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	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
2	Thermal Bioeffect of Hybrid Microfluidic System Used for Particle and Cell Separation. , 2021, , 321-324.		0
3	Deagglomeration of nanoparticle clusters in a â€œcavitation on chipâ€•device. AIP Advances, 2020, 10, 115204.	1.3	1
4	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
5	Inertial focusing of cancer cell lines in curvilinear microchannels. Micro and Nano Engineering, 2019, 2, 53-63.	2.9	28
6	Inertial Micromixing in Curved Serpentine Micromixers with Different Curve Angles. Fluids, 2019, 4, 204.	1.7	12
7	On bubble dynamics in subcooled nucleate boiling on a platinum wire. International Journal of Thermal Sciences, 2019, 137, 1-12.	4.9	5
8	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
9	Microparticle Inertial Focusing in an Asymmetric Curved Microchannel. Fluids, 2018, 3, 57.	1.7	6
10	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
11	Inertial focusing of microparticles in curvilinear microchannels with different curvature angles. Microfluidics and Nanofluidics, 2018, 22, 1.	2.2	15
12	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
13	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
14	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
15	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
16	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
17	The effect of asymmetry on micromixing in curvilinear microchannels. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	17
18	Increasing the stability of nanofluids with cavitating flows in micro orifices. Applied Physics Letters, 2016, 109, .	3.3	9

#	Article	IF	Citations
19	Inertial Focusing of Microparticles in Curvilinear Microchannels. Scientific Reports, 2016, 6, 38809.	3.3	42
20	Experimental Study on Heat Transfer of Multi-Walled Carbon Nanotubes/Water Nanofluids in Horizontal Microtubes. , 2016, , .		0
21	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
22	Modeling of ferrofluid magnetic actuation with dynamic magnetic fields in small channels. Microfluidics and Nanofluidics, 2015, 18, 447-460.	2.2	23
23	Simulation of Magnetic Actuation of Ferrofluids in Microtubes. , 2013, , .		0