

# Michel Lance

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

924  
citations

759233

12  
h-index

1058476

14  
g-index

17  
all docs

17  
docs citations

17  
times ranked

634  
citing authors

#	ARTICLE	IF	CITATIONS
1	Turbulence in the liquid phase of a uniform bubbly air-water flow. Journal of Fluid Mechanics, 1991, 222, 95.	3.4	488
2	Drag and lift forces on clean spherical and ellipsoidal bubbles in a solid-body rotating flow. Journal of Fluid Mechanics, 2011, 682, 434-459.	3.4	83
3	Measurement of local flow characteristics in buoyancy-driven bubbly flow at high void fraction. Experimental Thermal and Fluid Science, 2002, 26, 811-815.	2.7	77
4	Experimental investigation of a developing two-phase bubbly flow in horizontal pipe. International Journal of Multiphase Flow, 2014, 60, 161-179.	3.4	48
5	A stochastic formulation for the drag force based on multiscale numerical simulation of fluidized beds. International Journal of Multiphase Flow, 2018, 99, 363-382.	3.4	42
6	Characterization of a system generating a homogeneous isotropic turbulence field by free synthetic jets. Experiments in Fluids, 2010, 48, 809-822.	2.4	36
7	Micro/meso simulation of a fluidized bed in a homogeneous bubbling regime. International Journal of Multiphase Flow, 2017, 92, 93-111.	3.4	30
8	Drag and lift forces on interface-contaminated bubbles spinning in a rotating flow. Journal of Fluid Mechanics, 2009, 624, 159-178.	3.4	28
9	Turbulent transport mechanisms in oscillating bubble plumes. Journal of Fluid Mechanics, 2009, 633, 191-231.	3.4	28
10	Velocity measurements based on shadowgraph-like image correlations in a cavitating micro-channel flow. International Journal of Multiphase Flow, 2014, 58, 301-312.	3.4	22
11	Drag measurements in laterally confined 2D canopies: Reconfiguration and sheltering effect. Physics of Fluids, 2016, 28, .	4.0	16
12	Clean versus contaminated bubbles in a solid-body rotating flow. Journal of Fluid Mechanics, 2017, 831, 592-617.	3.4	14
13	A Model for Liquid Films in Steam Turbines and Preliminary Validations. , 2016, , .		5
14	A mechanics approach for wet gas flow metering, theory and application to flow loop tests. International Journal of Multiphase Flow, 2011, 37, 260-267.	3.4	4
15	Agglomeration of alumina powders: A turbidimetric study. Chemical Engineering and Technology, 1995, 18, 425-433.	1.5	3
16	8TH INTERNATIONAL SYMPOSIUM ON GAS-LIQUID TWO-PHASE FLOWS. Journal of Fluids Engineering, Transactions of the ASME, 2004, 126, 505-507.	1.5	0