

# Yixin Wu

## List of Publications by Year in descending order

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15  
papers

790  
citations

1040056

9  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1108  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Bioelectronics in Drug Delivery: Effect of the Initial Gas Volume. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2022, 89, .	2.2	1
2	A Skin-Interfaced, Miniaturized Microfluidic Analysis and Delivery System for Colorimetric Measurements of Nutrients in Sweat and Supply of Vitamins Through the Skin. <i>Advanced Science</i> , 2022, 9, e2103331.	11.2	53
3	Wireless, battery-free push-pull microsystem for membrane-free neurochemical sampling in freely moving animals. <i>Science Advances</i> , 2022, 8, eabn2277.	10.3	10
4	Analytical Modeling of Flowrate and Its Maxima in Electrochemical Bioelectronics with Drug Delivery Capabilities. <i>Research</i> , 2022, 2022, 9805932.	5.7	3
5	Implantable Aptamer-Graphene Microtransistors for Real-Time Monitoring of Neurochemical Release in Vivo. <i>Nano Letters</i> , 2022, 22, 3668-3677.	9.1	21
6	Wireless, implantable catheter-type oximeter designed for cardiac oxygen saturation. <i>Science Advances</i> , 2021, 7, .	10.3	45
7	An on-skin platform for wireless monitoring of flow rate, cumulative loss and temperature of sweat in real time. <i>Nature Electronics</i> , 2021, 4, 302-312.	26.0	110
8	A mechanics model for injectable microsystems in drug delivery. <i>Journal of the Mechanics and Physics of Solids</i> , 2021, 156, 104622.	4.8	3
9	Bioresorbable Multilayer Photonic Cavities as Temporary Implants for Tether-Free Measurements of Regional Tissue Temperatures. <i>BME Frontiers</i> , 2021, 2021, .	4.5	7
10	Excitatory VTA to DH projections provide a valence signal to memory circuits. <i>Nature Communications</i> , 2020, 11, 1466.	12.8	24
11	Battery-free, fully implantable optofluidic cuff system for wireless optogenetic and pharmacological neuromodulation of peripheral nerves. <i>Science Advances</i> , 2019, 5, eaaw5296.	10.3	127
12	Battery-free, lightweight, injectable microsystem for in vivo wireless pharmacology and optogenetics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21427-21437.	7.1	110
13	Wireless, battery-free optoelectronic systems as subdermal implants for local tissue oximetry. <i>Science Advances</i> , 2019, 5, eaaw0873.	10.3	116
14	Passive sweat collection and colorimetric analysis of biomarkers relevant to kidney disorders using a soft microfluidic system. <i>Lab on A Chip</i> , 2019, 19, 1545-1555.	6.0	157
15	Biodegradable Batteries: A Fully Biodegradable Battery for Self-Powered Transient Implants (Small) <i>TJ ETQq1</i> 1 0.784314 $\text{rgBT}_2/\text{Overlook}$	10.0	