Zhou Li

List of Publications by Year
in descending order

199 papers	15,397 citations	13827 67 h-index	19690 117 g-index
201 all docs	201 docs citations	201 times ranked	11310 citing authors

#	Article	IF	Citations
1	Recent progress of electroactive interface in neural engineering. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2023, 15, .	3.3	6
2	Selfâ€Powerbility in Electrical Stimulation Drug Delivery System. Advanced Materials Technologies, 2022, 7, 2100055.	3.0	40
3	Performance-enhanced and cost-effective triboelectric nanogenerator based on stretchable electrode for wearable SpO2 monitoring. Nano Research, 2022, 15, 2465-2471.	5.8	26
4	Peptide-based nanomaterials: Self-assembly, properties and applications. Bioactive Materials, 2022, 11, 268-282.	8.6	132
5	A hierarchical bilayer architecture for complex tissue regeneration. Bioactive Materials, 2022, 10, 93-106.	8.6	25
6	Plasmonâ€Induced Pyroâ€Phototronic Effect Enhancement in Selfâ€Powered UVâ€"Vis Detection with a ZnO/CuO pâ€"n Junction Device. Advanced Functional Materials, 2022, 32, 2108903.	7.8	43
7	Human joint enabled flexible self-sustainable sweat sensors. Nano Energy, 2022, 92, 106786.	8.2	45
8	Structure-activity collective properties underlying self-assembled superstructures. Nano Today, 2022, 42, 101354.	6.2	4
9	A multi-mode triboelectric nanogenerator for energy harvesting and biomedical monitoring. Nano Energy, 2022, 92, 106715.	8.2	78
10	Stretchable graded multichannel self-powered respiratory sensor inspired by shark gill. Fundamental Research, 2022, 2, 619-628.	1.6	29
11	Rehabilitation of Total Knee Arthroplasty by Integrating Conjoint Isometric Myodynamia and Realâ€Time Rotation Sensing System. Advanced Science, 2022, 9, e2105219.	5.6	28
12	Field enhanced photocatalytic disinfection. Science Bulletin, 2022, 67, 779-783.	4.3	25
13	Emerging polymeric electrospun fibers: From structural diversity to application in flexible bioelectronics and tissue engineering. Exploration, 2022, 2, .	5.4	68
14	A Selfâ€Powered Triboelectric Hybrid Coder for Humanâ€"Machine Interaction. Small Methods, 2022, 6, e2101529.	4.6	53
15	Enhanced Performance of a Selfâ€Powered ZnO Photodetector by Coupling LSPRâ€Inspired Pyroâ€Phototronic Effect and Piezoâ€Phototronic Effect. Advanced Optical Materials, 2022, 10, .	3.6	42
16	Ultraâ€Stretchable and Fast Selfâ€Healing Ionic Hydrogel in Cryogenic Environments for Artificial Nerve Fiber. Advanced Materials, 2022, 34, e2105416.	11.1	110
17	Self-powered photodetector for ultralow power density UV sensing. Nano Today, 2022, 43, 101399.	6.2	57
18	Chemical warfare agents decontamination via air mircoplasma excited by a triboelectric nanogenerator. Nano Energy, 2022, 95, 106992.	8.2	29

