

Di Li

List of Publications by Year in descending order

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papers

399
citations

623734

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19
docs citations

19
times ranked

362
citing authors

#	ARTICLE	IF	CITATIONS
1	Viscoelastic Separation of Particles by Size in Straight Rectangular Microchannels: A Parametric Study for a Refined Understanding. <i>Analytical Chemistry</i> , 2016, 88, 12303-12309.	6.5	60
2	Simultaneous Separation and Washing of Nonmagnetic Particles in an Inertial Ferrofluid/Water Coflow. <i>Analytical Chemistry</i> , 2017, 89, 6915-6920.	6.5	40
3	Electroosmotic flow of non-Newtonian fluids in a constriction microchannel. <i>Electrophoresis</i> , 2019, 40, 1387-1394.	2.4	40
4	Tunable, Sheathless Focusing of Diamagnetic Particles in Ferrofluid Microflows with a Single Set of Overhead Permanent Magnets. <i>Analytical Chemistry</i> , 2018, 90, 8600-8606.	6.5	30
5	Fluid rheological effects on particle migration in a straight rectangular microchannel. <i>Microfluidics and Nanofluidics</i> , 2018, 22, 1.	2.2	25
6	Fluid Rheological Effects on the Flow of Polymer Solutions in a Contraction-Expansion Microchannel. <i>Micromachines</i> , 2020, 11, 278.	2.9	23
7	Yeast cell fractionation by morphology in dilute ferrofluids. <i>Biomicrofluidics</i> , 2017, 11, 064102.	2.4	20
8	Vortex trapping and separation of particles in shear thinning fluids. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	19
9	Electrokinetic instability in microchannel viscoelastic fluid flows with conductivity gradients. <i>Physics of Fluids</i> , 2019, 31, .	4.0	16
10	Sheathless electrokinetic particle separation in a bifurcating microchannel. <i>Biomicrofluidics</i> , 2016, 10, 054104.	2.4	15
11	Surface-conduction enhanced dielectrophoretic-like particle migration in electric-field driven fluid flow through a straight rectangular microchannel. <i>Physics of Fluids</i> , 2017, 29, .	4.0	15
12	Experimental study of particle electrophoresis in shear-thinning fluids. <i>Physics of Fluids</i> , 2019, 31, .	4.0	15
13	The motion of rigid particles in the Poiseuille flow of pseudoplastic fluids through straight rectangular microchannels. <i>Microfluidics and Nanofluidics</i> , 2019, 23, 1.	2.2	14
14	Elastic instabilities in the electroosmotic flow of non-Newtonian fluids through T-shaped microchannels. <i>Electrophoresis</i> , 2020, 41, 588-597.	2.4	14
15	Continuous sheath-free separation of drug-treated human fungal pathogen <i>Cryptococcus neoformans</i> by morphology in biocompatible polymer solutions. <i>Electrophoresis</i> , 2018, 39, 2362-2369.	2.4	13
16	Particle separation in xanthan gum solutions. <i>Microfluidics and Nanofluidics</i> , 2019, 23, 1.	2.2	12
17	Electrokinetically enhanced cross-stream particle migration in viscoelastic flows. <i>Journal of Fluid Mechanics</i> , 2020, 898, .	3.4	12
18	Revisit of wall-induced lateral migration in particle electrophoresis through a straight rectangular microchannel: Effects of particle zeta potential. <i>Electrophoresis</i> , 2019, 40, 955-960.	2.4	8

#	ARTICLE	IF	CITATIONS
19	A depth-averaged model for Newtonian fluid flows in shallow microchannels. Physics of Fluids, 2021, 33, .	4.0	8