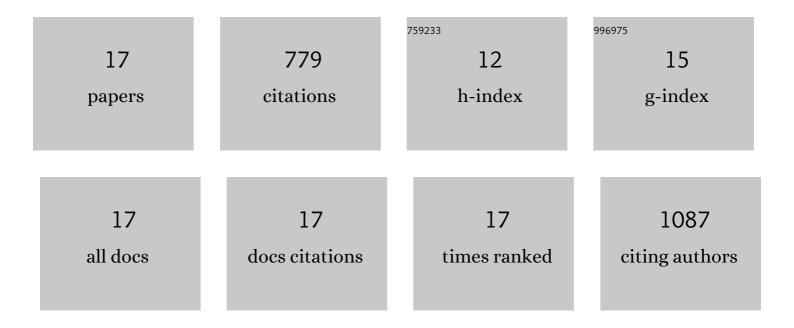
## Yichao Zhao

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3776837/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Highâ€Performance Solid‧tate Supercapacitors and Microsupercapacitors Derived from Printable Graphene Inks. Advanced Energy Materials, 2016, 6, 1600909.	19.5	139
2	Wearable aptamer-field-effect transistor sensing system for noninvasive cortisol monitoring. Science Advances, 2022, 8, eabk0967.	10.3	118
3	A programmable epidermal microfluidic valving system for wearable biofluid management and contextual biomarker analysis. Nature Communications, 2020, 11, 4405.	12.8	92
4	A wearable freestanding electrochemical sensing system. Science Advances, 2020, 6, eaaz0007.	10.3	87
5	Noninvasive wearable electroactive pharmaceutical monitoring for personalized therapeutics. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 19017-19025.	7.1	71
6	Natural Perspiration Sampling and in Situ Electrochemical Analysis with Hydrogel Micropatches for User-Identifiable and Wireless Chemo/Biosensing. ACS Sensors, 2020, 5, 93-102.	7.8	69
7	Highâ€Concentration Aqueous Dispersions of Nanoscale 2D Materials Using Nonionic, Biocompatible Block Copolymers. Small, 2016, 12, 294-300.	10.0	47
8	A rapid and low-cost fabrication and integration scheme to render 3D microfluidic architectures for wearable biofluid sampling, manipulation, and sensing. Lab on A Chip, 2019, 19, 2844-2853.	6.0	37
9	A Mediatorâ€Free Electroenzymatic Sensing Methodology to Mitigate Ionic and Electroactive Interferents' Effects for Reliable Wearable Metabolite and Nutrient Monitoring. Advanced Functional Materials, 2020, 30, 1908507.	14.9	36
10	Design Framework and Sensing System for Noninvasive Wearable Electroactive Drug Monitoring. ACS Sensors, 2020, 5, 265-273.	7.8	28
11	An autonomous wearable system for diurnal sweat biomarker data acquisition. Lab on A Chip, 2020, 20, 4582-4591.	6.0	26
12	A wearable electrofluidic actuation system. Lab on A Chip, 2019, 19, 2966-2972.	6.0	15
13	A touch-based multimodal and cryptographic bio-human–machine interface. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2201937119.	7.1	11
14	An Adhesive and Corrosion-Resistant Biomarker Sensing Film for Biosmart Wearable Consumer Electronics. Journal of Microelectromechanical Systems, 2020, 29, 1112-1114.	2.5	2
15	An Autonomous Diurnal Sweat Sampling Patch for Biomarker Data Analytics. Journal of Microelectromechanical Systems, 2020, 29, 1106-1108.	2.5	1
16	A Stimuli-Responsive Hydrogel Array Fabrication Scheme for Large-Scale and Wearable Microfluidic Valving. Journal of Microelectromechanical Systems, 2020, 29, 1115-1117.	2.5	0
17	Electroenzymatic Sensors: A Mediatorâ€Free Electroenzymatic Sensing Methodology to Mitigate Ionic and Electroactive Interferents' Effects for Reliable Wearable Metabolite and Nutrient Monitoring (Adv. Funct. Mater. 10/2020). Advanced Functional Materials, 2020, 30, 2070066.	14.9	0