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19	A triboelectric nanosensor based on ultra-thin MXene composite paper for heavy metal ion detection. Journal of Micromechanics and Microengineering, 2022, 32, 044003.	1.5	8
20	Recent progress on Schottky sensors based on two-dimensional transition metal dichalcogenides. Journal of Materials Chemistry A, 2022, 10, 8107-8128.	5.2	38
21	A Gyroscope Nanogenerator with Frequency Upâ€Conversion Effect for Fitness and Energy Harvesting. Small, 2022, 18, e2108091.	5.2	18
22	Self-Powered Electrical Impulse Chemotherapy for Oral Squamous Cell Carcinoma. Materials, 2022, 15, 2060.	1.3	6
23	Selfâ€Powered Gesture Recognition Wristband Enabled by Machine Learning for Full Keyboard and Multicommand Input. Advanced Materials, 2022, 34, e2200793.	11.1	81
24	Pyro-phototronic effect enhanced self-powered photodetector. International Journal of Optomechatronics, 2022, 16, 1-17.	3.3	27
25	Bioinspired sensor system for health care and humanâ€machine interaction. EcoMat, 2022, 4, .	6.8	54
26	Hybrid nanogenerator based closed-loop self-powered low-level vagus nerve stimulation system for atrial fibrillation treatment. Science Bulletin, 2022, 67, 1284-1294.	4.3	30
27	Hybrid Nanogenerator for Biomechanical Energy Harvesting, Motion State Detection, and Pulse Sensing. Advanced Materials Technologies, 2022, 7, .	3.0	21
28	Towards a sustainable monitoring: A self-powered smart transportation infrastructure skin. Nano Energy, 2022, 98, 107245.	8.2	29
29	Ultraâ€Stretchable and Fast Selfâ€Healing Ionic Hydrogel in Cryogenic Environments for Artificial Nerve Fiber (Adv. Mater. 16/2022). Advanced Materials, 2022, 34, .	11.1	2
30	An Artificial Intelligence-Enhanced Blood Pressure Monitor Wristband Based on Piezoelectric Nanogenerator. Biosensors, 2022, 12, 234.	2.3	29
31	Self-Powered Force Sensors for Multidimensional Tactile Sensing. ACS Applied Materials & Interfaces, 2022, 14, 20122-20131.	4.0	35
32	A Light-Powered Triboelectric Nanogenerator Based on the Photothermal Marangoni Effect. ACS Applied Materials & Interfaces, 2022, 14, 22206-22215.	4.0	8
33	Fingerprint-shaped triboelectric tactile sensor. Nano Energy, 2022, 98, 107324.	8.2	70
34	Shape Designed Implanted Drug Delivery System for In Situ Hepatocellular Carcinoma Therapy. ACS Nano, 2022, 16, 8493-8503.	7.3	21
35	PEIGel: A biocompatible and injectable scaffold with innate immune adjuvanticity for synergized local immunotherapy. Materials Today Bio, 2022, 15, 100297.	2.6	13
36	Localized Myocardial Anti-Inflammatory Effects of Temperature-Sensitive Budesonide Nanoparticles during Radiofrequency Catheter Ablation. Research, 2022, 2022, .	2.8	2

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37	A Self-Powered Optogenetic System for Implantable Blood Glucose Control. Research, 2022, 2022, .	2.8	7
38	Body Temperature Enhanced Adhesive, Antibacterial, and Recyclable Ionic Hydrogel for Epidermal Electrophysiological Monitoring. Advanced Healthcare Materials, 2022, 11, .	3.9	29
39	Selfâ€Powered Intelligent Voice Navigation Tactile Pavement Based on Highâ€Output Hybrid Nanogenerator. Advanced Materials Technologies, 2022, 7, .	3.0	7
40	Conductive Microneedle Patch with Electricity-Triggered Drug Release Performance for Atopic Dermatitis Treatment. ACS Applied Materials & Interfaces, 2022, 14, 31645-31654.	4.0	29
41	Rapidly separable bubble microneedle patch for effective local anesthesia. Nano Research, 2022, 15, 8336-8344.	5.8	16
42	LSPRâ€Enhanced Pyroâ€Phototronic Effect for UV Detection with an Agâ€"ZnO Schottky Junction Device. Advanced Materials Interfaces, 2022, 9, .	1.9	10
43	Refreshable Braille Display System Based on Triboelectric Nanogenerator and Dielectric Elastomer. Advanced Functional Materials, 2021, 31, 2006612.	7.8	96
44	Self-powered cardiovascular electronic devices and systems. Nature Reviews Cardiology, 2021, 18, 7-21.	6.1	206
45	Recent advances of biomass carbon dots on syntheses, characterization, luminescence mechanism, and sensing applications. Nano Select, 2021, 2, 1117-1145.	1.9	43
46	Recent Progress of Nanogenerators Acting as Selfâ€Powered Drug Delivery Devices. Advanced Sustainable Systems, 2021, 5, 2000268.	2.7	14
47	Progress and biomedical applications of MXenes. Nano Select, 2021, 2, 1480-1508.	1.9	100
48	A Stretchable, Self-Healable Triboelectric Nanogenerator as Electronic Skin for Energy Harvesting and Tactile Sensing. Materials, 2021, 14, 1689.	1.3	38
49	Flexible Supercapacitors Based on Graphene/Boron Nitride Nanosheets Electrodes and PVA/PEI Gel Electrolytes. Materials, 2021, 14, 1955.	1.3	17
50	Dynamic real-time imaging of living cell traction force by piezo-phototronic light nano-antenna array. Science Advances, 2021, 7, .	4.7	65
51	Assistive devices for the people with disabilities enabled by triboelectric nanogenerators. JPhys Materials, 2021, 4, 034015.	1.8	14
52	Accelerated Skin Wound Healing by Electrical Stimulation. Advanced Healthcare Materials, 2021, 10, e2100557.	3.9	167
53	Recent progress in human body energy harvesting for smart bioelectronic system. Fundamental Research, 2021, 1, 364-382.	1.6	106
54	An Ultraâ€Simple Charge Supplementary Strategy for High Performance Rotary Triboelectric Nanogenerators. Small, 2021, 17, e2101430.	5.2	23

