

Junqing Zhao

List of Publications by Year in descending order

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24
papers

1,292
citations

404762

18
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563864

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all docs

25
docs citations

25
times ranked

1924
citing authors

#	ARTICLE	IF	CITATIONS
1	Stretchable Triboelectric-Photonic Smart Skin for Tactile and Gesture Sensing. <i>Advanced Materials</i> , 2018, 30, e1800066.	24.3	214
2	Remarkable merits of triboelectric nanogenerator than electromagnetic generator for harvesting small-amplitude mechanical energy. <i>Nano Energy</i> , 2019, 61, 111-118.	16.5	155
3	Tribovoltaic Effect on Metal-Semiconductor Interface for Direct-Current Low-Impedance Triboelectric Nanogenerators. <i>Advanced Energy Materials</i> , 2020, 10, 1903713.	22.2	125
4	Compressible hexagonal-structured triboelectric nanogenerators for harvesting tire rotation energy. <i>Extreme Mechanics Letters</i> , 2018, 18, 1-8.	4.2	102
5	Flexible Organic Tribotronic Transistor for Pressure and Magnetic Sensing. <i>ACS Nano</i> , 2017, 11, 11566-11573.	15.3	79
6	Ultrasensitive Multiplexed Immunoassay for Tumor Biomarkers Based on DNA Hybridization Chain Reaction Amplifying Signal. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6898-6904.	8.3	72
7	Mechanosensation-Active Matrix Based on Direct-Contact Tribotronic Planar Graphene Transistor Array. <i>ACS Nano</i> , 2018, 12, 9381-9389.	15.3	66
8	Interdigitated Electrode-Based Triboelectric Sliding Sensor for Security Monitoring. <i>Advanced Materials Technologies</i> , 2018, 3, 1800189.	6.2	53
9	Simultaneous electrochemical detection of multiple biomarkers using gold nanoparticles decorated multiwall carbon nanotubes as signal enhancers. <i>Analytical Biochemistry</i> , 2015, 482, 48-54.	2.5	47
10	Horseradish peroxidase functionalized gold nanorods as a label for sensitive electrochemical detection of alpha-fetoprotein antigen. <i>Analytical Biochemistry</i> , 2015, 491, 58-64.	2.5	41
11	Vibrational Triboelectric Nanogenerator-Based Multinode Self-Powered Sensor Network for Machine Fault Detection. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020, 25, 2188-2196.	6.1	39
12	Tribotronics for Active Mechanosensation and Self-Powered Microsystems. <i>Advanced Functional Materials</i> , 2019, 29, 1808114.	16.5	36
13	A self-powered and high-voltage-isolated organic optical communication system based on triboelectric nanogenerators and solar cells. <i>Nano Energy</i> , 2019, 56, 391-399.	16.5	35
14	Flexure hinges based triboelectric nanogenerator by 3D printing. <i>Extreme Mechanics Letters</i> , 2018, 20, 38-45.	4.2	33
15	Self-Powered Hall Vehicle Sensors Based on Triboelectric Nanogenerators. <i>Advanced Materials Technologies</i> , 2018, 3, 1800140.	6.2	33
16	Intrinsically Stretchable Organic-Tribotronic-Transistor for Tactile Sensing. <i>Research</i> , 2020, 2020, 1398903.	5.9	33
17	Simultaneous electrochemical immunosensing of alpha-fetoprotein and prostate specific antigen using a glassy carbon electrode modified with gold nanoparticle-coated silica nanospheres and decorated with Azure A or ferrocenecarboxylic acid. <i>Mikrochimica Acta</i> , 2015, 182, 2435-2442.	5.2	24
18	Tribotronic bipolar junction transistor for mechanical frequency monitoring and use as touch switch. <i>Microsystems and Nanoengineering</i> , 2018, 4, 25.	7.2	18

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19	Material Recognition Sensor Array by Electrostatic Induction and Triboelectric Effects. <i>Advanced Materials Technologies</i> , 2020, 5, 2000641.	6.2	18
20	Electrochemical detection of two tumor markers based on functionalized polypyrrole microspheres as immunoprobes. <i>RSC Advances</i> , 2016, 6, 31448-31453.	3.7	15
21	Liquid Metal Gated Tribotronic Transistors as an Electronic Gradiometer for Angle Measurement. <i>Advanced Electronic Materials</i> , 2018, 4, 1800269.	5.4	14
22	Triboelectric Nanogenerators as Active Tactile Stimulators for Multifunctional Sensing and Artificial Synapses. <i>Sensors</i> , 2022, 22, 975.	4.0	14
23	Simultaneous fluoroimmunoassay of two tumor markers based on CdTe quantum dots and gold nanocluster coated-silica nanospheres as labels. <i>RSC Advances</i> , 2015, 5, 105992-105998.	3.7	13
24	Self-Powered and Autonomous Vibrational Wake-Up System Based on Triboelectric Nanogenerators and MEMS Switch. <i>Sensors</i> , 2022, 22, 3752.	4.0	12