, and Multifunctional Implantable Triboelectric Active Sensor for Real-Time Biomedical Monitoring. <i>Nano Letters</i> , <b>2016</b> , 16, 6042-6051	11.5	210
162	Fully Bioabsorbable Natural-Materials-Based Triboelectric Nanogenerators. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801895	24	205
161	Schottky-Gated Probe-Free ZnO Nanowire Biosensor. <i>Advanced Materials</i> , <b>2009</b> , 21, 4975-4978	24	204
160	Wearable and Implantable Triboelectric Nanogenerators. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1808820	15.6	166
159	Implantable Energy-Harvesting Devices. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801511	24	140

158	Emerging Implantable Energy Harvesters and Self-Powered Implantable Medical Electronics. <i>ACS Nano</i> , <b>2020</b> , 14, 6436-6448	16.7	130
157	Enhancing the Photon- and Gas-Sensing Properties of a Single SnO <sub>2</sub> Nanowire Based Nanodevice by Nanoparticle Surface Functionalization. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 11539-11544	3.8	121
156	Transcatheter Self-Powered Ultrasensitive Endocardial Pressure Sensor. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1807560	15.6	116
155	Implantable Self-Powered Low-Level Laser Cure System for Mouse Embryonic Osteoblasts' Proliferation and Differentiation. <i>ACS Nano</i> , <b>2015</b> , 9, 7867-73	16.7	110
154	Quantifying the traction force of a single cell by aligned silicon nanowire array. <i>Nano Letters</i> , <b>2009</b> , 9, 3575-80	11.5	105
153	Piezoelectric nanofibrous scaffolds as in vivo energy harvesters for modifying fibroblast alignment and proliferation in wound healing. <i>Nano Energy</i> , <b>2018</b> , 43, 63-71	17.1	105
152	Nanogenerator for Biomedical Applications. <i>Advanced Healthcare Materials</i> , <b>2018</b> , 7, e1701298	10.1	102
151	Self-powered cardiovascular electronic devices and systems. <i>Nature Reviews Cardiology</i> , <b>2021</b> , 18, 7-21	14.8	102
150	Construction of a 3D rGO-collagen hybrid scaffold for enhancement of the neural differentiation of mesenchymal stem cells. <i>Nanoscale</i> , <b>2016</b> , 8, 1897-904	7.7	101
149	An antibacterial platform based on capacitive carbon-doped TiO nanotubes after direct or alternating current charging. <i>Nature Communications</i> , <b>2018</b> , 9, 2055	17.4	99
148	Body-Integrated Self-Powered System for Wearable and Implantable Applications. <i>ACS Nano</i> , <b>2019</b> , 13, 6017-6024	16.7	95
147	Nanogenerator-Based Self-Powered Sensors for Wearable and Implantable Electronics. <i>Research</i> , <b>2020</b> , 2020, 8710686	7.8	95
146	Self-Powered Intracellular Drug Delivery by a Biomechanical Energy-Driven Triboelectric Nanogenerator. <i>Advanced Materials</i> , <b>2019</b> , 31, e1807795	24	94
145	High-resolution dynamic pressure sensor array based on piezo-phototronic effect tuned photoluminescence imaging. <i>ACS Nano</i> , <b>2015</b> , 9, 3143-50	16.7	94
144	A size-unlimited surface microstructure modification method for achieving high performance triboelectric nanogenerator. <i>Nano Energy</i> , <b>2016</b> , 28, 172-178	17.1	93
143	High Power Density Tower-like Triboelectric Nanogenerator for Harvesting Arbitrary Directional Water Wave Energy. <i>ACS Nano</i> , <b>2019</b> , 13, 1932-1939	16.7	91
142	A highly-sensitive wave sensor based on liquid-solid interfacing triboelectric nanogenerator for smart marine equipment. <i>Nano Energy</i> , <b>2019</b> , 57, 574-580	17.1	87
141	Antibacterial Composite Film-Based Triboelectric Nanogenerator for Harvesting Walking Energy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 11882-11888	9.5	81

