

Feng Ben Xi

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,342
citations

623734

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888059

17
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19
docs citations

19
times ranked

1338
citing authors

#	ARTICLE	IF	CITATIONS
1	Universal power management strategy for triboelectric nanogenerator. <i>Nano Energy</i> , 2017, 37, 168-176.	16.0	312
2	Stretchable Triboelectricâ€“Photonic Smart Skin for Tactile and Gesture Sensing. <i>Advanced Materials</i> , 2018, 30, e1800066.	21.0	205
3	Triboelectric Nanogenerator Networks Integrated with Power Management Module for Water Wave Energy Harvesting. <i>Advanced Functional Materials</i> , 2019, 29, 1807241.	14.9	190
4	Self-powered intelligent buoy system by water wave energy for sustainable and autonomous wireless sensing and data transmission. <i>Nano Energy</i> , 2019, 61, 1-9.	16.0	153
5	Compressible hexagonal-structured triboelectric nanogenerators for harvesting tire rotation energy. <i>Extreme Mechanics Letters</i> , 2018, 18, 1-8.	4.1	96
6	Flexible Organic Tribotronic Transistor for Pressure and Magnetic Sensing. <i>ACS Nano</i> , 2017, 11, 11566-11573.	14.6	74
7	An alginate film-based degradable triboelectric nanogenerator. <i>RSC Advances</i> , 2018, 8, 6719-6726.	3.6	64
8	Interdigitated Electrodeâ€“Based Triboelectric Sliding Sensor for Security Monitoring. <i>Advanced Materials Technologies</i> , 2018, 3, 1800189.	5.8	50
9	Artificial Synapses Based on Ferroelectric Schottky Barrier Field-Effect Transistors for Neuromorphic Applications. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32005-32012.	8.0	43
10	Selfâ€“Powered Hall Vehicle Sensors Based on Triboelectric Nanogenerators. <i>Advanced Materials Technologies</i> , 2018, 3, 1800140.	5.8	32
11	Flexure hinges based triboelectric nanogenerator by 3D printing. <i>Extreme Mechanics Letters</i> , 2018, 20, 38-45.	4.1	31
12	Soft Tubular Triboelectric Nanogenerator for Biomechanical Energy Harvesting. <i>Advanced Sustainable Systems</i> , 2018, 2, 1800081.	5.3	30
13	Embedded Triboelectric Active Sensors for Real-Time Pneumatic Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32352-32358.	8.0	22
14	Tribotronic bipolar junction transistor for mechanical frequency monitoring and use as touch switch. <i>Microsystems and Nanoengineering</i> , 2018, 4, 25.	7.0	16
15	Liquid Metal Gated Tribotronic Transistors as an Electronic Gradiometer for Angle Measurement. <i>Advanced Electronic Materials</i> , 2018, 4, 1800269.	5.1	14
16	Characterization of fully silicided source/drain SOI UTBB nMOSFETs at cryogenic temperatures. <i>Solid-State Electronics</i> , 2022, 192, 108263.	1.4	5
17	Cryogenic characteristics of UTBB SOI Schottky-Barrier MOSFETs. <i>Solid-State Electronics</i> , 2022, 194, 108351.	1.4	3
18	4-Terminal Ferroelectric Schottky Barrier Field Effect Transistors as Artificial Synapses. , 2021, , .		2