

# Vincent Le Chenadec

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A 3D Unsplit Forward/Backward Volume-of-Fluid Approach and Coupling to the Level Set Method. Journal of Computational Physics, 2013, 233, 10-33.	3.8	60
2	Direct numerical simulation of a turbulent hydraulic jump: turbulence statistics and air-entrainment. Journal of Fluid Mechanics, 2016, 797, 60-94.	3.4	58
3	A monotonicity preserving conservative sharp interface flow solver for high density ratio two-phase flows. Journal of Computational Physics, 2013, 249, 185-203.	3.8	48
4	Thermoacoustic instability – a dynamical system and time domain analysis. Journal of Fluid Mechanics, 2014, 753, 448-471.	3.4	27
5	Adjoint-based sensitivity analysis of steady char burnout. Combustion Theory and Modelling, 2021, 25, 96-120.	1.9	8
6	Control and Optimization of Interfacial Flows Using Adjoint-Based Techniques. Fluids, 2020, 5, 156.	1.7	6
7	Analysis of degenerate mechanisms triggering finite-amplitude thermo-acoustic oscillations in annular combustors. Journal of Fluid Mechanics, 2019, 881, 384-419.	3.4	5
8	Monolithic Solvers for Incompressible Two-Phase Flows at Large Density and Viscosity Ratios. Fluids, 2021, 6, 23.	1.7	5