

Kraig B Winters

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,172
citations

623734

14
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

861
citing authors

#	ARTICLE	IF	CITATIONS
1	Bathymetry and latitude modify lake warming under ice. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 1813-1825.	4.9	14
2	The effect of a strong density step on blocked stratified flow over topography. <i>Journal of Fluid Mechanics</i> , 2020, 889, .	3.4	4
3	Energetics of Radiatively Heated Ice-Covered Lakes. <i>Geophysical Research Letters</i> , 2019, 46, 8913-8925.	4.0	12
4	Stratified Flows over and around Long Dynamically Tall Mountain Ridges. <i>Journals of the Atmospheric Sciences</i> , 2019, 76, 1265-1287.	1.7	9
5	Differential Heating Drives Downslope Flows that Accelerate Mixed-Layer Warming in Ice-Covered Waters. <i>Geophysical Research Letters</i> , 2019, 46, 13872-13882.	4.0	25
6	Poleward propagation of near-inertial waves induced by fluctuating winds over a baroclinically unstable zonal jet. <i>Journal of Fluid Mechanics</i> , 2018, 834, 510-530.	3.4	5
7	Stability of stratified downslope flows with an overlying stagnant isolating layer. <i>Journal of Fluid Mechanics</i> , 2017, 810, 392-411.	3.4	8
8	Stimulated Imbalance and the Enhancement of Eddy Kinetic Energy Dissipation by Internal Waves. <i>Journal of Physical Oceanography</i> , 2017, 47, 181-198.	1.7	72
9	The turbulent transition of a supercritical downslope flow: sensitivity to downstream conditions. <i>Journal of Fluid Mechanics</i> , 2016, 792, 997-1012.	3.4	14
10	Observations on the Lateral Structure of Wind-Driven Flows in a Stratified, Semiarid Bay of the Gulf of California. <i>Estuaries and Coasts</i> , 2014, 37, 1319-1328.	2.2	5
11	Rotating horizontal convection. <i>Journal of Fluid Mechanics</i> , 2013, 723, 556-586.	3.4	29
12	Available potential energy density for Boussinesq fluid flow. <i>Journal of Fluid Mechanics</i> , 2013, 714, 476-488.	3.4	30
13	Intermittent patches of turbulence in a stratified medium with stable shear. <i>Journal of Turbulence</i> , 2012, 13, N20.	1.4	5
14	Modelling rotating stratified flows at laboratory-scale using spectrally-based DNS. <i>Ocean Modelling</i> , 2012, 49-50, 47-59.	2.4	26
15	Critical reflection and abyssal trapping of near-inertial waves on a \hat{I}^2 -plane. <i>Journal of Fluid Mechanics</i> , 2011, 684, 111-136.	3.4	24
16	Available potential energy and buoyancy variance in horizontal convection. <i>Journal of Fluid Mechanics</i> , 2009, 629, 221-230.	3.4	45
17	Numerical simulation of turbulent, oscillatory flow over sand ripples. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	42
18	Lagrangian analysis of a convective mixed layer. <i>Journal of Geophysical Research</i> , 2002, 107, 8-1.	3.3	9

#	ARTICLE	IF	CITATIONS
19	Measurements of diapycnal diffusivities in stratified fluids. <i>Journal of Fluid Mechanics</i> , 2001, 442, 267-291.	3.4	103
20	The role of dissipation and mixing in exchange flow through a contracting channel. <i>Journal of Fluid Mechanics</i> , 2000, 407, 265-290.	3.4	65
21	Simulation of non-hydrostatic, density-stratified flow in irregular domains. <i>International Journal for Numerical Methods in Fluids</i> , 2000, 32, 263-284.	1.6	16
22	Diascalar flux and the rate of fluid mixing. <i>Journal of Fluid Mechanics</i> , 1996, 317, 179-193.	3.4	151
23	Available potential energy and mixing in density-stratified fluids. <i>Journal of Fluid Mechanics</i> , 1995, 289, 115-128.	3.4	459