JosÃ© D P Araujo

List of Publications by Year
in descending order

15	426	933264 10	996849 15
papers	citations	h-index	g-index

15	15	15	437
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Numerical Study of Single Taylor Bubble Movement Through a Microchannel Using Different CFD Packages. Processes, 2020, 8, 1418.	1.3	7
2	Isolated Taylor Bubbles in Co-Current with Shear Thinning CMC Solutions in Microchannelsâ€"A Numerical Study. Processes, 2020, 8, 242.	1.3	7
3	Review on Microbubbles and Microdroplets Flowing through Microfluidic Geometrical Elements. Micromachines, 2020, 11, 201.	1.4	19
4	Mass transfer from a Taylor bubble to the surrounding flowing liquid at the micro-scale: a numerical approach. Microfluidics and Nanofluidics, 2019, 23, 1.	1.0	6
5	CFD studies coupling hydrodynamics and solidâ€liquid mass transfer in slug flow for matter removal from tube walls. AICHE Journal, 2017, 63, 2420-2439.	1.8	8
6	Taylor bubbles rising through flowing non-Newtonian inelastic fluids. Journal of Non-Newtonian Fluid Mechanics, 2017, 245, 49-66.	1.0	19
7	Surface conditioning with Escherichia coli cell wall components can reduce biofilm formation by decreasing initial adhesion. AIMS Microbiology, 2017, 3, 613-628.	1.0	5
8	Review on vertical gasâ€"liquid slug flow. International Journal of Multiphase Flow, 2016, 85, 348-368.	1.6	94
9	CFD Study of the Hydrodynamics of Slug Flow Systems: Interaction between Consecutive Taylor Bubbles. International Journal of Chemical Reactor Engineering, 2015, 13, 541-549.	0.6	14
10	96-well microtiter plates for biofouling simulation in biomedical settings. Biofouling, 2014, 30, 535-546.	0.8	31
11	The effects of surface properties on Escherichia coli adhesion are modulated by shear stress. Colloids and Surfaces B: Biointerfaces, 2014, 123, 1-7.	2.5	43
12	Simulation of slug flow systems under laminar regime: Hydrodynamics with individual and a pair of consecutive Taylor bubbles. Journal of Petroleum Science and Engineering, 2013, 111, 1-14.	2.1	20
13	Flow of two consecutive Taylor bubbles through a vertical column of stagnant liquidâ€"A CFD study about the influence of the leading bubble on the hydrodynamics of the trailing one. Chemical Engineering Science, 2013, 97, 16-33.	1.9	22
14	Wide-ranging survey on the laminar flow of individual Taylor bubbles rising through stagnant Newtonian liquids. International Journal of Multiphase Flow, 2012, 43, 131-148.	1.6	73
15	New Ï€-Complexation Adsorbents for Propaneâ^'Propylene Separation. Langmuir, 2004, 20, 5291-5297.	1.6	58