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List of Publications by Year in descending order

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15
papers

426
citations

933264

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996849

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all docs

15
docs citations

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times ranked

437
citing authors

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