

Teresa Chereskin

List of Publications by Year in descending order

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52
papers

2,591
citations

257101

24
h-index

189595

50
g-index

54
all docs

54
docs citations

54
times ranked

2979
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Abyssal Mixing Inferred from Lowered ADCP Shear and CTD Strain Profiles. <i>Journal of Physical Oceanography</i> , 2006, 36, 1553-1576.	0.7	395
2	Mesoscale to Submesoscale Wavenumber Spectra in Drake Passage. <i>Journal of Physical Oceanography</i> , 2016, 46, 601-620.	0.7	199
3	Mean Antarctic Circumpolar Current transport measured in Drake Passage. <i>Geophysical Research Letters</i> , 2016, 43, 11,760.	1.5	173
4	SUSTAINED MONITORING OF THE SOUTHERN OCEAN AT DRAKE PASSAGE: PAST ACHIEVEMENTS AND FUTURE PRIORITIES. <i>Reviews of Geophysics</i> , 2011, 49, .	9.0	121
5	Seasonality of submesoscale dynamics in the Kuroshio Extension. <i>Geophysical Research Letters</i> , 2016, 43, 11,304.	1.5	120
6	Altimetry for the future: Building on 25 years of progress. <i>Advances in Space Research</i> , 2021, 68, 319-363.	1.2	119
7	Direct evidence for an Ekman balance in the California Current. <i>Journal of Geophysical Research</i> , 1995, 100, 18261.	3.3	102
8	Formation rates of Subantarctic mode water and Antarctic intermediate water within the South Pacific. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2011, 58, 524-534.	0.6	102
9	Antarctic Intermediate Water and Subantarctic Mode Water Formation in the Southeast Pacific: The Role of Turbulent Mixing. <i>Journal of Physical Oceanography</i> , 2010, 40, 1558-1574.	0.7	84
10	Vertical structure and transport of the Antarctic Circumpolar Current in Drake Passage from direct velocity observations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	84
11	A Comparison of Measured and Wind-derived Ekman Transport at 11°N in the Atlantic Ocean. <i>Journal of Physical Oceanography</i> , 1991, 21, 869-878.	0.7	74
12	Observations of Ekman Currents in the Southern Ocean. <i>Journal of Physical Oceanography</i> , 2009, 39, 768-779.	0.7	73
13	Seasonal renewal of the California Current: The spring transition off California. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	64
14	The Sources and Mixing Characteristics of the Agulhas Current. <i>Journal of Physical Oceanography</i> , 2006, 36, 2060-2074.	0.7	64
15	Transport of mass, heat, salt, and nutrients in the southern California Current System: Annual cycle and interannual variability. <i>Journal of Geophysical Research</i> , 2001, 106, 9255-9275.	3.3	55
16	Strong bottom currents and cyclogenesis in Drake Passage. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	51
17	Mean jets, mesoscale variability and eddy momentum fluxes in the surface layer of the Antarctic Circumpolar Current in Drake Passage. <i>Journal of Marine Research</i> , 2007, 65, 27-58.	0.3	49
18	Mean structure and seasonal variability of the poleward undercurrent off southern California. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	46

