Yichao Zhao

List of Publications by Year
in descending order

17	779	759233 12	996975 15
papers	citations	h-index	g-index

17	17	17	1087
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Wearable aptamer-field-effect transistor sensing system for noninvasive cortisol monitoring. Science Advances, 2022, 8, eabk0967.	10.3	118
2	A touch-based multimodal and cryptographic bio-humanâ€“machine interface. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2201937119.	7.1	11
3	Design Framework and Sensing System for Noninvasive Wearable Electroactive Drug Monitoring. ACS Sensors, 2020, 5, 265-273.	7.8	28
4	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
5	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
6	An autonomous wearable system for diurnal sweat biomarker data acquisition. Lab on A Chip, 2020, 20, 4582-4591.	6.0	26
7	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
8	An Adhesive and Corrosion-Resistant Biomarker Sensing Film for Biosmart Wearable Consumer Electronics. Journal of Microelectromechanical Systems, 2020, 29, 1112-1114.	2.5	2
9	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
10	A programmable epidermal microfluidic valving system for wearable biofluid management and contextual biomarker analysis. Nature Communications, 2020, 11, 4405.	12.8	92
11	An Autonomous Diurnal Sweat Sampling Patch for Biomarker Data Analytics. Journal of Microelectromechanical Systems, 2020, 29, 1106-1108.	2.5	1
12	A wearable freestanding electrochemical sensing system. Science Advances, 2020, 6, eaaz0007.	10.3	87
13	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
14	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
15	A wearable electrofluidic actuation system. Lab on A Chip, 2019, 19, 2966-2972.	6.0	15
16	Highâ€Concentration Aqueous Dispersions of Nanoscale 2D Materials Using Nonionic, Biocompatible Block Copolymers. Small, 2016, 12, 294-300.	10.0	47
17	Highâ€Performance Solidâ€State Supercapacitors and Microsupercapacitors Derived from Printable Graphene Inks. Advanced Energy Materials, 2016, 6, 1600909.	19.5	139