Hexia Guo

List of Publications by Year
in descending order

12	1,127	1163117 8	1199594 12
papers	citations	h-index	g-index

12	12	12	2402
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Percutaneously introduced wireless intramuscular nearâ€infrared spectroscopy device detects muscle oxygenation changes in porcine model of lower extremity compartment syndrome. Journal of Orthopaedic Research, 2023, 41, 54-62.	2.3	1
2	Intramuscular Near-Infrared Spectroscopy for Muscle Flap Monitoring in a Porcine Model. Journal of Reconstructive Microsurgery, 2022, 38, 321-327.	1.8	7
3	Implantable, wireless, self-fixing thermal sensors for continuous measurements of microvascular blood flow in flaps and organ grafts. Biosensors and Bioelectronics, 2022, 206, 114145.	10.1	18
4	Wireless implantable optical probe for continuous monitoring of oxygen saturation in flaps and organ grafts. Nature Communications, 2022, 13, .	12.8	22
5	Advanced Materials in Wireless, Implantable Electrical Stimulators that Offer Rapid Rates of Bioresorption for Peripheral Axon Regeneration. Advanced Functional Materials, 2021, 31, 2102724.	14.9	17
6	Bioresorbable Multilayer Photonic Cavities as Temporary Implants for Tether-Free Measurements of Regional Tissue Temperatures. BME Frontiers, 2021, 2021, .	4.5	7
7	Implantation and Control of Wireless, Battery-free Systems for Peripheral Nerve Interfacing. Journal of Visualized Experiments, 2021, , .	0.3	2
8	Body-Interfaced Chemical Sensors for Noninvasive Monitoring and Analysis of Biofluids. Trends in Chemistry, 2019, 1, 559-571.	8.5	71
9	Battery-free, fully implantable optofluidic cuff system for wireless optogenetic and pharmacological neuromodulation of peripheral nerves. Science Advances, 2019, 5, eaaw5296.	10.3	127
10	Battery-free, lightweight, injectable microsystem for in vivo wireless pharmacology and optogenetics. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21427-21437.	7.1	110
11	Passive sweat collection and colorimetric analysis of biomarkers relevant to kidney disorders using a soft microfluidic system. Lab on A Chip, 2019, 19, 1545-1555.	6.0	157
12	Polymer-modified halide perovskite films for efficient and stable planar heterojunction solar cells. Science Advances, 2017, 3, e1700106.	10.3	588