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55	Selfâ€Powered Controllable Transdermal Drug Delivery System. Advanced Functional Materials, 2021, 31, 2104092.	7.8	52
56	Stretchable, Self-Healing, and Skin-Mounted Active Sensor for Multipoint Muscle Function Assessment. ACS Nano, 2021, 15, 10130-10140.	7.3	75
57	Selfâ€Healing Functional Electronic Devices. Small, 2021, 17, e2101383.	5.2	55
58	Self-powered pulsed direct current stimulation system for enhancing osteogenesis in MC3T3-E1. Nano Energy, 2021, 85, 106009.	8.2	50
59	Combining triboelectric nanogenerator with piezoelectric effect for optimizing Schottky barrier height modulation. Science Bulletin, 2021, 66, 1409-1418.	4.3	9
60	A Bioresorbable Dynamic Pressure Sensor for Cardiovascular Postoperative Care. Advanced Materials, 2021, 33, e2102302.	11.1	85
61	Ultrathin Stretchable Triboelectric Nanogenerators Improved by Postcharging Electrode Material. ACS Applied Materials & Interfaces, 2021, 13, 42966-42976.	4.0	50
62	Engineering Bacteriaâ€Activated Multifunctionalized Hydrogel for Promoting Diabetic Wound Healing. Advanced Functional Materials, 2021, 31, 2105749.	7.8	104
63	Self-powered technology for next-generation biosensor. Science Bulletin, 2021, 66, 1709-1712.	4.3	32
64	Recent progress in blue energy harvesting for powering distributed sensors in ocean. Nano Energy, 2021, 88, 106199.	8.2	130
65	Nanogenerator-based devices for biomedical applications. Nano Energy, 2021, 89, 106461.	8.2	45
66	Recent progress of self-powered respiration monitoring systems. Biosensors and Bioelectronics, 2021, 194, 113609.	5.3	33
67	Tunable Schottky barrier height of a Ptâ€"CuO junction via a triboelectric nanogenerator. Nanoscale, 2021, 13, 17101-17105.	2.8	8
68	A multiple laser-induced hybrid electrode for flexible triboelectric nanogenerators. Sustainable Energy and Fuels, 2021, 5, 3737-3743.	2.5	17
69	Triboelectric nanogenerator based on degradable materials. EcoMat, 2021, 3, e12072.	6.8	108
70	Noninvasive manipulation of cell adhesion for cell harvesting with piezoelectric composite film. Applied Materials Today, 2021, 25, 101218.	2.3	10
71	Implantable Sufficiently Integrated Multimodal Flexible Sensor for Intracranial Monitoring. , 2021, , .		1
72	Customization of Conductive Elastomer Based on PVA/PEI for Stretchable Sensors. Small, 2020, 16, e1904758.	5.2	107

