Olivier Masbernat

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7328499/publications.pdf

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24	526	687363 13	642732 23
papers	citations	h-index	g-index

24	24	24	475
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Drop break-up in turbulent pipe flow downstream of a restriction. Chemical Engineering Science, 2005, 60, 6511-6528.	3.8	104
2	Breakup of a drop in a liquidâ€“liquid pipe flow through an orifice. AICHE Journal, 2007, 53, 56-68.	3.6	58
3	Effect of mass transfer on the film drainage between colliding drops. Journal of Colloid and Interface Science, 2006, 299, 472-485.	9.4	36
4	Collisions in a liquid fluidized bed. International Journal of Multiphase Flow, 2011, 37, 695-705.	3.4	36
5	Slip velocity and drag law in a liquid-liquid homogeneous dispersed flow. AICHE Journal, 2003, 49, 2300-2316.	3.6	35
6	Dynamics of drop breakup in inhomogeneous turbulence at various volume fractions. Journal of Fluid Mechanics, 2007, 578, 85-94.	3.4	31
7	A model for drop and bubble breakup frequency based on turbulence spectra. AICHE Journal, 2019, 65, 347-359.	3.6	31
8	Coalescence of contaminated water drops at an oil/water interface: Influence of micro-particles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 482, 514-528.	4.7	24
9	Shape oscillations of an oil drop rising in water: effect of surface contamination. Journal of Fluid Mechanics, 2012, 702, 533-542.	3.4	22
10	Non-linear shape oscillations of rising drops and bubbles: Experiments and simulations. Physics of Fluids, 2015, 27, 123305.	4.0	21
11	Modeling and simulation of inertial drop break-up in a turbulent pipe flow downstream of a restriction. International Journal of Multiphase Flow, 2012, 42, 1-8.	3.4	18
12	Interfacial Dynamics and Rheology of a Crude-Oil Droplet Oscillating in Water at a High Frequency. Langmuir, 2019, 35, 9441-9455.	3.5	14
13	Numerical simulations of a rising drop with shape oscillations in the presence of surfactants. Physical Review Fluids, 2018, 3, .	2.5	14
14	Wall friction and effective viscosity of a homogeneous dispersed liquidâ€“liquid flow in a horizontal pipe. AICHE Journal, 2011, 57, 1119-1131.	3.6	13
15	Volume fraction gradient-induced flow patterns in a two-liquid phase mixing layer. Chemical Engineering Science, 2003, 58, 3985-3993.	3.8	11
16	Determination of Interfacial Concentration of a Contaminated Droplet from Shape Oscillation Damping. Physical Review Letters, 2020, 124, 194501.	7.8	11
17	Numerical study of solidâ€“liquid fluidization dynamics. AICHE Journal, 2010, 56, 2781-2794.	3.6	10
18	Pipe flow of a dense emulsion: Homogeneous shearâ€thinning or shearâ€induced migration?. AICHE Journal, 2017, 63, 5182-5195.	3.6	10

#	Article	IF	Citations
19	Coalescence of Water Drops at an Oilâ€“Water Interface Loaded with Microparticles and Surfactants. Industrial & Engineering Chemistry Research, 2019, 58, 15573-15587.	3.7	10
20	Xâ€ray imaging of a highâ€temperature furnace applied to glass melting. Journal of the American Ceramic Society, 2020, 103, 979-992.	3.8	5
21	Fluctuations in inertial dense homogeneous suspensions. Physical Review Fluids, 2019, 4, .	2.5	5
22	Numerical simulation of the crossing of a liquid-liquid interface by a droplet. Physical Review Fluids, 2020, 5, .	2.5	4
23	Prediction of size distribution in dairy cream homogenization. Journal of Food Engineering, 2022, 324, 110973.	5.2	3
24	Statistics of velocity fluctuations in a homogeneous liquid fluidized bed. Physical Review Fluids, 2021, 6, .	2.5	0