Jun Chen

List of Publications by Year
in descending order

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193	33,838	2696 98	4131 181
papers	citations	h-index	g-index

199	199	199	17710
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Triboelectric Nanogenerators for Self-Powered Breath Monitoring. ACS Applied Energy Materials, 2022, 5, 3952-3965.	2.5	39
2	Moisture assisted photo-engineered textiles for visible and self-adaptive infrared dual camouflage. Nano Energy, 2022, 93, 106855.	8.2	31
3	Recent Advances on Dualâ€Band Electrochromic Materials and Devices. Advanced Functional Materials, 2022, 32, .	7.8	81
4	Wearable Pressure Sensors for Pulse Wave Monitoring. Advanced Materials, 2022, 34, e2109357.	11.1	253
5	Simultaneous Biomechanical and Biochemical Monitoring for Self-Powered Breath Analysis. ACS Applied Materials & Interfaces, 2022, 14, 7301-7310.	4.0	86
6	Electronic Textiles for Wearable Point-of-Care Systems. Chemical Reviews, 2022, 122, 3259-3291.	23.0	316
7	Piezoelectric nanogenerators for personalized healthcare. Chemical Society Reviews, 2022, 51, 3380-3435.	18.7	145
8	3DRefTransformer: Fine-Grained Object Identification in Real-World Scenes Using Natural Language. , 2022, , .		5
9	Thermogalvanic hydrogels for self-powered temperature monitoring in extreme environments. Journal of Materials Chemistry C, 2022, 10, 13789-13796.	2.7	19
10	A Deepâ€Learningâ€Assisted Onâ€Mask Sensor Network for Adaptive Respiratory Monitoring. Advanced Materials, 2022, 34, e2200252.	11.1	72
11	Machine-Learning-Assisted Recognition on Bioinspired Soft Sensor Arrays. ACS Nano, 2022, 16, 6734-6743.	7.3	49
12	Smart textiles for personalized healthcare. Nature Electronics, 2022, 5, 142-156.	13.1	307
13	Giant Magnetoelastic Effect Enabled Stretchable Sensor for Self-Powered Biomonitoring. ACS Nano, 2022, 16, 6013-6022.	7.3	59
14	Self-powered environmental monitoring via a triboelectric nanogenerator. Nano Energy, 2022, 98, 107282.	8.2	56
15	Bioinspired Anisotropic Slippery Cilia for Stiffness-Controllable Bubble Transport. ACS Nano, 2022, 16, 9348-9358.	7.3	19
16	A contextual framework development toward triboelectric nanogenerator commercialization. Nano Energy, 2022, 101, 107572.	8.2	21
17	Predicting candidate genes from phenotypes, functions and anatomical site of expression. Bioinformatics, 2021, 37, 853-860.	1.8	23
18	Advances in triboelectric nanogenerators for biomedical sensing. Biosensors and Bioelectronics, 2021, 171, 112714.	5.3	159

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19	Tailoring carbon nanomaterials via a molecular scissor. Nano Today, 2021, 36, 101033.	6.2	67
20	Wearable triboelectric nanogenerators for heart rate monitoring. Chemical Communications, 2021, 57, 5871-5879.	2.2	64
21	A Poriferous Nanoflake-Assembled Flower-Like Ni ₅ P ₄ Anode for High-Performance Sodium-Ion Batteries. Energy Material Advances, 2021, 2021, .	4.7	6
22	Smart textiles for personalized thermoregulation. Chemical Society Reviews, 2021, 50, 9357-9374.	18.7	184
23	Advances in self-powered chemical sensingviaa triboelectric nanogenerator. Nanoscale, 2021, 13, 2065-2081.	2.8	81
24	Advances in Nanostructures for Highâ€Performance Triboelectric Nanogenerators. Advanced Materials Technologies, 2021, 6, 2000916.	3.0	94
