Yong Zeng

List of Publications by Year
in descending order

38 papers	3,219 citations	279701 23 h-index	315616 38 g-index
42 all docs	42 docs citations	42 times ranked	4146 citing authors

#	Article	IF	Citations
1	Nano pom-poms prepared exosomes enable highly specific cancer biomarker detection. Communications Biology, 2022, 5, .	2.0	16
2	Comparison of separation modes for microchip electrophoresis of proteins. Journal of Separation Science, 2021, 44, 744-751.	1.3	3
3	Advances in microfluidic extracellular vesicle analysis for cancer diagnostics. Lab on A Chip, 2021, 21, 3219-3243.	3.1	39
4	Microchip electrophoresis assay for calmodulin binding proteins. Journal of Separation Science, 2021, 44, 895-902.	1.3	2
5	Advances in Analytical Technologies for Extracellular Vesicles. Analytical Chemistry, 2021, 93, 4739-4774.	3.2	53
6	Microfluidic circulating reactor system for sensitive and automated duplex-specific nuclease-mediated microRNA detection. Talanta, 2021, 232, 122396.	2.9	6
7	Exosome aggregation mediated stopâ€flow paperâ€based portable device for rapid exosome quantification. Electrophoresis, 2020, 41, 311-318.	1.3	8
8	Molecular and functional extracellular vesicle analysis using nanopatterned microchips monitors tumor progression and metastasis. Science Translational Medicine, 2020, 12, .	5.8	79
9	Editorial for the Special Issue on â€œMicro- and Nanofluidics for Bionanoparticle Analysisâ€. Micromachines, 2019, 10, 600.	1.4	0
10	Multiplexed immunophenotyping of circulating exosomes on nano-engineered ExoProfile chip towards early diagnosis of cancer. Chemical Science, 2019, 10, 5495-5504.	3.7	118
11	Ultrasensitive detection of circulating exosomes with a 3D-nanopatterned microfluidic chip. Nature Biomedical Engineering, 2019, 3, 438-451.	11.6	382
12	A microfluidic alternating-pullâ€“push active digitization method for sample-loss-free digital PCR. Lab on A Chip, 2019, 19, 4104-4116.	3.1	28
13	Microfluidic exponential rolling circle amplification for sensitive microRNA detection directly from biological samples. Sensors and Actuators B: Chemical, 2019, 279, 447-457.	4.0	47
14	Advances, challenges, and opportunities in extracellular RNA biology: insights from the NIH exRNA Strategic Workshop. JCI Insight, 2018, 3, .	2.3	41
15	Ultrasensitive quantification of tumor mRNAs in extracellular vesicles with an integrated microfluidic digital analysis chip. Lab on A Chip, 2018, 18, 3790-3801.	3.1	43
16	Microfluidic communicating vessel chip for expedited and automated immunomagnetic assays. Lab on A Chip, 2018, 18, 3830-3839.	3.1	14
17	Molecular assessment of circulating exosomes toward liquid biopsy diagnosis of Ewing sarcoma family of tumors. Translational Research, 2018, 201, 136-153.	2.2	20
18	Focused Glycomic Profiling With an Integrated Microfluidic Lectin Barcode System. Methods in Enzymology, 2018, 598, 169-196.	0.4	1

#	Article	IF	Citations
19	Integrated Microfluidic Lectin Barcode Platform for High-Performance Focused Glycomic Profiling. Scientific Reports, 2016, 6, 20297.	1.6	43
20	Microfluidic Exosome Analysis toward Liquid Biopsy for Cancer. Journal of the Association for Laboratory Automation, 2016, 21, 599-608.	2.8	141
21	Digital PCR using micropatterned superporous absorbent array chips. Analyst, The, 2016, 141, 3821-3831.	1.7	22
22	Ultrasensitive microfluidic analysis of circulating exosomes using a nanostructured graphene oxide/polydopamine coating. Lab on A Chip, 2016, 16, 3033-3042.	3.1	309
23	A microfluidic ExoSearch chip for multiplexed exosome detection towards blood-based ovarian cancer diagnosis. Lab on A Chip, 2016, 16, 489-496.	3.1	523
24	Microfluidic Multistage Integration for Analysis of Circulating Exosomes. , 2016, , 113-139.		0
25	Integrated immunoisolation and protein analysis of circulating exosomes using microfluidic technology. Lab on A Chip, 2014, 14, 3773.	3.1	412
26	Ultrasensitive microfluidic solid-phase ELISA using an actuatable microwell-patterned PDMS chip. Lab on A Chip, 2013, 13, 4190.	3.1	76
27	Single molecule quantitation and sequencing of rare translocations using microfluidic nested digital PCR. Nucleic Acids Research, 2013, 41, e159-e159.	6.5	33
28	Programmable active droplet generation enabled by integrated pneumatic micropumps. Lab on A Chip, 2013, 13, 267-273.	3.1	49
29	Quantitative microfluidic biomolecular analysis for systems biology and medicine. Analytical and Bioanalytical Chemistry, 2013, 405, 5743-5758.	1.9	19
30	Tunable thick polymer coatings for on-chip electrophoretic protein and peptide separation. Journal of Chromatography A, 2012, 1241, 112-116.	1.8	13
31	Singleâ€Cell Multiplex Gene Detection and Sequencing with Microfluidically Generated Agarose Emulsions. Angewandte Chemie - International Edition, 2011, 50, 390-395.	7.2	129
32	Selected technologies for measuring acquired genetic damage in humans. Environmental and Molecular Mutagenesis, 2010, 51, 851-870.	0.9	18
33	Microvalve Enabled Digital Microfluidic Systems for High-Performance Biochemical and Genetic Analysis. Journal of the Association for Laboratory Automation, 2010, 15, 455-463.	2.8	35
34	High-Performance Single Cell Genetic Analysis Using Microfluidic Emulsion Generator Arrays. Analytical Chemistry, 2010, 82, 3183-3190.	3.2	210
35	Confinement effects on the morphology of photopatterned porous polymer monoliths for capillary and microchip electrophoresis of proteins. Electrophoresis, 2008, 29, 2980-2986.	1.3	30
36	Microfluidic Selfâ€Patterning of Largeâ€Scale Crystalline Nanoarrays for Highâ€Throughput Continuous DNA Fractionation. Angewandte Chemie - International Edition, 2008, 47, 6388-6391.	7.2	53

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37	Self-Assembled Colloidal Arrays as Three-Dimensional Nanofluidic Sieves for Separation of Biomolecules on Microchips. Analytical Chemistry, 2007, 79, 2289-2295.	3.2	165
38	Confinement effects on electromigration of long DNA molecules in an ordered cavity array. Electrophoresis, 2006, 27, 3747-3752.	1.3	14