

Bowen Shu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17
papers

297
citations

11
h-index

17
g-index

19
ext. papers

503
ext. citations

8.6
avg, IF

3.85
L-index

#	Paper	IF	Citations
17	An Ultralocalized Cas13a Assay Enables Universal and Nucleic Acid Amplification-Free Single-Molecule RNA Diagnostics. <i>ACS Nano</i> , 2021 , 15, 1167-1178	16.7	56
16	A handheld flow genetic analysis system (FGAS): towards rapid, sensitive, quantitative and multiplex molecular diagnosis at the point-of-care level. <i>Lab on A Chip</i> , 2015 , 15, 2597-605	7.2	33
15	Droplet Cas12a Assay Enables DNA Quantification from Unamplified Samples at the Single-Molecule Level. <i>Nano Letters</i> , 2021 , 21, 4643-4653	11.5	29
14	A sample-to-answer, real-time convective polymerase chain reaction system for point-of-care diagnostics. <i>Biosensors and Bioelectronics</i> , 2017 , 97, 360-368	11.8	28
13	Segmented continuous-flow multiplex polymerase chain reaction microfluidics for high-throughput and rapid foodborne pathogen detection. <i>Analytica Chimica Acta</i> , 2014 , 826, 51-60	6.6	27
12	Simultaneous Identification and Antimicrobial Susceptibility Testing of Multiple Uropathogens on a Microfluidic Chip with Paper-Supported Cell Culture Arrays. <i>Analytical Chemistry</i> , 2016 , 88, 11593-11600	7.8	24
11	Electrochemical Cloth-Based DNA Sensors (ECDSs): A New Class of Electrochemical Gene Sensors. <i>Analytical Chemistry</i> , 2020 , 92, 7708-7716	7.8	18
10	Highly sensitive identification of foodborne pathogenic <i>Listeria monocytogenes</i> using single-phase continuous-flow nested PCR microfluidics with on-line fluorescence detection. <i>Microfluidics and Nanofluidics</i> , 2013 , 15, 161-172	2.8	17
9	Orthogonal Screening of Anticancer Drugs Using an Open-Access Microfluidic Tissue Array System. <i>Analytical Chemistry</i> , 2017 , 89, 11976-11984	7.8	12
8	Micropatterned paper devices using amine-terminated polydiacetylene vesicles as colorimetric probes for enhanced detection of double-stranded DNA. <i>Sensors and Actuators B: Chemical</i> , 2016 , 236, 27-34	8.5	12
7	Active droplet-array (ADA) microfluidics enables multiplexed complex bioassays for point of care testing. <i>Chemical Communications</i> , 2018 , 54, 2232-2235	5.8	11
6	A fully automated microfluidic PCR-array system for rapid detection of multiple respiratory tract infection pathogens. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 1787-1798	4.4	9
5	Open Surface Droplet Microfluidic Magnetosensor for Microcystin-LR Monitoring in Reservoir. <i>Analytical Chemistry</i> , 2020 , 92, 3409-3416	7.8	7
4	Multiplexed Profiling of Extracellular Vesicles for Biomarker Development. <i>Nano-Micro Letters</i> , 2021 , 14, 3	19.5	6
3	Magnet-actuated droplet microfluidic immunosensor coupled with gel imager for detection of microcystin-LR in aquatic products. <i>Talanta</i> , 2020 , 219, 121329	6.2	4
2	A pocket-sized device automates multiplexed point-of-care RNA testing for rapid screening of infectious pathogens. <i>Biosensors and Bioelectronics</i> , 2021 , 181, 113145	11.8	4
1	Photoclick Reaction Constructs Glutathione-Responsive Theranostic System for Anti-Tuberculosis. <i>Frontiers in Molecular Biosciences</i> , 2022 , 9, 845179	5.6	0

