

Caitlin B Whalen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4401852/publications.pdf>

Version: 2024-02-01

21
papers

1,422
citations

840776

11
h-index

839539

18
g-index

29
all docs

29
docs citations

29
times ranked

1261
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Patterns of Diapycnal Mixing from Measurements of the Turbulent Dissipation Rate. <i>Journal of Physical Oceanography</i> , 2014, 44, 1854-1872.	1.7	392
2	Climate Process Team on Internal Wave-Driven Ocean Mixing. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 2429-2454.	3.3	235
3	Spatial and temporal variability of global ocean mixing inferred from Argo profiles. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	226
4	Internal wave-driven mixing: governing processes and consequences for climate. <i>Nature Reviews Earth & Environment</i> , 2020, 1, 606-621.	29.7	91
5	Estimating the Mean Diapycnal Mixing Using a Finescale Strain Parameterization. <i>Journal of Physical Oceanography</i> , 2015, 45, 1174-1188.	1.7	89
6	Large-scale impacts of the mesoscale environment on mixing from wind-driven internal waves. <i>Nature Geoscience</i> , 2018, 11, 842-847.	12.9	85
7	ASIRI: An Ocean-Atmosphere Initiative for Bay of Bengal. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1859-1884.	3.3	69
8	Impact of Parameterized Internal Wave Drag on the Semidiurnal Energy Balance in a Global Ocean Circulation Model. <i>Journal of Physical Oceanography</i> , 2016, 46, 1399-1419.	1.7	57
9	A Parameterization of Local and Remote Tidal Mixing. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2020MS002065.	3.8	57
10	A new characterization of the turbulent diapycnal diffusivities of mass and momentum in the ocean. <i>Geophysical Research Letters</i> , 2016, 43, 3370-3379.	4.0	46
11	A Tale of Two Spicy Seas. <i>Oceanography</i> , 2016, 29, 50-61.	1.0	35
12	Direct Observations of Near-Inertial Wave Refraction in a Dipole Vortex. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090375.	4.0	12
13	Best Practices for Comparing Ocean Turbulence Measurements across Spatiotemporal Scales. <i>Journal of Atmospheric and Oceanic Technology</i> , 2021, 38, 837-841.	1.3	7
14	Decreased Stratification in the Abyssal Southwest Pacific Basin and Implications for the Energy Budget. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094322.	4.0	5
15	Spatial and Temporal Variability of Diapycnal Mixing in the Indian Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017257.	2.6	4
16	New technological frontiers in ocean mixing. , 2022, , 345-361.		4
17	Abyssal Heat Budget in the Southwest Pacific Basin. <i>Journal of Physical Oceanography</i> , 2021, , .	1.7	3
18	Tracer and observationally derived constraints on diapycnal diffusivities in an ocean state estimate. <i>Ocean Science</i> , 2022, 18, 729-759.	3.4	3

#	ARTICLE	IF	CITATIONS
19	Serendipitous Internal Wave Signals in Deep Argo Data. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	1
20	Thank You to Our 2020 Peer Reviewers. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093126.	4.0	0
21	Thank You to Our 2021 Peer Reviewers. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	0