

Gregory P Bewley

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

946
citations

759233

12
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

796
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Visualization of quantized vortices. <i>Nature</i> , 2006, 441, 588-588. | 27.8 | 322 |
| 2 | Characterization of reconnecting vortices in superfluid helium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13707-13710. | 7.1 | 184 |
| 3 | Observation of the sling effect. <i>New Journal of Physics</i> , 2013, 15, 083051. | 2.9 | 72 |
| 4 | Decay of Turbulence at High Reynolds Numbers. <i>Physical Review Letters</i> , 2015, 114, 034501. | 7.8 | 63 |
| 5 | Inertial waves in rotating grid turbulence. <i>Physics of Fluids</i> , 2007, 19, 071701. | 4.0 | 43 |
| 6 | Particles for tracing turbulent liquid helium. <i>Experiments in Fluids</i> , 2008, 44, 887-896. | 2.4 | 41 |
| 7 | Extreme fluctuations of the relative velocities between droplets in turbulent airflow. <i>Physics of Fluids</i> , 2014, 26, . | 4.0 | 39 |
| 8 | Experimental study of the influence of anisotropy on the inertial scales of turbulence. <i>Journal of Fluid Mechanics</i> , 2012, 692, 464-481. | 3.4 | 31 |
| 9 | On integral length scales in anisotropic turbulence. <i>Physics of Fluids</i> , 2012, 24, . | 4.0 | 28 |
| 10 | Dissipative Effects on Inertial-Range Statistics at High Reynolds Numbers. <i>Physical Review Letters</i> , 2017, 119, 134502. | 7.8 | 24 |
| 11 | Signatures of non-universal large scales in conditional structure functions from various turbulent flows. <i>New Journal of Physics</i> , 2011, 13, 113020. | 2.9 | 20 |
| 12 | Control of long-range correlations in turbulence. <i>Experiments in Fluids</i> , 2019, 60, 1. | 2.4 | 16 |
| 13 | Turbulence explains the accelerations of an eagle in natural flight. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1 | 14 |
| 14 | The generation of particles to observe quantized vortex dynamics in superfluid helium. <i>Cryogenics</i> , 2009, 49, 549-553. | 1.7 | 13 |
| 15 | Oscillations Modulating Power Law Exponents in Isotropic Turbulence: Comparison of Experiments with Simulations. <i>Physical Review Letters</i> , 2021, 126, 254501. | 7.8 | 9 |
| 16 | Reynolds Number Dependence of the Structure Functions in Homogeneous Turbulence. <i>Journal of Nonlinear Science</i> , 2020, 30, 1081-1114. | 2.1 | 7 |
| 17 | Development and validation of a patient face-mounted, negative-pressure antechamber for reducing exposure of healthcare workers to aerosolized particles during endonasal surgery. <i>Journal of Neurosurgery</i> , 2021, , 1-8. | 1.6 | 7 |
| 18 | Bedforms Produced on a Particle Bed by Vertical Oscillations of a Plate. <i>Physical Review Letters</i> , 2019, 123, 058501. | 7.8 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | How to extract energy from turbulence in flight by fast tracking. Journal of Fluid Mechanics, 2021, 921, . | 3.4 | 4 |
| 20 | The journey of hydrogen to quantized vortex cores. Physica Scripta, 2013, T155, 014055. | 2.5 | 3 |
| 21 | Effects of hydrometeor droplet characteristics on wind turbine blade leading edge erosion: A numerical study. Journal of Physics: Conference Series, 2020, 1452, 012053. | 0.4 | 1 |
| 22 | How vertical oscillatory motion above a saturated sand bed leads to heap formation. Physical Review E, 2022, 105, . | 2.1 | 0 |