

Robert Pinkel

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

2,347
citations

24
h-index

48
g-index

48
ext. papers

2,697
ext. citations

3.7
avg, IF

4.83
L-index

#	Paper	IF	Citations
42	The formation and fate of internal waves in the South China Sea. <i>Nature</i> , 2015 , 521, 65-9	50.4	298
41	Global Patterns of Diapycnal Mixing from Measurements of the Turbulent Dissipation Rate. <i>Journal of Physical Oceanography</i> , 2014 , 44, 1854-1872	2.4	280
40	Energy Flux and Dissipation in Luzon Strait: Two Tales of Two Ridges. <i>Journal of Physical Oceanography</i> , 2011 , 41, 2211-2222	2.4	168
39	Propagation of Low-Mode Internal Waves through the Ocean. <i>Journal of Physical Oceanography</i> , 2006 , 36, 1220-1236	2.4	164
38	Direct Breaking of the Internal Tide near Topography: Kaena Ridge, Hawaii. <i>Journal of Physical Oceanography</i> , 2008 , 38, 380-399	2.4	130
37	Climate Process Team on Internal Wave-Driven Ocean Mixing. <i>Bulletin of the American Meteorological Society</i> , 2017 , 98, 2429-2454	6.1	128
36	Prototypical solitons in the South China Sea. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	126
35	Observations of Overtuning in the Thermocline: The Context of Ocean Mixing. <i>Journal of Physical Oceanography</i> , 2000 , 30, 805-832	2.4	125
34	The Breaking and Scattering of the Internal Tide on a Continental Slope. <i>Journal of Physical Oceanography</i> , 2011 , 41, 926-945	2.4	120
33	Interference Pattern and Propagation of the M2 Internal Tide South of the Hawaiian Ridge. <i>Journal of Physical Oceanography</i> , 2010 , 40, 311-325	2.4	81
32	Baroclinic Energy Flux at the Hawaiian Ridge: Observations from the R/P FLIP. <i>Journal of Physical Oceanography</i> , 2006 , 36, 1104-1122	2.4	66
31	A Simple Parameterization of Turbulent Tidal Mixing near Supercritical Topography. <i>Journal of Physical Oceanography</i> , 2010 , 40, 2059-2074	2.4	62
30	ASIRI: An Ocean Atmosphere Initiative for Bay of Bengal. <i>Bulletin of the American Meteorological Society</i> , 2016 , 97, 1859-1884	6.1	55
29	Upper ocean internal wave observations from Flip. <i>Journal of Geophysical Research</i> , 1975 , 80, 3892-3910		51
28	High-mode stationary waves in stratified flow over large obstacles. <i>Journal of Fluid Mechanics</i> , 2010 , 644, 321-336	3.7	46
27	Spatially Broad Observations of Internal Waves in the Upper Ocean at the Hawaiian Ridge. <i>Journal of Physical Oceanography</i> , 2006 , 36, 1085-1103	2.4	46
26	Internal wave variability in the Beaufort Sea during the winter of 1993/1994. <i>Journal of Geophysical Research</i> , 2003 , 108,		38

25	Near-Inertial Wave Propagation in the Western Arctic. <i>Journal of Physical Oceanography</i> , 2005 , 35, 645-665		37
24	Submesoscale Processes at Shallow Salinity Fronts in the Bay of Bengal: Observations during the Winter Monsoon. <i>Journal of Physical Oceanography</i> , 2018 , 48, 479-509	2.4	31
23	Reflection of Linear Internal Tides from Realistic Topography: The Tasman Continental Slope. <i>Journal of Physical Oceanography</i> , 2016 , 46, 3321-3337	2.4	31
22	Subharmonic Energy Transfer from the Semidiurnal Internal Tide to Near-Diurnal Motions over Kaena Ridge, Hawaii. <i>Journal of Physical Oceanography</i> , 2013 , 43, 766-789	2.4	30
21	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	3.3	29
20	Advection, Phase Distortion, and the Frequency Spectrum of Finescale Fields in the Sea. <i>Journal of Physical Oceanography</i> , 2008 , 38, 291-313	2.4	28
19	Parameterizing Surface and Internal Tide Scattering and Breaking on Supercritical Topography: The One- and Two-Ridge Cases. <i>Journal of Physical Oceanography</i> , 2013 , 43, 1380-1397	2.4	24
18	Shear, Strain, and Richardson Number Variations in the Thermocline. Part I: Statistical Description. <i>Journal of Physical Oceanography</i> , 1997 , 27, 264-281	2.4	22
17	Along-isopycnal variability of spice in the North Pacific. <i>Journal of Geophysical Research: Oceans</i> , 2015 , 120, 2287-2307	3.3	21
16	Space-time Scales of Shear in the North Pacific. <i>Journal of Physical Oceanography</i> , 2017 , 47, 2455-2478	2.4	20
15	Vortical and Internal Wave Shear and Strain. <i>Journal of Physical Oceanography</i> , 2014 , 44, 2070-2092	2.4	16
14	Energy Transfer from High-Shear, Low-Frequency Internal Waves to High-Frequency Waves near Kaena Ridge, Hawaii. <i>Journal of Physical Oceanography</i> , 2012 , 42, 1524-1547	2.4	11
13	The Wavenumber-Frequency Spectrum of Vortical and Internal-Wave Shear in the Western Arctic Ocean. <i>Journal of Physical Oceanography</i> , 2008 , 38, 277-290	2.4	11
12	Frequency Shift of Near-Inertial Waves in the South China Sea. <i>Journal of Physical Oceanography</i> , 2020 , 50, 1121-1135	2.4	10
11	Toward a Statistical Description of Finescale Strain in the Thermocline. <i>Journal of Physical Oceanography</i> , 1992 , 22, 773-795	2.4	8
10	Observations of the internal tide on the California continental margin near Monterey Bay. <i>Continental Shelf Research</i> , 2014 , 82, 60-71	2.4	7
9	Semidiurnal Baroclinic Wave Momentum Fluxes at Kaena Ridge, Hawaii. <i>Journal of Physical Oceanography</i> , 2012 , 42, 1249-1269	2.4	7
8	Velocity Imprecision in Finite-Beamwidth Shipboard Doppler Sonar: A First-Generation Correction Algorithm. <i>Journal of Atmospheric and Oceanic Technology</i> , 2012 , 29, 1569-1580	2	6

7	Generation of Quasi-Biweekly Yanai Waves in the Equatorial Indian Ocean. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088915	4.9	4
6	Wirewalker Dynamics. <i>Journal of Atmospheric and Oceanic Technology</i> , 2011 , 29, 103-115	2	2
5	The development of Doppler sonar technology at SIO 2008 ,		2
4	The Poisson Link between Internal Wave and Dissipation Scales in the Thermocline. Part II: Internal Waves, Overtorns, and the Energy Cascade. <i>Journal of Physical Oceanography</i> , 2020 , 50, 3425-3438	2.4	2
3	Double Diffusively Unstable Intrusions Near an Oceanic Front: Observations from R/P FLIP. <i>Geophysical Monograph Series</i> , 2013 , 195-211	1.1	1
2	Internal Tide Structure and Temporal Variability on the Reflective Continental Slope of Southeastern Tasmania. <i>Journal of Physical Oceanography</i> , 2021 , 51, 611-631	2.4	1
1	The Poisson Link between Internal Wave and Dissipation Scales in the Thermocline. Part I: Probability Density Functions and the Poisson Modeling of Vertical Strain. <i>Journal of Physical Oceanography</i> , 2020 , 50, 3403-3424	2.4	