Robert Pinkel

List of Publications by Year
in descending order

47 papers	3,198 citations	218592 26 h-index	243529 44 g-index
48 all docs	48 docs citations	48 times ranked	1934 citing authors

#	Article	IF	Citations
1	The formation and fate of internal waves in the South China Sea. Nature, 2015, 521, 65-69.	13.7	487
2	Global Patterns of Diapycnal Mixing from Measurements of the Turbulent Dissipation Rate. Journal of Physical Oceanography, 2014, 44, 1854-1872.	0.7	392
3	Climate Process Team on Internal Waveâ€“Driven Ocean Mixing. Bulletin of the American Meteorological Society, 2017, 98, 2429-2454.	1.7	235
4	Energy Flux and Dissipation in Luzon Strait: Two Tales of Two Ridges. Journal of Physical Oceanography, 2011, 41, 2211-2222.	0.7	222
5	Propagation of Low-Mode Internal Waves through the Ocean. Journal of Physical Oceanography, 2006, 36, 1220-1236.	0.7	202
6	Prototypical solitons in the South China Sea. Geophysical Research Letters, 2006, 33, .	1.5	165
7	Direct Breaking of the Internal Tide near Topography: Kaena Ridge, Hawaii. Journal of Physical Oceanography, 2008, 38, 380-399.	0.7	165
8	Observations of Overturning in the Thermocline: The Context of Ocean Mixing. Journal of Physical Oceanography, 2000, 30, 805-832.	0.7	153
9	The Breaking and Scattering of the Internal Tide on a Continental Slope. Journal of Physical Oceanography, 2011, 41, 926-945.	0.7	146
10	Interference Pattern and Propagation of the M2 Internal Tide South of the Hawaiian Ridge. Journal of Physical Oceanography, 2010, 40, 311-325.	0.7	89
11	Upper ocean internal wave observations from Flip. Journal of Geophysical Research, 1975, 80, 3892-3910.	3.3	81
12	Baroclinic Energy Flux at the Hawaiian Ridge: Observations from the R/P FLIP. Journal of Physical Oceanography, 2006, 36, 1104-1122.	0.7	69
13	ASIRI: An Oceanâ€“Atmosphere Initiative for Bay of Bengal. Bulletin of the American Meteorological Society, 2016, 97, 1859-1884.	1.7	69
14	A Simple Parameterization of Turbulent Tidal Mixing near Supercritical Topography. Journal of Physical Oceanography, 2010, 40, 2059-2074.	0.7	67
15	High-mode stationary waves in stratified flow over large obstacles. Journal of Fluid Mechanics, 2010, 644, 321-336.	1.4	61
16	Spatially Broad Observations of Internal Waves in the Upper Ocean at the Hawaiian Ridge. Journal of Physical Oceanography, 2006, 36, 1085-1103.	0.7	52
17	When Mixed Layers Are Not Mixed. Stormâ€Driven Mixing and Bioâ€optical Vertical Gradients in Mixed Layers of the Southern Ocean. Journal of Geophysical Research: Oceans, 2018, 123, 7264-7289.	1.0	47
18	Near-Inertial Wave Propagation in the Western Arctic. Journal of Physical Oceanography, 2005, 35, 645-665.	0.7	46