140	Photothermally tunable biodegradation of implantable triboelectric nanogenerators for tissue repairing. <i>Nano Energy</i> , <b>2018</b> , 54, 390-399	17.1	81
139	A Packaged Self-Powered System with Universal Connectors Based on Hybridized Nanogenerators. <i>Advanced Materials</i> , <b>2016</b> , 28, 846-52	24	80
138	Flexible piezoelectric nanogenerator in wearable self-powered active sensor for respiration and healthcare monitoring. <i>Semiconductor Science and Technology</i> , <b>2017</b> , 32, 064004	1.8	78
137	Fully Bioabsorbable Capacitor as an Energy Storage Unit for Implantable Medical Electronics. <i>Advanced Science</i> , <b>2019</b> , 6, 1801625	13.6	75
136	A Stretchable Highoutput Triboelectric Nanogenerator Improved by MXene Liquid Electrode with High Electronegativity. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2004181	15.6	72
135	Self-Powered Distributed Water Level Sensors Based on LiquidSolid Triboelectric Nanogenerators for Ship Draft Detecting. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1900327	15.6	71
134	A self-powered sterilization system with both instant and sustainable anti-bacterial ability. <i>Nano Energy</i> , <b>2017</b> , 36, 241-249	17.1	70
133	Self-powered implantable electrical stimulator for osteoblasts proliferation and differentiation. <i>Nano Energy</i> , <b>2019</b> , 59, 705-714	17.1	70
132	Honeycomb Structure Inspired Triboelectric Nanogenerator for Highly Effective Vibration Energy Harvesting and Self-Powered Engine Condition Monitoring. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1902460	21.8	66
131	Customization of Conductive Elastomer Based on PVA/PEI for Stretchable Sensors. <i>Small</i> , <b>2020</b> , 16, e1904758	21.1	64
130	Recent progress of nanogenerators acting as biomedical sensors in vivo. <i>Science Bulletin</i> , <b>2019</b> , 64, 1336-1347	13.47	63
129	Robust Multilayered Encapsulation for High-Performance Triboelectric Nanogenerator in Harsh Environment. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 26697-26703	9.5	59
128	Single-Crystal Mesoporous ZnO Thin Films Composed of Nanowalls. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 1791-1794	3.8	58
127	Schottky-Contacted Nanowire Sensors. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000130	24	56
126	The recent advances in self-powered medical information sensors. <i>Information Materials</i> , <b>2020</b> , 2, 212-234	23.1	55
125	Direct muscle stimulation using diode-amplified triboelectric nanogenerators (TENGs). <i>Nano Energy</i> , <b>2019</b> , 63, 103844	17.1	50
124	Highly Efficient In Vivo Cancer Therapy by an Implantable Magnet Triboelectric Nanogenerator. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1808640	15.6	49
123	A Battery-Like Self-Charge Universal Module for Motional Energy Harvest. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1901875	21.8	48

122	Rutile Nanorod/Anatase Nanowire Junction Array as Both Sensor and Power Supplier for High-Performance, Self-Powered, Wireless UV Photodetector. <i>Small</i> , <b>2016</b> , 12, 2759-67	11	47
121	A 25-year bibliometric study of implantable energy harvesters and self-powered implantable medical electronics researches. <i>Materials Today Energy</i> , <b>2020</b> , 16, 100386	7	44
120	Refreshable Braille Display System Based on Triboelectric Nanogenerator and Dielectric Elastomer. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2006612	15.6	44
119	A wearable noncontact free-rotating hybrid nanogenerator for self-powered electronics. <i>Information Materials</i> , <b>2020</b> , 2, 1191-1200	23.1	43
