Yixin Wu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5418192/publications.pdf

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15	790	1040056	996975
papers	citations	9	15
		h-index	g-index

16	16	16	1108
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Battery-free, fully implantable optofluidic cuff system for wireless optogenetic and pharmacological neuromodulation of peripheral nerves. Science Advances, 2019, 5, eaaw5296.	10.3	127
3	Wireless, battery-free optoelectronic systems as subdermal implants for local tissue oximetry. Science Advances, 2019, 5, eaaw0873.	10.3	116
4	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
5	An on-skin platform for wireless monitoring of flow rate, cumulative loss and temperature of sweat in real time. Nature Electronics, 2021, 4, 302-312.	26.0	110
6	A Skinâ€Interfaced, Miniaturized Microfluidic Analysis and Delivery System for Colorimetric Measurements of Nutrients in Sweat and Supply of Vitamins Through the Skin. Advanced Science, 2022, 9, e2103331.	11.2	53
7	Wireless, implantable catheter-type oximeter designed for cardiac oxygen saturation. Science Advances, 2021, 7, .	10.3	45
8	Excitatory VTA to DH projections provide a valence signal to memory circuits. Nature Communications, 2020, 11, 1466.	12.8	24
9	Implantable Aptamer-Graphene Microtransistors for Real-Time Monitoring of Neurochemical Release in Vivo. Nano Letters, 2022, 22, 3668-3677.	9.1	21
10	Wireless, battery-free push-pull microsystem for membrane-free neurochemical sampling in freely moving animals. Science Advances, 2022, 8, eabn2277.	10.3	10
11	Bioresorbable Multilayer Photonic Cavities as Temporary Implants for Tether-Free Measurements of Regional Tissue Temperatures. BME Frontiers, 2021, 2021, .	4.5	7
12	A mechanics model for injectable microsystems in drug delivery. Journal of the Mechanics and Physics of Solids, 2021, 156, 104622.	4.8	3
13	Analytical Modeling of Flowrate and Its Maxima in Electrochemical Bioelectronics with Drug Delivery Capabilities. Research, 2022, 2022, 9805932.	5.7	3
14	Biodegradable Batteries: A Fully Biodegradable Battery for Self-Powered Transient Implants (Small) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	10.0	2
15	Electrochemical Bioelectronics in Drug Delivery: Effect of the Initial Gas Volume. Journal of Applied Mechanics, Transactions ASME, 2022, 89, .	2.2	1