25	Muscle Fibers Inspired Highâ€Performance Piezoelectric Textiles for Wearable Physiological Monitoring. Advanced Functional Materials, 2021, 31, 2010962.	7.8	169
26	DeepViral: prediction of novel virusâ€“host interactions from protein sequences and infectious disease phenotypes. Bioinformatics, 2021, 37, 2722-2729.	1.8	35
27	Engineering bandgap of CsPbI3 over 1.7 eV with enhanced stability and transport properties. IScience, 2021, 24, 102235.	1.9	29
28	Leveraging triboelectric nanogenerators for bioengineering. Matter, 2021, 4, 845-887.	5.0	192
29	Textiles for learning tactile interactions. Nature Electronics, 2021, 4, 175-176.	13.1	76
30	Smart polyethylene textiles for radiative and evaporative cooling. Joule, 2021, 5, 752-754.	11.7	56
31	Wearable Triboelectric Nanogenerators for Therapeutics. Trends in Chemistry, 2021, 3, 279-290.	4.4	100
32	Triboelectric Nanogenerators for Therapeutic Electrical Stimulation. Advanced Materials, 2021, 33, e2007502.	11.1	92
33	Water-evaporation-induced intermolecular force for nano-wrinkled polymeric membrane. Cell Reports Physical Science, 2021, 2, 100441.	2.8	18
34	Nickel/Cobalt Molybdate Hollow Rods Induced by Structure and Defect Engineering as Exceptional Electrode Materials for Hybrid Supercapacitor. Chemistry - A European Journal, 2021, 27, 8337-8343.	1.7	20
35	A hand-driven portable triboelectric nanogenerator using whirligig spinning dynamics. Nano Energy, 2021, 83, 105845.	8.2	81
36	Single-atom catalysts with bimetallic centers for high-performance electrochemical CO2 reduction. Materials Today, 2021, 45, 54-61.	8.3	34

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37	Airâ€Stable Conductive Polymer Ink for Printed Wearable Microâ€Supercapacitors. Small, 2021, 17, e2100956.	5.2	51
38	Nanogenerators for smart cities in the era of 5G and Internet of Things. Joule, 2021, 5, 1391-1431.	11.7	261
39	Triboelectric Nanogenerators for Selfâ€Powered Wound Healing. Advanced Healthcare Materials, 2021, 10, e2100975.	3.9	64
40	Wearable Biosensors for Non-Invasive Sweat Diagnostics. Biosensors, 2021, 11, 245.	2.3	75
41	A fluorinated polymer sponge with superhydrophobicity for high-performance biomechanical energy harvesting. Nano Energy, 2021, 85, 106021.	8.2	55
42	Selfâ€Powered Respiration Monitoring Enabled By a Triboelectric Nanogenerator. Advanced Materials, 2021, 33, e2101262.	11.1	217
43	Ambulatory Cardiovascular Monitoring Via a Machineâ€Learningâ€Assisted Textile Triboelectric Sensor. Advanced Materials, 2021, 33, e2104178.	11.1	167
44	Multifunctional meta-tribomaterial nanogenerators for energy harvesting and active sensing. Nano Energy, 2021, 86, 106074.	8.2	43
45	A non-printed integrated-circuit textile for wireless theranostics. Nature Communications, 2021, 12, 4876.	5.8	76
46	Advances in Triboelectric Nanogenerators for Selfâ€Powered Regenerative Medicine. Advanced Functional Materials, 2021, 31, 2105169.	7.8	54
47	A portable triboelectric spirometer for wireless pulmonary function monitoring. Biosensors and Bioelectronics, 2021, 187, 113329.	5.3	83
48	Giant magnetoelastic effect in soft systems for bioelectronics. Nature Materials, 2021, 20, 1670-1676.	13.3	175
49	A Perovskiteâ€Based Photodetector with Enhanced Light Absorption, Heat Dissipation, and Humidity Stability. Advanced Photonics Research, 2021, 2, 2100123.	1.7	5
50	Triboelectric nanogenerators for self-powered drug delivery. Trends in Chemistry, 2021, 3, 765-778.	4.4	39