118	Triboelectric nanogenerator enhanced multilayered antibacterial nanofiber air filters for efficient removal of ultrafine particulate matter. <i>Nano Research</i> , <b>2018</b> , 11, 4090-4101	10	43
117	Facile creation of bio-inspired superhydrophobic Ce-based metallic glass surfaces. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 261905	3.4	42
116	Reversible Conversion between Schottky and Ohmic Contacts for Highly Sensitive, Multifunctional Biosensors. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1907999	15.6	39
115	Recent progress in human body energy harvesting for smart bioelectronic system. <i>Fundamental Research</i> , <b>2021</b> , 1, 364-385		39
114	Triboelectric Nanogenerator Enhanced Schottky Nanowire Sensor for Highly Sensitive Ethanol Detection. <i>Nano Letters</i> , <b>2020</b> , 20, 4968-4974	11.5	38
113	Human Motion Driven Self-Powered Photodynamic System for Long-Term Autonomous Cancer Therapy. <i>ACS Nano</i> , <b>2020</b> , 14, 8074-8083	16.7	37
112	Piezoelectric Nanotopography Induced Neuron-Like Differentiation of Stem Cells. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1900372	15.6	36
111	A wearable system based on core-shell structured peptide-Co9S8 supercapacitor and triboelectric nanogenerator. <i>Nano Energy</i> , <b>2019</b> , 66, 104149	17.1	36
110	Wearable Wire-Shaped Symmetric Supercapacitors Based on Activated Carbon-Coated Graphite Fibers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 34302-34310	9.5	36
109	Recent progress in blue energy harvesting for powering distributed sensors in ocean. <i>Nano Energy</i> , <b>2021</b> , 88, 106199	17.1	33
108	Biocide-Free Antifouling on Insulating Surface by Wave-Driven Triboelectrification-Induced Potential Oscillation. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1600187	4.6	32
107	Nestable arched triboelectric nanogenerator for large deflection biomechanical sensing and energy harvesting. <i>Nano Energy</i> , <b>2020</b> , 69, 104417	17.1	32
106	Accelerated Skin Wound Healing by Electrical Stimulation. <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2100557	10.5	32
105	Microstructure and thermal stability of Cu/Zr0.3Al0.7N/Zr0.2Al0.8N/Al34O60N6 cermet-based solar selective absorbing coatings. <i>Applied Surface Science</i> , <b>2018</b> , 440, 932-938	6.7	31

104	Bio-inspired special wetting surfaces via self-assembly. <i>Science China Chemistry</i> , <b>2012</b> , 55, 2327-2333	7.9	31
103	Black Phosphorus Nanosheets Passivation Using a Tripeptide. <i>Small</i> , <b>2018</b> , 14, e1801701	11	30
102	Triboelectrification induced UV emission from plasmon discharge. <i>Nano Research</i> , <b>2015</b> , 8, 219-226	10	30
101	Tuning peptide self-assembly by an in-tether chiral center. <i>Science Advances</i> , <b>2018</b> , 4, eaar5907	14.3	28
100	Elastic Cu@PPy sponge for hybrid device with energy conversion and storage. <i>Nano Energy</i> , <b>2019</b> , 58, 852-861	17.1	27
99	A flexible self-arched biosensor based on combination of piezoelectric and triboelectric effects. <i>Applied Materials Today</i> , <b>2020</b> , 20, 100699	6.6	27
98	Bioinspired highly electrically conductive graphene-epoxy layered composites. <i>RSC Advances</i> , <b>2015</b> , 5, 22283-22288	3.7	26
97	Triboelectric nanogenerator based on degradable materials. <i>EcoMat</i> , <b>2021</b> , 3, e12072	9.4	26
96	A Hybrid Biofuel and Triboelectric Nanogenerator for Bioenergy Harvesting. <i>Nano-Micro Letters</i> , <b>2020</b> , 12, 50	19.5	24
