Zhuo Liu

List of Publications by Year
in descending order

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

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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	A Gyroscope Nanogenerator with Frequency Upâ€Conversion Effect for Fitness and Energy Harvesting. Small, 2022, 18, e2108091.	10.0	18
2	An Artificial Intelligence-Enhanced Blood Pressure Monitor Wristband Based on Piezoelectric Nanogenerator. Biosensors, 2022, 12, 234.	4.7	29
3	A Self-Powered Optogenetic System for Implantable Blood Glucose Control. Research, 2022, 2022, .	5.7	7
4	Refreshable Braille Display System Based on Triboelectric Nanogenerator and Dielectric Elastomer. Advanced Functional Materials, 2021, 31, 2006612.	14.9	96
5	Dynamic real-time imaging of living cell traction force by piezo-phototronic light nano-antenna array. Science Advances, 2021, 7, .	10.3	65
6	An Ultraâ€Simple Charge Supplementary Strategy for High Performance Rotary Triboelectric Nanogenerators. Small, 2021, 17, e2101430.	10.0	23
7	Selfâ€Powered Controllable Transdermal Drug Delivery System. Advanced Functional Materials, 2021, 31, 2104092.	14.9	52
8	Stretchable, Self-Healing, and Skin-Mounted Active Sensor for Multipoint Muscle Function Assessment. ACS Nano, 2021, 15, 10130-10140.	14.6	75
9	Human Motion Driven Self-Powered Photodynamic System for Long-Term Autonomous Cancer Therapy. ACS Nano, 2020, 14, 8074-8083.	14.6	77
10	A Hybrid Biofuel and Triboelectric Nanogenerator for Bioenergy Harvesting. Nano-Micro Letters, 2020, 12, 50.	27.0	41
11	Flexible and stretchable dual mode nanogenerator for rehabilitation monitoring and information interaction. Journal of Materials Chemistry B, 2020, 8, 3647-3654.	5.8	47
12	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
13	High-Throughput Identification and Screening of Single Microbial Cells by Nanobowl Array. ACS Applied Materials & Interfaces, 2019, 11, 44933-44940.	8.0	2
14	Porous Ti-10Mo alloy fabricated by powder metallurgy for promoting bone regeneration. Science China Materials, 2019, 62, 1053-1064.	6.3	37
15	A bionic stretchable nanogenerator for underwater sensing and energy harvesting. Nature Communications, 2019, 10, 2695.	12.8	413
16	Body-Integrated Self-Powered System for Wearable and Implantable Applications. ACS Nano, 2019, 13, 6017-6024.	14.6	142
17	Symbiotic cardiac pacemaker. Nature Communications, 2019, 10, 1821.	12.8	429
18	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

#	Article	IF	Citations
19	Wearable and Implantable Triboelectric Nanogenerators. Advanced Functional Materials, 2019, 29, 1808820.	14.9	296
20	Transcatheter Selfâ€Powered Ultrasensitive Endocardial Pressure Sensor. Advanced Functional Materials, 2019, 29, 1807560.	14.9	181
21	Endocardial Pressure Sensors: Transcatheter Self-Powered Ultrasensitive Endocardial Pressure Sensor (Adv. Funct. Mater. 3/2019). Advanced Functional Materials, 2019, 29, 1970017.	14.9	5
22	Thermoâ€Driven Evaporation Selfâ€Assembly and Dynamic Analysis of Homocentric Carbon Nanotube Rings. Small, 2017, 13, 1603642.	10.0	11
23	Biodegradable triboelectric nanogenerator as a life-time designed implantable power source. Science Advances, 2016, 2, e1501478.	10.3	461
24	Robust Multilayered Encapsulation for High-Performance Triboelectric Nanogenerator in Harsh Environment. ACS Applied Materials & Interfaces, 2016, 8, 26697-26703.	8.0	79
25	Self-Powered, One-Stop, and Multifunctional Implantable Triboelectric Active Sensor for Real-Time Biomedical Monitoring. Nano Letters, 2016, 16, 6042-6051.	9.1	291
26	In Vivo Self-Powered Wireless Cardiac Monitoring via Implantable Triboelectric Nanogenerator. ACS Nano, 2016, 10, 6510-6518.	14.6	342