

# Antoine Briard

## List of Publications by Year in descending order

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18  
papers

165  
citations

1162367

8  
h-index

1125271

13  
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18  
all docs

18  
docs citations

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times ranked

108  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical study of subcritical Rayleigh-Bénard convection rolls in strongly shear-thinning Carreau fluids. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2015, 219, 19-34.	1.0	19
2	Spectral modelling for passive scalar dynamics in homogeneous anisotropic turbulence. <i>Journal of Fluid Mechanics</i> , 2016, 799, 159-199.	1.4	19
3	Dynamics of helicity in homogeneous skew-isotropic turbulence. <i>Journal of Fluid Mechanics</i> , 2017, 821, 539-581.	1.4	18
4	Passive scalar decay laws in isotropic turbulence: Prandtl number effects. <i>Journal of Fluid Mechanics</i> , 2015, 784, 274-303.	1.4	14
5	Anisotropic spectral modeling for unstably stratified homogeneous turbulence. <i>Physical Review Fluids</i> , 2017, 2, .	1.0	14
6	Decay and growth laws in homogeneous shear turbulence. <i>Journal of Turbulence</i> , 2016, 17, 699-726.	0.5	13
7	The turbulent Faraday instability in miscible fluids. <i>Journal of Fluid Mechanics</i> , 2020, 883, .	1.4	11
8	The decay of isotropic magnetohydrodynamics turbulence and the effects of cross-helicity. <i>Journal of Plasma Physics</i> , 2018, 84, .	0.7	9
9	Harmonic to subharmonic transition of the Faraday instability in miscible fluids. <i>Physical Review Fluids</i> , 2019, 4, .	1.0	8
10	Closure theory for the split energy-helicity cascades in homogeneous isotropic homochiral turbulence. <i>Physical Review Fluids</i> , 2017, 2, .	1.0	7
11	Mixed-derivative skewness for high Prandtl and Reynolds numbers in homogeneous isotropic turbulence. <i>Physics of Fluids</i> , 2016, 28, 081703.	1.6	6
12	Passive scalar convective-diffusive subrange for low Prandtl numbers in isotropic turbulence. <i>Physical Review E</i> , 2015, 91, 011001.	0.8	5
13	Advanced spectral anisotropic modelling for shear flows. <i>Journal of Turbulence</i> , 2018, 19, 570-599.	0.5	5
14	Spontaneous generation and reversal of helicity in anisotropic turbulence. <i>Physical Review E</i> , 2021, 103, L061101.	0.8	5
15	Frozen waves in turbulent mixing layers. <i>Physical Review Fluids</i> , 2019, 4, .	1.0	5
16	The subcritical transition to turbulence of Faraday waves in miscible fluids. <i>Journal of Fluid Mechanics</i> , 2022, 934, .	1.4	4
17	Prandtl number effects in decaying homogeneous isotropic turbulence with a mean scalar gradient. <i>Journal of Turbulence</i> , 2017, 18, 418-442.	0.5	3
18	Infrared Dynamics and Decay of Helicity in Homogeneous Isotropic Turbulence. <i>ERCOFTAC Series</i> , 2019, , 3-10.	0.1	0