

# Xuan Weng

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

884  
citations

623734

14  
h-index

713466

21  
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23  
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23  
docs citations

23  
times ranked

1221  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Portable 3D Microfluidic Origami Biosensor for Cortisol Detection in Human Sweat. <i>Analytical Chemistry</i> , 2022, 94, 3526-3534.	6.5	36
2	Facile Fabrication of an Ultrasensitive All-Graphene Fabric Wearable Pressure Sensor Based on Phosphorene-Gold Nanocomposites. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	9
3	Fabrication of a novel liquid metal microelectrode in microfluidic chip. <i>Modern Physics Letters B</i> , 2021, 35, 2140005.	1.9	1
4	Microfluidic thread-based electrochemical aptasensor for rapid detection of <i>Vibrio parahaemolyticus</i> . <i>Biosensors and Bioelectronics</i> , 2021, 182, 113191.	10.1	51
5	Microfluidic origami nano-aptasensor for peanut allergen Ara h1 detection. <i>Food Chemistry</i> , 2021, 365, 130511.	8.2	35
6	Numerical Studies of Electrokinetically Controlled Concentration of Diluted DNA Molecules in a T-Shaped Microchannel. <i>IEEE Access</i> , 2020, 8, 5601-5610.	4.2	2
7	Recent advances in thread-based microfluidics for diagnostic applications. <i>Biosensors and Bioelectronics</i> , 2019, 132, 171-185.	10.1	78
8	Numerical and experimental investigation of the "water fan" effect due to electrohydrodynamic force in a microchamber. <i>Electrophoresis</i> , 2019, 40, 1126-1134.	2.4	0
9	Immunosensor Based on Antibody-Functionalized MoS <sub>2</sub> for Rapid Detection of Avian Coronavirus on Cotton Thread. <i>IEEE Sensors Journal</i> , 2018, 18, 4358-4363.	4.7	53
10	Paper-based microfluidic aptasensor for food safety. <i>Journal of Food Safety</i> , 2018, 38, e12412.	2.3	50
11	Biosensors for Sustainable Food Engineering: Challenges and Perspectives. <i>Biosensors</i> , 2018, 8, 23.	4.7	130
12	Characterization of an induced pressure pumping force for microfluidics. <i>Applied Physics Letters</i> , 2017, 110, 184102.	3.3	10
13	Aptamer-based fluorometric determination of norovirus using a paper-based microfluidic device. <i>Mikrochimica Acta</i> , 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 <i>Helicobacter pylori</i> to Urea in a Microfluidic Chip. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 139.	2.5	4
16	Rapid Detection of Food Allergens by Microfluidics ELISA-Based Optical Sensor. <i>Biosensors</i> , 2016, 6, 24.	4.7	82
17	A microfluidic biosensor using graphene oxide and aptamer-functionalized quantum dots for peanut allergen detection. <i>Biosensors and Bioelectronics</i> , 2016, 85, 649-656.	10.1	128
18	Investigation of the antimicrobial activity of soy peptides by developing a high throughput drug screening assay. <i>Biochemistry and Biophysics Reports</i> , 2016, 6, 149-157.	1.3	22

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19	Microfluidic wound model for studying the behaviors of <i>Pseudomonas aeruginosa</i> in polymicrobial biofilms. <i>Biotechnology and Bioengineering</i> , 2015, 112, 2351-2359.	3.3	20
20	Development of quantum dots-based biosensor towards on-farm detection of subclinical ketosis. <i>Biosensors and Bioelectronics</i> , 2015, 72, 140-147.	10.1	33
21	Microfluidic biosensor for $\hat{1}^2$ -Hydroxybutyrate ( $\hat{1}^2$ HBA) determination of subclinical ketosis diagnosis. <i>Journal of Nanobiotechnology</i> , 2015, 13, 13.	9.1	37
22	A novel microfluidic flow focusing method. <i>Biomicrofluidics</i> , 2014, 8, 054120.	2.4	13
23	A MINIATURIZED SYSTEM FOR RAPID AND QUANTITATIVE DETERMINATION OF A COCAINE METABOLITE BY A HOMOGENEOUS ENZYME IMMUNOASSAY. <i>Instrumentation Science and Technology</i> , 2013, 41, 512-523.	1.8	2