

# James N Moum

## List of Publications by Year in descending order

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33  
papers

1,300  
citations

430874

18  
h-index

414414

32  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1238  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixing in equatorial oceans. , 2022, , 257-273.		1
2	Physics-informed deep-learning parameterization of ocean vertical mixing improves climate simulations. National Science Review, 2022, 9, .	9.5	29
3	Deep Cycle Turbulence in Atlantic and Pacific Cold Tongues. Geophysical Research Letters, 2022, 49, .	4.0	4
4	Variations in Ocean Mixing from Seconds to Years. Annual Review of Marine Science, 2021, 13, 201-226.	11.6	16
5	Near-Ā inertial Wave Propagation in the Wake of Super Typhoon Mangkhut: Measurements From a Profiling Float Array. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016749.	2.6	8
6	Stratified shear instabilities in diurnal warm layers. Journal of Physical Oceanography, 2021, , .	1.7	4
7	Freshwater Lens Fronts Propagating as Buoyant Gravity Currents in the Equatorial Indian Ocean. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017186.	2.6	7
8	Upper layer thermohaline structure of the Bay of Bengal during the 2013 northeast monsoon. Deep-Sea Research Part II: Topical Studies in Oceanography, 2020, 172, 104630.	1.4	12
9	Evolution of the Velocity Structure in the Diurnal Warm Layer. Journal of Physical Oceanography, 2020, 50, 615-631.	1.7	23
10	Advection by the North Equatorial Current of a Cold Wake due to Multiple Typhoons in the Western Pacific: Measurements From a Profiling Float Array. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015534.	2.6	7
11	Heat Transport through Diurnal Warm Layers. Journal of Physical Oceanography, 2020, 50, 2885-2905.	1.7	13
12	Seasonality and Buoyancy Suppression of Turbulence in the Bay of Bengal. Geophysical Research Letters, 2019, 46, 4346-4355.	4.0	17
13	Variations of Equatorial Shear, Stratification, and Turbulence Within a Tropical Instability Wave Cycle. Journal of Geophysical Research: Oceans, 2019, 124, 1858-1875.	2.6	19
14	Feedback of Mixing to ENSO Phase Change. Geophysical Research Letters, 2019, 46, 13920-13927.	4.0	29
15	Wind Limits on Rain Layers and Diurnal Warm Layers. Journal of Geophysical Research: Oceans, 2019, 124, 897-924.	2.6	35
16	Buoyant Gravity Currents Released from Tropical Instability Waves. Journal of Physical Oceanography, 2018, 48, 361-382.	1.7	23
17	The Role of Turbulence in Redistributing Upper-Ocean Heat, Freshwater, and Momentum in Response to the MJO in the Equatorial Indian Ocean. Journal of Physical Oceanography, 2018, 48, 197-220.	1.7	39
18	Evolution of Turbulence in the Diurnal Warm Layer. Journal of Physical Oceanography, 2018, 48, 383-396.	1.7	35

#	ARTICLE	IF	CITATIONS
19	Seasonality of Deep Cycle Turbulence in the Eastern Equatorial Pacific. <i>Journal of Physical Oceanography</i> , 2017, 47, 2189-2209.	1.7	25
20	An Efficient Scheme for Onboard Reduction of Moored ĩpod Data. <i>Journal of Atmospheric and Oceanic Technology</i> , 2017, 34, 2533-2546.	1.3	12
21	Flow variability within the <scp>A</scp>laska <scp>C</scp>oastal <scp>C</scp>urrent in winter. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 3884-3906.	2.6	2
22	Ocean feedback to pulses of the Maddenâ€“Julian Oscillation in the equatorial Indian Ocean. <i>Nature Communications</i> , 2016, 7, 13203.	12.8	31
23	Distinguishing ichthyogenic turbulence from geophysical turbulence. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 3792-3804.	2.6	13
24	Ocean Speed and Turbulence Measurements Using Pitot-Static Tubes on Moorings. <i>Journal of Atmospheric and Oceanic Technology</i> , 2015, 32, 1400-1413.	1.3	16
25	Airâ€“Sea Interactions from Westerly Wind Bursts During the November 2011 MJO in the Indian Ocean. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 1185-1199.	3.3	100
26	Seasonal sea surface cooling in the equatorial Pacific cold tongue controlled by ocean mixing. <i>Nature</i> , 2013, 500, 64-67.	27.8	104
27	The Unpredictable Nature of Internal Tides on Continental Shelves. <i>Journal of Physical Oceanography</i> , 2012, 42, 1981-2000.	1.7	91
28	Inertial-Convective Subrange Estimates of Thermal Variance Dissipation Rate from Moored Temperature Measurements. <i>Journal of Atmospheric and Oceanic Technology</i> , 2010, 27, 1950-1959.	1.3	30
29	Observations of Broadband Acoustic Backscattering From Nonlinear Internal Waves: Assessing the Contribution From Microstructure. <i>IEEE Journal of Oceanic Engineering</i> , 2010, 35, 695-709.	3.8	22
30	A New Look at Richardson Number Mixing Schemes for Equatorial Ocean Modeling. <i>Journal of Physical Oceanography</i> , 2009, 39, 2652-2664.	1.7	46
31	River plumes as a source of large-amplitude internal waves in the coastal ocean. <i>Nature</i> , 2005, 437, 400-403.	27.8	229
32	Internal hydraulic flows on the continental shelf: High drag states over a small bank. <i>Journal of Geophysical Research</i> , 2001, 106, 4593-4611.	3.3	129
33	Mixing in the equatorial surface layer and thermocline. <i>Journal of Geophysical Research</i> , 1989, 94, 2005-2022.	3.3	129