

Teresa Chereskin

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Transition from Balanced to Unbalanced Motion in the Eastern Tropical Pacific. <i>Journal of Physical Oceanography</i> , 2022, 52, 1775-1795. | 0.7 | 0 |
| 2 | Altimetry for the future: Building on 25 years of progress. <i>Advances in Space Research</i> , 2021, 68, 319-363. | 1.2 | 119 |
| 3 | 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 |
| 4 | Upper Ocean Structure: Ekman Transport and Pumping. , 2019, , 80-85. | | 1 |
| 5 | 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 |
| 6 | Interfacial Form Stress in the Southern Ocean State Estimate. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 3368-3385. | 1.0 | 7 |
| 7 | 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 |
| 8 | Mean Antarctic Circumpolar Current transport measured in Drake Passage. <i>Geophysical Research Letters</i> , 2016, 43, 11,760. | 1.5 | 173 |
| 9 | 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 |
| 10 | Seasonality of submesoscale dynamics in the Kuroshio Extension. <i>Geophysical Research Letters</i> , 2016, 43, 11,304. | 1.5 | 120 |
| 11 | Mesoscale to Submesoscale Wavenumber Spectra in Drake Passage. <i>Journal of Physical Oceanography</i> , 2016, 46, 601-620. | 0.7 | 199 |
| 12 | Topographic form stress in the Southern Ocean State Estimate. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 7919-7933. | 1.0 | 35 |
| 13 | 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 |
| 14 | 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 |
| 15 | Can Drake Passage Observations Match Ekman's Classic Theory?. <i>Journal of Physical Oceanography</i> , 2013, 43, 1733-1740. | 0.7 | 21 |
| 16 | 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 |
| 17 | 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 |
| 18 | The role of air-sea fluxes in Subantarctic Mode Water formation. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 43 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | cDrake: Dynamics and Transport of the Antarctic Circumpolar Current in Drake Passage. <i>Oceanography</i> , 2012, 25, 134-135. | 0.5 | 23 |
| 20 | 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 |
| 21 | SUSTAINED MONITORING OF THE SOUTHERN OCEAN AT DRAKE PASSAGE: PAST ACHIEVEMENTS AND FUTURE PRIORITIES. <i>Reviews of Geophysics</i> , 2011, 49, . | 9.0 | 121 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | Nonlinear vorticity balance of the Subantarctic Front in the southeast Pacific. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 9 |
| 27 | Observations of Ekman Currents in the Southern Ocean. <i>Journal of Physical Oceanography</i> , 2009, 39, 768-779. | 0.7 | 73 |
| 28 | Strong bottom currents and cyclogenesis in Drake Passage. <i>Geophysical Research Letters</i> , 2009, 36, . | 1.5 | 51 |
| 29 | Mean structure and seasonal variability of the poleward undercurrent off southern California. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 46 |
| 30 | Improving Estimates of the Antarctic Circumpolar Current Streamlines in Drake Passage. <i>Journal of Physical Oceanography</i> , 2008, 38, 1000-1010. | 0.7 | 17 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | The Sources and Mixing Characteristics of the Agulhas Current. <i>Journal of Physical Oceanography</i> , 2006, 36, 2060-2074. | 0.7 | 64 |
| 35 | Seasonal renewal of the California Current: The spring transition off California. <i>Journal of Geophysical Research</i> , 2003, 108, . | 3.3 | 64 |
| 36 | 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 |

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|----|---|-----|-----------|
| 37 | The volume transport of the Somali Current during the 1995 southwest monsoon. Deep-Sea Research Part II: Topical Studies in Oceanography, 2003, 50, 2077-2089. | 0.6 | 20 |
| 38 | Absolute geostrophic currents in the East Auckland Current region. New Zealand Journal of Marine and Freshwater Research, 2002, 36, 751-762. | 0.8 | 26 |
| 39 | The JADE and WOCE I10/IR6 Throughflow sections in the southeast Indian Ocean. Part 2: velocity and transports. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 1363-1389. | 0.6 | 37 |
| 40 | The Ekman temperature and salt fluxes at 8°30'N in the Arabian Sea during the 1995 southwest monsoon. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 1211-1230. | 0.6 | 11 |
| 41 | Transport of mass, heat, salt, and nutrients in the southern California Current System: Annual cycle and interannual variability. Journal of Geophysical Research, 2001, 106, 9255-9275. | 3.3 | 55 |
| 42 | Reversing bottom circulation in the Somali Basin. Geophysical Research Letters, 2000, 27, 2565-2568. | 1.5 | 14 |
| 43 | Observations of the Ekman Balance at 8°30' N in the Arabian Sea during the 1995 Southwest Monsoon. Geophysical Research Letters, 1997, 24, 2541-2544. | 1.5 | 23 |
| 44 | Correlation scales, objective mapping, and absolute geostrophic flow in the California Current. Journal of Geophysical Research, 1996, 101, 22619-22629. | 3.3 | 45 |
| 45 | Direct evidence for an Ekman balance in the California Current. Journal of Geophysical Research, 1995, 100, 18261. | 3.3 | 102 |
| 46 | A Comparison of Measured and Wind-derived Ekman Transport at 11°N in the Atlantic Ocean. Journal of Physical Oceanography, 1991, 21, 869-878. | 0.7 | 74 |
| 47 | A Numerical Study of the Effect of Upper-Ocean Shear on Flexible Drogued Drifters. Journal of Atmospheric and Oceanic Technology, 1989, 6, 243-253. | 0.5 | 15 |
| 48 | Identifying and Screening Filter Skew and Noise Bias in Acoustic Doppler Current Profiler Measurements. Journal of Atmospheric and Oceanic Technology, 1989, 6, 1040-1054. | 0.5 | 35 |
| 49 | Comparison of Shipboard Acoustic Doppler Current Profiler and Moored Current Measurements in the Equatorial Pacific. Journal of Atmospheric and Oceanic Technology, 1987, 4, 742-747. | 0.5 | 8 |
| 50 | Monitoring geostrophic currents at the equator. Deep-sea Research Part A, Oceanographic Research Papers, 1987, 34, 1149-1161. | 1.6 | 11 |
| 51 | Modulational development of nonlinear gravity-wave groups. Journal of Fluid Mechanics, 1985, 151, 337. | 1.4 | 19 |
| 52 | Turbulent mixing and lee-wave radiation in Drake Passage: sensitivity to topography. Journal of Geophysical Research: Oceans, 0, , . | 1.0 | 2 |