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73	Nestable arched triboelectric nanogenerator for large deflection biomechanical sensing and energy harvesting. Nano Energy, 2020, 69, 104417.	8.2	47
74	The recent advances in selfâ€powered medical information sensors. InformaÄ›nÃ-MateriÃ¡ly, 2020, 2, 212-234.	8.5	96
75	Reversible Conversion between Schottky and Ohmic Contacts for Highly Sensitive, Multifunctional Biosensors. Advanced Functional Materials, 2020, 30, 1907999.	7.8	61
76	Recent development of implantable and flexible nerve electrodes. Smart Materials in Medicine, 2020, 1, 131-147.	3.7	61
77	High-Throughput and Self-Powered Electroporation System for Drug Delivery Assisted by Microfoam Electrode. ACS Nano, 2020, 14, 15458-15467.	7.3	41
78	A Stretchable Highoutput Triboelectric Nanogenerator Improved by MXene Liquid Electrode with High Electronegativity. Advanced Functional Materials, 2020, 30, 2004181.	7.8	147
79	Electrospun Scaffolds Containing Silver-Doped Hydroxyapatite with Antimicrobial Properties for Applications in Orthopedic and Dental Bone Surgery. Journal of Functional Biomaterials, 2020, 11, 58.	1.8	24
80	Self-powered wearable electronics. Wearable Technologies, 2020, 1, .	1.6	36
81	Schottkyâ€Contacted Nanowire Sensors. Advanced Materials, 2020, 32, e2000130.	11.1	108
82	Triboelectric-polarization-enhanced high sensitive ZnO UV sensor. Nano Today, 2020, 33, 100873.	6.2	33
83	A flexible self-arched biosensor based on combination of piezoelectric and triboelectric effects. Applied Materials Today, 2020, 20, 100699.	2.3	45
84	Emerging Implantable Energy Harvesters and Self-Powered Implantable Medical Electronics. ACS Nano, 2020, 14, 6436-6448.	7.3	223
85	Triboelectric Nanogenerator Enhanced Schottky Nanowire Sensor for Highly Sensitive Ethanol Detection. Nano Letters, 2020, 20, 4968-4974.	4.5	58
86	Human Motion Driven Self-Powered Photodynamic System for Long-Term Autonomous Cancer Therapy. ACS Nano, 2020, 14, 8074-8083.	7.3	77
87	A wearable noncontact freeâ€rotating hybrid nanogenerator for selfâ€powered electronics. InformaÄ›nÃ-MateriÃ¡ly, 2020, 2, 1191-1200.	8.5	71
88	A 25-year bibliometric study of implantable energy harvesters and self-powered implantable medical electronics researches. Materials Today Energy, 2020, 16, 100386.	2.5	58
89	A Hybrid Biofuel and Triboelectric Nanogenerator for Bioenergy Harvesting. Nano-Micro Letters, 2020, 12, 50.	14.4	41
90	Stretchable Sensors: Customization of Conductive Elastomer Based on PVA/PEI for Stretchable Sensors (Small 7/2020). Small, 2020, 16, 2070037.	5.2	4

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91	Flexible and stretchable dual mode nanogenerator for rehabilitation monitoring and information interaction. Journal of Materials Chemistry B, 2020, 8, 3647-3654.	2.9	47
92	An effective self-powered strategy to endow titanium implant surface with associated activity of anti-biofilm and osteogenesis. Nano Energy, 2020, 77, 105201.	8.2	38
93	Self-Assembly of Constrained Cyclic Peptides Controlled by Ring Size. CCS Chemistry, 2020, 2, 42-51.	4.6	20
94	Nanogenerator-Based Self-Powered Sensors for Wearable and Implantable Electronics. Research, 2020, 2020, 8710686.	2.8	147
95	Electrical Stimulation for Nervous System Injury: Research Progress and Prospects. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, .	2.2	12
96	Research progress of self-powered flexible biomedical sensors. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 178704.	0.2	7
97	A Batteryâ€Like Selfâ€Charge Universal Module for Motional Energy Harvest. Advanced Energy Materials, 2019, 9, 1901875.	10.2	68
98	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.	3.8	44
99	Recent progress of nanogenerators acting as biomedical sensors in vivo. Science Bulletin, 2019, 64, 1336-1347.	4.3	91
100	A wearable system based on core-shell structured peptide-Co9S8 supercapacitor and triboelectric nanogenerator. Nano Energy, 2019, 66, 104149.	8.2	62
101	High-Throughput Identification and Screening of Single Microbial Cells by Nanobowl Array. ACS Applied Materials & Interfaces, 2019, 11, 44933-44940.	4.0	2
102	Release of Ag/ZnO Nanomaterials and Associated Risks of a Novel Water Sterilization Technology. Water (Switzerland), 2019, 11, 2276.	1.2	3
103	Research Highlights in the Beijing Institute of Nanoenergy and Nanosystems. Advanced Functional Materials, 2019, 29, 1906059.	7.8	0
104	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.	7.8	17
105	Honeycomb Structure Inspired Triboelectric Nanogenerator for Highly Effective Vibration Energy Harvesting and Selfâ€Powered Engine Condition Monitoring. Advanced Energy Materials, 2019, 9, 1902460.	10.2	133
106	Fabrication of Concentric Carbon Nanotube Rings and Their Application on Regulating Cell Growth. ACS Omega, 2019, 4, 16209-16216.	1.6	6
107	Enhanced thermal stability of ZrAlSiN cermet-based solar selective absorbing coatings via adding silicon element. Materials Today Physics, 2019, 9, 100131.	2.9	12
108	Highly Efficient In Vivo Cancer Therapy by an Implantable Magnet Triboelectric Nanogenerator. Advanced Functional Materials, 2019, 29, 1808640.	7.8	92