51	A turbine disk-type triboelectric nanogenerator for wind energy harvesting and self-powered wildfire pre-warning. Materials Today Energy, 2021, 22, 100867.	2.5	19
52	Textile Triboelectric Nanogenerators for Wearable Pulse Wave Monitoring. Trends in Biotechnology, 2021, 39, 1078-1092.	4.9	96
53	Textile triboelectric nanogenerators for self-powered biomonitoring. Journal of Materials Chemistry A, 2021, 9, 19149-19178.	5.2	55
54	Discovering giant magnetoelasticity in soft matter for electronic textiles. Matter, 2021, 4, 3725-3740.	5.0	94

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55	MoSe₂ Nanoflowers for Highly Efficient Industrial Wastewater Treatment with Zero Discharge. Advanced Science, 2021, 8, e2102857.	5.6	16
56	Wearable Ultrahigh Current Power Source Based on Giant Magnetoelastic Effect in Soft Elastomer System. ACS Nano, 2021, 15, 20582-20589.	7.3	43
57	Soft fibers with magnetoelasticity for wearable electronics. Nature Communications, 2021, 12, 6755.	5.8	150
58	Exploring Long Tail Visual Relationship Recognition with Large Vocabulary. , 2021, , .		12
59	Machine-Learning-Aided Self-Powered Assistive Physical Therapy Devices. ACS Nano, 2021, 15, 18633-18646.	7.3	53
60	Advances in 4Dâ€printed physiological monitoring sensors. Exploration, 2021, 1, .	5.4	25
61	A linear-to-rotary hybrid nanogenerator for high-performance wearable biomechanical energy harvesting. Nano Energy, 2020, 67, 104235.	8.2	172
62	3D-Printed Ultra-Robust Surface-Doped Porous Silicone Sensors for Wearable Biomonitoring. ACS Nano, 2020, 14, 1520-1532.	7.3	151
63	A self-powered solar-blind photodetector with largeV_{oc}enhancing performance based on the PEDOT:PSS/Ga₂O₃organicâ€“inorganic hybrid heterojunction. Journal of Materials Chemistry C, 2020, 8, 1292-1300.	2.7	94
64	Understanding the Ion-Sorption Dynamics in Functionalized Porous Carbons for Enhanced Capacitive Energy Storage. ACS Applied Materials & Interfaces, 2020, 12, 2773-2782.	4.0	17
65	Wearable triboelectric nanogenerators for biomechanical energy harvesting. Nano Energy, 2020, 77, 105303.	8.2	206
66	Designing hierarchical nanoporous membranes for highly efficient gas adsorption and storage. Science Advances, 2020, 6, .	4.7	41
67	Smart Insole for Robust Wearable Biomechanical Energy Harvesting in Harsh Environments. ACS Nano, 2020, 14, 14126-14133.	7.3	107
68	Leverage Surface Chemistry for High-Performance Triboelectric Nanogenerators. Frontiers in Chemistry, 2020, 8, 577327.	1.8	45
69	Carbon Nanotube Reinforced Strong Carbon Matrix Composites. ACS Nano, 2020, 14, 9282-9319.	7.3	89
70	Engineering Materials at the Nanoscale for Triboelectric Nanogenerators. Cell Reports Physical Science, 2020, 1, 100142.	2.8	130
71	Low-Cost and Nature-Friendly Hierarchical Porous Carbon for Enhanced Capacitive Electrochemical Energy Storage. ACS Applied Energy Materials, 2020, 3, 7246-7250.	2.5	22
72	Hollow IrCo Nanoparticles for High-Performance Overall Water Splitting in an Acidic Medium. ACS Applied Nano Materials, 2020, 3, 11916-11922.	2.4	16

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73	A wireless energy transmission enabled wearable active acetone biosensor for non-invasive prediabetes diagnosis. Nano Energy, 2020, 74, 104941.	8.2	193
