

Leiji Zhou

List of Publications by Year in descending order

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18
papers

1,062
citations

471509

17
h-index

839539

18
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all docs

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docs citations

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times ranked

1520
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitive, Rapid, and Automated Detection of DNA Methylation Based on Digital Microfluidics. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 8042-8048.	8.0	26
2	Digital-WGS: Automated, highly efficient whole-genome sequencing of single cells by digital microfluidics. <i>Science Advances</i> , 2020, 6, .	10.3	54
3	Auto-affitech: an automated ligand binding affinity evaluation platform using digital microfluidics with a bidirectional magnetic separation method. <i>Lab on A Chip</i> , 2020, 20, 1577-1585.	6.0	29
4	Aptamer-tagged silver nanoclusters for cell image and Mucin1 detection in vitro. <i>Talanta</i> , 2019, 205, 120075.	5.5	17
5	Rapid, real-time chemiluminescent detection of DNA mutation based on digital microfluidics and pyrosequencing. <i>Biosensors and Bioelectronics</i> , 2019, 126, 551-557.	10.1	34
6	Lateral flow assay with pressure meter readout for rapid point-of-care detection of disease-associated protein. <i>Lab on A Chip</i> , 2018, 18, 965-970.	6.0	50
7	In Situ Pt Staining Method for Simple, Stable, and Sensitive Pressure-Based Bioassays. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13390-13396.	8.0	27
8	Highly Sensitive and Automated Surface Enhanced Raman Scattering-based Immunoassay for H5N1 Detection with Digital Microfluidics. <i>Analytical Chemistry</i> , 2018, 90, 5224-5231.	6.5	107
9	A fully integrated distance readout ELISA-Chip for point-of-care testing with sample-in-answer-out capability. <i>Biosensors and Bioelectronics</i> , 2017, 96, 332-338.	10.1	88
10	A portable visual detection method based on a target-responsive DNA hydrogel and color change of gold nanorods. <i>Chemical Communications</i> , 2017, 53, 6375-6378.	4.1	64
11	Recent Progress in Aptamer-Based Functional Probes for Bioanalysis and Biomedicine. <i>Chemistry - A European Journal</i> , 2016, 22, 9886-9900.	3.3	52
12	Design and synthesis of target-responsive hydrogel for portable visual quantitative detection of uranium with a microfluidic distance-based readout device. <i>Biosensors and Bioelectronics</i> , 2016, 85, 496-502.	10.1	83
13	DNA-Mediated Morphological Control of Silver Nanoparticles. <i>Small</i> , 2016, 12, 5449-5487.	10.0	33
14	A Shake&Read distance-based microfluidic chip as a portable quantitative readout device for highly sensitive point-of-care testing. <i>Chemical Communications</i> , 2016, 52, 13377-13380.	4.1	29
15	A pressure-based bioassay for the rapid, portable and quantitative detection of C-reactive protein. <i>Chemical Communications</i> , 2016, 52, 8452-8454.	4.1	55
16	Portable visual quantitative detection of aflatoxin B ₁ using a target-responsive hydrogel and a distance-readout microfluidic chip. <i>Lab on A Chip</i> , 2016, 16, 3097-3104.	6.0	102
17	Distance-based microfluidic quantitative detection methods for point-of-care testing. <i>Lab on A Chip</i> , 2016, 16, 1139-1151.	6.0	143
18	Highly sensitive and selective detection of miRNA: DNase I-assisted target recycling using DNA probes protected by polydopamine nanospheres. <i>Chemical Communications</i> , 2015, 51, 2156-2158.	4.1	69