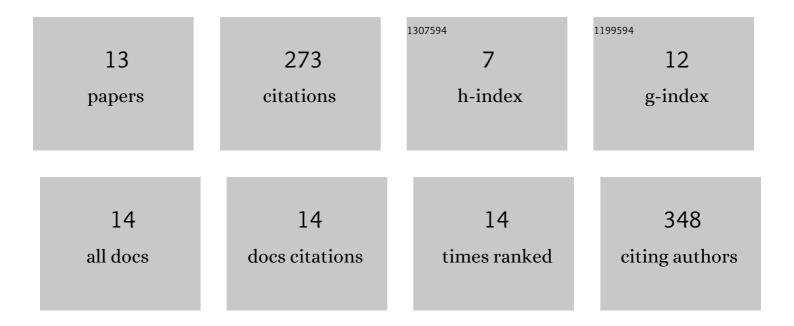
CristÃ³bal Arratia

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Absolute/convective secondary instabilities and the role of confinement in free shear layers. Physical Review Fluids, 2018, 3, .	2.5	2
2	Pushing amplitude equations far from threshold: application to the supercritical Hopf bifurcation in the cylinder wake. Fluid Dynamics Research, 2016, 48, 061401.	1.3	8
3	Mode selection in trailing vortices: harmonic response of the non-parallel Batchelor vortex. Journal of Fluid Mechanics, 2016, 790, 523-552.	3.4	22
4	Spatio-temporal stability of the Kármán vortex street and the effect of confinement. Journal of Fluid Mechanics, 2016, 795, 187-209.	3.4	9
5	Inviscid Transient Growth on Horizontal Shear Layers with Strong Vertical Stratification. Springer Proceedings in Physics, 2016, , 199-206.	0.2	1
6	A self-consistent model for the saturation dynamics of the vortex shedding around the mean flow in the unstable cylinder wake. Physics of Fluids, 2015, 27, .	4.0	33
7	Measurement of the dispersion relation of a convectively unstable capillary jet under confinement. Physics of Fluids, 2015, 27, .	4.0	3
8	Gravity wave instability in a turbulent free-surface Taylor–Couette flow: experiments and comparison with an amplitude equation with additive noise. New Journal of Physics, 2015, 17, 013039.	2.9	2
9	Self-Consistent Mean Flow Description of the Nonlinear Saturation of the Vortex Shedding in the Cylinder Wake. Physical Review Letters, 2014, 113, 084501.	7.8	79
10	On the longitudinal optimal perturbations to inviscid plane shear flow: formal solution and asymptotic approximation. Journal of Fluid Mechanics, 2013, 737, 387-411.	3.4	2
11	Transient perturbation growth in time-dependent mixing layers. Journal of Fluid Mechanics, 2013, 717, 90-133.	3.4	44
12	Transient evolution and high stratification scaling in horizontal mixing layers. Springer Proceedings in Physics, 2009, , 183-186.	0.2	0
13	Condensing and Fluidizing Effects of Ganglioside GM1 on Phospholipid Films. Biophysical Journal, 2008, 94, 3047-3064.	0.5	68