95	Flexible and stretchable dual mode nanogenerator for rehabilitation monitoring and information interaction. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 3647-3654	7.3	24
94	Novel porous Ti35Zr28Nb scaffolds fabricated by powder metallurgy with excellent osteointegration ability for bone-tissue engineering applications. <i>Materials Science and Engineering C</i> , <b>2019</b> , 105, 110015	8.3	24
93	Recent development of implantable and flexible nerve electrodes. <i>Smart Materials in Medicine</i> , <b>2020</b> , 1, 131-147	12.9	24
92	Ag nanoparticle-ZnO nanowire hybrid nanostructures as enhanced and robust antimicrobial textiles via a green chemical approach. <i>Nanotechnology</i> , <b>2014</b> , 25, 145702	3.4	23
91	Stretchable, Self-Healing, and Skin-Mounted Active Sensor for Multipoint Muscle Function Assessment. <i>ACS Nano</i> , <b>2021</b> , 15, 10130-10140	16.7	22
90	Hierarchical nested-network porous copper fabricated by one-step dealloying for glucose sensing. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 681, 109-114	5.7	22
89	A Bioresorbable Dynamic Pressure Sensor for Cardiovascular Postoperative Care. <i>Advanced Materials</i> , <b>2021</b> , 33, e2102302	24	22
88	Porous Ti-10Mo alloy fabricated by powder metallurgy for promoting bone regeneration. <i>Science China Materials</i> , <b>2019</b> , 62, 1053-1064	7.1	21
87	A multi-mode triboelectric nanogenerator for energy harvesting and biomedical monitoring. <i>Nano Energy</i> , <b>2022</b> , 92, 106715	17.1	21

86	An effective self-powered strategy to endow titanium implant surface with associated activity of anti-biofilm and osteogenesis. <i>Nano Energy</i> , <b>2020</b> , 77, 105201	17.1	21
85	Progress and biomedical applications of MXenes. <i>Nano Select</i> , <b>2021</b> , 2, 1480-1508	3.1	21
84	Triboelectric-polarization-enhanced high sensitive ZnO UV sensor. <i>Nano Today</i> , <b>2020</b> , 33, 100873	17.9	20
83	In vivo delivery of Atoh1 gene to rat cochlea using a dendrimer-based nanocarrier. <i>Journal of Biomedical Nanotechnology</i> , <b>2013</b> , 9, 1736-45	4	20
82	Peptide-based nanomaterials: Self-assembly, properties and applications.. <i>Bioactive Materials</i> , <b>2022</b> , 11, 268-282	16.7	20
81	Long-term antibacterial characteristics and cytocompatibility of titania nanotubes loaded with Au nanoparticles without photocatalytic effects. <i>Applied Surface Science</i> , <b>2017</b> , 414, 230-237	6.7	19
80	Alkali Metal Chlorides Based Hydrogel as Eco-Friendly Neutral Electrolyte for Bendable Solid-State Capacitor. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1701648	4.6	18
79	Ultra-stretchable and fast self-healing ionic hydrogel in cryogenic environments for artificial nerve fiber.. <i>Advanced Materials</i> , <b>2022</b> , e2105416	24	18
78	Dynamic real-time imaging of living cell traction force by piezo-phototronic light nano-antenna array. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	18
77	Engineering Bacteria-Activated Multifunctionalized Hydrogel for Promoting Diabetic Wound Healing. <i>Advanced Functional Materials</i> , 2105749	15.6	18
76	Self-powered wearable electronics. <i>Wearable Technologies</i> , <b>2020</b> , 1,	4	16
75	High-Throughput and Self-Powered Electroporation System for Drug Delivery Assisted by Microfoam Electrode. <i>ACS Nano</i> , <b>2020</b> , 14, 15458-15467	16.7	16
74	Self-powered pulsed direct current stimulation system for enhancing osteogenesis in MC3T3-E1. <i>Nano Energy</i> , <b>2021</b> , 85, 106009	17.1	16
73	Self-powered gesture recognition wristband enabled by machine learning for full keyboard and multi-command input.. <i>Advanced Materials</i> , <b>2022</b> , e2200793	24	16