74	Largely boosted methanol electrooxidation using ionic liquid/PdCu aerogels via interface engineering. Materials Horizons, 2020, 7, 2407-2413.	6.4	36
75	Single-layered ultra-soft washable smart textiles for all-around ballistocardiograph, respiration, and posture monitoring during sleep. Biosensors and Bioelectronics, 2020, 155, 112064.	5.3	233
76	Photo-Rechargeable Fabrics as Sustainable and Robust Power Sources for Wearable Bioelectronics. Matter, 2020, 2, 1260-1269.	5.0	204
77	Smart Textiles for Electricity Generation. Chemical Reviews, 2020, 120, 3668-3720.	23.0	644
78	Sign-to-speech translation using machine-learning-assisted stretchable sensor arrays. Nature Electronics, 2020, 3, 571-578.	13.1	513
79	An ultrathin robust polymer membrane for wearable solid-state electrochemical energy storage. Nano Energy, 2020, 76, 105179.	8.2	70
80	Manipulating Relative Permittivity for High-Performance Wearable Triboelectric Nanogenerators. Nano Letters, 2020, 20, 6404-6411.	4.5	231
81	Eco-Friendly Synthesis of Self-Supported N-Doped Sb₂S₃-Carbon Fibers with High Atom Utilization and Zero Discharge for Commercial Full Lithium-Ion Batteries. ACS Applied Energy Materials, 2020, 3, 6897-6906.	2.5	51
82	Ternary Electrification Layered Architecture for High-Performance Triboelectric Nanogenerators. ACS Nano, 2020, 14, 9050-9058.	7.3	88
83	An approaching-theoretical-capacity anode material for aqueous battery: Hollow hexagonal prism Bi2O3 assembled by nanoparticles. Energy Storage Materials, 2020, 28, 82-90.	9.5	109
84	A Wireless Textile-Based Sensor System for Self-Powered Personalized Health Care. Matter, 2020, 2, 896-907.	5.0	310
85	Highly fluorescent copper nanoclusters for sensing and bioimaging. Biosensors and Bioelectronics, 2020, 154, 112078.	5.3	130
86	Single-atom catalysts boost nitrogen electroreduction reaction. Materials Today, 2020, 38, 99-113.	8.3	52
87	Titanium-Doped P-Type WO3 Thin Films for Liquefied Petroleum Gas Detection. Nanomaterials, 2020, 10, 727.	1.9	17
88	Alveolus-Inspired Active Membrane Sensors for Self-Powered Wearable Chemical Sensing and Breath Analysis. ACS Nano, 2020, 14, 6067-6075.	7.3	271
89	Thermogalvanic Hydrogel for Synchronous Evaporative Cooling and Low-Grade Heat Energy Harvesting. Nano Letters, 2020, 20, 3791-3797.	4.5	154
90	Promoting Energy Efficiency via a Selfâ€Adaptive Evaporative Cooling Hydrogel. Advanced Materials, 2020, 32, e1907307.	11.1	151

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91	Revealing Molecular Mechanisms in Hierarchical Nanoporous Carbon via Nuclear Magnetic Resonance. Matter, 2020, 3, 2093-2107.	5.0	34
92	(Invited) Smart Textiles Towards Sustainable and Pervasive Energy Future. ECS Meeting Abstracts, 2020, MA2020-02, 1983-1983.	0.0	1
93	Triboelectric Nanogenerator Enabled Smart Shoes for Wearable Electricity Generation. Research, 2020, 2020, 7158953.	2.8	67
94	(Invited) Smart Textiles for Personalized Health Care. ECS Meeting Abstracts, 2020, MA2020-01, 1415-1415.	0.0	0
95	Flexible Weaving Constructed Selfâ€Powered Pressure Sensor Enabling Continuous Diagnosis of Cardiovascular Disease and Measurement of Cuffless Blood Pressure. Advanced Functional Materials, 2019, 29, 1806388.	7.8	297
96	Keystroke Dynamics Identification Based on Triboelectric Nanogenerator for Intelligent Keyboard Using Deep Learning Method. Advanced Materials Technologies, 2019, 4, 1800167.	3.0	57