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109	Fully Bioabsorbable Capacitor as an Energy Storage Unit for Implantable Medical Electronics. Advanced Science, 2019, 6, 1801625.	5.6	106
110	Porous Ti-10Mo alloy fabricated by powder metallurgy for promoting bone regeneration. Science China Materials, 2019, 62, 1053-1064.	3.5	37
111	Elastic Cu@PPy sponge for hybrid device with energy conversion and storage. Nano Energy, 2019, 58, 852-861.	8.2	49
112	Selfâ€Powered Intracellular Drug Delivery by a Biomechanical Energyâ€Driven Triboelectric Nanogenerator. Advanced Materials, 2019, 31, e1807795.	11.1	154
113	A bionic stretchable nanogenerator for underwater sensing and energy harvesting. Nature Communications, 2019, 10, 2695.	5.8	413
114	Direct muscle stimulation using diode-amplified triboelectric nanogenerators (TENGs). Nano Energy, 2019, 63, 103844.	8.2	84
115	Fabrication and performance test of biodegradable supercapacitor. MRS Advances, 2019, 4, 2063-2070.	0.5	3
116	Body-Integrated Self-Powered System for Wearable and Implantable Applications. ACS Nano, 2019, 13, 6017-6024.	7.3	142
117	Symbiotic cardiac pacemaker. Nature Communications, 2019, 10, 1821.	5.8	429
118	Selfâ€Powered Distributed Water Level Sensors Based on Liquidâ€"Solid Triboelectric Nanogenerators for Ship Draft Detecting. Advanced Functional Materials, 2019, 29, 1900327.	7.8	115
119	Bioabsorbable Capacitors: Fully Bioabsorbable Capacitor as an Energy Storage Unit for Implantable Medical Electronics (Adv. Sci. 6/2019). Advanced Science, 2019, 6, 1970035.	5.6	2
120	Self-powered implantable electrical stimulator for osteoblastsâ€™ proliferation and differentiation. Nano Energy, 2019, 59, 705-714.	8.2	126
121	Piezoelectric Nanotopography Induced Neuronâ€Like Differentiation of Stem Cells. Advanced Functional Materials, 2019, 29, 1900372.	7.8	75
122	Wearable and Implantable Triboelectric Nanogenerators. Advanced Functional Materials, 2019, 29, 1808820.	7.8	296
123	The first technology can compete with piezoelectricity to harvest ultrasound energy for powering medical implants. Science Bulletin, 2019, 64, 1565-1566.	4.3	14
124	A highly-sensitive wave sensor based on liquid-solid interfacing triboelectric nanogenerator for smart marine equipment. Nano Energy, 2019, 57, 574-580.	8.2	147
125	Transcatheter Selfâ€Powered Ultrasensitive Endocardial Pressure Sensor. Advanced Functional Materials, 2019, 29, 1807560.	7.8	181
126	High Power Density Tower-like Triboelectric Nanogenerator for Harvesting Arbitrary Directional Water Wave Energy. ACS Nano, 2019, 13, 1932-1939.	7.3	116