72	Ultrathin Stretchable Triboelectric Nanogenerators Improved by Postcharging Electrode Material. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 42966-42976	9.5	15
71	Self-powered technology for next-generation biosensor. <i>Science Bulletin</i> , <b>2021</b> , 66, 1709-1712	10.6	15
70	A Stretchable, Self-Healable Triboelectric Nanogenerator as Electronic Skin for Energy Harvesting and Tactile Sensing. <i>Materials</i> , <b>2021</b> , 14,	3.5	14
69	Nanogenerator-based devices for biomedical applications. <i>Nano Energy</i> , <b>2021</b> , 89, 106461	17.1	14

68	Self-powered photodetector for ultralow power density UV sensing. <i>Nano Today</i> , <b>2022</b> , 43, 101399	17.9	13
67	Self-Healing Functional Electronic Devices. <i>Small</i> , <b>2021</b> , 17, e2101383	11	13
66	Cancer Therapy: Highly Efficient In Vivo Cancer Therapy by an Implantable Magnet Triboelectric Nanogenerator (Adv. Funct. Mater. 41/2019). <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1970285	15.6	12
65	Emerging polymeric electrospun fibers: From structural diversity to application in flexible bioelectronics and tissue engineering. <i>Exploration</i> , 20210029		12
64	Human joint enabled flexible self-sustainable sweat sensors. <i>Nano Energy</i> , <b>2022</b> , 92, 106786	17.1	12
63	Rapid photoresponse of single-crystalline selenium nanobelts. <i>Solid State Communications</i> , <b>2008</b> , 148, 145-147	1.6	11
62	Self-Assembly of Constrained Cyclic Peptides Controlled by Ring Size. <i>CCS Chemistry</i> , <b>2020</b> , 2, 42-51	7.2	11
61	Plasmon-Induced Pyro-Phototronic Effect Enhancement in Self-Powered UV $\lambda$ is Detection with a ZnO/CuO p-n Junction Device. <i>Advanced Functional Materials</i> , 2108903	15.6	11
60	Electrospun Scaffolds Containing Silver-Doped Hydroxyapatite with Antimicrobial Properties for Applications in Orthopedic and Dental Bone Surgery. <i>Journal of Functional Biomaterials</i> , <b>2020</b> , 11,	4.8	11
59	Recent advances of biomass carbon dots on syntheses, characterization, luminescence mechanism, and sensing applications. <i>Nano Select</i> , <b>2021</b> , 2, 1117-1145	3.1	11
58	Recent progress of self-powered respiration monitoring systems. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 194, 113609	11.8	11
57	Fingerprint-shaped triboelectric tactile sensor. <i>Nano Energy</i> , <b>2022</b> , 98, 107324	17.1	11
56	Thermo-Driven Evaporation Self-Assembly and Dynamic Analysis of Homocentric Carbon Nanotube Rings. <i>Small</i> , <b>2017</b> , 13, 1603642	11	10
55	Enhanced thermal stability of ZrAlSiN cermet-based solar selective absorbing coatings via adding silicon element. <i>Materials Today Physics</i> , <b>2019</b> , 9, 100131	8	10
54	A Self-Powered Triboelectric Hybrid Coder for Human-Machine Interaction.. <i>Small Methods</i> , <b>2022</b> , e2101529	15.2	10
53	Enhanced Performance of a Self-Powered ZnO Photodetector by Coupling LSPR-Inspired Pyro-Phototronic Effect and Piezo-Phototronic Effect. <i>Advanced Optical Materials</i> , 2102468	8.1	10
52	Self-Powered Controllable Transdermal Drug Delivery System. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2104092	15.6	10
51	The first technology can compete with piezoelectricity to harvest ultrasound energy for powering medical implants. <i>Science Bulletin</i> , <b>2019</b> , 64, 1565-1566	10.6	10



50	Bioinspired sensor system for health care and human-machine interaction. <i>EcoMat</i> ,	9.4	8