97	Ultrathin, flexible, solid polymer composite electrolyte enabled with aligned nanoporous host for lithium batteries. Nature Nanotechnology, 2019, 14, 705-711.	15.6	773
98	Hexagonal boron nitride nanosheets doped pyroelectric ceramic composite for high-performance thermal energy harvesting. Nano Energy, 2019, 60, 144-152.	8.2	34
99	Multistaged discharge constructing heterostructure with enhanced solid-solution behavior for long-life lithium-oxygen batteries. Nature Communications, 2019, 10, 5810.	5.8	80
100	Nanoporous polyethylene microfibres for large-scale radiative cooling fabric. Nature Sustainability, 2018, 1, 105-112.	11.5	370
101	Shape Memory Polymers for Body Motion Energy Harvesting and Selfâ€Powered Mechanosensing. Advanced Materials, 2018, 30, 1705195.	11.1	249
102	A Universal Method to Engineer Metal Oxideâ€“Metalâ€“Carbon Interface for Highly Efficient Oxygen Reduction. ACS Nano, 2018, 12, 3042-3051.	7.3	125
103	Largeâ€Scale and Washable Smart Textiles Based on Triboelectric Nanogenerator Arrays for Selfâ€Powered Sleeping Monitoring. Advanced Functional Materials, 2018, 28, 1704112.	7.8	339
104	Epidermis-Inspired Ultrathin 3D Cellular Sensor Array for Self-Powered Biomedical Monitoring. ACS Applied Materials & Interfaces, 2018, 10, 41070-41075.	4.0	136
105	Tuning Cu/Cu₂O Interfaces for the Reduction of Carbon Dioxide to Methanol in Aqueous Solutions. Angewandte Chemie - International Edition, 2018, 57, 15415-15419.	7.2	175
106	Stretchable Lithium Metal Anode with Improved Mechanical and Electrochemical Cycling Stability. Joule, 2018, 2, 1857-1865.	11.7	132
107	Spectrally Selective Nanocomposite Textile for Outdoor Personal Cooling. Advanced Materials, 2018, 30, e1802152.	11.1	362
108	In Situ Direct Method To Massively Prepare Hydrophilic Porous Carbide-Derived Carbons for High-Performance Supercapacitors. ACS Applied Energy Materials, 2018, 1, 3544-3553.	2.5	45

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109	Progress in triboelectric nanogenerators as self-powered smart sensors. Journal of Materials Research, 2017, 32, 1628-1646.	1.2	150
110	Reviving Vibration Energy Harvesting and Self-Powered Sensing by a Triboelectric Nanogenerator. Joule, 2017, 1, 480-521.	11.7	748
111	Warming up human body by nanoporous metallized polyethylene textile. Nature Communications, 2017, 8, 496.	5.8	280
112	Stretchable Lithiumâ€Ion Batteries Enabled by Deviceâ€Scaled Wavy Structure and Elasticâ€Sticky Separator. Advanced Energy Materials, 2017, 7, 1701076.	10.2	158
113	Triboelectric Nanogenerator Enabled Body Sensor Network for Self-Powered Human Heart-Rate Monitoring. ACS Nano, 2017, 11, 8830-8837.	7.3	400
114	ESearch. , 2017, , .		0
115	Functional Nanomaterials for Sustainable Energy Technologies. Journal of Nanomaterials, 2016, 2016, 1-2.	1.5	5
116	Recent Progress in Triboelectric Nanogenerators as a Renewable and Sustainable Power Source. Journal of Nanomaterials, 2016, 2016, 1-24.	1.5	53
117	A Wearable Allâ€Solid Photovoltaic Textile. Advanced Materials, 2016, 28, 263-269.	11.1	254
118	Lawn Structured Triboelectric Nanogenerators for Scavenging Sweeping Wind Energy on Rooftops. Advanced Materials, 2016, 28, 1650-1656.	11.1	334
119	Broadband and three-dimensional vibration energy harvesting by a non-linear magnetoelectric generator. Applied Physics Letters, 2016, 109, .	1.5	54
