

Youchun Xu

List of Publications by Year in descending order

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553
citing authors

#	ARTICLE	IF	CITATIONS
1	A fully integrated SNP genotyping system for hereditary hearing-loss detection. Lab on A Chip, 2022, 22, 697-708.	3.1	1
2	Sensitive and Rapid Diagnosis of Respiratory Virus Coinfection Using a Microfluidic Chip-Powered CRISPR/Cas12a System. Small, 2022, 18, .	5.2	13
3	Multiplexed detection of respiratory pathogens with a portable analyzer in a "raw-sample-in and answer-out" manner. Microsystems and Nanoengineering, 2021, 7, 94.	3.4	4
4	Self-served and fully automated biochemical detection of finger-prick blood at home using a portable microfluidic analyzer. Sensors and Actuators B: Chemical, 2020, 303, 127235.	4.0	19
5	A self-contained and fully integrated fluidic cassette system for multiplex nucleic acid detection of bacteriuria. Lab on A Chip, 2020, 20, 384-393.	3.1	20
6	An enhanced centrifugation-assisted lateral flow immunoassay for the point-of-care detection of protein biomarkers. Lab on A Chip, 2020, 20, 2626-2634.	3.1	28
7	A portable microfluidic analyzer for integrated bacterial detection using visible loop-mediated amplification. Sensors and Actuators B: Chemical, 2020, 310, 127834.	4.0	41
8	A novel electromagnet-triggered pillar valve and its application in immunoassay on a centrifugal platform. Lab on A Chip, 2019, 19, 1728-1735.	3.1	15
9	Enhancing the Sensitivity of Lateral Flow Immunoassay by Centrifugation-Assisted Flow Control. Analytical Chemistry, 2019, 91, 4814-4820.	3.2	30
10	A Microfluidic-Based SNP Genotyping Method for Hereditary Hearing-Loss Detection. Analytical Chemistry, 2019, 91, 6111-6117.	3.2	11
11	Sensitive and rapid detection of pathogenic bacteria from urine samples using multiplex recombinase polymerase amplification. Lab on A Chip, 2018, 18, 2441-2452.	3.1	74
12	Interruptible siphon valving for centrifugal microfluidic platforms. Sensors and Actuators B: Chemical, 2018, 276, 313-321.	4.0	16
13	Conditional siphon priming for multi-step assays on centrifugal microfluidic platforms. Sensors and Actuators B: Chemical, 2017, 242, 710-717.	4.0	16
14	Multiplex detection of bacteria on an integrated centrifugal disk using bead-beating lysis and loop-mediated amplification. Scientific Reports, 2017, 7, 1460.	1.6	36
15	Comprehensive Study of the Flow Control Strategy in a Wirelessly Charged Centrifugal Microfluidic Platform with Two Rotation Axes. Analytical Chemistry, 2017, 89, 9315-9321.	3.2	17
16	A microfluidic device with passive air-bubble valves for real-time measurement of dose-dependent drug cytotoxicity through impedance sensing. Biosensors and Bioelectronics, 2012, 32, 300-304.	5.3	40