49	Towards a Sustainable Monitoring: A Self-Powered Smart Transportation Infrastructure Skin. <i>Nano Energy</i> , <b>2022</b> , 107245	17.1	8
48	Bio-inspired multifunctional metallic glass. <i>Science China Chemistry</i> , <b>2016</b> , 59, 271-276	7.9	7
47	Flexible Supercapacitors Based on Graphene/Boron Nitride Nanosheets Electrodes and PVA/PEI Gel Electrolytes. <i>Materials</i> , <b>2021</b> , 14,	3.5	7
46	Self-Powerbility in Electrical Stimulation Drug Delivery System. <i>Advanced Materials Technologies</i> ,2100055.8		7
45	Assessment of extracellular matrix modulation of cell traction force by using silicon nanowire array. <i>Nano Energy</i> , <b>2018</b> , 50, 504-512	17.1	7
44	Piezoelectric-Enhanced Oriented Cobalt Coordinated Peptide Monolayer with Rectification Behavior. <i>Small</i> , <b>2015</b> , 11, 4864-9	11	6
43	Assistive devices for the people with disabilities enabled by triboelectric nanogenerators. <i>JPhys Materials</i> , <b>2021</b> , 4, 034015	4.2	6
42	An Ultra-Simple Charge Supplementary Strategy for High Performance Rotary Triboelectric Nanogenerators. <i>Small</i> , <b>2021</b> , 17, e2101430	11	6
41	Hybrid nanogenerator based closed-loop self-powered low-level vagus nerve stimulation system for atrial fibrillation treatment. <i>Science Bulletin</i> , <b>2022</b> ,	10.6	6
40	Self-Powered Force Sensors for Multidimensional Tactile Sensing.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	6
39	Fabrication of Concentric Carbon Nanotube Rings and Their Application on Regulating Cell Growth. <i>ACS Omega</i> , <b>2019</b> , 4, 16209-16216	3.9	5
38	Titanium Dioxide Nanoparticles Induced Proinflammation of Primary Cultured Cardiac Myocytes of Rat. <i>Journal of Nanomaterials</i> , <b>2013</b> , 2013, 1-9	3.2	5
37	Novel preparation of functionalized graphene oxide for large scale, low cost, and self-cleaning coatings of electronic devices <b>2011</b> ,		5
36	Stretchable graded multichannel self-powered respiratory sensor inspired by shark gill. <i>Fundamental Research</i> , <b>2022</b> ,		5
35	Electrical Stimulation for Nervous System Injury: Research Progress and Prospects. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , <b>2020</b> , 2005038-0	3.8	5
34	A hierarchical bilayer architecture for complex tissue regeneration.. <i>Bioactive Materials</i> , <b>2022</b> , 10, 93-106.6.7		5
33	A multiple laser-induced hybrid electrode for flexible triboelectric nanogenerators. <i>Sustainable Energy and Fuels</i> , <b>2021</b> , 5, 3737-3743	5.8	5

32	Recent progress on Schottky sensors based on two-dimensional transition metal dichalcogenides. <i>Journal of Materials Chemistry A</i> ,	13	5
31	A Gyroscope Nanogenerator with Frequency Up-Conversion Effect for Fitness and Energy Harvesting.. <i>Small</i> , <b>2022</b> , e2108091	11	5
30	Rehabilitation of Total Knee Arthroplasty by Integrating Conjoint Isometric Myodynamia and Real-Time Rotation Sensing System.. <i>Advanced Science</i> , <b>2022</b> , e2105219	13.6	4
29	Field enhanced photocatalytic disinfection. <i>Science Bulletin</i> , <b>2022</b> ,	10.6	4
28	Noninvasive manipulation of cell adhesion for cell harvesting with piezoelectric composite film. <i>Applied Materials Today</i> , <b>2021</b> , 25, 101218	6.6	4
27	Performance-enhanced and cost-effective triboelectric nanogenerator based on stretchable electrode for wearable SpO2 monitoring. <i>Nano Research</i> ,1	10	4
26	The modulation effect of the convexity of silicon topological nanostructures on the growth of mesenchymal stem cells. <i>RSC Advances</i> , <b>2017</b> , 7, 16977-16983	3.7	3
