

Gregory P Bewley

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10755096/publications.pdf>

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	How vertical oscillatory motion above a saturated sand bed leads to heap formation. <i>Physical Review E</i> , 2022, 105, .	2.1	0
2	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
3	Oscillations Modulating Power Law Exponents in Isotropic Turbulence: Comparison of Experiments with Simulations. <i>Physical Review Letters</i> , 2021, 126, 254501.	7.8	9
4	How to extract energy from turbulence in flight by fast tracking. <i>Journal of Fluid Mechanics</i> , 2021, 921, .	3.4	4
5	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
6	Reynolds Number Dependence of the Structure Functions in Homogeneous Turbulence. <i>Journal of Nonlinear Science</i> , 2020, 30, 1081-1114.	2.1	7
7	Effects of hydrometeor droplet characteristics on wind turbine blade leading edge erosion: A numerical study. <i>Journal of Physics: Conference Series</i> , 2020, 1452, 012053.	0.4	1
8	Bedforms Produced on a Particle Bed by Vertical Oscillations of a Plate. <i>Physical Review Letters</i> , 2019, 123, 058501.	7.8	4
9	Control of long-range correlations in turbulence. <i>Experiments in Fluids</i> , 2019, 60, 1.	2.4	16
10	Dissipative Effects on Inertial-Range Statistics at High Reynolds Numbers. <i>Physical Review Letters</i> , 2017, 119, 134502.	7.8	24
11	Decay of Turbulence at High Reynolds Numbers. <i>Physical Review Letters</i> , 2015, 114, 034501.	7.8	63
12	Extreme fluctuations of the relative velocities between droplets in turbulent airflow. <i>Physics of Fluids</i> , 2014, 26, .	4.0	39
13	Observation of the sling effect. <i>New Journal of Physics</i> , 2013, 15, 083051.	2.9	72
14	The journey of hydrogen to quantized vortex cores. <i>Physica Scripta</i> , 2013, T155, 014055.	2.5	3
15	On integral length scales in anisotropic turbulence. <i>Physics of Fluids</i> , 2012, 24, .	4.0	28
16	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
17	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
18	The generation of particles to observe quantized vortex dynamics in superfluid helium. <i>Cryogenics</i> , 2009, 49, 549-553.	1.7	13

#	ARTICLE	IF	CITATIONS
19	Particles for tracing turbulent liquid helium. <i>Experiments in Fluids</i> , 2008, 44, 887-896.	2.4	41
20	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
21	Inertial waves in rotating grid turbulence. <i>Physics of Fluids</i> , 2007, 19, 071701.	4.0	43
22	Visualization of quantized vortices. <i>Nature</i> , 2006, 441, 588-588.	27.8	322