

Feng Ben Xi

List of Publications by Year in descending order

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18
papers

1,342
citations

623734

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888059

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19
docs citations

19
times ranked

1338
citing authors

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