

# James G Richman

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

1,732  
citations

279798

23  
h-index

434195

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1523  
citing authors

#	ARTICLE	IF	CITATIONS
1	Accuracy assessment of global barotropic ocean tide models. <i>Reviews of Geophysics</i> , 2014, 52, 243-282.	23.0	338
2	Space and time scales of mesoscale motion in the western North Atlantic. <i>Reviews of Geophysics</i> , 1977, 15, 385-420.	23.0	102
3	Global Modeling of Internal Tides Within an Eddyng Ocean General Circulation Model. <i>Oceanography</i> , 2012, 25, 20-29.	1.0	91
4	On Eddy Viscosity, Energy Cascades, and the Horizontal Resolution of Gridded Satellite Altimeter Products*. <i>Journal of Physical Oceanography</i> , 2013, 43, 283-300.	1.7	89
5	Inferring dynamics from the wavenumber spectra of an eddyng global ocean model with embedded tides. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	82
6	Spectral decomposition of internal gravity wave sea surface height in global models. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 7803-7821.	2.6	78
7	An evaluation of the barotropic and internal tides in a high-resolution global ocean circulation model. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	76
8	Geostrophic Turbulence in the Frequency-Wavenumber Domain: Eddy-Driven Low-Frequency Variability*. <i>Journal of Physical Oceanography</i> , 2014, 44, 2050-2069.	1.7	70
9	Nonlinear Cascades of Surface Oceanic Geostrophic Kinetic Energy in the Frequency Domain*. <i>Journal of Physical Oceanography</i> , 2012, 42, 1577-1600.	1.7	60
10	Frequency content of sea surface height variability from internal gravity waves to mesoscale eddies. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 2519-2538.	2.6	60
11	Semidiurnal internal tide incoherence in the equatorial Pacific. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 5286-5305.	2.6	59
12	Impact of Parameterized Internal Wave Drag on the Semidiurnal Energy Balance in a Global Ocean Circulation Model. <i>Journal of Physical Oceanography</i> , 2016, 46, 1399-1419.	1.7	57
13	A Primer on Global Internal Tide and Internal Gravity Wave Continuum Modeling in HYCOM and MITgcm. , 0, , .		56
14	How stationary are the internal tides in a high-resolution global ocean circulation model?. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 2769-2787.	2.6	51
15	Indirect evidence for substantial damping of low-mode internal tides in the open ocean. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 6057-6071.	2.6	45
16	Energetics of a global ocean circulation model compared to observations. <i>Geophysical Research Letters</i> , 2011, 38, .	4.0	44
17	Impact of topographic internal lee wave drag on an eddyng global ocean model. <i>Ocean Modelling</i> , 2016, 97, 109-128.	2.4	43
18	Effects of stencil width on surface ocean geostrophic velocity and vorticity estimation from gridded satellite altimeter data. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	41

#	ARTICLE	IF	CITATIONS
19	Toward an internal gravity wave spectrum in global ocean models. <i>Geophysical Research Letters</i> , 2015, 42, 3474-3481.	4.0	33
20	Semidiurnal internal tide energy fluxes and their variability in a global ocean model and moored observations. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 1882-1900.	2.6	29
21	Skill testing a three-dimensional global tide model to historical current meter records. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 6914-6933.	2.6	28
22	On improving the accuracy of the M2 barotropic tides embedded in a high-resolution global ocean circulation model. <i>Ocean Modelling</i> , 2016, 97, 16-26.	2.4	28
23	The Global Mesoscale Eddy Available Potential Energy Field in Models and Observations. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 9126-9143.	2.6	26
24	Temperature versus salinity gradients below the ocean mixed layer. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	24
25	Geographical Distribution of Diurnal and Semidiurnal Parametric Subharmonic Instability in a Global Ocean Circulation Model. <i>Journal of Physical Oceanography</i> , 2018, 48, 1409-1431.	1.7	24
26	Toward Realistic Nonstationarity of Semidiurnal Baroclinic Tides in a Hydrodynamic Model. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 6632-6642.	2.6	23
27	Impact of submesoscale processes on dynamics of phytoplankton filaments. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 2050-2062.	2.6	22
28	Skill tests of three-dimensional tidal currents in a global ocean model: A look at the North Atlantic. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	18
29	Statistical Comparisons of Temperature Variance and Kinetic Energy in Global Ocean Models and Observations: Results From Mesoscale to Internal Wave Frequencies. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015306.	2.6	16
30	Assessment of shelf sea tides and tidal mixing fronts in a global ocean model. <i>Ocean Modelling</i> , 2019, 136, 66-84.	2.4	10
31	On the Relationship Between Wind, SST, and the Thermocline in the Seychelles-Chagos Thermocline Ridge. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017, 14, 2315-2319.	3.1	6
32	On the Generation and Salinity Impacts of Intraseasonal Westward Jets in the Equatorial Indian Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016066.	2.6	3