

Christian E Buckingham

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

668
citations

759233

12
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

987
citing authors

#	ARTICLE	IF	CITATIONS
1	Open-Ocean Submesoscale Motions: A Full Seasonal Cycle of Mixed Layer Instabilities from Gliders. <i>Journal of Physical Oceanography</i> , 2016, 46, 1285-1307.	1.7	155
2	Seasonality of submesoscale flows in the ocean surface boundary layer. <i>Geophysical Research Letters</i> , 2016, 43, 2118-2126.	4.0	104
3	An Annual Cycle of Submesoscale Vertical Flow and Restratification in the Upper Ocean. <i>Journal of Physical Oceanography</i> , 2019, 49, 1439-1461.	1.7	97
4	Rapid mixing and exchange of deep-ocean waters in an abyssal boundary current. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13233-13238.	7.1	59
5	The Contribution of Surface and Submesoscale Processes to Turbulence in the Open Ocean Surface Boundary Layer. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 4066-4094.	3.8	44
6	SEASTAR: A Mission to Study Ocean Submesoscale Dynamics and Small-Scale Atmosphere-Ocean Processes in Coastal, Shelf and Polar Seas. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	37
7	Short- and Medium-Range Prediction of Tropical and Transitioning Cyclone Tracks within the NCEP Global Ensemble Forecasting System. <i>Weather and Forecasting</i> , 2010, 25, 1736-1754.	1.4	30
8	Testing Munk's hypothesis for submesoscale eddy generation using observations in the North Atlantic. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 6725-6745.	2.6	22
9	Kinetic Energy Transfers between Mesoscale and Submesoscale Motions in the Open Ocean's Upper Layers. <i>Journal of Physical Oceanography</i> , 2022, 52, 75-97.	1.7	22
10	The contribution of eddies to striations in absolute dynamic topography. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 448-461.	2.6	21
11	The Role of Curvature in Modifying Frontal Instabilities. Part I: Review of Theory and Presentation of a Nondimensional Instability Criterion. <i>Journal of Physical Oceanography</i> , 2021, 51, 299-315.	1.7	21
12	Mixing and Transformation in a Deep Western Boundary Current: A Case Study. <i>Journal of Physical Oceanography</i> , 2021, 51, 1205-1222.	1.7	17
13	Observations of Layering under a Warm-Core Ring in the Gulf of Mexico. <i>Journal of Physical Oceanography</i> , 2019, 49, 3145-3162.	1.7	12
14	The Role of Curvature in Modifying Frontal Instabilities. Part II: Application of the Criterion to Curved Density Fronts at Low Richardson Numbers. <i>Journal of Physical Oceanography</i> , 2021, 51, 317-341.	1.7	12
15	Global observations of quasi-zonal bands in microwave sea surface temperature. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 4840-4866.	2.6	7
16	SST Dynamics at Different Scales: Evaluating the Oceanographic Model Resolution Skill to Represent SST Processes in the Southern Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 2546-2570.	2.6	3
17	<i>Oceans</i> , 2019, , 46-71.		3
18	Eyesafe laser-illuminated tripwire (ELIT) detector. , 2001, 4394, 176.		2