

Liang-Liang Fan

List of Publications by Year in descending order

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15
papers

167
citations

1163117

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1125743

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15
all docs

15
docs citations

15
times ranked

182
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical simulation on the flow and heat transfer characteristics in the one-side heating helically coiled tubes. <i>Applied Thermal Engineering</i> , 2016, 106, 579-587.	6.0	27
2	Rapid microfluidic mixer utilizing sharp corner structures. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	2.2	24
3	Continuous size-based separation of microparticles in a microchannel with symmetric sharp corner structures. <i>Biomicrofluidics</i> , 2014, 8, 024108.	2.4	19
4	High-throughput, single-stream microparticle focusing using a microchannel with asymmetric sharp corners. <i>Microfluidics and Nanofluidics</i> , 2014, 17, 639-646.	2.2	16
5	Continuous 3D particle focusing in a microchannel with curved and symmetric sharp corner structures. <i>Journal of Micromechanics and Microengineering</i> , 2015, 25, 035020.	2.6	14
6	Single particle train ordering in microchannel based on inertial and vortex effects. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 065011.	2.6	12
7	Inertial particle focusing in microchannels with gradually changing geometrical structures. <i>Journal of Micromechanics and Microengineering</i> , 2017, 27, 015027.	2.6	11
8	Continuous sheath-free focusing of microparticles in viscoelastic and Newtonian fluids. <i>Microfluidics and Nanofluidics</i> , 2019, 23, 1.	2.2	9
9	Enhanced viscoelastic focusing of particle in microchannel. <i>Electrophoresis</i> , 2020, 41, 973-982.	2.4	8
10	Enhancement of passive mixing via arc microchannel with sharp corner structure. <i>Journal of Micromechanics and Microengineering</i> , 2021, 31, 055009.	2.6	8
11	A passive microfluidic device for continuous microparticle enrichment. <i>Electrophoresis</i> , 2019, 40, 1000-1009.	2.4	7
12	Efficient microfluidic enrichment of nano/submicroparticle in viscoelastic fluid. <i>Electrophoresis</i> , 2021, 42, 2273-2280.	2.4	7
13	Continuous elasto-inertial separation of microparticles using a co-flowing Newtonian-viscoelastic fluid system. <i>Journal of Micromechanics and Microengineering</i> , 2020, 30, 015005.	2.6	4
14	Formation and capture of droplet with high volume ratio of cell to droplet. <i>Journal of Micromechanics and Microengineering</i> , 2021, 31, 085004.	2.6	1
15	The formation of droplet encapsulating particles in a Y-typed microchannel. <i>Measurement: Sensors</i> , 2021, 14, 100039.	1.7	0