Zhuo Liu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9350784/publications.pdf

Version: 2024-02-01

26 papers	3,266 citations	361413 20 h-index	526287 27 g-index
28 all docs	28 docs citations	28 times ranked	2834 citing authors

#	Article	IF	Citations
1	Biodegradable triboelectric nanogenerator as a life-time designed implantable power source. Science Advances, 2016, 2, e1501478.	10.3	461
2	Symbiotic cardiac pacemaker. Nature Communications, 2019, 10, 1821.	12.8	429
3	A bionic stretchable nanogenerator for underwater sensing and energy harvesting. Nature Communications, 2019, 10, 2695.	12.8	413
4	In Vivo Self-Powered Wireless Cardiac Monitoring via Implantable Triboelectric Nanogenerator. ACS Nano, 2016, 10, 6510-6518.	14.6	342
5	Wearable and Implantable Triboelectric Nanogenerators. Advanced Functional Materials, 2019, 29, 1808820.	14.9	296
6	Self-Powered, One-Stop, and Multifunctional Implantable Triboelectric Active Sensor for Real-Time Biomedical Monitoring. Nano Letters, 2016, 16, 6042-6051.	9.1	291
7	Transcatheter Selfâ€Powered Ultrasensitive Endocardial Pressure Sensor. Advanced Functional Materials, 2019, 29, 1807560.	14.9	181
8	Body-Integrated Self-Powered System for Wearable and Implantable Applications. ACS Nano, 2019, 13, 6017-6024.	14.6	142
9	Refreshable Braille Display System Based on Triboelectric Nanogenerator and Dielectric Elastomer. Advanced Functional Materials, 2021, 31, 2006612.	14.9	96
10	Robust Multilayered Encapsulation for High-Performance Triboelectric Nanogenerator in Harsh Environment. ACS Applied Materials & Interfaces, 2016, 8, 26697-26703.	8.0	79
11	Human Motion Driven Self-Powered Photodynamic System for Long-Term Autonomous Cancer Therapy. ACS Nano, 2020, 14, 8074-8083.	14.6	77
12	Stretchable, Self-Healing, and Skin-Mounted Active Sensor for Multipoint Muscle Function Assessment. ACS Nano, 2021, 15, 10130-10140.	14.6	75
13	Dynamic real-time imaging of living cell traction force by piezo-phototronic light nano-antenna array. Science Advances, 2021, 7, .	10.3	65
14	Selfâ€Powered Controllable Transdermal Drug Delivery System. Advanced Functional Materials, 2021, 31, 2104092.	14.9	52
15	Flexible and stretchable dual mode nanogenerator for rehabilitation monitoring and information interaction. Journal of Materials Chemistry B, 2020, 8, 3647-3654.	5.8	47
16	Novel porous Ti35Zr28Nb scaffolds fabricated by powder metallurgy with excellent osteointegration ability for bone-tissue engineering applications. Materials Science and Engineering C, 2019, 105, 110015.	7.3	44
17	A Hybrid Biofuel and Triboelectric Nanogenerator for Bioenergy Harvesting. Nano-Micro Letters, 2020, 12, 50.	27.0	41
18	Porous Ti-10Mo alloy fabricated by powder metallurgy for promoting bone regeneration. Science China Materials, 2019, 62, 1053-1064.	6.3	37

#	Article	IF	Citations
19	An Artificial Intelligence-Enhanced Blood Pressure Monitor Wristband Based on Piezoelectric Nanogenerator. Biosensors, 2022, 12, 234.	4.7	29
20	An Ultraâ€Simple Charge Supplementary Strategy for High Performance Rotary Triboelectric Nanogenerators. Small, 2021, 17, e2101430.	10.0	23
21	A Gyroscope Nanogenerator with Frequency Upâ€Conversion Effect for Fitness and Energy Harvesting. Small, 2022, 18, e2108091.	10.0	18
22	Thermoâ€Driven Evaporation Selfâ€Assembly and Dynamic Analysis of Homocentric Carbon Nanotube Rings. Small, 2017, 13, 1603642.	10.0	11
23	A Self-Powered Optogenetic System for Implantable Blood Glucose Control. Research, 2022, 2022, .	5.7	7
24	Endocardial Pressure Sensors: Transcatheter Self-Powered Ultrasensitive Endocardial Pressure Sensor (Adv. Funct. Mater. 3/2019). Advanced Functional Materials, 2019, 29, 1970017.	14.9	5
25	High-Throughput Identification and Screening of Single Microbial Cells by Nanobowl Array. ACS Applied Materials & Interfaces, 2019, 11, 44933-44940.	8.0	2
26	Bioabsorbable Capacitors: Fully Bioabsorbable Capacitor as an Energy Storage Unit for Implantable Medical Electronics (Adv. Sci. 6/2019). Advanced Science, 2019, 6, 1970035.	11.2	2