

Antoine Briard

List of Publications by Year in descending order

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18
papers

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1162367

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108
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | The subcritical transition to turbulence of Faraday waves in miscible fluids. <i>Journal of Fluid Mechanics</i> , 2022, 934, . | 1.4 | 4 |
| 2 | Spontaneous generation and reversal of helicity in anisotropic turbulence. <i>Physical Review E</i> , 2021, 103, L061101. | 0.8 | 5 |
| 3 | The turbulent Faraday instability in miscible fluids. <i>Journal of Fluid Mechanics</i> , 2020, 883, . | 1.4 | 11 |
| 4 | Infrared Dynamics and Decay of Helicity in Homogeneous Isotropic Turbulence. <i>ERCOFTAC Series</i> , 2019, , 3-10. | 0.1 | 0 |
| 5 | Harmonic to subharmonic transition of the Faraday instability in miscible fluids. <i>Physical Review Fluids</i> , 2019, 4, . | 1.0 | 8 |
| 6 | Frozen waves in turbulent mixing layers. <i>Physical Review Fluids</i> , 2019, 4, . | 1.0 | 5 |
| 7 | The decay of isotropic magnetohydrodynamics turbulence and the effects of cross-helicity. <i>Journal of Plasma Physics</i> , 2018, 84, . | 0.7 | 9 |
| 8 | Advanced spectral anisotropic modelling for shear flows. <i>Journal of Turbulence</i> , 2018, 19, 570-599. | 0.5 | 5 |
| 9 | 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 |
| 10 | Dynamics of helicity in homogeneous skew-isotropic turbulence. <i>Journal of Fluid Mechanics</i> , 2017, 821, 539-581. | 1.4 | 18 |
| 11 | Anisotropic spectral modeling for unstably stratified homogeneous turbulence. <i>Physical Review Fluids</i> , 2017, 2, . | 1.0 | 14 |
| 12 | Closure theory for the split energy-helicity cascades in homogeneous isotropic homochiral turbulence. <i>Physical Review Fluids</i> , 2017, 2, . | 1.0 | 7 |
| 13 | Spectral modelling for passive scalar dynamics in homogeneous anisotropic turbulence. <i>Journal of Fluid Mechanics</i> , 2016, 799, 159-199. | 1.4 | 19 |
| 14 | Mixed-derivative skewness for high Prandtl and Reynolds numbers in homogeneous isotropic turbulence. <i>Physics of Fluids</i> , 2016, 28, 081703. | 1.6 | 6 |
| 15 | Decay and growth laws in homogeneous shear turbulence. <i>Journal of Turbulence</i> , 2016, 17, 699-726. | 0.5 | 13 |
| 16 | Passive scalar decay laws in isotropic turbulence: Prandtl number effects. <i>Journal of Fluid Mechanics</i> , 2015, 784, 274-303. | 1.4 | 14 |
| 17 | Passive scalar convective-diffusive subrange for low Prandtl numbers in isotropic turbulence. <i>Physical Review E</i> , 2015, 91, 011001. | 0.8 | 5 |
| 18 | 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 |