120	Rotating-Disk-Based Hybridized Electromagneticâ€“Triboelectric Nanogenerator for Sustainably Powering Wireless Traffic Volume Sensors. ACS Nano, 2016, 10, 6241-6247.	7.3	277
121	Triboelectrification. Green Energy and Technology, 2016, , 1-19.	0.4	12
122	Hybrid Cell Composed of Triboelectric Nanogenerator. Green Energy and Technology, 2016, , 307-350.	0.4	1
123	Applications in Self-powered Systems and Processes. Green Energy and Technology, 2016, , 351-398.	0.4	4
124	Self-powered SensingSelf-Powered Sensing for Human-Machine InterfaceHuman-Machine Interface. Green Energy and Technology, 2016, , 401-429.	0.4	1
125	Self-powered Sensing for Vibration and Biomedical Monitoring. Green Energy and Technology, 2016, , 431-454.	0.4	2
126	Self-powered Sensing for Tracking Moving Objects. Green Energy and Technology, 2016, , 455-467.	0.4	1

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127	Triboelectric Nanogenerator: Vertical Contact-Separation Mode. Green Energy and Technology, 2016, , 23-47.	0.4	40
128	Triboelectric Nanogenerator: Freestanding Triboelectric-Layer Mode. Green Energy and Technology, 2016, , 109-153.	0.4	15
129	Theoretical Modeling of Triboelectric Nanogenerators. Green Energy and Technology, 2016, , 155-183.	0.4	6
130	Figure-of-Merits for Quantifying Triboelectric Nanogenerators. Green Energy and Technology, 2016, , 185-204.	0.4	2
131	Harvesting Vibration Energy. Green Energy and Technology, 2016, , 237-257.	0.4	0
132	A dual-electrolyte based air-breathing regenerative microfluidic fuel cell with 1.76 V open-circuit-voltage and 0.74 V water-splitting voltage. Nano Energy, 2016, 27, 619-626.	8.2	52
133	Triboelectric Nanogenerator: Single-Electrode Mode. Green Energy and Technology, 2016, , 91-107.	0.4	21
134	Triboelectric Nanogenerator: Lateral Sliding Mode. Green Energy and Technology, 2016, , 49-90.	0.4	20
135	Self-powered Sensing for Chemical and Environmental Detection. Green Energy and Technology, 2016, , 469-489.	0.4	0
136	Harvesting Large-Scale Blue Energy. Green Energy and Technology, 2016, , 283-306.	0.4	3
137	Triboelectric Nanogenerators. Green Energy and Technology, 2016, , .	0.4	176
138	Self-Powered Safety Helmet Based on Hybridized Nanogenerator for Emergency. ACS Nano, 2016, 10, 7874-7881.	7.3	179
139	Micro-cable structured textile for simultaneously harvesting solar and mechanical energy. Nature Energy, 2016, 1, .	19.8	879
140	Reduced graphene oxideâ€“polyethylene oxide hybrid films for toluene sensing at room temperature. RSC Advances, 2016, 6, 97840-97847.	1.7	41
141	Triboelectrificationâ€Enabled Selfâ€Powered Detection and Removal of Heavy Metal Ions in Wastewater. Advanced Materials, 2016, 28, 2983-2991.	11.1	204
142	One-step synthesis of hierarchically porous carbons for high-performance electric double layer supercapacitors. Journal of Power Sources, 2016, 315, 120-126.	4.0	118
143	High-efficiency ramie fiber degumming and self-powered degumming wastewater treatment using triboelectric nanogenerator. Nano Energy, 2016, 22, 548-557.	8.2	132
144	A Selfâ€Powered Angle Measurement Sensor Based on Triboelectric Nanogenerator. Advanced Functional Materials, 2015, 25, 2166-2174.	7.8	119

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145	A Hybridized Power Panel to Simultaneously Generate Electricity from Sunlight, Raindrops, and Wind around the Clock. Advanced Energy Materials, 2015, 5, 1501152.	10.2	174