#	ARTICLE	IF	CITATIONS
19	Correlation scales, objective mapping, and absolute geostrophic flow in the California Current. <i>Journal of Geophysical Research</i> , 1996, 101, 22619-22629.	3.3	45
20	The role of air-sea fluxes in Subantarctic Mode Water formation. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	43
21	The JADE and WOCE I10/IR6 Throughflow sections in the southeast Indian Ocean. Part 2: velocity and transports. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 1363-1389.	0.6	37
22	Identifying and Screening Filter Skew and Noise Bias in Acoustic Doppler Current Profiler Measurements. <i>Journal of Atmospheric and Oceanic Technology</i> , 1989, 6, 1040-1054.	0.5	35
23	Topographic form stress in the Southern Ocean State Estimate. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 7919-7933.	1.0	35
24	Characterizing the Transition From Balanced to Unbalanced Motions in the Southern California Current. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 2088-2109.	1.0	35
25	Absolute geostrophic currents in the East Auckland Current region. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2002, 36, 751-762.	0.8	26
26	Observations of the Ekman Balance at 8°30' N in the Arabian Sea during the 1995 Southwest Monsoon. <i>Geophysical Research Letters</i> , 1997, 24, 2541-2544.	1.5	23
27	cDrake: Dynamics and Transport of the Antarctic Circumpolar Current in Drake Passage. <i>Oceanography</i> , 2012, 25, 134-135.	0.5	23
28	Can Drake Passage Observations Match Ekman's Classic Theory?. <i>Journal of Physical Oceanography</i> , 2013, 43, 1733-1740.	0.7	21
29	Shear at the Base of the Oceanic Mixed Layer Generated by Wind Shear Alignment. <i>Journal of Physical Oceanography</i> , 2013, 43, 1798-1810.	0.7	21
30	The volume transport of the Somali Current during the 1995 southwest monsoon. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2003, 50, 2077-2089.	0.6	20
31	Near-Surface Eddy Heat and Momentum Fluxes in the Antarctic Circumpolar Current in Drake Passage. <i>Journal of Physical Oceanography</i> , 2011, 41, 1385-1407.	0.7	20
32	Modulational development of nonlinear gravity-wave groups. <i>Journal of Fluid Mechanics</i> , 1985, 151, 337.	1.4	19
33	High-Resolution Underway Upper Ocean and Surface Atmospheric Observations in Drake Passage: Synergistic Measurements for Climate Science. <i>Oceanography</i> , 2012, 25, 70-81.	0.5	19
34	Improving Estimates of the Antarctic Circumpolar Current Streamlines in Drake Passage. <i>Journal of Physical Oceanography</i> , 2008, 38, 1000-1010.	0.7	17
35	Computation of Geostrophic Streamfunction, Its Derivatives, and Error Estimates from an Array of CPIES in Drake Passage. <i>Journal of Atmospheric and Oceanic Technology</i> , 2014, 31, 656-680.	0.5	17
36	Subantarctic mode water in the southeast Pacific: Effect of exchange across the Subantarctic Front. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 2052-2066.	1.0	16

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37	A Numerical Study of the Effect of Upper-Ocean Shear on Flexible Drogued Drifters. <i>Journal of Atmospheric and Oceanic Technology</i> , 1989, 6, 243-253.	0.5	15
38	Estimates of Eddy Heat Flux Crossing the Antarctic Circumpolar Current from Observations in Drake Passage. <i>Journal of Physical Oceanography</i> , 2016, 46, 2103-2122.	0.7	15
39	Reversing bottom circulation in the Somali Basin. <i>Geophysical Research Letters</i> , 2000, 27, 2565-2568.	1.5	14
40	Variability of water properties, heat and salt fluxes in the Arabian Sea, between the onset and wane of the 1995 southwest monsoon. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2003, 50, 2049-2075.	0.6	14
41	Monitoring geostrophic currents at the equator. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1987, 34, 1149-1161.	1.6	11
42	The Ekman temperature and salt fluxes at 8°30'N in the Arabian Sea during the 1995 southwest monsoon. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 1211-1230.	0.6	11
43	Bottom pressure torque and the vorticity balance from observations in Drake Passage. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 4282-4302.	1.0	10
44	Nonlinear vorticity balance of the Subantarctic Front in the southeast Pacific. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	9
45	Comparison of Shipboard Acoustic Doppler Current Profiler and Moored Current Measurements in the Equatorial Pacific. <i>Journal of Atmospheric and Oceanic Technology</i> , 1987, 4, 742-747.	0.5	8
46	Interannual to diurnal variability in the near-surface scattering layer in Drake Passage. <i>ICES Journal of Marine Science</i> , 2007, 64, 1617-1626.	1.2	8
47	Four Current Meter Models Compared in Strong Currents in Drake Passage. <i>Journal of Atmospheric and Oceanic Technology</i> , 2013, 30, 2465-2477.	0.5	7
48	Interfacial Form Stress in the Southern Ocean State Estimate. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 3368-3385.	1.0	7
49	Upper-Ocean Eddy Heat Flux across the Antarctic Circumpolar Current in Drake Passage from Observations: Time-Mean and Seasonal Variability. <i>Journal of Physical Oceanography</i> , 2020, 50, 2507-2527.	0.7	5
50	Turbulent mixing and lee-wave radiation in Drake Passage: sensitivity to topography. <i>Journal of Geophysical Research: Oceans</i> , 0, , .	1.0	2
51	Upper Ocean Structure: Ekman Transport and Pumping. , 2019, , 80-85.		1
52	Transition from Balanced to Unbalanced Motion in the Eastern Tropical Pacific. <i>Journal of Physical Oceanography</i> , 2022, 52, 1775-1795.	0.7	0