25	Stretchable Sensors: Customization of Conductive Elastomer Based on PVA/PEI for Stretchable Sensors (Small 7/2020). <i>Small</i> , <b>2020</b> , 16, 2070037	11	3
24	Influence of the aluminum content on structure and optical properties of Zr 1-x Al x N films. <i>Vacuum</i> , <b>2017</b> , 145, 268-271	3.7	3
23	Chemical warfare agents decontamination via air microplasma excited by a triboelectric nanogenerator. <i>Nano Energy</i> , <b>2022</b> , 95, 106992	17.1	3
22	Research progress of self-powered flexible biomedical sensors. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2020</b> , 69, 178704	0.6	3
21	Endocardial Pressure Sensors: Transcatheter Self-Powered Ultrasensitive Endocardial Pressure Sensor (Adv. Funct. Mater. 3/2019). <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1970017	15.6	3
20	Recent Progress of Nanogenerators Acting as Self-Powered Drug Delivery Devices. <i>Advanced Sustainable Systems</i> , <b>2021</b> , 5, 2000268	5.9	3
19	Combining triboelectric nanogenerator with piezoelectric effect for optimizing Schottky barrier height modulation. <i>Science Bulletin</i> , <b>2021</b> , 66, 1409-1418	10.6	3
18	Tunable Schottky barrier height of a Pt-CuO junction a triboelectric nanogenerator. <i>Nanoscale</i> , <b>2021</b> , 13, 17101-17105	7.7	3
17	Pyro-phototronic effect enhanced self-powered photodetector. <i>International Journal of Optomechatronics</i> , <b>2022</b> , 16, 1-17	3.5	3
16	Fabrication and performance test of biodegradable supercapacitor. <i>MRS Advances</i> , <b>2019</b> , 4, 2063-2070	0.7	2
15	Large-Scale Fabrication of Ordered Monolayer Self-assembly of Polystyrene Submicron Spheres. <i>Lecture Notes in Electrical Engineering</i> , <b>2018</b> , 827-832	0.2	2

14	Fabrication of a spontaneously bent ZnO nanowire with asymmetrical dots by UV irradiation. <i>RSC Advances</i> , <b>2017</b> , 7, 38014-38018	3.7	2
13	Biocompatible Single-Crystal Selenium Nanobelt Based Nanodevice as a Temperature-Tunable Photosensor. <i>Journal of Nanomaterials</i> , <b>2012</b> , 2012, 1-6	3.2	2
12	Structure-activity collective properties underlying self-assembled superstructures. <i>Nano Today</i> , <b>2022</b> , 42, 101354	17.9	2
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9	Shape Designed Implanted Drug Delivery System for Hepatocellular Carcinoma Therapy.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	2
8	Bioabsorbable Capacitors: Fully Bioabsorbable Capacitor as an Energy Storage Unit for Implantable Medical Electronics (Adv. Sci. 6/2019). <i>Advanced Science</i> , <b>2019</b> , 6, 1970035	13.6	1
7	High-Throughput Identification and Screening of Single Microbial Cells by Nanobowl Array. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 44933-44940	9.5	1
6	Release of Ag/ZnO Nanomaterials and Associated Risks of a Novel Water Sterilization Technology. <i>Water (Switzerland)</i> , <b>2019</b> , 11, 2276	3	1
5	Effect of Gold/Fe <sub>3</sub> O <sub>4</sub> Nanoparticles on Biocompatibility and Neural Differentiation of Rat Olfactory Bulb Neural Stem Cells. <i>Journal of Nanomaterials</i> , <b>2013</b> , 2013, 1-7	3.2	1
4	PEIGel: A biocompatible and injectable scaffold with innate immune adjuvanticity for synergized local immunotherapy. <i>Materials Today Bio</i> , <b>2022</b> , 15, 100297	9.9	1
3	Ultra-Stretchable and Fast Self-Healing Ionic Hydrogel in Cryogenic Environments for Artificial Nerve Fiber (Adv. Mater. 16/2022). <i>Advanced Materials</i> , <b>2022</b> , 34, 2270122	24	0
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1	Self-Assembly of Constrained Cyclic Peptides Controlled by Ring Size. <i>CCS Chemistry</i> , 42-51	7.2	