

# Alexandre Chiapolino

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Sharpening diffuse interfaces with compressible fluids on unstructured meshes. Journal of Computational Physics, 2017, 340, 389-417.	3.8	60
2	A simple and fast phase transition relaxation solver for compressible multicomponent two-phase flows. Computers and Fluids, 2017, 150, 31-45.	2.5	47
3	A simple phase transition relaxation solver for liquid-vapor flows. International Journal for Numerical Methods in Fluids, 2017, 83, 583-605.	1.6	35
4	Models and methods for two-layer shallow water flows. Journal of Computational Physics, 2018, 371, 1043-1066.	3.8	21
5	Extended Noble-Abel Stiffened-Gas Equation of State for Sub-and-Supercritical Liquid-Gas Systems Far from the Critical Point. Fluids, 2018, 3, 48.	1.7	11
6	Riemann solver with internal reconstruction (RSIR) for compressible single-phase and non-equilibrium two-phase flows. Journal of Computational Physics, 2020, 408, 109176.	3.8	7
7	Numerical investigations of two-phase finger-like instabilities. Computers and Fluids, 2020, 206, 104585.	2.5	5
8	A Method to Solve Hamilton-Jacobi Type Equation on Unstructured Meshes. Journal of Scientific Computing, 2021, 88, 1.	2.3	1
9	Modeling Heavy-Gas Dispersion in Air with Two-Layer Shallow Water Equations. Fluids, 2021, 6, 2.	1.7	1