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127	Endocardial Pressure Sensors: Transcatheter Self-Powered Ultrasensitive Endocardial Pressure Sensor (Adv. Funct. Mater. 3/2019). Advanced Functional Materials, 2019, 29, 1970017.	7.8	5
128	Elastic Cu@Ppy Sponge for Hybrid Device with Energy Conversion and Storage. ECS Meeting Abstracts, 2019, , .	0.0	0
129	A High-Power Density Triboelectric Nanogenerator for Harvesting Wave Energy. ECS Meeting Abstracts, 2019, , .	0.0	0
130	Fully Bioabsorbable Capacitor As an Energy Storage Unit for Implantable Medical Electronics. ECS Meeting Abstracts, 2019, , .	0.0	1
131	Highly-Sensitivity and Self-Powered Ocean Wave Sensor Based on Liquid-Solid Interfacing Triboelectric Nanogenerator. ECS Meeting Abstracts, 2019, , .	0.0	0
132	Biodegradable Self-Powered Electronics. ECS Meeting Abstracts, 2019, , .	0.0	0
133	(Invited) Self-Powered Medical Electronics. ECS Meeting Abstracts, 2019, MA2019-01, 1330-1330.	0.0	1
134	Biodegradable Self-Powered Electronics and Application in Biomedical Engineering. ECS Meeting Abstracts, 2019, , .	0.0	0
135	Alkali Metal Chlorides Based Hydrogel As Eco-Friendly Neutral Electrolyte for Bendable Solid-State Capacitor. ECS Meeting Abstracts, 2019, , .	0.0	0
136	Triboelectric nanogenerator enhanced multilayered antibacterial nanofiber air filters for efficient removal of ultrafine particulate matter. Nano Research, 2018, 11, 4090-4101.	5.8	74
137	Nanogenerator for Biomedical Applications. Advanced Healthcare Materials, 2018, 7, e1701298.	3.9	147
138	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.	3.1	40
139	Large-Scale Fabrication of Ordered Monolayer Self-assembly of Polystyrene Submicron Spheres. Lecture Notes in Electrical Engineering, 2018, , 827-832.	0.3	2
140	Alkali Metal Chlorides Based Hydrogel as Ecoâ€Friendly Neutral Electrolyte for Bendable Solidâ€State Capacitor. Advanced Materials Interfaces, 2018, 5, 1701648.	1.9	23
141	Piezoelectric nanofibrous scaffolds as in vivo energy harvesters for modifying fibroblast alignment and proliferation in wound healing. Nano Energy, 2018, 43, 63-71.	8.2	169
142	Photothermally tunable biodegradation of implantable triboelectric nanogenerators for tissue repairing. Nano Energy, 2018, 54, 390-399.	8.2	136
143	Wearable Wire-Shaped Symmetric Supercapacitors Based on Activated Carbon-Coated Graphite Fibers. ACS Applied Materials & Interfaces, 2018, 10, 34302-34310.	4.0	46
144	An antibacterial platform based on capacitive carbon-doped TiO2 nanotubes after direct or alternating currentÂcharging. Nature Communications, 2018, 9, 2055.	5.8	153

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145	Assessment of extracellular matrix modulation of cell traction force by using silicon nanowire array. Nano Energy, 2018, 50, 504-512.	8.2	9
146	Fully Bioabsorbable Naturalâ€Materialsâ€Based Triboelectric Nanogenerators. Advanced Materials, 2018, 30, e1801895.	11.1	319
147	Implantable Energyâ€Harvesting Devices. Advanced Materials, 2018, 30, e1801511.	11.1	214
148	Tuning peptide self-assembly by an in-tether chiral center. Science Advances, 2018, 4, eaar5907.	4.7	50
149	Black Phosphorus Nanosheets Passivation Using a Tripeptide. Small, 2018, 14, e1801701.	5.2	36
150	Long-term antibacterial characteristics and cytocompatibility of titania nanotubes loaded with Au nanoparticles without photocatalytic effects. Applied Surface Science, 2017, 414, 230-237.	3.1	25
151	A self-powered sterilization system with both instant and sustainable anti-bacterial ability. Nano Energy, 2017, 36, 241-249.	8.2	123
152	Energy Harvesting from the Animal/Human Body for Self-Powered Electronics. Annual Review of Biomedical Engineering, 2017, 19, 85-108.	5.7	285
153	The modulation effect of the convexity of silicon topological nanostructures on the growth of mesenchymal stem cells. RSC Advances, 2017, 7, 16977-16983.	1.7	3
154	Flexible piezoelectric nanogenerator in wearable self-powered active sensor for respiration and healthcare monitoring. Semiconductor Science and Technology, 2017, 32, 064004.	1.0	110
155	Recent Progress on Piezoelectric and Triboelectric Energy Harvesters in Biomedical Systems. Advanced Science, 2017, 4, 1700029.	5.6	405
156	Antibacterial Composite Film-Based Triboelectric Nanogenerator for Harvesting Walking Energy. ACS Applied Materials & Interfaces, 2017, 9, 11882-11888.	4.0	110
157	Thermoâ€Driven Evaporation Selfâ€Assembly and Dynamic Analysis of Homocentric Carbon Nanotube Rings. Small, 2017, 13, 1603642.	5.2	11
158	Fabrication of a spontaneously bent ZnO nanowire with asymmetrical dots by UV irradiation. RSC Advances, 2017, 7, 38014-38018.	1.7	3
159	Selfâ€Powered Pulse Sensor for Antidiastole of Cardiovascular Disease. Advanced Materials, 2017, 29, 1703456.	11.1	360
160	Influence of the aluminum content on structure and optical properties of Zr 1-x Al x N films. Vacuum, 2017, 145, 268-271.	1.6	7
161	Self-powered implantable electronic medical devices research based on triboelectric nanogenerator. Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica, 2017, 47, 1075-1080.	0.3	1
162	Rutile Nanorod/Anatase Nanowire Junction Array as Both Sensor and Power Supplier for Highâ€Performance, Selfâ€Powered, Wireless UV Photodetector. Small, 2016, 12, 2759-2767.	5.2	66

