

# Gautier Verhille

## List of Publications by Year in descending order

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25  
papers

464  
citations

623188

14  
h-index

676716

22  
g-index

25  
all docs

25  
docs citations

25  
times ranked

359  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deformability of discs in turbulence. <i>Journal of Fluid Mechanics</i> , 2022, 933, .	1.4	5
2	Laboratory model for plastic fragmentation in the turbulent ocean. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	18
3	Spinning and tumbling of long fibers in isotropic turbulence. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	12
4	Architecture of a self-fragmenting droplets cascade. <i>Physical Review E</i> , 2021, 104, L053101.	0.8	0
5	Lagrangian Time Scale of Passive Rotation for Mesoscale Particles in Turbulence. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	8
6	Numerical modelling of long flexible fibers in homogeneous isotropic turbulence. <i>European Physical Journal E</i> , 2019, 42, 132.	0.7	9
7	Aggregation of Fibers by Waves. , 2018, , 127-136.		0
8	Tumbling of Inertial Fibers in Turbulence. <i>Physical Review Letters</i> , 2018, 121, 124502.	2.9	27
9	Structure and mechanics of aegagropilae fiber network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4607-4612.	3.3	19
10	3D conformation of a flexible fiber in a turbulent flow. <i>Experiments in Fluids</i> , 2016, 57, 1.	1.1	21
11	Dynamo efficiency controlled by hydrodynamic bistability. <i>Physical Review E</i> , 2014, 89, 063023.	0.8	2
12	Flexible Fiber in a Turbulent Flow: A Macroscopic Polymer. <i>Physical Review Letters</i> , 2014, 112, 074501.	2.9	44
13	Publisher's Note: Dynamo efficiency controlled by hydrodynamic bistability [Phys. Rev. E89, 063023 (2014)]. <i>Physical Review E</i> , 2014, 90, .	0.8	1
14	Dynamo threshold detection in the von Kármán sodium experiment. <i>Physical Review E</i> , 2013, 88, 013002.	0.8	29
15	Experimental Observation of Spatially Localized Dynamo Magnetic Fields. <i>Physical Review Letters</i> , 2012, 108, 144501.	2.9	14
16	Transition from hydrodynamic turbulence to magnetohydrodynamic turbulence in von Kármán flows. <i>Journal of Fluid Mechanics</i> , 2012, 693, 243-260.	1.4	4
17	DIRECT OBSERVATION OF THE TURBULENT emf AND TRANSPORT OF MAGNETIC FIELD IN A LIQUID SODIUM EXPERIMENT. <i>Astrophysical Journal</i> , 2012, 759, 80.	1.6	16
18	The magnetic-distortion probe: Velocimetry in conducting fluids. <i>Review of Scientific Instruments</i> , 2011, 82, 095112.	0.6	14

#	ARTICLE	IF	CITATIONS
19	Dynamo regimes and transitions in the VKS experiment. <i>European Physical Journal B</i> , 2010, 77, 459-468.	0.6	70
20	Laboratory Dynamo Experiments. <i>Space Science Reviews</i> , 2010, 152, 543-564.	3.7	25
21	Induction in a von Kármán flow driven by ferromagnetic impellers. <i>New Journal of Physics</i> , 2010, 12, 033006.	1.2	27
22	Large-scale fluctuations and dynamics of the Bullard–von Kármán dynamo. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2010, 104, 189-205.	0.4	6
23	Dynamics of a turbulent spin-down flow inside a torus. <i>Physics of Fluids</i> , 2009, 21, 045108.	1.6	16
24	Laboratory Dynamo Experiments. <i>Space Sciences Series of ISSI</i> , 2009, , 543-564.	0.0	1
25	Acceleration of heavy and light particles in turbulence: Comparison between experiments and direct numerical simulations. <i>Physica D: Nonlinear Phenomena</i> , 2008, 237, 2084-2089.	1.3	76