

Erik Lindborg

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,316
citations

687363

13
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

893
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional turbulence on a sphere. <i>Journal of Fluid Mechanics</i> , 2022, 933, .	3.4	5
2	Shallow water wave turbulence. <i>Journal of Fluid Mechanics</i> , 2019, 874, 1169-1196.	3.4	11
3	A note on acoustic turbulence. <i>Journal of Fluid Mechanics</i> , 2019, 874, .	3.4	8
4	Weakly or Strongly Nonlinear Mesoscale Dynamics Close to the Tropopause?. <i>Journals of the Atmospheric Sciences</i> , 2018, 75, 1215-1229.	1.7	18
5	Comparative terrestrial atmospheric circulation regimes in simplified global circulation models. Part II: Energy budgets and spectral transfers. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2018, 144, 2558-2576.	2.7	11
6	A two-dimensional toy model for geophysical turbulence. <i>Physics of Fluids</i> , 2017, 29, .	4.0	11
7	A Helmholtz decomposition of structure functions and spectra calculated from aircraft data. <i>Journal of Fluid Mechanics</i> , 2015, 762, .	3.4	52
8	Helicity in the Ekman boundary layer. <i>Journal of Fluid Mechanics</i> , 2014, 755, 654-671.	3.4	30
9	A New Formulation of the Spectral Energy Budget of the Atmosphere, with Application to Two High-Resolution General Circulation Models. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 2293-2308.	1.7	58
10	Testing Batchelor's similarity hypotheses for decaying two-dimensional turbulence. <i>Physics of Fluids</i> , 2010, 22, .	4.0	19
11	Horizontal Wavenumber Spectra of Vertical Vorticity and Horizontal Divergence in the Upper Troposphere and Lower Stratosphere. <i>Journals of the Atmospheric Sciences</i> , 2007, 64, 1017-1025.	1.7	74
12	Third-order structure function relations for quasi-geostrophic turbulence. <i>Journal of Fluid Mechanics</i> , 2007, 572, 255-260.	3.4	25
13	A condition on the average Richardson number for weak non-linearity of internal gravity waves. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2007, 59, 781-784.	1.7	2
14	The energy cascade in a strongly stratified fluid. <i>Journal of Fluid Mechanics</i> , 2006, 550, 207.	3.4	394
15	The effect of rotation on the mesoscale energy cascade in the free atmosphere. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	63
16	The kinetic energy spectrum of the two-dimensional enstrophy turbulence cascade. <i>Physics of Fluids</i> , 2000, 12, 945-947.	4.0	61
17	Can the atmospheric kinetic energy spectrum be explained by two-dimensional turbulence?. <i>Journal of Fluid Mechanics</i> , 1999, 388, 259-288.	3.4	349
18	Correction to the four-fifths law due to variations of the dissipation. <i>Physics of Fluids</i> , 1999, 11, 510-512.	4.0	73

#	ARTICLE	IF	CITATIONS
19	A note on Kolmogorov's third-order structure-function law, the local isotropy hypothesis and the pressure-velocity correlation. <i>Journal of Fluid Mechanics</i> , 1996, 326, 343-356.	3.4	47
20	Modelling of rapid pressure-strain in Reynolds stress closures ? Difficulties associated with rotational mean flows. <i>Flow, Turbulence and Combustion</i> , 1994, 53, 119-137.	0.2	5