Taotao Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

17 papers	819 citations	623734 14 h-index	1058476 14 g-index
17 all docs	17 docs citations	17 times ranked	1018 citing authors

#	Article	IF	Citations
1	Label-free ferrohydrodynamic cell separation of circulating tumor cells. Lab on A Chip, 2017, 17, 3097-3111.	6.0	56
2	Labelâ€Free and Continuousâ€Flow Ferrohydrodynamic Separation of HeLa Cells and Blood Cells in Biocompatible Ferrofluids. Advanced Functional Materials, 2016, 26, 3990-3998.	14.9	77
3	Fluorocarbon Oil Reinforced Triple Emulsion Drops. Advanced Materials, 2016, 28, 8425-8430.	21.0	37
4	Synchronizing stochastic circadian oscillators in single cells of Neurospora crassa. Scientific Reports, 2016, 6, 35828.	3.3	17
5	Triple Emulsion Drops with An Ultrathin Water Layer: High Encapsulation Efficiency and Enhanced Cargo Retention in Microcapsules. Advanced Materials, 2016, 28, 3340-3344.	21.0	55
6	Encapsulation and Enhanced Retention of Fragrance in Polymer Microcapsules. ACS Applied Materials & Interfaces, 2016, 8, 4007-4013.	8.0	115
7	Magnetic-Field-Assisted Fabrication and Manipulation of Nonspherical Polymer Particles in Ferrofluid-Based Droplet Microfluidics. Langmuir, 2015, 31, 8531-8534.	3.5	18
8	Three-dimensional and analytical modeling of microfluidic particle transport in magnetic fluids. Microfluidics and Nanofluidics, 2014, 16, 1143-1154.	2.2	36
9	Combining positive and negative magnetophoreses to separate particles of different magnetic properties. Microfluidics and Nanofluidics, 2014, 17, 973-982.	2.2	43
10	Ferrofluidic platform for cell and droplet manipulation. , 2013, , .		1
11	Continuous-flow ferrohydrodynamic sorting of particles and cells in microfluidic devices. Microfluidics and Nanofluidics, 2012, 13, 645-654.	2.2	99
12	Analytical model of microfluidic transport of non-magnetic particles in ferrofluids under the influence of a permanent magnet. Microfluidics and Nanofluidics, 2011, 10, 1233-1245.	2.2	82
13	Focusing microparticles in a microfluidic channel with ferrofluids. Microfluidics and Nanofluidics, 2011, 11, 695-701.	2.2	63
14	Focusing microparticles in a microfluidic channel with ferrofluids. , 2011, , .		1
15	Continuous separation of non-magnetic particles inside ferrofluids. Microfluidics and Nanofluidics, 2010, 9, 1003-1009.	2.2	83
16	Continuous separation of non-magnetic particles through negative magnetophoresis inside ferrofluids. , 2010, , .		4
17	Design, synthesis and structureâ€“activity relationships of antiproliferative 1,3-disubstituted urea derivatives. European Journal of Medicinal Chemistry, 2009, 44, 453-459.	5.5	32