

# Yichao Zhao

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

779  
citations

759233

12  
h-index

996975

15  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1087  
citing authors

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