

# Wenwen Jing

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

913  
citations

516710

16  
h-index

454955

30  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1240  
citing authors

#	ARTICLE	IF	CITATIONS
1	Current and emerging techniques for antibiotic susceptibility tests. <i>Theranostics</i> , 2017, 7, 1795-1805.	10.0	143
2	Microfluidic Device for Efficient Airborne Bacteria Capture and Enrichment. <i>Analytical Chemistry</i> , 2013, 85, 5255-5262.	6.5	81
3	Microfluidic chip integrating high throughput continuous-flow PCR and DNA hybridization for bacteria analysis. <i>Talanta</i> , 2014, 122, 246-250.	5.5	64
4	Phenotypic Antimicrobial Susceptibility Testing with Deep Learning Video Microscopy. <i>Analytical Chemistry</i> , 2018, 90, 6314-6322.	6.5	61
5	Time-Resolved Digital Immunoassay for Rapid and Sensitive Quantitation of Procalcitonin with Plasmonic Imaging. <i>ACS Nano</i> , 2019, 13, 8609-8617.	14.6	61
6	Microfluidic Platform for Direct Capture and Analysis of Airborne <i>Mycobacterium tuberculosis</i> . <i>Analytical Chemistry</i> , 2014, 86, 5815-5821.	6.5	53
7	A continuous-flow high-throughput microfluidic device for airborne bacteria PCR detection. <i>Lab on A Chip</i> , 2014, 14, 671-676.	6.0	51
8	High-Throughput Microfluidic Device for LAMP Analysis of Airborne Bacteria. <i>ACS Sensors</i> , 2016, 1, 958-962.	7.8	43
9	One-Step Digital Immunoassay for Rapid and Sensitive Detection of Cardiac Troponin I. <i>ACS Sensors</i> , 2020, 5, 1126-1131.	7.8	35
10	Sorption of organochlorine pesticides on polyethylene microplastics in soil suspension. <i>Ecotoxicology and Environmental Safety</i> , 2021, 223, 112591.	6.0	33
11	Rapid Antimicrobial Susceptibility Testing of Patient Urine Samples Using Large Volume Free-Solution Light Scattering Microscopy. <i>Analytical Chemistry</i> , 2019, 91, 10164-10171.	6.5	29
12	A novel microfluidic module for rapid detection of airborne and waterborne pathogens. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 1138-1145.	7.8	28
13	First airborne pathogen direct analysis system. <i>Analyst, The</i> , 2016, 141, 1637-1640.	3.5	26
14	Rapid Capture and Analysis of Airborne <i>Staphylococcus aureus</i> in the Hospital Using a Microfluidic Chip. <i>Micromachines</i> , 2016, 7, 169.	2.9	23
15	A novel test strip for organophosphorus detection. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 803-810.	7.8	21
16	An integrated microfluidic device for rapid serodiagnosis of amebiasis. <i>Biomicrofluidics</i> , 2013, 7, 11101.	2.4	16
17	Characteristics of a Microcystin-LR Biodegrading Bacterial Isolate: <i>Ochrobactrum</i> sp. FDT5. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014, 92, 119-122.	2.7	16
18	Label-Free Quantification of Small-Molecule Binding to Membrane Proteins on Single Cells by Tracking Nanometer-Scale Cellular Membrane Deformation. <i>ACS Nano</i> , 2018, 12, 2056-2064.	14.6	16

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19	Direct Antimicrobial Susceptibility Testing on Clinical Urine Samples by Optical Tracking of Single Cell Division Events. <i>Small</i> , 2020, 16, e2004148.	10.0	14
20	Rapid Antibiotic Susceptibility Testing Based on Bacterial Motion Patterns With Long Short- Term Memory Neural Networks. <i>IEEE Sensors Journal</i> , 2020, 20, 4940-4950.	4.7	14
21	Probing Single-Molecule Binding Event by the Dynamic Counting and Mapping of Individual Nanoparticles. <i>ACS Sensors</i> , 2021, 6, 523-529.	7.8	13
22	Gradient-Based Rapid Digital Immunoassay for High-Sensitivity Cardiac Troponin T (hs-cTnT) Detection in 1 $\mu$ L Plasma. <i>ACS Sensors</i> , 2021, 6, 399-407.	7.8	12
23	A self-powered rapid loading microfluidic chip for vector-borne viruses detection using RT-LAMP. <i>Sensors and Actuators B: Chemical</i> , 2021, 333, 129521.	7.8	12
24	A method for particulate matter 2.5 (PM2.5) biotoxicity assay using luminescent bacterium. <i>Ecotoxicology and Environmental Safety</i> , 2019, 170, 796-803.	6.0	9
25	Simultaneous Quantification of Protein Binding Kinetics in Whole Cells with Surface Plasmon Resonance Imaging and Edge Deformation Tracking. <i>Membranes</i> , 2020, 10, 247.	3.0	8
26	Three-Dimensional Tracking of Tethered Particles for Probing Nanometer-Scale Single-Molecule Dynamics Using a Plasmonic Microscope. <i>ACS Sensors</i> , 2021, 6, 4234-4243.	7.8	7
27	Multi-parametric MRI-based radiomics for the diagnosis of malignant soft-tissue tumor. <i>Magnetic Resonance Imaging</i> , 2022, 91, 91-99.	1.8	5
28	Bioanalysis within Microfluidics: A Review. <i>ACS Symposium Series</i> , 2015, , 245-268.	0.5	4
29	A novel method for multiple cytokines/chemokines DropArray assay in 5 $\mu$ L of bronchoalveolar lavage fluid (BALF) in mice. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 195-201.	7.8	4
30	Real-time detection of antibiotic activity by measuring nanometer-scale bacterial deformation. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	2.6	3
31	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
32	Rapid Diagnosis by Microfluidic Techniques. , 2016, , .		2
33	Charge-Sensitive Optical Detection of Small Molecule Binding Kinetics in Normal Ionic Strength Buffer. <i>ACS Sensors</i> , 2021, 6, 364-370.	7.8	2
34	A Three-Dimensional Micromixer Using Oblique Embedded Ridges. <i>Micromachines</i> , 2021, 12, 806.	2.9	1