

# Olivier Masbernat

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

526  
citations

687363

13  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

475  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of size distribution in dairy cream homogenization. Journal of Food Engineering, 2022, 324, 110973.	5.2	3
2	Statistics of velocity fluctuations in a homogeneous liquid fluidized bed. Physical Review Fluids, 2021, 6, .	2.5	0
3	X-ray imaging of a high-temperature furnace applied to glass melting. Journal of the American Ceramic Society, 2020, 103, 979-992.	3.8	5
4	Determination of Interfacial Concentration of a Contaminated Droplet from Shape Oscillation Damping. Physical Review Letters, 2020, 124, 194501.	7.8	11
5	Numerical simulation of the crossing of a liquid-liquid interface by a droplet. Physical Review Fluids, 2020, 5, .	2.5	4
6	A model for drop and bubble breakup frequency based on turbulence spectra. AIChE Journal, 2019, 65, 347-359.	3.6	31
7	Coalescence of Water Drops at an Oil-Water Interface Loaded with Microparticles and Surfactants. Industrial & Engineering Chemistry Research, 2019, 58, 15573-15587.	3.7	10
8	Interfacial Dynamics and Rheology of a Crude-Oil Droplet Oscillating in Water at a High Frequency. Langmuir, 2019, 35, 9441-9455.	3.5	14
9	Fluctuations in inertial dense homogeneous suspensions. Physical Review Fluids, 2019, 4, .	2.5	5
10	Numerical simulations of a rising drop with shape oscillations in the presence of surfactants. Physical Review Fluids, 2018, 3, .	2.5	14
11	Pipe flow of a dense emulsion: Homogeneous shear-thinning or shear-induced migration?. AIChE Journal, 2017, 63, 5182-5195.	3.6	10
12	Non-linear shape oscillations of rising drops and bubbles: Experiments and simulations. Physics of Fluids, 2015, 27, 123305.	4.0	21
13	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
14	Shape oscillations of an oil drop rising in water: effect of surface contamination. Journal of Fluid Mechanics, 2012, 702, 533-542.	3.4	22
15	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
16	Wall friction and effective viscosity of a homogeneous dispersed liquid-liquid flow in a horizontal pipe. AIChE Journal, 2011, 57, 1119-1131.	3.6	13
17	Collisions in a liquid fluidized bed. International Journal of Multiphase Flow, 2011, 37, 695-705.	3.4	36
18	Numerical study of solid-liquid fluidization dynamics. AIChE Journal, 2010, 56, 2781-2794.	3.6	10

#	ARTICLE	IF	CITATIONS
19	Dynamics of drop breakup in inhomogeneous turbulence at various volume fractions. Journal of Fluid Mechanics, 2007, 578, 85-94.	3.4	31
20	Breakup of a drop in a liquid-liquid pipe flow through an orifice. AIChE Journal, 2007, 53, 56-68.	3.6	58
21	Effect of mass transfer on the film drainage between colliding drops. Journal of Colloid and Interface Science, 2006, 299, 472-485.	9.4	36
22	Drop break-up in turbulent pipe flow downstream of a restriction. Chemical Engineering Science, 2005, 60, 6511-6528.	3.8	104
23	Slip velocity and drag law in a liquid-liquid homogeneous dispersed flow. AIChE Journal, 2003, 49, 2300-2316.	3.6	35
24	Volume fraction gradient-induced flow patterns in a two-liquid phase mixing layer. Chemical Engineering Science, 2003, 58, 3985-3993.	3.8	11