

Dhruv Balwada

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

432
citations

687363

13
h-index

888059

17
g-index

25
all docs

25
docs citations

25
times ranked

500
citing authors

#	ARTICLE	IF	CITATIONS
1	Float-Derived Isopycnal Diffusivities in the DIMES Experiment. <i>Journal of Physical Oceanography</i> , 2014, 44, 764-780.	1.7	55
2	Submesoscale Vertical Velocities Enhance Tracer Subduction in an Idealized Antarctic Circumpolar Current. <i>Geophysical Research Letters</i> , 2018, 45, 9790-9802.	4.0	48
3	The Contribution of Submesoscale over Mesoscale Eddy Iron Transport in the Open Southern Ocean. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 3934-3958.	3.8	42
4	Vertical eddy iron fluxes support primary production in the open Southern Ocean. <i>Nature Communications</i> , 2020, 11, 1125.	12.8	41
5	Global Observations of Horizontal Mixing from Argo Float and Surface Drifter Trajectories. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 4560-4575.	2.6	40
6	Scale-dependent distribution of kinetic energy from surface drifters in the Gulf of Mexico. <i>Geophysical Research Letters</i> , 2016, 43, 10,856.	4.0	36
7	Horizontal mixing in the Southern Ocean from Argo float trajectories. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 5570-5586.	2.6	25
8	Circulation and Stirring in the Southeast Pacific Ocean and the Scotia Sea Sectors of the Antarctic Circumpolar Current. <i>Journal of Physical Oceanography</i> , 2016, 46, 2005-2027.	1.7	24
9	Southern Ocean Phytoplankton Blooms Observed by Biogeochemical Floats. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 7328-7343.	2.6	21
10	Modulation of Lateral Transport by Submesoscale Flows and Inertia-Gravity Waves. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 1039-1065.	3.8	21
11	Relative Dispersion in the Antarctic Circumpolar Current. <i>Journal of Physical Oceanography</i> , 2021, 51, 553-574.	1.7	21
12	Parameterizing Nonpropagating Form Drag over Rough Bathymetry. <i>Journal of Physical Oceanography</i> , 2021, 51, 1489-1501.	1.7	18
13	Observational Evidence of Ventilation Hotspots in the Southern Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017178.	2.6	15
14	Vertical fluxes conditioned on vorticity and strain reveal submesoscale ventilation. <i>Journal of Physical Oceanography</i> , 2021, , .	1.7	11
15	Enhanced Ventilation in Energetic Regions of the Antarctic Circumpolar Current. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	9
16	Diagnosing the Thickness-Weighted Averaged Eddy-Mean Flow Interaction From an Eddying North Atlantic Ensemble: The Eliassen-Palm Flux. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	3.8	3
17	Drifter and dye tracks reveal dispersal processes that can affect phytoplankton distributions in shallow estuarine environments. <i>Estuarine, Coastal and Shelf Science</i> , 2022, 269, 107811.	2.1	1