

# Yong Zeng

## List of Publications by Year in descending order

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38  
papers

3,219  
citations

279701

23  
h-index

315616

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g-index

42  
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42  
docs citations

42  
times ranked

4146  
citing authors

#	ARTICLE	IF	CITATIONS
1	A microfluidic ExoSearch chip for multiplexed exosome detection towards blood-based ovarian cancer diagnosis. <i>Lab on A Chip</i> , 2016, 16, 489-496.	3.1	523
2	Integrated immunoisolation and protein analysis of circulating exosomes using microfluidic technology. <i>Lab on A Chip</i> , 2014, 14, 3773.	3.1	412
3	Ultrasensitive detection of circulating exosomes with a 3D-nanopatterned microfluidic chip. <i>Nature Biomedical Engineering</i> , 2019, 3, 438-451.	11.6	382
4	Ultrasensitive microfluidic analysis of circulating exosomes using a nanostructured graphene oxide/polydopamine coating. <i>Lab on A Chip</i> , 2016, 16, 3033-3042.	3.1	309
5	High-Performance Single Cell Genetic Analysis Using Microfluidic Emulsion Generator Arrays. <i>Analytical Chemistry</i> , 2010, 82, 3183-3190.	3.2	210
6	Self-Assembled Colloidal Arrays as Three-Dimensional Nanofluidic Sieves for Separation of Biomolecules on Microchips. <i>Analytical Chemistry</i> , 2007, 79, 2289-2295.	3.2	165
7	Microfluidic Exosome Analysis toward Liquid Biopsy for Cancer. <i>Journal of the Association for Laboratory Automation</i> , 2016, 21, 599-608.	2.8	141
8	Single-Cell Multiplex Gene Detection and Sequencing with Microfluidically Generated Agarose Emulsions. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 390-395.	7.2	129
9	Multiplexed immunophenotyping of circulating exosomes on nano-engineered ExoProfile chip towards early diagnosis of cancer. <i>Chemical Science</i> , 2019, 10, 5495-5504.	3.7	118
10	Molecular and functional extracellular vesicle analysis using nanopatterned microchips monitors tumor progression and metastasis. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	79
11	Ultrasensitive microfluidic solid-phase ELISA using an actuatable microwell-patterned PDMS chip. <i>Lab on A Chip</i> , 2013, 13, 4190.	3.1	76
12	Microfluidic Self-Patterning of Large-Scale Crystalline Nanoarrays for High-Throughput Continuous DNA Fractionation. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6388-6391.	7.2	53
13	Advances in Analytical Technologies for Extracellular Vesicles. <i>Analytical Chemistry</i> , 2021, 93, 4739-4774.	3.2	53
14	Programmable active droplet generation enabled by integrated pneumatic micropumps. <i>Lab on A Chip</i> , 2013, 13, 267-273.	3.1	49
15	Microfluidic exponential rolling circle amplification for sensitive microRNA detection directly from biological samples. <i>Sensors and Actuators B: Chemical</i> , 2019, 279, 447-457.	4.0	47
16	Integrated Microfluidic Lectin Barcode Platform for High-Performance Focused Glycomic Profiling. <i>Scientific Reports</i> , 2016, 6, 20297.	1.6	43
17	Ultrasensitive quantification of tumor mRNAs in extracellular vesicles with an integrated microfluidic digital analysis chip. <i>Lab on A Chip</i> , 2018, 18, 3790-3801.	3.1	43
18	Advances, challenges, and opportunities in extracellular RNA biology: insights from the NIH exRNA Strategic Workshop. <i>JCI Insight</i> , 2018, 3, .	2.3	41

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19	Advances in microfluidic extracellular vesicle analysis for cancer diagnostics. <i>Lab on A Chip</i> , 2021, 21, 3219-3243.	3.1	39
20	Microvalve Enabled Digital Microfluidic Systems for High-Performance Biochemical and Genetic Analysis. <i>Journal of the Association for Laboratory Automation</i> , 2010, 15, 455-463.	2.8	35
21	Single molecule quantitation and sequencing of rare translocations using microfluidic nested digital PCR. <i>Nucleic Acids Research</i> , 2013, 41, e159-e159.	6.5	33
22	Confinement effects on the morphology of photopatterned porous polymer monoliths for capillary and microchip electrophoresis of proteins. <i>Electrophoresis</i> , 2008, 29, 2980-2986.	1.3	30
23	A microfluidic alternating-pull-push active digitization method for sample-loss-free digital PCR. <i>Lab on A Chip</i> , 2019, 19, 4104-4116.	3.1	28
24	Digital PCR using micropatterned superporous absorbent array chips. <i>Analyst, The</i> , 2016, 141, 3821-3831.	1.7	22
25	Molecular assessment of circulating exosomes toward liquid biopsy diagnosis of Ewing sarcoma family of tumors. <i>Translational Research</i> , 2018, 201, 136-153.	2.2	20
26	Quantitative microfluidic biomolecular analysis for systems biology and medicine. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5743-5758.	1.9	19
27	Selected technologies for measuring acquired genetic damage in humans. <i>Environmental and Molecular Mutagenesis</i> , 2010, 51, 851-870.	0.9	18
28	Nano pom-poms prepared exosomes enable highly specific cancer biomarker detection. <i>Communications Biology</i> , 2022, 5, .	2.0	16
29	Confinement effects on electromigration of long DNA molecules in an ordered cavity array. <i>Electrophoresis</i> , 2006, 27, 3747-3752.	1.3	14
30	Microfluidic communicating vessel chip for expedited and automated immunomagnetic assays. <i>Lab on A Chip</i> , 2018, 18, 3830-3839.	3.1	14
31	Tunable thick polymer coatings for on-chip electrophoretic protein and peptide separation. <i>Journal of Chromatography A</i> , 2012, 1241, 112-116.	1.8	13
32	Exosome aggregation mediated stop-flow paper-based portable device for rapid exosome quantification. <i>Electrophoresis</i> , 2020, 41, 311-318.	1.3	8
33	Microfluidic circulating reactor system for sensitive and automated duplex-specific nuclease-mediated microRNA detection. <i>Talanta</i> , 2021, 232, 122396.	2.9	6
34	Comparison of separation modes for microchip electrophoresis of proteins. <i>Journal of Separation Science</i> , 2021, 44, 744-751.	1.3	3
35	Microchip electrophoresis assay for calmodulin binding proteins. <i>Journal of Separation Science</i> , 2021, 44, 895-902.	1.3	2
36	Focused Glycomic Profiling With an Integrated Microfluidic Lectin Barcode System. <i>Methods in Enzymology</i> , 2018, 598, 169-196.	0.4	1

#	ARTICLE	IF	CITATIONS
37	Editorial for the Special Issue on "Micro- and Nanofluidics for Bionanoparticle Analysis", Micromachines, 2019, 10, 600.	1.4	0
38	Microfluidic Multistage Integration for Analysis of Circulating Exosomes. , 2016, , 113-139.		0