

Emmanuel Cid

List of Publications by Year in descending order

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24
papers

586
citations

759233

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713466

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all docs

24
docs citations

24
times ranked

509
citing authors

#	ARTICLE	IF	CITATIONS
1	Obtaining phase averaged turbulence properties in the near wake of a circular cylinder at high Reynolds number using POD. Experiments in Fluids, 2007, 43, 341-355.	2.4	160
2	Modelling of mass transfer in Taylor flow: Investigation with the PLIF-I technique. Chemical Engineering Research and Design, 2016, 115, 292-302.	5.6	53
3	Mass transfer in Taylor flow: Transfer rate modelling from measurements at the slug and film scale. International Journal of Multiphase Flow, 2018, 105, 185-201.	3.4	53
4	Phase-averaged measurements of the turbulence properties in the near wake of a circular cylinder at high Reynolds number by 2C-PIV and 3C-PIV. Experiments in Fluids, 2006, 42, 93-109.	2.4	50
5	Mass transfer characteristics and concentration field evolution for gas-liquid Taylor flow in milli channels. Chemical Engineering Science, 2019, 207, 1331-1340.	3.8	47
6	Near-Wake Turbulence Properties around a Circular Cylinder at High Reynolds Number. Flow, Turbulence and Combustion, 2003, 71, 19-34.	2.6	42
7	Near-Wake Turbulence Properties in the High Reynolds Number Incompressible Flow Around a Circular Cylinder Measured by Two- and Three-Component PIV. Flow, Turbulence and Combustion, 2006, 77, 185-204.	2.6	41
8	Coherent and turbulent process analysis in the flow past a circular cylinder at high Reynolds number. Journal of Fluids and Structures, 2008, 24, 1313-1325.	3.4	25
9	A stereoscopic method for rapid monitoring of the spatio-temporal evolution of the sand-bed elevation in the swash zone. Coastal Engineering, 2012, 60, 11-20.	4.0	17
10	Numerical simulation of mass transfer dynamics in Taylor flows. International Journal of Heat and Mass Transfer, 2021, 179, 121670.	4.8	15
11	Wave patterns generated by an axisymmetric obstacle in a two-layer flow. Experiments in Fluids, 2013, 54, 1.	2.4	14
12	Investigation of the three-dimensional turbulent near-wake structure past a flat plate by tomographic PIV at high Reynolds number. Journal of Fluids and Structures, 2014, 47, 21-30.	3.4	12
13	Joint Numerical and Experimental Investigation of the Flow Around a Circular Cylinder at High Reynolds Number. Topics in Applied Physics, 2007, , 223-244.	0.8	9
14	Hydrodynamics in a stirred tank in the transitional flow regime. Chemical Engineering Research and Design, 2018, 132, 865-880.	5.6	8
15	Near-wake turbulence properties in the high Reynolds incompressible flow around a circular cylinder by 2C and 3C PIV. , 2005, , 441-450.		8
16	Topographically induced internal solitary waves in a pycnocline: Ultrasonic probes and stereo-correlation measurements. Physics of Fluids, 2014, 26, .	4.0	6
17	Image registration algorithm for molecular tagging velocimetry applied to unsteady flow in Hele-Shaw cell. Experimental Thermal and Fluid Science, 2013, 44, 897-904.	2.7	5
18	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

#	ARTICLE	IF	CITATIONS
19	3D circular cylinder. , 2006, , 299-312.		4
20	Capturing coherent structures and turbulent interfaces in wake flows by means of the Organised Eddy Simulation, OES and by Tomo-PIV. Journal of Physics: Conference Series, 2011, 318, 092002.	0.4	4
21	Milli-PIV rheology of shear-thinning fluids. Journal of Non-Newtonian Fluid Mechanics, 2012, 169-170, 114-120.	2.4	3
22	Temperature field acquisition by planar laser induced fluorescence using the two-color/two-dye technique for liquid flows in a millimetric zigzag channel. Chemical Engineering Journal, 2021, 426, 131460.	12.7	2
23	Simultaneous Image Registration and Monocular Volumetric Reconstruction of a Fluid Flow. , 2011, , .		2
24	Coherent and Turbulent Process Analysis in the Flow Past a Circular Cylinder at High Reynolds Number. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2009, , 15-25.	0.2	1