Pierre Lubin

List of Publications by Year
in descending order

30 papers	957 citations	567281 15 h-index	580821 25 g-index
31 all docs	31 docs citations	31 times ranked	602 citing authors

#	Article	IF	Citations
1	Geometrical level set reinitialization using closest point method and kink detection for thin filaments, topology changes and two-phase flows. Journal of Computational Physics, 2022, 448, 110704.	3.8	4
2	Numerical Simulations of the Interaction of Solitary Waves and Elastic Structures with a Fully Eulerian Method. Water Waves, 2020, 2, 433-466.	1.0	4
3	Discussion on instabilities in breaking waves: Vortices, air-entrainment and droplet generation. European Journal of Mechanics, B/Fluids, 2019, 73, 144-156.	2.5	25
4	Flow fields and particle trajectories beneath a tidal bore: A numerical study. International Journal of Sediment Research, 2018, 33, 351-370.	3.5	8
5	CFD modeling of tidal bores: development and validation challenges. Coastal Engineering Journal, 2018, 60, 423-436.	1.9	15
6	Tidal bore hydrodynamics and sediment processes: 2010â€“2016 field observations in France. Coastal Engineering Journal, 2018, 60, 484-498.	1.9	14
7	Are breaking waves, bores, surges and jumps the same flow?. Environmental Fluid Mechanics, 2017, 17, 47-77.	1.6	31
8	Numerical simulations of three-dimensional plunging breaking waves: generation and evolution of aerated vortex filaments. Journal of Fluid Mechanics, 2015, 767, 364-393.	3.4	86
9	THREE-DIMENSIONAL NUMERICAL SIMULATIONS OF AERATED VORTEX FILAMENTS UNDER PLUNGING BREAKING WAVES. Coastal Engineering Proceedings, 2015, 1, 2.	0.1	0
10	Numerical simulations of air entrainment in a plunging jet of liquid. Journal of Fluids and Structures, 2013, 43, 428-440.	3.4	11
11	High-frequency turbulence and suspended sediment concentration measurements in the Garonne River tidal bore. Estuarine, Coastal and Shelf Science, 2011, 95, 298-306.	2.1	71
12	Run-up flow of a collapsing bore over a beach. European Journal of Mechanics, B/Fluids, 2011, 30, 565-576.	2.5	14
13	Numerical study of the hydrodynamics of regular waves breaking over a sloping beach. European Journal of Mechanics, B/Fluids, 2011, 30, 552-564.	2.5	27
14	Parametric study of LES subgrid terms in a turbulent phase separation flow. International Journal of Heat and Fluid Flow, 2010, 31, 536-544.	2.4	35
15	Large Eddy Simulation of turbulence generated by a weak breaking tidal bore. Environmental Fluid Mechanics, 2010, 10, 587-602.	1.6	39
16	Numerical simulation of a weak breaking tidal bore. Mechanics Research Communications, 2010, 37, 119-121.	1.8	38
17	Discussion of â€œVerification and validation of a computational fluid dynamics (CFD) model for air entrainment at spillway aeratorsâ€•Appears in the Canadian Journal of Civil Engineering 36(5): 826-838.. Canadian Journal of Civil Engineering, 2010, 37, 135-138.	1.3	14
18	Numerical simulation of phase separation and a priori two-phase LES filtering. Computers and Fluids, 2008, 37, 898-906.	2.5	67

#	Article	IF	Citations
19	Towards large eddy simulation of isothermal two-phase flows: Governing equations and a priori tests. International Journal of Multiphase Flow, 2007, 33, 1-39.	3.4	108
20	LARGE EDDY SIMULATION OF REGULAR WAVES BREAKING OVER A SLOPING BEACH. , 2007, , .		0
21	Three-dimensional Large Eddy Simulation of air entrainment under plunging breaking waves. Coastal Engineering, 2006, 53, 631-655.	4.0	185
22	MÃ©thodes implicites de pÃ©nalisation sur des grilles d'Euler pour la simulation de Ã©coulements multiphasÃ©s incompressibles. Houille Blanche, 2006, 92, 53-59.	0.3	0
23	A numerical exercise for turbulent natural convection and pollutant diffusion in a two-dimensional partially partitioned cavity. International Journal of Thermal Sciences, 2005, 44, 311-322.	4.9	15
24	On the Navierâ€“Stokes equations simulation of the head-on collision between two surface solitary waves. Comptes Rendus - Mecanique, 2005, 333, 351-357.	2.1	10
25	Numerical simulations of wave breaking. ESAIM: Mathematical Modelling and Numerical Analysis, 2005, 39, 591-607.	1.9	31
26	THREE-DIMENSIONAL LARGE EDDY SIMULATION OF VORTICES INDUCED BY PLUNGING BREAKING WAVES. , 2005, , .		1
27	An adaptative augmented Lagrangian method for three-dimensional multimaterial flows. Computers and Fluids, 2004, 33, 1273-1289.	2.5	73
28	Simulations numÃ©riques et expÃ©rimentales dâ€™un soliton se propageant sur une plage inclinÃ©e. , 2004, , .		1
29	Fully three-dimensional direct numerical simulation of a plunging breaker. Comptes Rendus - Mecanique, 2003, 331, 495-501.	2.1	24
30	Etude du dÃ©ferlement par modÃ©lisation numÃ©rique 2D et 3D. , 2002, , .		1