Xuan Weng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3456178/publications.pdf

Version: 2024-02-01

23 papers	884 citations	623734 14 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	1221 citing authors

#	Article	IF	Citations
1	Biosensors for Sustainable Food Engineering: Challenges and Perspectives. Biosensors, 2018, 8, 23.	4.7	130
2	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
3	Rapid Detection of Food Allergens by Microfluidics ELISA-Based Optical Sensor. Biosensors, 2016, 6, 24.	4.7	82
4	Recent advances in thread-based microfluidics for diagnostic applications. Biosensors and Bioelectronics, 2019, 132, 171-185.	10.1	78
5	Aptamer-based fluorometric determination of norovirus using a paper-based microfluidic device. Mikrochimica Acta, 2017, 184, 4545-4552.	5.0	74
6	Immunosensor Based on Antibody-Functionalized MoS₂ for Rapid Detection of Avian Coronavirus on Cotton Thread. IEEE Sensors Journal, 2018, 18, 4358-4363.	4.7	53
7	Microfluidic thread-based electrochemical aptasensor for rapid detection of Vibrio parahaemolyticus. Biosensors and Bioelectronics, 2021, 182, 113191.	10.1	51
8	Paperâ€based microfluidic aptasensor for food safety. Journal of Food Safety, 2018, 38, e12412.	2.3	50
9	Microfluidic biosensor for Î²-Hydroxybutyrate (Î²HBA) determination of subclinical ketosis diagnosis. Journal of Nanobiotechnology, 2015, 13, 13.	9.1	37
10	A Portable 3D Microfluidic Origami Biosensor for Cortisol Detection in Human Sweat. Analytical Chemistry, 2022, 94, 3526-3534.	6.5	36
11	Microfluidic origami nano-aptasensor for peanut allergen Ara h1 detection. Food Chemistry, 2021, 365, 130511.	8.2	35
12	Development of quantum dots-based biosensor towards on-farm detection of subclinical ketosis. Biosensors and Bioelectronics, 2015, 72, 140-147.	10.1	33
13	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
14	Microfluidic wound model for studying the behaviors of Pseudomonas aeruginosa in polymicrobial biofilms. Biotechnology and Bioengineering, 2015, 112, 2351-2359.	3.3	20
15	Toward Point-of-Care Diagnostics of Breast Cancer: Development of an Optical Biosensor Using Quantum Dots. , 2017, 1, 1-4.		14
16	A novel microfluidic flow focusing method. Biomicrofluidics, 2014, 8, 054120.	2.4	13
17	Characterization of an induced pressure pumping force for microfluidics. Applied Physics Letters, 2017, 110, 184102.	3.3	10
18	Facile Fabrication of an Ultrasensitive Allâ€Fabric Wearable Pressure Sensor Based on Phosphoreneâ€Gold Nanocomposites. Advanced Materials Interfaces, 2022, 9, .	3.7	9

#	Article	IF	Citations
19	Single Cell Chemotactic Responses of Helicobacter pylori to Urea in a Microfluidic Chip. Applied Sciences (Switzerland), 2016, 6, 139.	2.5	4
20	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
21	Numerical Studies of Electrokinetically Controlled Concentration of Diluted DNA Molecules in a T-Shaped Microchannel. IEEE Access, 2020, 8, 5601-5610.	4.2	2
22	Fabrication of a novel liquid metal microelectrode in microfluidic chip. Modern Physics Letters B, 2021, 35, 2140005.	1.9	1
23	Numerical and experimental investigation of â€˜water fanâ€™ effect due to electrohydrodynamic force in a microchamber. Electrophoresis, 2019, 40, 1126-1134.	2.4	0