

A Flexible Multifunctional Triboelectric Nanogenerator

Advanced Functional Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Self-Powered Biosensor for Specifically Detecting Creatinine in Real Time Based on the Piezo-Enzymatic-Reaction Effect of Enzyme-Modified ZnO Nanowires. <i>Biosensors</i> , 2021, 11, 342.	4.7	10
2	Antiliquid-Interfering, Antibacteria, and Adhesive Wearable Strain Sensor Based on Superhydrophobic and Conductive Composite Hydrogel. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 46022-46032.	8.0	50
3	Fabrication-Assisted MXene/Silicone Nanocomposite-Based Triboelectric Nanogenerators for Self-Powered Sensors and Wearable Electronics. <i>Advanced Functional Materials</i> , 2022, 32, 2107143.	14.9	81
4	A Triboelectric Nanogenerator Based on Sodium Chloride Powder for Self-Powered Humidity Sensor. <i>Nanomaterials</i> , 2021, 11, 2657.	4.1	12
5	A Novel Triboelectric Material Based on Deciduous Leaf for Energy Harvesting. <i>Micromachines</i> , 2021, 12, 1314.	2.9	2
6	Advances in Inorganic Nanomaterials for Triboelectric Nanogenerators. <i>ACS Nanoscience Au</i> , 2022, 2, 12-31.	4.8	15
7	Natural rubber toughened carbon nanotube buckypaper and its multifunctionality in electromagnetic interference shielding, thermal conductivity, Joule heating and triboelectric nanogenerators. <i>Chemical Engineering Journal</i> , 2022, 433, 133499.	12.7	41
8	Highly sensitive self-powered pressure and strain sensor based on crumpled MXene film for wireless human motion detection. <i>Nano Energy</i> , 2022, 92, 106689.	16.0	76
9	Polyacrylamide/Copper-Alginate Double Network Hydrogel Electrolyte with Excellent Mechanical Properties and Strain Sensitivity. <i>Macromolecular Bioscience</i> , 2022, 22, e2100361.	4.1	17
10	Neuromorphic display system for intelligent display. <i>Nano Energy</i> , 2022, 94, 106931.	16.0	17
11	A review of the advances in composites/nanocomposites for triboelectric nanogenerators. <i>Nanotechnology</i> , 2022, 33, 212003.	2.6	14
12	Ultra-High Electrical Conductivity in Filler-Free Polymeric Hydrogels Toward Thermoelectrics and Electromagnetic Interference Shielding. <i>Advanced Materials</i> , 2022, 34, e2109904.	21.0	91
13	A textile-based triboelectric nanogenerator for long jump monitoring. <i>Materials Technology</i> , 2022, 37, 2360-2367.	3.0	8
14	An Overview on Recent Progress of the Hydrogels: From Material Resources, Properties, to Functional Applications. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100785.	3.9	36
15	Facile preparation of MXene and protonated-g-C ₃ N ₄ on natural latex foam for highly efficient solar steam generation. <i>Materials Letters</i> , 2022, 313, 131779.	2.6	23
16	Robust and flexible wearable generator driven by water evaporation for sustainable and portable self-power supply. <i>Chemical Engineering Journal</i> , 2022, 434, 134671.	12.7	19
17	Highly adhesive and self-healing β -PGA/PEDOT:PSS conductive hydrogels enabled by multiple hydrogen bonding for wearable electronics. <i>Nano Energy</i> , 2022, 95, 106991.	16.0	104
18	Stretchable freezing-tolerant triboelectric nanogenerator and strain sensor based on transparent, long-term stable, and highly conductive gelatin-based organohydrogel. <i>Nano Energy</i> , 2022, 95, 106967.	16.0	115

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19	Hydrogel-based triboelectric devices for energy-harvesting and wearable sensing applications. <i>Nano Energy</i> , 2022, 95, 106988.	16.0	29
20	2D Heterostructures for Ubiquitous Electronics and Optoelectronics: Principles, Opportunities, and Challenges. <i>Chemical Reviews</i> , 2022, 122, 6514-6613.	47.7	187
21	Chitosan for constructing stable polymer-inorganic suspensions and multifunctional membranes for wound healing. <i>Carbohydrate Polymers</i> , 2022, 285, 119209.	10.2	15
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25	Dyeing-Inspired Sustainable and Low-Cost Modified Cellulose-Based TENG for Energy Harvesting and Sensing. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 3909-3919.	6.7	19
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27	Lightweight and flexible MXene/carboxymethyl cellulose aerogel for electromagnetic shielding, energy harvest and self-powered sensing. <i>Nano Energy</i> , 2022, 98, 107229.	16.0	78
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34	Self-Powered Force Sensors for Multidimensional Tactile Sensing. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 20122-20131.	8.0	35
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