

Jaromir Havlica

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9455539/publications.pdf>

Version: 2024-02-01

26
papers

247
citations

1040056

9
h-index

996975

15
g-index

26
all docs

26
docs citations

26
times ranked

233
citing authors

#	ARTICLE	IF	CITATIONS
1	The transitional backward-facing step flow in a water channel with variable expansion geometry. <i>Experimental Thermal and Fluid Science</i> , 2012, 40, 112-125.	2.7	43
2	The effect of rotational speed on granular flow in a vertical bladed mixer. <i>Powder Technology</i> , 2015, 280, 180-190.	4.2	39
3	Flow characterization in T-shaped and cross-shaped micromixers. <i>Microfluidics and Nanofluidics</i> , 2011, 10, 1185-1197.	2.2	36
4	Contribution of Visitors to the Indoor PM in the National Library in Prague, Czech Republic. <i>Aerosol and Air Quality Research</i> , 2016, 16, 1713-1721.	2.1	18
5	Thermodynamic aspects of gasification derived syngas desulfurization, removal of hydrogen halides and regeneration of spent sorbents based on $\text{La}_2\text{O}_3/\text{La}_2\text{O}_2\text{CO}_3$ and cerium oxides. <i>Fuel</i> , 2017, 197, 277-289.	6.4	13
6	Use of electrochemical microsensors for hydrodynamics study in crossing microchannels. <i>Microfluidics and Nanofluidics</i> , 2008, 5, 55-64.	2.2	12
7	Effect of Bed Depth on Granular Flow and Homogenization in a Vertical Bladed Mixer via Discrete Element Method. <i>Chemical Engineering and Technology</i> , 2015, 38, 1195-1202.	1.5	12
8	Volumetric behavior of the ternary system (methyl tert-butyl ether + methylbenzene + butan-1-ol) and its binary sub-system (methyl tert-butyl ether + butan-1-ol) within the temperature range (298.15 to 338.15 K). <i>Journal of Chemical Thermodynamics</i> , 2017, 107, 101-110.	0.0	10
9	Granular dynamics in a vertical bladed mixer: Secondary flow patterns. <i>Powder Technology</i> , 2019, 344, 79-88.	4.2	11
10	Discrete Element Method Simulation and Experimental Validation of Pattern Development in a Rotating Drum Mixer. <i>Chemical Engineering and Technology</i> , 2018, 41, 1524-1530.	1.5	10
11	End effects in rotational viscometry I. No-slip shear-thinning samples in the Z40 DIN sensor. <i>Rheologica Acta</i> , 2007, 46, 765-772.	2.4	7
12	Description of fluid dynamics and coupled transports in models of a laminar flow diffusion chamber. <i>Journal of Chemical Physics</i> , 2013, 139, 064701.	3.0	7
13	Air quality in archives housed in historic buildings: Assessment of concentration of indoor particles of outdoor origin. <i>Building and Environment</i> , 2020, 180, 107024.	6.9	7
14	A millifluidic chip for cultivation of fish embryos and toxicity testing fabricated by 3D printing technology. <i>RSC Advances</i> , 2021, 11, 20507-20518.	3.6	5
15	A revisit of the electro-diffusional theory for the wall shear stress measurement. <i>International Journal of Heat and Mass Transfer</i> , 2021, 165, 120610.	4.8	3
16	The effect of primary and secondary flows on the homogenization process in a vertical bladed mixer. <i>Powder Technology</i> , 2021, 391, 253-266.	4.2	3
17	Dependence of Granular Materials Homogenization on Geometrical Aspects in Commonly Used Mixers via DEM. <i>Springer Proceedings in Physics</i> , 2017, , 1115-1122.	0.2	3
18	End effects in rotational viscometry II. Pseudoplastic fluids at elevated Reynolds number. <i>Rheologica Acta</i> , 2015, 54, 903-914.	2.4	2

#	ARTICLE	IF	CITATIONS
19	Laboratory study of H ₂ SO ₄ /H ₂ O nucleation using a new technique in a laminar co-flow tube. Tellus, Series B: Chemical and Physical Meteorology, 2018, 70, 1-11.	1.6	2
20	Numerical Study of the Flow and Mass Transfer in Micromixers. , 2008, , .		1
21	Experimental Test of the Evans's B(3)-Field: Measuring the Interaction with Free Electrons. Foundations of Physics, 2009, 39, 1191-1196.	1.3	1
22	Oscillations and patterns in a model of simultaneous CO and C ₂ H ₂ oxidation and NO _x reduction in a cross-flow reactor. Physical Chemistry Chemical Physics, 2015, 17, 6458-6469.	2.8	1
23	Comparison of the transport models of a laminar flow diffusion chamber. , 2013, , .		0
24	Derivation and validation of a simplified analytical mass transfer model of the laminar co-flow tube for nucleation studies. International Journal of Heat and Mass Transfer, 2021, 179, 121705.	4.8	0
25	Modelling of complex reaction-separation processes in a d.c. electric field in microchannels. , 2000, , 336-345.		0
26	The Effect of Rotational Speed on Granular Dynamics and Homogenization in a Vertical Bladed Mixer. Springer Proceedings in Physics, 2017, , 1123-1131.	0.2	0