

Ivy Frenger

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4066841/publications.pdf>

Version: 2024-02-01

19
papers

1,339
citations

687363

13
h-index

888059

17
g-index

31
all docs

31
docs citations

31
times ranked

2031
citing authors

#	ARTICLE	IF	CITATIONS
1	Imprint of Southern Ocean eddies on winds, clouds and rainfall. <i>Nature Geoscience</i> , 2013, 6, 608-612.	12.9	324
2	A daily global mesoscale ocean eddy dataset from satellite altimetry. <i>Scientific Data</i> , 2015, 2, 150028.	5.3	230
3	Sea-ice transport driving Southern Ocean salinity and its recent trends. <i>Nature</i> , 2016, 537, 89-92.	27.8	203
4	Southern Ocean eddy phenomenology. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 7413-7449.	2.6	129
5	Role of Mesoscale Eddies in Cross-Frontal Transport of Heat and Biogeochemical Tracers in the Southern Ocean. <i>Journal of Physical Oceanography</i> , 2015, 45, 3057-3081.	1.7	94
6	Preconditioning of the Weddell Sea Polynya by the Ocean Mesoscale and Dense Water Overflows. <i>Journal of Climate</i> , 2017, 30, 7719-7737.	3.2	62
7	Biogeochemical Role of Subsurface Coherent Eddies in the Ocean: Tracer Cannonballs, Hypoxic Storms, and Microbial Stewpots?. <i>Global Biogeochemical Cycles</i> , 2018, 32, 226-249.	4.9	53
8	Atmospheric Response to Mesoscale Sea Surface Temperature Anomalies: Assessment of Mechanisms and Coupling Strength in a High-Resolution Coupled Model over the South Atlantic*. <i>Journals of the Atmospheric Sciences</i> , 2015, 72, 1872-1890.	1.7	48
9	Imprint of Southern Ocean mesoscale eddies on chlorophyll. <i>Biogeosciences</i> , 2018, 15, 4781-4798.	3.3	47
10	Mesoscale atmosphere ocean coupling enhances the transfer of wind energy into the ocean. <i>Nature Communications</i> , 2016, 7, ncomms11867.	12.8	42
11	Seasonal Variation in the Correlation Between Anomalies of Sea Level and Chlorophyll in the Antarctic Circumpolar Current. <i>Geophysical Research Letters</i> , 2018, 45, 5011-5019.	4.0	27
12	Identifying Lagrangian coherent vortices in a mesoscale ocean model. <i>Ocean Modelling</i> , 2018, 130, 15-28.	2.4	27
13	Roles of the Ocean Mesoscale in the Horizontal Supply of Mass, Heat, Carbon, and Nutrients to the Northern Hemisphere Subtropical Gyres. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 7016-7036.	2.6	18
14	On the Processes Sustaining Biological Production in the Offshore Propagating Eddies of the Northern Canary Upwelling System. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, e2021JC017691.	2.6	12
15	Mixed layer depth dominates over upwelling in regulating the seasonality of ecosystem functioning in the Peruvian upwelling system. <i>Biogeosciences</i> , 2022, 19, 455-475.	3.3	10
16	The riddle of eastern tropical Pacific Ocean oxygen levels: the role of the supply by intermediate-depth waters. <i>Ocean Science</i> , 2021, 17, 1489-1507.	3.4	6
17	Mixed Layer Depth Promotes Trophic Amplification on a Seasonal Scale. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	2
18	Quantifying the Contribution of Ocean Mesoscale Eddies to Low Oxygen Extreme Events.. <i>Geophysical Research Letters</i> , 0, , .	4.0	1

#	ARTICLE	IF	CITATIONS
19	Climate Recorded in Seawater: A Workshop on Water-Mass Transformation Analysis for Ocean and Climate Studies. Bulletin of the American Meteorological Society, 2019, 100, ES243-ES247.	3.3	0