

Robert A Weller

List of Publications by Year in descending order

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35
papers

1,716
citations

331670

21
h-index

414414

32
g-index

36
all docs

36
docs citations

36
times ranked

2465
citing authors

#	ARTICLE	IF	CITATIONS
1	Longwave Radiation Corrections for the OMNI Buoy Network. Journal of Atmospheric and Oceanic Technology, 2022, 39, 271-282.	1.3	0
2	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
3	Constraining Southern Ocean Air-Sea-Ice Fluxes Through Enhanced Observations. Frontiers in Marine Science, 2019, 6, .	2.5	31
4	100 Years of Progress in Ocean Observing Systems. Meteorological Monographs, 2019, 59, 3.1-3.46.	5.0	15
5	The Ocean Observatories Initiative. Frontiers in Marine Science, 2019, 6, .	2.5	43
6	Seasonality and Buoyancy Suppression of Turbulence in the Bay of Bengal. Geophysical Research Letters, 2019, 46, 4346-4355.	4.0	17
7	Extreme Variability in Irminger Sea Winter Heat Loss Revealed by Ocean Observatories Initiative Mooring and the ERA5 Reanalysis. Geophysical Research Letters, 2019, 46, 293-302.	4.0	36
8	The Land-Sea Breeze of the Red Sea: Observations, Simulations, and Relationships to Regional Moisture Transport. Journal of Geophysical Research D: Atmospheres, 2019, 124, 13803-13825.	3.3	16
9	Moorings. , 2019, , 133-149.		0
10	Moored Observations of the Surface Meteorology and Air-Sea Fluxes in the Northern Bay of Bengal in 2015. Journal of Climate, 2019, 32, 549-573.	3.2	14
11	Autonomous seawater pCO_2 and pH time series from 40 surface buoys and the emergence of anthropogenic trends. Earth System Science Data, 2019, 11, 421-439.	9.9	69
12	Evaluating Surface Radiation Fluxes Observed From Satellites in the Southeastern Pacific Ocean. Geophysical Research Letters, 2018, 45, 2404-2412.	4.0	14
13	The Ocean Observatories Initiative. Oceanography, 2018, 31, 16-35.	1.0	57
14	Episodic Southern Ocean Heat Loss and Its Mixed Layer Impacts Revealed by the Farthest South Multiyear Surface Flux Mooring. Geophysical Research Letters, 2018, 45, 5002-5010.	4.0	34
15	Variability and trends in surface seawater pCO_2 and CO_2 flux in the Pacific Ocean. Geophysical Research Letters, 2017, 44, 5627-5636.	4.0	55
16	Air-Sea Interaction in the Bay of Bengal. Oceanography, 2016, 29, 28-37.	1.0	70
17	Using present-day observations to detect when anthropogenic change forces surface ocean carbonate chemistry outside preindustrial bounds. Biogeosciences, 2016, 13, 5065-5083.	3.3	60
18	Phytoplankton bloom phenomena in the North Atlantic Ocean and Arabian Sea. ICES Journal of Marine Science, 2015, 72, 2021-2028.	2.5	8

#	ARTICLE	IF	CITATIONS
19	Variability and Trends in Surface Meteorology and Air–Sea Fluxes at a Site off Northern Chile. <i>Journal of Climate</i> , 2015, 28, 3004-3023.	3.2	21
20	Eddies and an extreme water mass anomaly observed in the eastern south Pacific at the Stratus mooring. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 1068-1083.	2.6	22
21	A Surface Mooring for Air–Sea Interaction Research in the Gulf Stream. Part II: Analysis of the Observations and Their Accuracies. <i>Journal of Atmospheric and Oceanic Technology</i> , 2013, 30, 450-469.	1.3	38
22	Moored surface buoy observations of the diurnal warm layer. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 4553-4569.	2.6	25
23	On the Exchange of Momentum over the Open Ocean. <i>Journal of Physical Oceanography</i> , 2013, 43, 1589-1610.	1.7	515
24	A Surface Mooring for Air–Sea Interaction Research in the Gulf Stream. Part I: Mooring Design and Instrumentation. <i>Journal of Atmospheric and Oceanic Technology</i> , 2012, 29, 1363-1376.	1.3	35
25	Accuracy of the IMET Sensor Package in the Subtropics. <i>Journal of Atmospheric and Oceanic Technology</i> , 2009, 26, 1867-1890.	1.3	85
26	Climatology of Surface Meteorology, Surface Fluxes, Cloud Fraction, and Radiative Forcing over the Southeast Pacific from Buoy Observations. <i>Journal of Climate</i> , 2009, 22, 5527-5540.	3.2	29
27	The variability and heat budget of the upper ocean under the Chile-Peru stratus. <i>Journal of Marine Research</i> , 2007, 65, 607-637.	0.3	53
28	Sea surface temperature signatures of oceanic internal waves in low winds. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	31
29	Intraseasonal variability near 10°N in the eastern tropical Pacific Ocean. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	30
30	Observations of internal bores and waves of elevation on the New England inner continental shelf during summer 2001. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	10
31	Estimation of ocean subsurface thermal structure from surface parameters: A neural network approach. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	95
32	Case analysis of a role of ENSO in regulating the generation of westerly wind bursts in the Western Equatorial Pacific. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	97
33	The IMET (Improved Meteorology) Ship and Buoy Systems. <i>Journal of Atmospheric and Oceanic Technology</i> , 1995, 12, 527-540.	1.3	75
34	Overview of the Physical Oceanography Report. <i>Reviews of Geophysics</i> , 1991, 29, 555-556.	23.0	0
35	Not so quiet on the ocean front. <i>Nature</i> , 1990, 348, 199-200.	27.8	4