Pierre Augier

List of Publications by Year
in descending order

13	228	933447 10	1125743 13
papers	citations	h-index	g-index

13	13	13	233
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A New Formulation of the Spectral Energy Budget of the Atmosphere, with Application to Two High-Resolution General Circulation Models. Journals of the Atmospheric Sciences, 2013, 70, 2293-2308.	1.7	58
2	Spectral analysis of the transition to turbulence from a dipole in stratified fluid. Journal of Fluid Mechanics, 2012, 713, 86-108.	3.4	31
3	An experimental Bullardâ€“von KÃ¡rmÃ¡n dynamo. New Journal of Physics, 2006, 8, 329-329.	2.9	24
4	Onset of secondary instabilities on the zigzag instability in stratified fluids. Journal of Fluid Mechanics, 2011, 682, 120-131.	3.4	19
5	Stratified turbulence forced with columnar dipoles: numerical study. Journal of Fluid Mechanics, 2015, 769, 403-443.	3.4	19
6	Kolmogorov laws for stratified turbulence. Journal of Fluid Mechanics, 2012, 709, 659-670.	3.4	17
7	Comparative terrestrial atmospheric circulation regimes in simplified global circulation models. Part II: Energy budgets and spectral transfers. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 2558-2576.	2.7	11
8	Shallow water wave turbulence. Journal of Fluid Mechanics, 2019, 874, 1169-1196.	3.4	11
9	Using stratification to mitigate end effects in quasi-Keplerian Taylorâ€“Couette flow. Journal of Fluid Mechanics, 2016, 791, 608-630.	3.4	10
10	FluidDyn: A Python Open-Source Framework for Research and Teaching in Fluid Dynamics by Simulations, Experiments and Data Processing. Journal of Open Research Software, 2019, 7, 9.	5.9	10
11	FluidFFT: Common API (C++ and Python) for Fast Fourier Transform HPC Libraries. Journal of Open Research Software, 2019, 7, 10.	5.9	8
12	FluidSim: Modular, Object-Oriented Python Package for High-Performance CFD Simulations. Journal of Open Research Software, 2019, 7, 14.	5.9	6
13	Reducing the ecological impact of computing through education and Python compilers. Nature Astronomy, 2021, 5, 334-335.	10.1	4