Zongming Su

List of Publications by Year
in descending order

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33 papers	2,424 citations	236925 25 h-index	501196 28 g-index
33 all docs	33 docs citations	33 times ranked	2923 citing authors

#	Article	IF	Citations
1	Highly Compressible Integrated Supercapacitorâ€“Piezoresistanceâ€Sensor System with CNTâ€“PDMS Sponge for Health Monitoring. Small, 2017, 13, 1702091.	10.0	261
2	Flexible fiber-based hybrid nanogenerator for biomechanical energy harvesting and physiological monitoring. Nano Energy, 2017, 38, 43-50.	16.0	201
3	High efficiency power management and charge boosting strategy for a triboelectric nanogenerator. Nano Energy, 2017, 38, 438-446.	16.0	174
4	Self-Powered Analogue Smart Skin. ACS Nano, 2016, 10, 4083-4091.	14.6	153
5	Omnidirectional Bending and Pressure Sensor Based on Stretchable CNT-PU Sponge. Advanced Functional Materials, 2017, 27, 1604434.	14.9	148
6	Single-Step Fluorocarbon Plasma Treatment-Induced Wrinkle Structure for High-Performance Triboelectric Nanogenerator. Small, 2016, 12, 229-236.	10.0	134
7	Hybrid porous micro structured finger skin inspired self-powered electronic skin system for pressure sensing and sliding detection. Nano Energy, 2018, 51, 496-503.	16.0	131
8	Wearable electrode-free triboelectric generator for harvesting biomechanical energy. Nano Energy, 2015, 12, 19-25.	16.0	127
9	Fingertip-inspired electronic skin based on triboelectric sliding sensing and porous piezoresistive pressure detection. Nano Energy, 2017, 40, 65-72.	16.0	120
10	Integrated self-charging power unit with flexible supercapacitor and triboelectric nanogenerator. Journal of Materials Chemistry A, 2016, 4, 14298-14306.	10.3	117
11	A wave-shaped hybrid piezoelectric and triboelectric nanogenerator based on P(VDF-TrFE) nanofibers. Nanoscale, 2017, 9, 1263-1270.	5.6	111
12	High performance triboelectric nanogenerators with aligned carbon nanotubes. Nanoscale, 2016, 8, 18489-18494.	5.6	107
13	Selfâ€Powered Noncontact Electronic Skin for Motion Sensing. Advanced Functional Materials, 2018, 28, 1704641.	14.9	83
14	Waterproof and stretchable triboelectric nanogenerator for biomechanical energy harvesting and self-powered sensing. Applied Physics Letters, 2018, 112, .	3.3	67
15	Hybrid generator based on freestanding magnet as all-direction in-plane energy harvester and vibration sensor. Nano Energy, 2018, 49, 51-58.	16.0	63
16	All-fabric-based wearable self-charging power cloth. Applied Physics Letters, 2017, 111, .	3.3	62
17	Controlled fabrication of nanoscale wrinkle structure by fluorocarbon plasma for highly transparent triboelectric nanogenerator. Microsystems and Nanoengineering, 2017, 3, 16074.	7.0	54
18	Self-powered digital-analog hybrid electronic skin for noncontact displacement sensing. Nano Energy, 2019, 58, 121-129.	16.0	48

#	Article	IF	Citations
19	Asymmetrical Triboelectric Nanogenerator with Controllable Direct Electrostatic Discharge. Advanced Functional Materials, 2016, 26, 5524-5533.	14.9	43
20	Electrification based devices with encapsulated liquid for energy harvesting, multifunctional sensing, and self-powered visualized detection. Journal of Materials Chemistry A, 2015, 3, 7382-7388.	10.3	39
21	Fabric-based self-powered noncontact smart gloves for gesture recognition. Journal of Materials Chemistry A, 2018, 6, 20277-20288.	10.3	36
22	A flexible large-area triboelectric generator by low-cost roll-to-roll process for location-based monitoring. Sensors and Actuators A: Physical, 2016, 247, 206-214.	4.1	35
23	Digitalized self-powered strain gauge for static and dynamic measurement. Nano Energy, 2017, 42, 129-137.	16.0	31
24	Wide Range Fabrication of Wrinkle Patterns for Maximizing Surface Charge Density of a Triboelectric Nanogenerator. Journal of Microelectromechanical Systems, 2018, 27, 106-112.	2.5	31
25	Microsphereâ€Assisted Robust Epidermal Strain Gauge for Static and Dynamic Gesture Recognition. Small, 2017, 13, 1702108.	10.0	26
26	Highly compressionâ€tolerant folded carbon nanotube/paper as solidâ€state supercapacitor electrode. Micro and Nano Letters, 2016, 11, 586-590.	1.3	12
27	Fabrication of silicon hierarchical nanopillar arrays based on nanosphere lithography. Micro and Nano Letters, 2014, 9, 655-659.	1.3	3
28	Jagged discharge electrodes powered by triboelectric generator. Micro and Nano Letters, 2015, 10, 537-540.	1.3	2
29	Fingerprint-inspired triboelectrific sliding sensor. , 2018, , .		2
30	Self-assembly of colloid nano particle by evaporation-induced method. , 2014, , .		1
31	Triboelectrification based active sensor for liquid flow and bubble detetecting. , 2017, , .		1
32	Bioinspired microporous elastomer with enhanced and tunable stretchability for strain sensing device. , 2017, , .		1
33	Freestanding solid-state micro-supercapacitor based on laser-patterned nanofibers. , 2017, , .		0