

Hua Yu

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,124
citations

759233

12
h-index

888059

17
g-index

23
all docs

23
docs citations

23
times ranked

1421
citing authors

#	ARTICLE	IF	CITATIONS
1	A method of measuring weak-charge of self-powered sensors based on triboelectric nanogenerator. Nano Energy, 2022, 95, 106997.	16.0	5
2	Regulating the high-voltage and high-impedance characteristics of triboelectric nanogenerator toward practical self-powered sensors. Nano Energy, 2021, 87, 106137.	16.0	21
3	A blockchain-based preserving and sharing system for medical data privacy. Future Generation Computer Systems, 2021, 124, 338-350.	7.5	54
4	Simultaneous energy harvesting and signal sensing from a single triboelectric nanogenerator for intelligent self-powered wireless sensing systems. Nano Energy, 2020, 75, 104813.	16.0	55
5	Enhancing the Output Performance of Triboelectric Nanogenerator via Gratingâ€Electrodeâ€Enabled Surface Plasmon Excitation. Advanced Energy Materials, 2019, 9, 1902725.	19.5	45
6	Triboelectric Nanogenerators: Enhancing the Output Performance of Triboelectric Nanogenerator via Gratingâ€Electrodeâ€Enabled Surface Plasmon Excitation (Adv. Energy Mater. 44/2019). Advanced Energy Materials, 2019, 9, 1970177.	19.5	4
7	Bias Controller of Machâ€Zehnder Modulator for Electro-Optic Analog-to-Digital Converter. Micromachines, 2019, 10, 800.	2.9	9
8	Self-Powered Wind Sensor System for Detecting Wind Speed and Direction Based on a Triboelectric Nanogenerator. ACS Nano, 2018, 12, 3954-3963.	14.6	224
9	A Self-Powered Engine Health Monitoring System Based on L-Shaped Wideband Piezoelectric Energy Harvester. Micromachines, 2018, 9, 629.	2.9	14
10	A Hierarchically Nanostructured Cellulose Fiberâ€Based Triboelectric Nanogenerator for Selfâ€Powered Healthcare Products. Advanced Functional Materials, 2018, 28, 1805540.	14.9	180
11	An Adaptable Interface Conditioning Circuit Based on Triboelectric Nanogenerators for Self-Powered Sensors. Micromachines, 2018, 9, 105.	2.9	8
12	A Selfâ€Powered Dynamic Displacement Monitoring System Based on Triboelectric Accelerometer. Advanced Energy Materials, 2017, 7, 1700565.	19.5	117
13	A Potential Role of Esophageal Cancer Related Gene-4 for Atrial Fibrillation. Scientific Reports, 2017, 7, 2717.	3.3	9
14	An ultrathin paper-based self-powered system for portable electronics and wireless human-machine interaction. Nano Energy, 2017, 39, 328-336.	16.0	134
15	Design of power management ASIC for piezoelectric energy harvester. , 2016, , .		0
16	A hybrid micro vibration energy harvester with power management circuit. Microelectronic Engineering, 2015, 131, 36-42.	2.4	30
17	A Hybrid Indoor Ambient Light and Vibration Energy Harvester for Wireless Sensor Nodes. Sensors, 2014, 14, 8740-8755.	3.8	26
18	A new hybrid piezoelectric-electromagnetic micro vibration energy harvester. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
19	A Vibration-Based MEMS Piezoelectric Energy Harvester and Power Conditioning Circuit. Sensors, 2014, 14, 3323-3341.	3.8	161
20	Design of power management chip for piezoelectric energy harvesting. , 2014, , .		2
21	Power management and energy harvesting for indoor photovoltaic cells system. , 2011, , .		7
22	An ultra-low input voltage power management circuit for indoor micro-light energy harvesting system. , 2010, , .		7
23	An ultra-low input voltage DC-DC boost converter for micro-energy harvesting system. , 2010, , .		7