

Wang Zhao

List of Publications by Year in descending order

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18
papers

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933447

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888059

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docs citations

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times ranked

421
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a Sensitive Immunochromatographic Method Using Lanthanide Fluorescent Microsphere for Rapid Serodiagnosis of COVID-19. <i>ACS Sensors</i> , 2020, 5, 2331-2337.	7.8	55
2	Signal Transductions of BEAS-2B Cells in Response to Carcinogenic PM _{2.5} Exposure Based on a Microfluidic System. <i>Analytical Chemistry</i> , 2017, 89, 5413-5421.	6.5	42
3	Universally Stable and Precise CRISPR-LAMP Detection Platform for Precise Multiple Respiratory Tract Virus Diagnosis Including Mutant SARS-CoV-2 Spike N501Y. <i>Analytical Chemistry</i> , 2021, 93, 16184-16193.	6.5	36
4	Rapid Detection of Influenza Virus Subtypes Based on an Integrated Centrifugal Disc. <i>ACS Sensors</i> , 2020, 5, 1354-1362.	7.8	27
5	Microfluidic System for Rapid Detection of Airborne Pathogenic Fungal Spores. <i>ACS Sensors</i> , 2018, 3, 2095-2103.	7.8	22
6	An Air-Liquid Interface Organ-Level Lung Microfluidics Platform for Analysis on Molecular Mechanisms of Cytotoxicity Induced by Cancer-Causing Fine Particles. <i>ACS Sensors</i> , 2019, 4, 907-917.	7.8	22
7	An integrated microfluidic device for rapid serodiagnosis of amebiasis. <i>Biomicrofluidics</i> , 2013, 7, 11101.	2.4	16
8	On-site analysis of COVID-19 on the surfaces in wards. <i>Science of the Total Environment</i> , 2021, 753, 141758.	8.0	16
9	A Membrane-free Liver-Gut-on-Chip Platform for the Assessment on Dysregulated Mechanisms of Cholesterol and Bile Acid Metabolism Induced by PM _{2.5} . <i>ACS Sensors</i> , 2020, 5, 3483-3492.	7.8	14
10	Cytotoxicity analysis of ambient fine particle in BEAS-2B cells on an air-liquid interface (ALI) microfluidics system. <i>Science of the Total Environment</i> , 2019, 677, 108-119.	8.0	13
11	Microfluidic Immunoassay System for Rapid Detection and Semi-Quantitative Determination of a Potential Serum Biomarker Mesothelin. <i>ACS Sensors</i> , 2019, 4, 2952-2957.	7.8	11
12	Rapid detection of hepatocellular carcinoma metastasis using reverse transcription loop-mediated isothermal amplification. <i>Talanta</i> , 2020, 208, 120402.	5.5	9
13	A rapid multiplex nucleic acid detection system of airborne fungi by an integrated DNA release device and microfluidic chip. <i>Talanta</i> , 2022, 246, 123467.	5.5	9
14	A point-of-care test device for MRSA rapid detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 209, 114464.	2.8	8
15	Association of PM _{2.5} with Insulin Resistance Signaling Pathways on a Microfluidic Liver-Kidney Microphysiological System (LK-MPS) Device. <i>Analytical Chemistry</i> , 2021, 93, 9835-9844.	6.5	5
16	Biosafety of human environments can be supported by effective use of renewable biomass. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	5
17	Rapid microfluidic immunoassay for surveillance and diagnosis of <i>Cryptosporidium</i> infection in human immunodeficiency virus-infected patients. <i>Biomicrofluidics</i> , 2015, 9, 024114.	2.4	2
18	A disc-chip based high-throughput acute toxicity detection system. <i>Talanta</i> , 2021, 224, 121867.	5.5	2