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19	Internal wave variability in the Beaufort Sea during the winter of 1993/1994. Journal of Geophysical Research, 2003, 108, .	3.3	43
20	Submesoscale Processes at Shallow Salinity Fronts in the Bay of Bengal: Observations during the Winter Monsoon. Journal of Physical Oceanography, 2018, 48, 479-509.	0.7	42
21	Reflection of Linear Internal Tides from Realistic Topography: The Tasman Continental Slope. Journal of Physical Oceanography, 2016, 46, 3321-3337.	0.7	39
22	Subharmonic Energy Transfer from the Semidiurnal Internal Tide to Near-Diurnal Motions over Kaena Ridge, Hawaii. Journal of Physical Oceanography, 2013, 43, 766-789.	0.7	34
23	Advection, Phase Distortion, and the Frequency Spectrum of Finescale Fields in the Sea. Journal of Physical Oceanography, 2008, 38, 291-313.	0.7	33
24	Alongâ€isopycnal variability of spice in the North Pacific. Journal of Geophysical Research: Oceans, 2015, 120, 2287-2307.	1.0	32
25	Spaceâ€“Time Scales of Shear in the North Pacific. Journal of Physical Oceanography, 2017, 47, 2455-2478.	0.7	32
26	Parameterizing Surface and Internal Tide Scattering and Breaking on Supercritical Topography: The One- and Two-Ridge Cases. Journal of Physical Oceanography, 2013, 43, 1380-1397.	0.7	28
27	Shear, Strain, and Richardson Number Variations in the Thermocline. Part I: Statistical Description. Journal of Physical Oceanography, 1997, 27, 264-281.	0.7	26
28	Vortical and Internal Wave Shear and Strain. Journal of Physical Oceanography, 2014, 44, 2070-2092.	0.7	22
29	Frequency Shift of Near-Inertial Waves in the South China Sea. Journal of Physical Oceanography, 2020, 50, 1121-1135.	0.7	20
30	The Wavenumberâ€“Frequency Spectrum of Vortical and Internal-Wave Shear in the Western Arctic Ocean. Journal of Physical Oceanography, 2008, 38, 277-290.	0.7	16
31	Energy Transfer from High-Shear, Low-Frequency Internal Waves to High-Frequency Waves near Kaena Ridge, Hawaii. Journal of Physical Oceanography, 2012, 42, 1524-1547.	0.7	16
32	Toward a Statistical Description of Finescale Strain in the Thermocline. Journal of Physical Oceanography, 1992, 22, 773-795.	0.7	11
33	Semidiurnal Baroclinic Wave Momentum Fluxes at Kaena Ridge, Hawaii. Journal of Physical Oceanography, 2012, 42, 1249-1269.	0.7	10
34	Observations of the internal tide on the California continental margin near Monterey Bay. Continental Shelf Research, 2014, 82, 60-71.	0.9	8
35	On the Development of SWOT In Situ Calibration/Validation for Short-Wavelength Ocean Topography. Journal of Atmospheric and Oceanic Technology, 2022, 39, 595-617.	0.5	7
36	Velocity Imprecision in Finite-Beamwidth Shipboard Doppler Sonar: A First-Generation Correction Algorithm. Journal of Atmospheric and Oceanic Technology, 2012, 29, 1569-1580.	0.5	6

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37	Generation of Quasiâ€Biweekly Yanai Waves in the Equatorial Indian Ocean. Geophysical Research Letters, 2020, 47, e2020GL088915.	1.5	5
38	Observations of coherent transverse wakes in shoaling nonlinear internal waves. Journal of Physical Oceanography, 2022, , .	0.7	4
39	Internal Tide Structure and Temporal Variability on the Reflective Continental Slope of Southeastern Tasmania. Journal of Physical Oceanography, 2021, 51, 611-631.	0.7	3
40	The Poisson Link between Internal Wave and Dissipation Scales in the Thermocline. Part II: Internal Waves, Overturns, and the Energy Cascade. Journal of Physical Oceanography, 2020, 50, 3425-3438.	0.7	3
41	The development of Doppler sonar technology at SIO. , 2008, , .		2
42	Wirewalker Dynamics. Journal of Atmospheric and Oceanic Technology, 2011, 29, 103-115.	0.5	2
43	Double Diffusively Unstable Intrusions Near an Oceanic Front: Observations from R/P FLIP. Geophysical Monograph Series, 0, , 195-211.	0.1	2
44	Fine-Scale Velocity Measurement on the Wirewalker Wave-Powered Profiler. Journal of Atmospheric and Oceanic Technology, 2021, , .	0.5	2
45	The Poisson Link between Internal Wave and Dissipation Scales in the Thermocline. Part I: Probability Density Functions and the Poisson Modeling of Vertical Strain. Journal of Physical Oceanography, 2020, 50, 3403-3424.	0.7	1
46	HF Doppler Acoustic Imaging of the Ocean Surface and Interior. AIP Conference Proceedings, 2004, , .	0.3	0
47	Ocean Current Measurement in a Density Following Reference Frame. , 2019, , .		0