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163	Biodegradable triboelectric nanogenerator as a life-time designed implantable power source. Science Advances, 2016, 2, e1501478.	4.7	461
164	Hierarchical nested-network porous copper fabricated by one-step dealloying for glucose sensing. Journal of Alloys and Compounds, 2016, 681, 109-114.	2.8	29
165	Robust Multilayered Encapsulation for High-Performance Triboelectric Nanogenerator in Harsh Environment. ACS Applied Materials & Interfaces, 2016, 8, 26697-26703.	4.0	79
166	A size-unlimited surface microstructure modification method for achieving high performance triboelectric nanogenerator. Nano Energy, 2016, 28, 172-178.	8.2	154
167	Self-Powered, One-Stop, and Multifunctional Implantable Triboelectric Active Sensor for Real-Time Biomedical Monitoring. Nano Letters, 2016, 16, 6042-6051.	4.5	291
168	Biocideâ€Free Antifouling on Insulating Surface by Waveâ€Driven Triboelectrificationâ€Induced Potential Oscillation. Advanced Materials Interfaces, 2016, 3, 1600187.	1.9	45
169	A Packaged Selfâ€Powered System with Universal Connectors Based on Hybridized Nanogenerators. Advanced Materials, 2016, 28, 846-852.	11.1	103
170	In Vivo Self-Powered Wireless Cardiac Monitoring via Implantable Triboelectric Nanogenerator. ACS Nano, 2016, 10, 6510-6518.	7.3	342
171	Construction of a 3D rGOâ€“collagen hybrid scaffold for enhancement of the neural differentiation of mesenchymal stem cells. Nanoscale, 2016, 8, 1897-1904.	2.8	127
172	Bio-inspired multifunctional metallic glass. Science China Chemistry, 2016, 59, 271-276.	4.2	13
173	(Invited) Self-Powered, Wireless Medical Sensor andÂDevices. ECS Meeting Abstracts, 2016, MA2016-01, 1280-1280.	0.0	1
174	Piezoelectricâ€Enhanced Oriented Cobalt Coordinated Peptide Monolayer with Rectification Behavior. Small, 2015, 11, 4864-4869.	5.2	9
175	Triboelectrification induced UV emission from plasmon discharge. Nano Research, 2015, 8, 219-226.	5.8	39
176	Bioinspired highly electrically conductive grapheneâ€“epoxy layered composites. RSC Advances, 2015, 5, 22283-22288.	1.7	28
177	Implantable Self-Powered Low-Level Laser Cure System for Mouse Embryonic Osteoblastsâ€™ Proliferation and Differentiation. ACS Nano, 2015, 9, 7867-7873.	7.3	138
178	High-Resolution Dynamic Pressure Sensor Array Based on Piezo-phototronic Effect Tuned Photoluminescence Imaging. ACS Nano, 2015, 9, 3143-3150.	7.3	122
179	Application of the Oxidation of Hydrogen Peroxide for DNA Sensing Based on Platinum Deposition. Sensors and Materials, 2015, , 1.	0.3	1
180	In Vivo Powering of Pacemaker by Breathingâ€Driven Implanted Triboelectric Nanogenerator. Advanced Materials, 2014, 26, 5851-5856.	11.1	476

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181	Ag nanoparticleâ€“ZnO nanowire hybrid nanostructures as enhanced and robust antimicrobial textiles via a green chemical approach. Nanotechnology, 2014, 25, 145702.	1.3	27
182	Bioinspired Multifunctional Foam with Selfâ€Cleaning and Oil/Water Separation. Advanced Functional Materials, 2013, 23, 2881-2886.	7.8	513
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