

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
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33
all docs

33
docs citations

33
times ranked

2923
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-powered digital-analog hybrid electronic skin for noncontact displacement sensing. Nano Energy, 2019, 58, 121-129.	16.0	48
2	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
3	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
4	Self-Powered Noncontact Electronic Skin for Motion Sensing. Advanced Functional Materials, 2018, 28, 1704641.	14.9	83
5	Fabric-based self-powered noncontact smart gloves for gesture recognition. Journal of Materials Chemistry A, 2018, 6, 20277-20288.	10.3	36
6	Waterproof and stretchable triboelectric nanogenerator for biomechanical energy harvesting and self-powered sensing. Applied Physics Letters, 2018, 112, .	3.3	67
7	Fingerprint-inspired triboelectric sliding sensor. , 2018, , .		2
8	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
9	Controlled fabrication of nanoscale wrinkle structure by fluorocarbon plasma for highly transparent triboelectric nanogenerator. Microsystems and Nanoengineering, 2017, 3, 16074.	7.0	54
10	Freestanding solid-state micro-supercapacitor based on laser-patterned nanofibers. , 2017, , .		0
11	Triboelectrification based active sensor for liquid flow and bubble detecting. , 2017, , .		1
12	Bioinspired microporous elastomer with enhanced and tunable stretchability for strain sensing device. , 2017, , .		1
13	Flexible fiber-based hybrid nanogenerator for biomechanical energy harvesting and physiological monitoring. Nano Energy, 2017, 38, 43-50.	16.0	201
14	High efficiency power management and charge boosting strategy for a triboelectric nanogenerator. Nano Energy, 2017, 38, 438-446.	16.0	174
15	Omnidirectional Bending and Pressure Sensor Based on Stretchable CNT-PU Sponge. Advanced Functional Materials, 2017, 27, 1604434.	14.9	148
16	A wave-shaped hybrid piezoelectric and triboelectric nanogenerator based on P(VDF-TrFE) nanofibers. Nanoscale, 2017, 9, 1263-1270.	5.6	111
17	Digitalized self-powered strain gauge for static and dynamic measurement. Nano Energy, 2017, 42, 129-137.	16.0	31
18	Microsphere-Assisted Robust Epidermal Strain Gauge for Static and Dynamic Gesture Recognition. Small, 2017, 13, 1702108.	10.0	26

#	ARTICLE	IF	CITATIONS
19	Fingertip-inspired electronic skin based on triboelectric sliding sensing and porous piezoresistive pressure detection. <i>Nano Energy</i> , 2017, 40, 65-72.	16.0	120
20	All-fabric-based wearable self-charging power cloth. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	62
21	Highly Compressible Integrated Supercapacitorâ€“Piezoresistanceâ€“Sensor System with CNTâ€“PDMS Sponge for Health Monitoring. <i>Small</i> , 2017, 13, 1702091.	10.0	261
22	Asymmetrical Triboelectric Nanogenerator with Controllable Direct Electrostatic Discharge. <i>Advanced Functional Materials</i> , 2016, 26, 5524-5533.	14.9	43
23	Single-Step Fluorocarbon Plasma Treatment-Induced Wrinkle Structure for High-Performance Triboelectric Nanogenerator. <i>Small</i> , 2016, 12, 229-236.	10.0	134
24	High performance triboelectric nanogenerators with aligned carbon nanotubes. <i>Nanoscale</i> , 2016, 8, 18489-18494.	5.6	107
25	Highly compressionâ€“tolerant folded carbon nanotube/paper as solidâ€“state supercapacitor electrode. <i>Micro and Nano Letters</i> , 2016, 11, 586-590.	1.3	12
26	Integrated self-charging power unit with flexible supercapacitor and triboelectric nanogenerator. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14298-14306.	10.3	117
27	A flexible large-area triboelectric generator by low-cost roll-to-roll process for location-based monitoring. <i>Sensors and Actuators A: Physical</i> , 2016, 247, 206-214.	4.1	35
28	Self-Powered Analogue Smart Skin. <i>ACS Nano</i> , 2016, 10, 4083-4091.	14.6	153
29	Electrification based devices with encapsulated liquid for energy harvesting, multifunctional sensing, and self-powered visualized detection. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7382-7388.	10.3	39
30	Jagged discharge electrodes powered by triboelectric generator. <i>Micro and Nano Letters</i> , 2015, 10, 537-540.	1.3	2
31	Wearable electrode-free triboelectric generator for harvesting biomechanical energy. <i>Nano Energy</i> , 2015, 12, 19-25.	16.0	127
32	Self-assembly of colloid nano particle by evaporation-induced method. , 2014, , .		1
33	Fabrication of silicon hierarchical nanopillar arrays based on nanosphere lithography. <i>Micro and Nano Letters</i> , 2014, 9, 655-659.	1.3	3