

Tianming Zhao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2243922/publications.pdf>

Version: 2024-02-01

30
papers

795
citations

430442

18
h-index

500791

28
g-index

30
all docs

30
docs citations

30
times ranked

583
citing authors

#	ARTICLE	IF	CITATIONS
1	Sea Urchin-like Si@MnO ₂ @rGO as Anodes for High-Performance Lithium-Ion Batteries. <i>Nanomaterials</i> , 2022, 12, 285.	1.9	9
2	Wearable biosensors for real-time sweat analysis and body motion capture based on stretchable fiber-based triboelectric nanogenerators. <i>Biosensors and Bioelectronics</i> , 2022, 205, 114115.	5.3	76
3	A Stretchable and Self-Healing Hybrid Nano-Generator for Human Motion Monitoring. <i>Nanomaterials</i> , 2022, 12, 104.	1.9	32
4	Alcohol Sensor Based on Surface Plasmon Resonance of ZnO Nanoflowers/Au Structure. <i>Materials</i> , 2022, 15, 189.	1.3	14
5	A Flexible Lightweight Triboelectric Nanogenerator for Protector and Scoring System in Taekwondo Competition Monitoring. <i>Electronics (Switzerland)</i> , 2022, 11, 1306.	1.8	20
6	A Flexible TENG Based on Micro-Structure Film for Speed Skating Techniques Monitoring and Biomechanical Energy Harvesting. <i>Nanomaterials</i> , 2022, 12, 1576.	1.9	18
7	Nanogenerator-Based Wireless Intelligent Motion Correction System for Storing Mechanical Energy of Human Motion. <i>Sustainability</i> , 2022, 14, 6944.	1.6	11
8	Flexible nanosensors for non-invasive creatinine detection based on triboelectric nanogenerator and enzymatic reaction. <i>Sensors and Actuators A: Physical</i> , 2021, 320, 112585.	2.0	28
9	A Self-Powered Portable Flexible Sensor of Monitoring Speed Skating Techniques. <i>Biosensors</i> , 2021, 11, 108.	2.3	18
10	A Portable and Flexible Self-Powered Multifunctional Sensor for Real-Time Monitoring in Swimming. <i>Biosensors</i> , 2021, 11, 147.	2.3	22
11	A Self-Powered Flexible Biosensor for Human Exercise Intensity Monitoring. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2021, 16, 699-706.	0.1	7
12	High piezo-photocatalytic efficiency of H ₂ production by CuS/ZnO nanostructure under solar and ultrasonic exposure. <i>Materials Letters</i> , 2021, 294, 129752.	1.3	11
13	An Effective Self-Powered Piezoelectric Sensor for Monitoring Basketball Skills. <i>Sensors</i> , 2021, 21, 5144.	2.1	11
14	Bidirectional modulation of neural plasticity by self-powered neural stimulation. <i>Nano Energy</i> , 2021, 85, 106006.	8.2	15
15	Portable Mobile Gait Monitor System Based on Triboelectric Nanogenerator for Monitoring Gait and Powering Electronics. <i>Energies</i> , 2021, 14, 4996.	1.6	20
16	Self-Powered Biosensor for Specifically Detecting Creatinine in Real Time Based on the Piezo-Enzymatic-Reaction Effect of Enzyme-Modified ZnO Nanowires. <i>Biosensors</i> , 2021, 11, 342.	2.3	10
17	Self-Powered Flexible Sour Sensor for Detecting Ascorbic Acid Concentration Based on Triboelectrification/Enzymatic-Reaction Coupling Effect. <i>Sensors</i> , 2021, 21, 373.	2.1	9
18	A Flexible and Stretchable Self-Powered Nanogenerator in Basketball Passing Technology Monitoring. <i>Electronics (Switzerland)</i> , 2021, 10, 2584.	1.8	9

#	ARTICLE	IF	CITATIONS
19	A Self-Powered Biosensor for Monitoring Maximal Lactate Steady State in Sport Training. <i>Biosensors</i> , 2020, 10, 75.	2.3	34
20	Wearable Battery-Free Perspiration Analyzing Sites Based on Sweat Flowing on ZnO Nanoarrays. <i>Nano-Micro Letters</i> , 2020, 12, 105.	14.4	30
21	A self-powered flexible-vision electronic skin based on piezophototronic GaN nanowires for rapid image recognition. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 155501.	1.3	4
22	A self-powered gas sensor based on PDMS/Ppy triboelectric-gas-sensing arrays for the real-time monitoring of automotive exhaust gas at room temperature. <i>Science China Materials</i> , 2019, 62, 1433-1444.	3.5	37
23	A water-evaporation-induced self-charging hybrid power unit for application in the Internet of Things. <i>Science Bulletin</i> , 2019, 64, 1409-1417.	4.3	51
24	A self-powered temperature-sensitive electronic-skin based on tribotronic effect of PDMS/PANI nanostructures. <i>Journal of Materials Science and Technology</i> , 2019, 35, 2187-2193.	5.6	20
25	A self-powered biosensing electronic-skin for real-time sweat Ca^{2+} detection and wireless data transmission. <i>Smart Materials and Structures</i> , 2019, 28, 085015.	1.8	29
26	A self-powered wearable sweat-evaporation-biosensing analyzer for building sports big data. <i>Nano Energy</i> , 2019, 59, 754-761.	8.2	116
27	Self-powered gustation electronic skin for mimicking taste buds based on piezoelectric-enzymatic reaction coupling process. <i>Nanotechnology</i> , 2018, 29, 075501.	1.3	28
28	A self-powered brain-linked biosensing electronic-skin for actively tasting beverage and its potential application in artificial gustation. <i>Nanoscale</i> , 2018, 10, 19987-19994.	2.8	21
29	Self-powered wearable sensing-textiles for real-time detecting environmental atmosphere and body motion based on surface-triboelectric coupling effect. <i>Nanotechnology</i> , 2018, 29, 405504.	1.3	37
30	Ga-doped ZnO nanowire nanogenerator as self-powered/active humidity sensor with high sensitivity and fast response. <i>Journal of Alloys and Compounds</i> , 2015, 648, 571-576.	2.8	48