146	An Ultrarobust High-Performance Triboelectric Nanogenerator Based on Charge Replenishment. ACS Nano, 2015, 9, 5577-5584.	7.3	135
147	Transparent and flexible barcode based on sliding electrification for self-powered identification systems. Nano Energy, 2015, 12, 278-286.	8.2	34
148	Î²-cyclodextrin enhanced triboelectrification for self-powered phenol detection and electrochemical degradation. Energy and Environmental Science, 2015, 8, 887-896.	15.6	192
149	Low temperature dependence of triboelectric effect for energy harvesting and self-powered active sensing. Applied Physics Letters, 2015, 106, .	1.5	51
150	Eardrumâ€Inspired Active Sensors for Selfâ€Powered Cardiovascular System Characterization and Throatâ€Attached Antiâ€Interference Voice Recognition. Advanced Materials, 2015, 27, 1316-1326.	11.1	487
151	Personalized Keystroke Dynamics for Self-Powered Humanâ€“Machine Interfacing. ACS Nano, 2015, 9, 105-116.	7.3	239
152	Networks of Triboelectric Nanogenerators for Harvesting Water Wave Energy: A Potential Approach toward Blue Energy. ACS Nano, 2015, 9, 3324-3331.	7.3	509
153	Blow-driven triboelectric nanogenerator as an active alcohol breath analyzer. Nano Energy, 2015, 16, 38-46.	8.2	255
154	A high-performance white-light-emitting-diodes based on nano-single crystal divanadates quantum dots. Scientific Reports, 2015, 5, 10460.	1.6	18
155	Progress in triboelectric nanogenerators as a new energy technology and self-powered sensors. Energy and Environmental Science, 2015, 8, 2250-2282.	15.6	1,723
156	Triboelectricâ€“Pyroelectricâ€“Piezoelectric Hybrid Cell for Highâ€Efficiency Energyâ€Harvesting and Selfâ€Powered Sensing. Advanced Materials, 2015, 27, 2340-2347.	11.1	397
157	Stretchableâ€Rubberâ€Based Triboelectric Nanogenerator and Its Application as Selfâ€Powered Body Motion Sensors. Advanced Functional Materials, 2015, 25, 3688-3696.	7.8	320
158	Ultrathin, Rollable, Paper-Based Triboelectric Nanogenerator for Acoustic Energy Harvesting and Self-Powered Sound Recording. ACS Nano, 2015, 9, 4236-4243.	7.3	419
159	Automatic Mode Transition Enabled Robust Triboelectric Nanogenerators. ACS Nano, 2015, 9, 12334-12343.	7.3	111
160	Two-dimensional rotary triboelectric nanogenerator as a portable and wearable power source for electronics. Nano Energy, 2015, 17, 10-16.	8.2	78
161	Triboelectric nanogenerators as a new energy technology: From fundamentals, devices, to applications. Nano Energy, 2015, 14, 126-138.	8.2	574
162	Broadband Vibrational Energy Harvesting Based on a Triboelectric Nanogenerator. Advanced Energy Materials, 2014, 4, 1301322.	10.2	280

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163	3D Stack Integrated Triboelectric Nanogenerator for Harvesting Vibration Energy. Advanced Functional Materials, 2014, 24, 4090-4096.	7.8	263
164	Radial-arrayed rotary electrification for high performance triboelectric generator. Nature Communications, 2014, 5, 3426.	5.8	734
165	Triboelectrification Based Motion Sensor for Human-Machine Interfacing. ACS Applied Materials & Interfaces, 2014, 6, 7479-7484.	4.0	162
166	Membraneâ€Based Selfâ€Powered Triboelectric Sensors for Pressure Change Detection and Its Uses in Security Surveillance and Healthcare Monitoring. Advanced Functional Materials, 2014, 24, 5807-5813.	7.8	250
