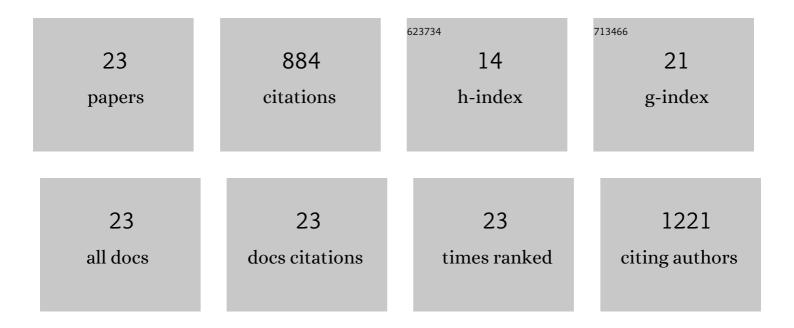
Xuan Weng

List of Publications by Year in descending order

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XHAN WENC

| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | A Portable 3D Microfluidic Origami Biosensor for Cortisol Detection in Human Sweat. Analytical Chemistry, 2022, 94, 3526-3534. | 6.5 | 36 |
| 2 | Facile Fabrication of an Ultrasensitive Allâ€Fabric Wearable Pressure Sensor Based on Phosphoreneâ€Gold Nanocomposites. Advanced Materials Interfaces, 2022, 9, . | 3.7 | 9 |
| 3 | Fabrication of a novel liquid metal microelectrode in microfluidic chip. Modern Physics Letters B, 2021, 35, 2140005. | 1.9 | 1 |
| 4 | Microfluidic thread-based electrochemical aptasensor for rapid detection of Vibrio parahaemolyticus. Biosensors and Bioelectronics, 2021, 182, 113191. | 10.1 | 51 |
| 5 | Microfluidic origami nano-aptasensor for peanut allergen Ara h1 detection. Food Chemistry, 2021, 365, 130511. | 8.2 | 35 |
| 6 | Numerical Studies of Electrokinetically Controlled Concentration of Diluted DNA Molecules in a T-Shaped Microchannel. IEEE Access, 2020, 8, 5601-5610. | 4.2 | 2 |
| 7 | Recent advances in thread-based microfluidics for diagnostic applications. Biosensors and Bioelectronics, 2019, 132, 171-185. | 10.1 | 78 |
| 8 | Numerical and experimental investigation of â€~water fan' effect due to electrohydrodynamic force in a microchamber. Electrophoresis, 2019, 40, 1126-1134. | 2.4 | 0 |
| 9 | Immunosensor Based on Antibody-Functionalized MoS ₂ for Rapid Detection of Avian Coronavirus on Cotton Thread. IEEE Sensors Journal, 2018, 18, 4358-4363. | 4.7 | 53 |
| 10 | Paperâ€based microfluidic aptasensor for food safety. Journal of Food Safety, 2018, 38, e12412. | 2.3 | 50 |
| 11 | Biosensors for Sustainable Food Engineering: Challenges and Perspectives. Biosensors, 2018, 8, 23. | 4.7 | 130 |
| 12 | Characterization of an induced pressure pumping force for microfluidics. Applied Physics Letters, 2017, 110, 184102. | 3.3 | 10 |
| 13 | Aptamer-based fluorometric determination of norovirus using a paper-based microfluidic device. Mikrochimica Acta, 2017, 184, 4545-4552. | 5.0 | 74 |
| 14 | Toward Point-of-Care Diagnostics of Breast Cancer: Development of an Optical Biosensor Using Quantum Dots. , 2017, 1, 1-4. | | 14 |
| 15 | Single Cell Chemotactic Responses of Helicobacter pylori to Urea in a Microfluidic Chip. Applied Sciences (Switzerland), 2016, 6, 139. | 2.5 | 4 |
| 16 | Rapid Detection of Food Allergens by Microfluidics ELISA-Based Optical Sensor. Biosensors, 2016, 6, 24. | 4.7 | 82 |
| 17 | A microfluidic biosensor using graphene oxide and aptamer-functionalized quantum dots for peanut allergen detection. Biosensors and Bioelectronics, 2016, 85, 649-656. | 10.1 | 128 |
| 18 | Investigation of the antimicrobial activity of soy peptides by developing a high throughput drug screening assay. Biochemistry and Biophysics Reports, 2016, 6, 149-157. | 1.3 | 22 |

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| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Microfluidic wound model for studying the behaviors of <i>Pseudomonas aeruginosa</i> in polymicrobial biofilms. Biotechnology and Bioengineering, 2015, 112, 2351-2359. | 3.3 | 20 |
| 20 | Development of quantum dots-based biosensor towards on-farm detection of subclinical ketosis. Biosensors and Bioelectronics, 2015, 72, 140-147. | 10.1 | 33 |
| 21 | Microfluidic biosensor for β-Hydroxybutyrate (βHBA) determination of subclinical ketosis diagnosis. Journal of Nanobiotechnology, 2015, 13, 13. | 9.1 | 37 |
| 22 | A novel microfluidic flow focusing method. Biomicrofluidics, 2014, 8, 054120. | 2.4 | 13 |
| 23 | A MINIATURIZED SYSTEM FOR RAPID AND QUANTITATIVE DETERMINATION OF A COCAINE METABOLITE BY A HOMOGENEOUS ENZYME IMMUNOASSAY. Instrumentation Science and Technology, 2013, 41, 512-523. | 1.8 | 2 |
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