Antoine Briard

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Numerical study of subcritical Rayleigh–Bénard convection rolls in strongly shear-thinning Carreau fluids. Journal of Non-Newtonian Fluid Mechanics, 2015, 219, 19-34.	2.4	19
2	Spectral modelling for passive scalar dynamics in homogeneous anisotropic turbulence. Journal of Fluid Mechanics, 2016, 799, 159-199.	3.4	19
3	Dynamics of helicity in homogeneous skew-isotropic turbulence. Journal of Fluid Mechanics, 2017, 821, 539-581.	3.4	18
4	Passive scalar decay laws in isotropic turbulence: Prandtl number effects. Journal of Fluid Mechanics, 2015, 784, 274-303.	3.4	14
5	Anisotropic spectral modeling for unstably stratified homogeneous turbulence. Physical Review Fluids, 2017, 2, .	2.5	14
6	Decay and growth laws in homogeneous shear turbulence. Journal of Turbulence, 2016, 17, 699-726.	1.4	13
7	The turbulent Faraday instability in miscibleÂfluids. Journal of Fluid Mechanics, 2020, 883, .	3.4	11
8	The decay of isotropic magnetohydrodynamics turbulence and the effects of cross-helicity. Journal of Plasma Physics, 2018, 84, .	2.1	9
9	Harmonic to subharmonic transition of the Faraday instability in miscible fluids. Physical Review Fluids, 2019, 4, .	2.5	8
10	Closure theory for the split energy-helicity cascades in homogeneous isotropic homochiral turbulence. Physical Review Fluids, 2017, 2, .	2.5	7
11	Mixed-derivative skewness for high Prandtl and Reynolds numbers in homogeneous isotropic turbulence. Physics of Fluids, 2016, 28, 081703.	4.0	6
12	Passive scalar convective-diffusive subrange for low Prandtl numbers in isotropic turbulence. Physical Review E, 2015, 91, 011001.	2.1	5
13	Advanced spectral anisotropic modelling for shear flows. Journal of Turbulence, 2018, 19, 570-599.	1.4	5
14	Spontaneous generation and reversal of helicity in anisotropic turbulence. Physical Review E, 2021, 103, L061101.	2.1	5
15	Frozen waves in turbulent mixing layers. Physical Review Fluids, 2019, 4, .	2.5	5
16	The subcritical transition to turbulence of Faraday waves in miscible fluids. Journal of Fluid Mechanics, 2022, 934, .	3.4	4
17	Prandtl number effects in decaying homogeneous isotropic turbulence with a mean scalar gradient. Journal of Turbulence, 2017, 18, 418-442.	1.4	3
18	Infrared Dynamics and Decay of Helicity in Homogeneous Isotropic Turbulence. ERCOFTAC Series, 2019, , 3-10.	0.1	0