Mehrdad Karimzadehkhouei

List of Publications by Year
in descending order

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23	316	933447	839539
papers	citations	10	18
		h-index	g-index

24	24	24	442
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The effect of nanoparticle type and nanoparticle mass fraction on heat transfer enhancement in pool boiling. International Journal of Heat and Mass Transfer, 2017, 109, 157-166.	4.8	51
2	Inertial Focusing of Microparticles in Curvilinear Microchannels. Scientific Reports, 2016, 6, 38809.	3.3	42
3	Pressure drop and heat transfer characteristics of nanofluids in horizontal microtubes under thermally developing flow conditions. Experimental Thermal and Fluid Science, 2015, 67, 37-47.	2.7	34
4	Inertial focusing of cancer cell lines in curvilinear microchannels. Micro and Nano Engineering, 2019, 2, 53-63.	2.9	28
5	Subcooled flow boiling heat transfer of Î³-Al2O3/water nanofluids in horizontal microtubes and the effect of surface characteristics and nanoparticle deposition. Applied Thermal Engineering, 2017, 127, 536-546.	6.0	25
6	Modeling of ferrofluid magnetic actuation with dynamic magnetic fields in small channels. Microfluidics and Nanofluidics, 2015, 18, 447-460.	2.2	23
7	The effect of asymmetry on micromixing in curvilinear microchannels. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	17
8	Inertial focusing of microparticles in curvilinear microchannels with different curvature angles. Microfluidics and Nanofluidics, 2018, 22, 1.	2.2	15
9	Experimental and Numerical Investigation of Inlet Temperature Effect on Convective Heat Transfer of Î³-Al₂O₃/Water Nanofluid Flows in Microtubes. Heat Transfer Engineering, 2019, 40, 738-752.	1.9	15
10	Inertial Micromixing in Curved Serpentine Micromixers with Different Curve Angles. Fluids, 2019, 4, 204.	1.7	12
11	Experimental investigation on convective heat transfer of non-Newtonian flows of Xanthan gum solutions in microtubes. Experimental Thermal and Fluid Science, 2017, 85, 305-312.	2.7	11
12	Entropy Generation Analysis of Laminar Flows of Water-Based Nanofluids in Horizontal Minitubes under Constant Heat Flux Conditions. Entropy, 2018, 20, 242.	2.2	10
13	Increasing the stability of nanofluids with cavitating flows in micro orifices. Applied Physics Letters, 2016, 109, .	3.3	9
14	Microparticle Inertial Focusing in an Asymmetric Curved Microchannel. Fluids, 2018, 3, 57.	1.7	6
15	On bubble dynamics in subcooled nucleate boiling on a platinum wire. International Journal of Thermal Sciences, 2019, 137, 1-12.	4.9	5
16	Changing bubble dynamics in subcooled boiling with TiO 2 nanoparticles on a platinum wire. Journal of Molecular Liquids, 2017, 242, 456-470.	4.9	4
17	Stick and oscillatory behavior of bubbles due to TiO2 nanoparticle coating in subcooled pool boiling on a wire. Applied Physics Letters, 2017, 111, 061601.	3.3	3
18	Evaluation of the Effects of Aging on the Aorta Stiffness in Relation with Mineral and Trace Element Levels: an Optimized Method via Custom-Built Stretcher Device. Biological Trace Element Research, 2021, 199, 2644-2652.	3.5	3

#	Article	IF	Citations
19	Investigation of single air bubble dynamics and the effect of nanoparticles in rectangular minichannels. Journal of Molecular Liquids, 2019, 279, 510-517.	4.9	2
20	Deagglomeration of nanoparticle clusters in a â€œcavitation on chipâ€•device. AIP Advances, 2020, 10, 115204.	1.3	1
21	Simulation of Magnetic Actuation of Ferrofluids in Microtubes. , 2013, , .		0
22	Experimental Study on Heat Transfer of Multi-Walled Carbon Nanotubes/Water Nanofluids in Horizontal Microtubes. , 2016, , .		0
23	Thermal Bioeffect of Hybrid Microfluidic System Used for Particle and Cell Separation. , 2021, , 321-324.		0