Farzam Zoueshtiagh

List of Publications by Year
in descending order

24 papers	172 citations	1163117 8 h-index	1199594 12 g-index
25 all docs	25 docs citations	25 times ranked	193 citing authors

#	Article	IF	Citations
1	Inverse Saffman-Taylor Experiments with Particles Lead to Capillarity Driven Fingering Instabilities. Physical Review Letters, 2016, 117, 034501.	7.8	17
2	Capillary tube wetting induced by particles: towards armoured bubbles tailoring. Soft Matter, 2014, 10, 9403-9412.	2.7	16
3	Mixing generated by Faraday instability between miscible liquids. Physical Review E, 2012, 85, 016326.	2.1	14
4	Evaluation of the hydrophobic properties of latex microspheres and Bacillus spores. Influence of the particle size on the data obtained by the MATH method (microbial adhesion to hydrocarbons). Colloids and Surfaces B: Biointerfaces, 2019, 182, 110398.	5.0	14
5	Faraday instability in double-interface fluid layers. Physical Review Fluids, 2019, 4, .	2.5	14
6	The Faraday instability in miscible fluid systems. Physics of Fluids, 2015, 27, .	4.0	11
7	Experimental verification of Type-II-eigenmode destabilization in the boundary layer over a compliant rotating disk. Physics of Fluids, 2006, 18, 054107.	4.0	9
8	Enhancement of biosensing performance in a droplet-based bioreactor by <i>in situ</i> microstreaming. Biomicrofluidics, 2010, 4, 011102.	2.4	9
9	Sharp acceleration of a macroscopic contact line induced by a particle. Journal of Fluid Mechanics, 2017, 830, .	3.4	9
10	Increased resistance to detachment of adherent microspheres and Bacillus spores subjected to a drying step. Colloids and Surfaces B: Biointerfaces, 2016, 143, 293-300.	5.0	8
11	From â€˜petal effectâ€™ to â€˜lotus effectâ€™ on the highly flexible Silastic S elastomer microstructured using a fluorine based reactive ion etching process. Journal of Micromechanics and Microengineering, 2014, 24, 115008.	2.6	7
12	Control of local wetting by microscopic particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 555, 615-620.	4.7	7
13	Influence of capillarity and gravity on confined Faraday waves. Physical Review Fluids, 2018, 3, .	2.5	7
14	Pumping effect of heterogeneous meniscus formed around spherical particle. Journal of Colloid and Interface Science, 2020, 562, 133-141.	9.4	6
15	Rotating-disk-type flow over loose boundaries. Journal of Engineering Mathematics, 2007, 57, 317-332.	1.2	5
16	Quick Liquid Propagation on a Linear Array of Micropillars. Langmuir, 2019, 35, 9139-9145.	3.5	5
17	Measurements of Interfacial Tension Coefficient Using Excitation of Progressive Capillary Waves by Radiation Pressure of Ultrasound in Microgravity. Microgravity Science and Technology, 2019, 31, 723-732.	1.4	5
18	Enhancement of Meniscus Pump by Multiple Particles. Langmuir, 2020, 36, 4447-4453.	3.5	4

#	Article	IF	Citations
19	Bubble rupture in a vibrated liquid under microgravity. Microgravity Science and Technology, 2007, 19, 155-156.	1.4	2
20	The Faraday instability in rectangular and annular geometries: comparison of experiments with theory. Experiments in Fluids, 2019, 60, 1.	2.4	1
21	Micrometric ripples in a capillary tube, the effect of microgravity. Microgravity Science and Technology, 2007, 19, 60-61.	1.4	0
22	Surface Acoustic Wave-Induced Microstreaming in Droplets for the Enhancement of Biosensing Performances. , 2010, , .		0
23	Spatial Waveform Analysis of Ultrasonically Excited Capillary Waves for Measurements of Interfacial Tension Coefficient in Microgravity. Microgravity Science and Technology, 2020, 32, 1087-1094.	1.4	0
24	Particles Separation by Oscillation in a Capillary Tube. , 2008, , .		0