

# Junge Chen

## List of Publications by Citations

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**Version:** 2024-04-28

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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.

30  
papers

500  
citations

14  
h-index

21  
g-index

33  
ext. papers

712  
ext. citations

7.4  
avg, IF

4.11  
L-index

#	Paper	IF	Citations
30	Isolation and Visible Detection of Tumor-Derived Exosomes from Plasma. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 14207-14215	7.8	75
29	Rapid and efficient isolation and detection of extracellular vesicles from plasma for lung cancer diagnosis. <i>Lab on A Chip</i> , <b>2019</b> , 19, 432-443	7.2	36
28	Sensitive and rapid detection of pathogenic bacteria from urine samples using multiplex recombinase polymerase amplification. <i>Lab on A Chip</i> , <b>2018</b> , 18, 2441-2452	7.2	36
27	A microfluidic device with passive air-bubble valves for real-time measurement of dose-dependent drug cytotoxicity through impedance sensing. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 32, 300-4	11.8	35
26	Multiplex detection of bacteria on an integrated centrifugal disk using bead-beating lysis and loop-mediated amplification. <i>Scientific Reports</i> , <b>2017</b> , 7, 1460	4.9	28
25	Reduced Graphene Oxide-Based Solid-Phase Extraction for the Enrichment and Detection of microRNA. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 10137-10140	7.8	28
24	Enhancing the Sensitivity of Lateral Flow Immunoassay by Centrifugation-Assisted Flow Control. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 4814-4820	7.8	22
23	A portable microfluidic analyzer for integrated bacterial detection using visible loop-mediated amplification. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 310, 127834	8.5	22
22	The construction of an individually addressable cell array for selective patterning and electroporation. <i>Lab on A Chip</i> , <b>2011</b> , 11, 2417-23	7.2	22
21	High-throughput in situ cell electroporation microsystem for parallel delivery of single guide RNAs into mammalian cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 42512	4.9	21
20	A sheath-less electric impedance micro-flow cytometry device for rapid label-free cell classification and viability testing. <i>Analytical Methods</i> , <b>2017</b> , 9, 1201-1212	3.2	19
19	An enhanced centrifugation-assisted lateral flow immunoassay for the point-of-care detection of protein biomarkers. <i>Lab on A Chip</i> , <b>2020</b> , 20, 2626-2634	7.2	18
18	A fully sealed plastic chip for multiplex PCR and its application in bacteria identification. <i>Lab on A Chip</i> , <b>2015</b> , 15, 2826-34	7.2	15
17	Cell electroporation with a three-dimensional microelectrode array on a printed circuit board. <i>Bioelectrochemistry</i> , <b>2015</b> , 102, 35-41	5.6	14
16	Conditional siphon priming for multi-step assays on centrifugal microfluidic platforms. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 242, 710-717	8.5	13
15	In vitro hyperthermia studied in a continuous manner using electric impedance sensing. <i>RSC Advances</i> , <b>2015</b> , 5, 62007-62016	3.7	12
14	Comprehensive Study of the Flow Control Strategy in a Wirelessly Charged Centrifugal Microfluidic Platform with Two Rotation Axes. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 9315-9321	7.8	12

13	Rapid and Automated Detection of Six Contaminants in Milk Using a Centrifugal Microfluidic Platform with Two Rotation Axes. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 7958-7964	7.8	11
12	An individually addressable suspended-drop electroporation system for high-throughput cell transfection. <i>Lab on A Chip</i> , <b>2014</b> , 14, 686-90	7.2	11
11	Interruptible siphon valving for centrifugal microfluidic platforms. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 276, 313-321	8.5	8
10	A self-contained and fully integrated fluidic cassette system for multiplex nucleic acid detection of bacteriuria. <i>Lab on A Chip</i> , <b>2020</b> , 20, 384-393	7.2	8
9	High-quality milk exosomes as oral drug delivery system. <i>Biomaterials</i> , <b>2021</b> , 277, 121126	15.6	7
8	A novel electromagnet-triggered pillar valve and its application in immunoassay on a centrifugal platform. <i>Lab on A Chip</i> , <b>2019</b> , 19, 1728-1735	7.2	6
7	A Microfluidic-Based SNP Genotyping Method for Hereditary Hearing-Loss Detection. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 6111-6117	7.8	6
6	Endosomal escapable cryo-treatment-driven membrane-encapsulated Ga liquid-metal transformer to facilitate intracellular therapy. <i>Matter</i> , <b>2021</b> ,	12.7	6
5	Sensitive and Rapid Diagnosis of Respiratory Virus Coinfection Using a Microfluidic Chip-Powered CRISPR/Cas12a System. <i>Small</i> , <b>2020</b> , 16, 2200854	11	4
4	Highly uniform in-situ cell electrotransfection of adherent cultures using grouped interdigitated electrodes. <i>Bioelectrochemistry</i> , <b>2020</b> , 132, 107435	5.6	2
3	Multiplexed detection of respiratory pathogens with a portable analyzer in a "raw-sample-in and answer-out" manner. <i>Microsystems and Nanoengineering</i> , <b>2021</b> , 7, 94	7.7	1
2	A Portable Microfluidic System for Point-of-Care Detection of Multiple Protein Biomarkers. <i>Micromachines</i> , <b>2021</b> , 12,	3.3	1
1	Functionalized Macrophage Exosomes with Panobinostat and PPM1D-siRNA for Diffuse Intrinsic Pontine Gliomas Therapy.. <i>Advanced Science</i> , <b>2022</b> , e2200353	13.6	1