

Helen E Phillips

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,387
citations

279701

23
h-index

345118

36
g-index

51
all docs

51
docs citations

51
times ranked

1657
citing authors

#	ARTICLE	IF	CITATIONS
1	Characteristics of Wind-Generated Near-Inertial Waves in the Southeast Indian Ocean. <i>Journal of Physical Oceanography</i> , 2022, 52, 557-578.	0.7	0
2	Dynamics of a Standing Meander of the Subantarctic Front Diagnosed from Satellite Altimetry and Along-Stream Anomalies of Temperature and Salinity. <i>Journal of Physical Oceanography</i> , 2022, 52, 1073-1089.	0.7	2
3	Local Drivers of Extreme Upper Ocean Marine Heatwaves Assessed Using a Global Ocean Circulation Model. <i>Frontiers in Climate</i> , 2022, 4, .	1.3	7
4	Turbulent mixing variability in an energetic standing meander of the Southern Ocean. <i>Journal of Physical Oceanography</i> , 2022, , .	0.7	0
5	Physical Drivers of Biogeochemical Variability in the Polar Front Meander. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	1.0	1
6	Watermass characteristics and circulation near 110°E in the southeast Indian Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2022, 202, 105149.	0.6	3
7	A Global, Multiproduct Analysis of Coastal Marine Heatwaves: Distribution, Characteristics, and Long-Term Trends. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016708.	1.0	45
8	Improving Australian Rainfall Prediction Using Sea Surface Salinity. <i>Journal of Climate</i> , 2021, 34, 2473-2490.	1.2	5
9	Observational estimates of turbulent mixing in the southeast Indian Ocean. <i>Journal of Physical Oceanography</i> , 2021, , .	0.7	2
10	Slower Long-Term Coastal Warming Drives Dampened Trends in Coastal Marine Heatwave Exposure. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017930.	1.0	12
11	Progress in understanding of Indian Ocean circulation, variability, air-sea exchange, and impacts on biogeochemistry. <i>Ocean Science</i> , 2021, 17, 1677-1751.	1.3	43
12	Near-Surface Salinity Reveals the Oceanic Sources of Moisture for Australian Precipitation through Atmospheric Moisture Transport. <i>Journal of Climate</i> , 2020, 33, 6707-6730.	1.2	8
13	Recent hemispheric asymmetry in global ocean warming induced by climate change and internal variability. <i>Nature Communications</i> , 2020, 11, 2008.	5.8	33
14	The Biogeochemical Structure of Southern Ocean Mesoscale Eddies. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016115.	1.0	19
15	Southern Australia Current System based on a gridded hydrography and a high-resolution model. <i>Progress in Oceanography</i> , 2020, 181, 102254.	1.5	13
16	Global Perspectives on Observing Ocean Boundary Current Systems. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	39
17	Seasonal Evolution of the Surface Layer Heat Balance in the Eastern Subtropical Indian Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 6459-6477.	1.0	6
18	The Scientific and Societal Uses of Global Measurements of Subsurface Velocity. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	3

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19	Detecting Change in the Indonesian Seas. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	61
20	Meridional Heat and Salt Transport Across the Subantarctic Front by Cold-Core Eddies. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 981-1004.	1.0	17
21	Mesoscale eddy characteristics in the interior subtropical southeast Indian Ocean, tracked from the Leeuwin Current system. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2019, 161, 52-62.	0.6	9
22	Strengthened Indonesian Throughflow Drives Decadal Warming in the Southern Indian Ocean. <i>Geophysical Research Letters</i> , 2018, 45, 6167-6175.	1.5	79
23	On the Leeuwin Current System and Its Linkage to Zonal Flows in the South Indian Ocean as Inferred from a Gridded Hydrography. <i>Journal of Physical Oceanography</i> , 2017, 47, 583-602.	0.7	35
24	Eddy-induced carbon transport across the Antarctic Circumpolar Current. <i>Global Biogeochemical Cycles</i> , 2017, 31, 1368-1386.	1.9	32
25	A glaciochemical study of the 120-m ice core from Mill Island, East Antarctica. <i>Climate of the Past</i> , 2017, 13, 437-453.	1.3	5
26	Interannual variability of the South Indian Countercurrent. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 3465-3487.	1.0	19
27	Biogeochemical variability in the central equatorial Indian Ocean during the monsoon transition. <i>Biogeosciences</i> , 2015, 12, 2367-2382.	1.3	31
28	Internal Waves and Mixing near the Kerguelen Plateau. <i>Journal of Physical Oceanography</i> , 2015, 46, 417-437.	0.7	25
29	Mixing Variability in the Southern Ocean. <i>Journal of Physical Oceanography</i> , 2015, 45, 966-987.	0.7	39
30	An Assessment of Numerical Weather Prediction-Derived Low-Cloud-Base Height Forecasts. <i>Weather and Forecasting</i> , 2015, 30, 486-497.	0.5	7
31	Detecting and Characterizing Ekman Currents in the Southern Ocean. <i>Journal of Physical Oceanography</i> , 2015, 45, 1205-1223.	0.7	13
32	Aquarius sea surface salinity in the South Indian Ocean: Revealing annual-period planetary waves. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 3883-3908.	1.0	34
33	Dynamics of the Leeuwin Current: Part 2. Impacts of mixing, friction, and advection on a buoyancy-driven eastern boundary current over a shelf. <i>Dynamics of Atmospheres and Oceans</i> , 2014, 65, 39-63.	0.7	27
34	On the nonequivalent barotropic structure of the Antarctic circumpolar current: An observational perspective. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 5221-5243.	1.0	29
35	South Indian countercurrent and associated fronts. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 6763-6791.	1.0	57
36	Dynamics of the Leeuwin Current: Part 1. Coastal flows in an inviscid, variable-density, layer model. <i>Dynamics of Atmospheres and Oceans</i> , 2013, 63, 24-59.	0.7	42

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37	Salinity dominance on the Indian Ocean Eastern Gyral current. <i>Geophysical Research Letters</i> , 2013, 40, 5716-5721.	1.5	40
38	Bermuda's Tale of Two Time Series: Hydrostation S and BATS*. <i>Journal of Physical Oceanography</i> , 2007, 37, 554-571.	0.7	34
39	Interannual variability in the freshwater content of the Indonesian-Australian Basin. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	35
40	Ocean Response and Feedback to the SST Dipole in the Tropical Atlantic*. <i>Journal of Physical Oceanography</i> , 2004, 34, 2525-2540.	0.7	24
41	A Mean Synoptic View of the Subantarctic Front South of Australia. <i>Journal of Physical Oceanography</i> , 2002, 32, 1536-1553.	0.7	24
42	Eddy Variability and Energetics from Direct Current Measurements in the Antarctic Circumpolar Current South of Australia. <i>Journal of Physical Oceanography</i> , 2000, 30, 3050-3076.	0.7	146
43	On the use of random walk models with spatially variable diffusivity. <i>Journal of Computational Physics</i> , 1993, 106, 366-376.	1.9	195
44	Space and time scales for optimal interpolation of temperature in the Tropical Pacific Ocean. <i>Progress in Oceanography</i> , 1991, 28, 189-218.	1.5	75