

James B Girton

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

2,018
citations

331670

21
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315739

38
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42
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docs citations

42
times ranked

2174
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Submarine Canyon Oxygen Anomaly Caused by Mixing and Boundary-Interior Exchange. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092995. | 4.0 | 2 |
| 2 | Destratification and Restratification of the Spring Surface Boundary Layer in a Subtropical Front. <i>Journal of Physical Oceanography</i> , 2021, 51, 2861-2882. | 1.7 | 1 |
| 3 | Direct Observations of Near-Inertial Wave Refraction in a Dipole Vortex. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090375. | 4.0 | 12 |
| 4 | Internal Tide Attenuation in the North Pacific. <i>Geophysical Research Letters</i> , 2019, 46, 8205-8213. | 4.0 | 18 |
| 5 | Persistent Turbulence in the Samoan Passage. <i>Journal of Physical Oceanography</i> , 2019, 49, 3179-3197. | 1.7 | 7 |
| 6 | Squeeze Dispersion and the Effective Diapycnal Diffusivity of Oceanic Tracers. <i>Geophysical Research Letters</i> , 2019, 46, 5378-5386. | 4.0 | 5 |
| 7 | Pacific Abyssal Transport and Mixing: Through the Samoan Passage versus around the Manihiki Plateau. <i>Journal of Physical Oceanography</i> , 2019, 49, 1577-1592. | 1.7 | 8 |
| 8 | Buoyancy-adjusting Profiling Floats for Exploration of Heat Transport, Melt Rates, and Mixing in the Ocean Cavities Under Floating Ice Shelves. , 2019, , . | | 6 |
| 9 | Flow-Topography Interactions in the Samoan Passage. <i>Oceanography</i> , 2019, 32, 184-193. | 1.0 | 4 |
| 10 | A Spatial Geography of Abyssal Turbulent Mixing in the Samoan Passage. <i>Oceanography</i> , 2019, 32, 194-203. | 1.0 | 8 |
| 11 | Measurements of Directional Wave Spectra and Wind Stress from a Wave Glider Autonomous Surface Vehicle. <i>Journal of Atmospheric and Oceanic Technology</i> , 2018, 35, 347-363. | 1.3 | 39 |
| 12 | Development, implementation, and validation of a California coastal ocean modeling, data assimilation, and forecasting system. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018, 151, 49-63. | 1.4 | 18 |
| 13 | When Mixed Layers Are Not Mixed. Storm-Driven Mixing and Bio-Optical Vertical Gradients in Mixed Layers of the Southern Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 7264-7289. | 2.6 | 47 |
| 14 | Autonomous control of marine floats in the presence of dynamic, uncertain ocean currents. <i>Robotics and Autonomous Systems</i> , 2018, 108, 100-114. | 5.1 | 9 |
| 15 | On the hydrography of Denmark Strait. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 306-321. | 2.6 | 48 |
| 16 | On the Nature of the Mesoscale Variability in Denmark Strait. <i>Journal of Physical Oceanography</i> , 2017, 47, 567-582. | 1.7 | 19 |
| 17 | Observation of a Large Lee Wave in the Drake Passage. <i>Journal of Physical Oceanography</i> , 2017, 47, 793-810. | 1.7 | 34 |
| 18 | The Impact of Observed Variations in the Shear-to-Strain Ratio of Internal Waves on Inferred Turbulent Diffusivities. <i>Journal of Physical Oceanography</i> , 2016, 46, 3299-3320. | 1.7 | 14 |

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|----|--|-----|-----------|
| 19 | Warming and Weakening of the Abyssal Flow through Samoan Passage. <i>Journal of Physical Oceanography</i> , 2016, 46, 2389-2401. | 1.7 | 24 |
| 20 | Global Observations of Open-Ocean Mode-1 M2 Internal Tides. <i>Journal of Physical Oceanography</i> , 2016, 46, 1657-1684. | 1.7 | 164 |
| 21 | Pathways, Volume Transport, and Mixing of Abyssal Water in the Samoan Passage. <i>Journal of Physical Oceanography</i> , 2015, 45, 562-588. | 1.7 | 33 |
| 22 | Quantifying High-Frequency Wind Energy Flux into Near-Inertial Motions in the Southeast Pacific. <i>Journal of Physical Oceanography</i> , 2015, 45, 369-386. | 1.7 | 17 |
| 23 | Observations of the internal tide on the California continental margin near Monterey Bay. <i>Continental Shelf Research</i> , 2014, 82, 60-71. | 1.8 | 8 |
| 24 | The East Greenland Spill Jet as an important component of the Atlantic Meridional Overturning Circulation. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014, 92, 75-84. | 1.4 | 36 |
| 25 | Eighteen Degree Water formation within the Gulf Stream during CLIMODE. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 91, 1-10. | 1.4 | 26 |
| 26 | Turbulent mixing and hydraulic control of abyssal water in the Samoan Passage. <i>Geophysical Research Letters</i> , 2013, 40, 4668-4674. | 4.0 | 49 |
| 27 | Turbulent Mixing and Exchange with Interior Waters on Sloping Boundaries. <i>Journal of Physical Oceanography</i> , 2012, 42, 910-927. | 1.7 | 68 |
| 28 | Mapping Low-Mode Internal Tides from Multisatellite Altimetry. <i>Oceanography</i> , 2012, 25, 42-51. | 1.0 | 53 |
| 29 | Observations of internal waves and parametric subharmonic instability in the Philippines archipelago. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 10 |
| 30 | Internal tides around the Hawaiian Ridge estimated from multisatellite altimetry. <i>Journal of Geophysical Research</i> , 2011, 116, . | 3.3 | 39 |
| 31 | Development of a Hindcast/Forecast Model for the Philippine Archipelago. <i>Oceanography</i> , 2011, 24, 58-69. | 1.0 | 12 |
| 32 | Upper-Ocean Response to Hurricane Frances (2004) Observed by Profiling EM-APEX Floats*. <i>Journal of Physical Oceanography</i> , 2011, 41, 1041-1056. | 1.7 | 184 |
| 33 | Highly resolved observations and simulations of the ocean response to a hurricane. <i>Geophysical Research Letters</i> , 2007, 34, . | 4.0 | 116 |
| 34 | Deepwater overflow through Luzon Strait. <i>Journal of Geophysical Research</i> , 2006, 111, . | 3.3 | 269 |
| 35 | Comparison of entrainment in overflows simulated by z-coordinate, isopycnal and non-hydrostatic models. <i>Ocean Modelling</i> , 2006, 11, 69-97. | 2.4 | 150 |
| 36 | Is the Faroe Bank Channel Overflow Hydraulically Controlled?. <i>Journal of Physical Oceanography</i> , 2006, 36, 2340-2349. | 1.7 | 51 |

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|----|---|-----|-----------|
| 37 | An Estimate of Tidal Energy Lost to Turbulence at the Hawaiian Ridge. <i>Journal of Physical Oceanography</i> , 2006, 36, 1148-1164. | 1.7 | 187 |
| 38 | Descent and Modification of the Overflow Plume in the Denmark Strait*. <i>Journal of Physical Oceanography</i> , 2003, 33, 1351-1364. | 1.7 | 129 |
| 39 | Synoptic sections of the Denmark Strait Overflow. <i>Geophysical Research Letters</i> , 2001, 28, 1619-1622. | 4.0 | 94 |