Majid Hejazian

List of Publications by Citations

20 papers	792 citations	15 h-index	22 g-index
22 ext. papers	924 ext. citations	4.1 avg, IF	4.78 L-index

#	Paper	IF	Citations
20	Lab on a chip for continuous-flow magnetic cell separation. *Lab on A Chip*, **2015**, 15, 959-70	7.2	232
19	Recent Advances and Future Perspectives on Microfluidic Liquid Handling. *Micromachines*, **2017**, 8, 186	3.3	100
18	Comparative study of Euler and mixture models for turbulent flow of Al2O3 nanofluid inside a horizontal tube. *International Communications in Heat and Mass Transfer*, **2014**, 52, 152-158	5.8	74
17	A Comparative Analysis of Single and Two-Phase Models of Turbulent Convective Heat Transfer in a Tube for TiO2 Nanofluid with CFD. *Numerical Heat Transfer; Part A: Applications*, **2013**, 63, 795-806	2.3	54
16	Magnetofluidic concentration and separation of non-magnetic particles using two magnet arrays. *Biomicrofluidics*, **2016**, 10, 044103	3.2	45
15	Negative magnetophoresis in diluted ferrofluid flow. *Lab on A Chip*, **2015**, 15, 2998-3005	7.2	41
14	Modeling of turbulent forced convective heat transfer and friction factor in a tube for Fe3o4 magnetic nanofluid with computational fluid dynamics. *International Communications in Heat and Mass Transfer*, **2012**, 39, 1293-1296	5.8	39
13	Magnetophoresis of diamagnetic microparticles in a weak magnetic field. *Lab on A Chip*, **2014**, 14, 4609-15	7.2	33
12	A Rapid Magnetofluidic Micromixer Using Diluted Ferrofluid. *Micromachines*, **2017**, 8, 37	3.3	29
11	Natural convection in a rectangular enclosure containing an oval-shaped heat source and filled with Fe3O4/water nanofluid. *International Communications in Heat and Mass Transfer*, **2013**, 44, 135-146	5.8	29
10	Mass transport improvement in microscale using diluted ferrofluid and a non-uniform magnetic field. *RSC Advances*, **2016**, 6, 62439-62444	3.7	25
9	CFD Examination of Convective Heat Transfer and Pressure Drop in a Horizontal Helically Coiled Tube with CuO/Oil Base Nanofluid. *Numerical Heat Transfer; Part A: Applications*, **2014**, 66, 315-329	2.3	22
8	Comparative Numerical Investigation on TiO2/Water Nanofluid Turbulent Flow by Implementation of Single Phase and Two Phase Approaches. *Numerical Heat Transfer; Part A: Applications*, **2014**, 66, 330-348	2.3	19
7	Modeling of mass transfer enhancement in a magnetofluidic micromixer. *Physics of Fluids*, **2019**, 31, 063603	4.1	15
6	Comparative Numerical Study of Nanofluid Heat Transfer through an Annular Channel. *Numerical Heat Transfer; Part A: Applications*, **2015**, 67, 100-117	2.3	15
5	Magnetofluidics for manipulation of convective heat transfer. *International Communications in Heat and Mass Transfer*, **2017**, 81, 149-154	5.8	8
4	Mixing and jetting analysis using continuous flow microfluidic sample delivery devices.. *RSC Advances*, **2020**, 10, 15694-15701	3.7	6

List of Publications

3	A Numerical Study of Sub-Millisecond Integrated Mix-and-Inject Microfluidic Devices for Sample Delivery at Synchrotron and XFELs. *Applied Sciences (Switzerland)*, **2021**, 11, 3404	2.6	3
2	Recent Advances and Future Perspectives on Microfluidic Mix-and-Jet Sample Delivery Devices. *Micromachines*, **2021**, 12,	3.3	3
1	Observations of phase changes in monoolein during high viscous injection.. *Journal of Synchrotron Radiation*, **2022**, 29, 602-614	2.4	