

# Jaromir Havlica

## List of Publications by Year in descending order

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26  
papers

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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	A revisit of the electro-diffusional theory for the wall shear stress measurement. International Journal of Heat and Mass Transfer, 2021, 165, 120610.	4.8	3
2	A millifluidic chip for cultivation of fish embryos and toxicity testing fabricated by 3D printing technology. RSC Advances, 2021, 11, 20507-20518.	3.6	5
3	The effect of primary and secondary flows on the homogenization process in a vertical bladed mixer. Powder Technology, 2021, 391, 253-266.	4.2	3
4	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
5	Air quality in archives housed in historic buildings: Assessment of concentration of indoor particles of outdoor origin. Building and Environment, 2020, 180, 107024.	6.9	7
6	Granular dynamics in a vertical bladed mixer: Secondary flow patterns. Powder Technology, 2019, 344, 79-88.	4.2	11
7	Discrete Element Method Simulation and Experimental Validation of Pattern Development in a Rotating Drum Mixer. Chemical Engineering and Technology, 2018, 41, 1524-1530.	1.5	10
8	Laboratory study of H <sub>2</sub> SO <sub>4</sub> /H <sub>2</sub> O nucleation using a new technique " a laminar co-flow tube. Tellus, Series B: Chemical and Physical Meteorology, 2018, 70, 1-11.	1.6	2
9	Thermodynamic aspects of gasification derived syngas desulfurization, removal of hydrogen halides and regeneration of spent sorbents based on La <sub>2</sub> O <sub>3</sub> /La <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> and cerium oxides. Fuel, 2017, 197, 277-289.	6.4	13
10	Dependence of Granular Materials Homogenization on Geometrical Aspects in Commonly Used Mixers via DEM. Springer Proceedings in Physics, 2017, , 1115-1122.	0.2	3
11	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
12	Contribution of Visitors to the Indoor PM in the National Library in Prague, Czech Republic. Aerosol and Air Quality Research, 2016, 16, 1713-1721.	2.1	18
13	Effect of Bed Depth on Granular Flow and Homogenization in a Vertical Bladed Mixer via Discrete Element Method. Chemical Engineering and Technology, 2015, 38, 1195-1202.	1.5	12
14	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 Tj ETQq0 0 0 200 / Overclock 10 Tf		
15	The effect of rotational speed on granular flow in a vertical bladed mixer. Powder Technology, 2015, 280, 180-190.	4.2	39
16	Oscillations and patterns in a model of simultaneous CO and C <sub>2</sub> H <sub>2</sub> oxidation and NO <sub>x</sub> reduction in a cross-flow reactor. Physical Chemistry Chemical Physics, 2015, 17, 6458-6469.	2.8	1
17	End effects in rotational viscometry II. Pseudoplastic fluids at elevated Reynolds number. Rheologica Acta, 2015, 54, 903-914.	2.4	2
18	Comparison of the transport models of a laminar flow diffusion chamber. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
19	Description of fluid dynamics and coupled transports in models of a laminar flow diffusion chamber. Journal of Chemical Physics, 2013, 139, 064701.	3.0	7
20	The transitional backward-facing step flow in a water channel with variable expansion geometry. Experimental Thermal and Fluid Science, 2012, 40, 112-125.	2.7	43
21	Flow characterization in T-shaped and cross-shaped micromixers. Microfluidics and Nanofluidics, 2011, 10, 1185-1197.	2.2	36
22	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
23	Use of electrochemical microsensors for hydrodynamics study in crossing microchannels. Microfluidics and Nanofluidics, 2008, 5, 55-64.	2.2	12
24	Numerical Study of the Flow and Mass Transfer in Micromixers. , 2008, , .		1
25	End effects in rotational viscometry I. No-slip shear-thinning samples in the Z40 DIN sensor. Rheologica Acta, 2007, 46, 765-772.	2.4	7
26	Modelling of complex reaction-separation processes in a d.c. electric field in microchannels. , 2000, , 336-345.		0