167	Case-Encapsulated Triboelectric Nanogenerator for Harvesting Energy from Reciprocating Sliding Motion. ACS Nano, 2014, 8, 3836-3842.	7.3	137
168	Hybrid triboelectric nanogenerator for harvesting water wave energy and as a self-powered distress signal emitter. Nano Energy, 2014, 9, 186-195.	8.2	268
169	Self-Powered, Ultrasensitive, Flexible Tactile Sensors Based on Contact Electrification. Nano Letters, 2014, 14, 3208-3213.	4.5	405
170	Harvesting Water Wave Energy by Asymmetric Screening of Electrostatic Charges on a Nanostructured Hydrophobic Thin-Film Surface. ACS Nano, 2014, 8, 6031-6037.	7.3	471
171	Triboelectrification-Based Organic Film Nanogenerator for Acoustic Energy Harvesting and Self-Powered Active Acoustic Sensing. ACS Nano, 2014, 8, 2649-2657.	7.3	390
172	Triboelectric Sensor for Self-Powered Tracking of Object Motion inside Tubing. ACS Nano, 2014, 8, 3843-3850.	7.3	142
173	A Shapeâ€Adaptive Thinâ€Filmâ€Based Approach for 50% Highâ€Efficiency Energy Generation Through Microâ€Grating Sliding Electrification. Advanced Materials, 2014, 26, 3788-3796.	11.1	415
174	Triboelectric Nanogenerator for Harvesting Vibration Energy in Full Space and as Selfâ€Powered Acceleration Sensor. Advanced Functional Materials, 2014, 24, 1401-1407.	7.8	381
175	A hybrid energy cell for self-powered water splitting. Energy and Environmental Science, 2013, 6, 2429.	15.6	162
176	Triboelectric nanogenerator as self-powered active sensors for detecting liquid/gaseous water/ethanol. Nano Energy, 2013, 2, 693-701.	8.2	250
177	Power-generating shoe insole based on triboelectric nanogenerators for self-powered consumer electronics. Nano Energy, 2013, 2, 688-692.	8.2	292
178	Harmonicâ€Resonatorâ€Based Triboelectric Nanogenerator as a Sustainable Power Source and a Selfâ€Powered Active Vibration Sensor. Advanced Materials, 2013, 25, 6094-6099.	11.1	672
179	Human Skin Based Triboelectric Nanogenerators for Harvesting Biomechanical Energy and as Self-Powered Active Tactile Sensor System. ACS Nano, 2013, 7, 9213-9222.	7.3	667
180	Single-Electrode-Based Sliding Triboelectric Nanogenerator for Self-Powered Displacement Vector Sensor System. ACS Nano, 2013, 7, 7342-7351.	7.3	523

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181	Cylindrical Rotating Triboelectric Nanogenerator. ACS Nano, 2013, 7, 6361-6366.	7.3	249
182	Triboelectric nanogenerator built inside shoe insole for harvesting walking energy. Nano Energy, 2013, 2, 856-862.	8.2	337
183	Harvesting vibration energy by a triple-cantilever based triboelectric nanogenerator. Nano Research, 2013, 6, 880-886.	5.8	209
184	Triboelectric Nanogenerator for Harvesting Wind Energy and as Self-Powered Wind Vector Sensor System. ACS Nano, 2013, 7, 9461-9468.	7.3	524
185	Integrated Multilayered Triboelectric Nanogenerator for Harvesting Biomechanical Energy from Human Motions. ACS Nano, 2013, 7, 3713-3719.	7.3	538
186	Simultaneously harvesting mechanical and chemical energies by a hybrid cell for self-powered biosensors and personal electronics. Energy and Environmental Science, 2013, 6, 1744.	15.6	129
187	Linear-Grating Triboelectric Generator Based on Sliding Electrification. Nano Letters, 2013, 13, 2282-2289.	4.5	442
188	Harvesting Energy from the Natural Vibration of Human Walking. ACS Nano, 2013, 7, 11317-11324.	7.3	448
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