Yong Zeng

List of Publications by Year
in descending order

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38 papers	3,219 citations	279798 23 h-index	315739 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, .	4.4	16
2	Comparison of separation modes for microchip electrophoresis of proteins. Journal of Separation Science, 2021, 44, 744-751.	2.5	3
3	Advances in microfluidic extracellular vesicle analysis for cancer diagnostics. Lab on A Chip, 2021, 21, 3219-3243.	6.0	39
4	Microchip electrophoresis assay for calmodulin binding proteins. Journal of Separation Science, 2021, 44, 895-902.	2.5	2
5	Advances in Analytical Technologies for Extracellular Vesicles. Analytical Chemistry, 2021, 93, 4739-4774.	6.5	53
6	Microfluidic circulating reactor system for sensitive and automated duplex-specific nuclease-mediated microRNA detection. Talanta, 2021, 232, 122396.	5.5	6
7	Exosome aggregation mediated stopâ€flow paperâ€based portable device for rapid exosome quantification. Electrophoresis, 2020, 41, 311-318.	2.4	8
8	Molecular and functional extracellular vesicle analysis using nanopatterned microchips monitors tumor progression and metastasis. Science Translational Medicine, 2020, 12, .	12.4	79
9	Editorial for the Special Issue on â€œMicro- and Nanofluidics for Bionanoparticle Analysisâ€. Micromachines, 2019, 10, 600.	2.9	0
10	Multiplexed immunophenotyping of circulating exosomes on nano-engineered ExoProfile chip towards early diagnosis of cancer. Chemical Science, 2019, 10, 5495-5504.	7.4	118
11	Ultrasensitive detection of circulating exosomes with a 3D-nanopatterned microfluidic chip. Nature Biomedical Engineering, 2019, 3, 438-451.	22.5	382
12	A microfluidic alternating-pullâ€“push active digitization method for sample-loss-free digital PCR. Lab on A Chip, 2019, 19, 4104-4116.	6.0	28
13	Microfluidic exponential rolling circle amplification for sensitive microRNA detection directly from biological samples. Sensors and Actuators B: Chemical, 2019, 279, 447-457.	7.8	47
14	Advances, challenges, and opportunities in extracellular RNA biology: insights from the NIH exRNA Strategic Workshop. JCI Insight, 2018, 3, .	5.0	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.	6.0	43
16	Microfluidic communicating vessel chip for expedited and automated immunomagnetic assays. Lab on A Chip, 2018, 18, 3830-3839.	6.0	14
17	Molecular assessment of circulating exosomes toward liquid biopsy diagnosis of Ewing sarcoma family of tumors. Translational Research, 2018, 201, 136-153.	5.0	20
18	Focused Glycomic Profiling With an Integrated Microfluidic Lectin Barcode System. Methods in Enzymology, 2018, 598, 169-196.	1.0	1

#	Article	IF	Citations
19	Integrated Microfluidic Lectin Barcode Platform for High-Performance Focused Glycomic Profiling. Scientific Reports, 2016, 6, 20297.	3.3	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.	3.5	22
22	Ultrasensitive microfluidic analysis of circulating exosomes using a nanostructured graphene oxide/polydopamine coating. Lab on A Chip, 2016, 16, 3033-3042.	6.0	309
23	A microfluidic ExoSearch chip for multiplexed exosome detection towards blood-based ovarian cancer diagnosis. Lab on A Chip, 2016, 16, 489-496.	6.0	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.	6.0	412
26	Ultrasensitive microfluidic solid-phase ELISA using an actuatable microwell-patterned PDMS chip. Lab on A Chip, 2013, 13, 4190.	6.0	76
27	Single molecule quantitation and sequencing of rare translocations using microfluidic nested digital PCR. Nucleic Acids Research, 2013, 41, e159-e159.	14.5	33
28	Programmable active droplet generation enabled by integrated pneumatic micropumps. Lab on A Chip, 2013, 13, 267-273.	6.0	49
29	Quantitative microfluidic biomolecular analysis for systems biology and medicine. Analytical and Bioanalytical Chemistry, 2013, 405, 5743-5758.	3.7	19
30	Tunable thick polymer coatings for on-chip electrophoretic protein and peptide separation. Journal of Chromatography A, 2012, 1241, 112-116.	3.7	13
31	Singleâ€Cell Multiplex Gene Detection and Sequencing with Microfluidically Generated Agarose Emulsions. Angewandte Chemie - International Edition, 2011, 50, 390-395.	13.8	129
32	Selected technologies for measuring acquired genetic damage in humans. Environmental and Molecular Mutagenesis, 2010, 51, 851-870.	2.2	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.	6.5	210
35	Confinement effects on the morphology of photopatterned porous polymer monoliths for capillary and microchip electrophoresis of proteins. Electrophoresis, 2008, 29, 2980-2986.	2.4	30
36	Microfluidic Selfâ€Patterning of Largeâ€Scale Crystalline Nanoarrays for Highâ€Throughput Continuous DNA Fractionation. Angewandte Chemie - International Edition, 2008, 47, 6388-6391.	13.8	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.	6.5	165
38	Confinement effects on electromigration of long DNA molecules in an ordered cavity array. Electrophoresis, 2006, 27, 3747-3752.	2.4	14