

James B Girton

List of Publications by Year in descending order

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39
papers

2,018
citations

331670

21
h-index

315739

38
g-index

42
all docs

42
docs citations

42
times ranked

2174
citing authors

#	ARTICLE	IF	CITATIONS
1	Deepwater overflow through Luzon Strait. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	269
2	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
3	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
4	Global Observations of Open-Ocean Mode-1 M2 Internal Tides. <i>Journal of Physical Oceanography</i> , 2016, 46, 1657-1684.	1.7	164
5	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
6	Descent and Modification of the Overflow Plume in the Denmark Strait*. <i>Journal of Physical Oceanography</i> , 2003, 33, 1351-1364.	1.7	129
7	Highly resolved observations and simulations of the ocean response to a hurricane. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	116
8	Synoptic sections of the Denmark Strait Overflow. <i>Geophysical Research Letters</i> , 2001, 28, 1619-1622.	4.0	94
9	Turbulent Mixing and Exchange with Interior Waters on Sloping Boundaries. <i>Journal of Physical Oceanography</i> , 2012, 42, 910-927.	1.7	68
10	Mapping Low-Mode Internal Tides from Multisatellite Altimetry. <i>Oceanography</i> , 2012, 25, 42-51.	1.0	53
11	Is the Faroe Bank Channel Overflow Hydraulically Controlled?. <i>Journal of Physical Oceanography</i> , 2006, 36, 2340-2349.	1.7	51
12	Turbulent mixing and hydraulic control of abyssal water in the Samoan Passage. <i>Geophysical Research Letters</i> , 2013, 40, 4668-4674.	4.0	49
13	On the hydrography of <sc>D</sc>enmark <sc>S</sc>trait. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 306-321.	2.6	48
14	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
15	Internal tides around the Hawaiian Ridge estimated from multisatellite altimetry. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	39
16	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
17	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
18	Observation of a Large Lee Wave in the Drake Passage. <i>Journal of Physical Oceanography</i> , 2017, 47, 793-810.	1.7	34

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19	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
20	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
21	Warming and Weakening of the Abyssal Flow through Samoan Passage. <i>Journal of Physical Oceanography</i> , 2016, 46, 2389-2401.	1.7	24
22	On the Nature of the Mesoscale Variability in Denmark Strait. <i>Journal of Physical Oceanography</i> , 2017, 47, 567-582.	1.7	19
23	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
24	Internal Tide Attenuation in the North Pacific. <i>Geophysical Research Letters</i> , 2019, 46, 8205-8213.	4.0	18
25	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
26	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
27	Development of a Hindcast/Forecast Model for the Philippine Archipelago. <i>Oceanography</i> , 2011, 24, 58-69.	1.0	12
28	Direct Observations of Near-Inertial Wave Refraction in a Dipole Vortex. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090375.	4.0	12
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	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
31	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
32	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
33	A Spatial Geography of Abyssal Turbulent Mixing in the Samoan Passage. <i>Oceanography</i> , 2019, 32, 194-203.	1.0	8
34	Persistent Turbulence in the Samoan Passage. <i>Journal of Physical Oceanography</i> , 2019, 49, 3179-3197.	1.7	7
35	Buoyancy-adjusting Profiling Floats for Exploration of Heat Transport, Melt Rates, and Mixing in the Ocean Cavities Under Floating Ice Shelves. , 2019, , .		6
36	Squeeze Dispersion and the Effective Diapycnal Diffusivity of Oceanic Tracers. <i>Geophysical Research Letters</i> , 2019, 46, 5378-5386.	4.0	5

#	ARTICLE	IF	CITATIONS
37	Flow-Topography Interactions in the Samoan Passage. <i>Oceanography</i> , 2019, 32, 184-193.	1.0	4
38	Submarine Canyon Oxygen Anomaly Caused by Mixing and Boundary-Interior Exchange. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092995.	4.0	2
39	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