

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
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888059

17
g-index

23
all docs

23
docs citations

23
times ranked

1421
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | A Hierarchically Nanostructured Cellulose Fiber-Based Triboelectric Nanogenerator for Self-Powered Healthcare Products. Advanced Functional Materials, 2018, 28, 1805540. | 14.9 | 180 |
| 3 | A Vibration-Based MEMS Piezoelectric Energy Harvester and Power Conditioning Circuit. Sensors, 2014, 14, 3323-3341. | 3.8 | 161 |
| 4 | An ultrathin paper-based self-powered system for portable electronics and wireless human-machine interaction. Nano Energy, 2017, 39, 328-336. | 16.0 | 134 |
| 5 | A Self-Powered Dynamic Displacement Monitoring System Based on Triboelectric Accelerometer. Advanced Energy Materials, 2017, 7, 1700565. | 19.5 | 117 |
| 6 | 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 |
| 7 | A blockchain-based preserving and sharing system for medical data privacy. Future Generation Computer Systems, 2021, 124, 338-350. | 7.5 | 54 |
| 8 | Enhancing the Output Performance of Triboelectric Nanogenerator via Grating-Enabled Surface Plasmon Excitation. Advanced Energy Materials, 2019, 9, 1902725. | 19.5 | 45 |
| 9 | A hybrid micro vibration energy harvester with power management circuit. Microelectronic Engineering, 2015, 131, 36-42. | 2.4 | 30 |
| 10 | A Hybrid Indoor Ambient Light and Vibration Energy Harvester for Wireless Sensor Nodes. Sensors, 2014, 14, 8740-8755. | 3.8 | 26 |
| 11 | Regulating the high-voltage and high-impedance characteristics of triboelectric nanogenerator toward practical self-powered sensors. Nano Energy, 2021, 87, 106137. | 16.0 | 21 |
| 12 | A Self-Powered Engine Health Monitoring System Based on L-Shaped Wideband Piezoelectric Energy Harvester. Micromachines, 2018, 9, 629. | 2.9 | 14 |
| 13 | A Potential Role of Esophageal Cancer Related Gene-4 for Atrial Fibrillation. Scientific Reports, 2017, 7, 2717. | 3.3 | 9 |
| 14 | Bias Controller of Mach-Zehnder Modulator for Electro-Optic Analog-to-Digital Converter. Micromachines, 2019, 10, 800. | 2.9 | 9 |
| 15 | An Adaptable Interface Conditioning Circuit Based on Triboelectric Nanogenerators for Self-Powered Sensors. Micromachines, 2018, 9, 105. | 2.9 | 8 |
| 16 | An ultra-low input voltage power management circuit for indoor micro-light energy harvesting system. , 2010, , . | | 7 |
| 17 | An ultra-low input voltage DC-DC boost converter for micro-energy harvesting system. , 2010, , . | | 7 |
| 18 | Power management and energy harvesting for indoor photovoltaic cells system. , 2011, , . | | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | A new hybrid piezoelectric-electromagnetic micro vibration energy harvester. , 2014, , . | | 5 |
| 20 | A method of measuring weak-charge of self-powered sensors based on triboelectric nanogenerator. Nano Energy, 2022, 95, 106997. | 16.0 | 5 |
| 21 | 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 |
| 22 | Design of power management chip for piezoelectric energy harvesting. , 2014, , . | | 2 |
| 23 | Design of power management ASIC for piezoelectric energy harvester. , 2016, , . | | 0 |