

Dean Roemmich

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.

54
papers

4,007
citations

26
h-index

54
g-index

54
ext. papers

4,648
ext. citations

8.1
avg. IF

5.48
L-index

#	Paper	IF	Citations
54	Climatic warming and the decline of zooplankton in the California current. <i>Science</i> , 1995 , 267, 1324-6	33.3	553
53	The 2004-2008 mean and annual cycle of temperature, salinity, and steric height in the global ocean from the Argo Program. <i>Progress in Oceanography</i> , 2009 , 82, 81-100	3.8	546
52	The Argo Program: Observing the Global Oceans with Profiling Floats. <i>Oceanography</i> , 2009 , 22, 34-43	2.3	340
51	Interannual variability in upper ocean heat content, temperature, and thermosteric expansion on global scales. <i>Journal of Geophysical Research</i> , 2004 , 109,		296
50	Unabated planetary warming and its ocean structure since 2006. <i>Nature Climate Change</i> , 2015 , 5, 240-245	1.4	294
49	Fifteen years of ocean observations with the global Argo array. <i>Nature Climate Change</i> , 2016 , 6, 145-153	21.4	279
48	Argo: The Challenge of Continuing 10 Years of Progress. <i>Oceanography</i> , 2009 , 22, 46-55	2.3	138
47	An Argo mixed layer climatology and database. <i>Geophysical Research Letters</i> , 2017 , 44, 5618-5626	4.9	134
46	On the Future of Argo: A Global, Full-Depth, Multi-Disciplinary Array. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	116
45	Northward abyssal transport through the Samoan passage and adjacent regions. <i>Journal of Geophysical Research</i> , 1996 , 101, 14039-14055		109
44	The global warming hiatus: Slowdown or redistribution?. <i>Earth's Future</i> , 2016 , 4, 472-482	7.9	100
43	Apparent changes in the climatic state of the deep North Atlantic Ocean. <i>Nature</i> , 1984 , 307, 447-450	50.4	92
42	Ocean temperatures chronicle the ongoing warming of Earth. <i>Nature Climate Change</i> , 2016 , 6, 116-118	21.4	84
41	135 years of global ocean warming between the Challenger expedition and the Argo Programme. <i>Nature Climate Change</i> , 2012 , 2, 425-428	21.4	82
40	Heat stored in the Earth system: where does the energy go?. <i>Earth System Science Data</i> , 2020 , 12, 2013-2044	20.3	80
39	The global ocean imprint of ENSO. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	68
38	Combining altimetric height with broadscale profile data to estimate steric height, heat storage, subsurface temperature, and sea-surface temperature variability. <i>Journal of Geophysical Research</i> , 2003 , 108,		64

37	Observed correlation of surface salinity, temperature and barrier layer at the eastern edge of the western Pacific warm pool. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	63
36	The East Cape Current and two eddies: A mechanism for larval retention?. <i>New Zealand Journal of Marine and Freshwater Research</i> , 1998 , 32, 385-397	1.3	63
35	The Argo Program: Present and Future. <i>Oceanography</i> , 2017 , 30, 18-28	2.3	54
34	Mean and Temporal Variability in Kuroshio Geostrophic Transport South of Taiwan (1993-2001). <i>Journal of Oceanography</i> , 2002 , 58, 183-195	1.9	48
33	Multidecadal Change of the South Pacific Gyre Circulation. <i>Journal of Physical Oceanography</i> , 2016 , 46, 1871-1883	2.4	40
32	Closing the Time-Varying Mass and Heat Budgets for Large Ocean Areas: The Tasman Box. <i>Journal of Climate</i> , 2005 , 18, 2330-2343	4.4	35
31	Ocean temperature climate off North-East New Zealand. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2001 , 35, 553-565	1.3	31
30	Deep Argo Quantifies Bottom Water Warming Rates in the Southwest Pacific Basin. <i>Geophysical Research Letters</i> , 2019 , 46, 2662-2669	4.9	30
29	Decadal temperature changes in the Tasman Sea. <i>New Zealand Journal of Marine and Freshwater Research</i> , 2005 , 39, 1321-1329	1.3	30
28	Interannual variability in northeast Pacific circulation. <i>Journal of Geophysical Research</i> , 2006 , 111,		25
27	The Mean and the Time Variability of the Shallow Meridional Overturning Circulation in the Tropical South Pacific Ocean. <i>Journal of Climate</i> , 2013 , 26, 4069-4087	4.4	23
26	Deep SOLO: A Full-Depth Profiling Float for the Argo Program. <i>Journal of Atmospheric and Oceanic Technology</i> , 2019 , 36, 1967-1981	2	17
25	Meridional volume transport in the South Pacific: Mean and SAM-related variability. <i>Journal of Geophysical Research: Oceans</i> , 2014 , 119, 2658-2678	3.3	16
24	Wind-driven and steric fluctuations of sea surface height in the southwest Pacific. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	16
23	Sensitivity of Western Boundary Transport at the Mean North Equatorial Current Bifurcation Latitude to Wind Forcing. <i>Journal of Physical Oceanography</i> , 2012 , 42, 2056-2072	2.4	15
22	Assessment of the Upper-Ocean Observing System in the Equatorial Pacific: The Role of Argo in Resolving Intraseasonal to Interannual Variability. <i>Journal of Atmospheric and Oceanic Technology</i> , 2015 , 32, 1668-1688	2	14
21	Estimating the Velocity and Transport of Western Boundary Current Systems: A Case Study of the East Australian Current near Brisbane. <i>Journal of Atmospheric and Oceanic Technology</i> , 2018 , 35, 1313-1329	3.2	11
20	Estimation of heat and freshwater transports in the North Pacific using high-resolution expendable bathythermograph data. <i>Journal of Geophysical Research</i> , 2008 , 113,		11

19	Adjoint Sensitivity of the Ni ³ -3 Surface Temperature to Wind Forcing. <i>Journal of Climate</i> , 2011 , 24, 4480-4493	4.4	9
18	Climatological monthly heat and freshwater flux estimates on a global scale from Argo. <i>Journal of Geophysical Research: Oceans</i> , 2014 , 119, 6884-6899	3.3	8
17	Ocean Temperature and Salinity Contributions to Global and Regional Sea-Level Change 2010 , 143-176		8
16	Formation and variation of temperature inversions in the eastern subarctic North Pacific. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	8
15	Spatial Variability of Antarctic Bottom Water in the Australian Antarctic Basin From 2018-2020 Captured by Deep Argo. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL089467	4.9	8
14	100 Years of Progress in Ocean Observing Systems. <i>Meteorological Monographs</i> , 2019 , 59, 3.1-3.46	5.7	6
13	Heat transport variation due to change of North Pacific subtropical gyre interior flow during 1993-2012. <i>Ocean Dynamics</i> , 2016 , 66, 1637-1649	2.3	6
12	Wind-Driven Variability of the Subtropical North Pacific Ocean. <i>Journal of Physical Oceanography</i> , 2012 , 42, 2089-2100	2.4	6
11	The East Pacific Rise current: Topographic enhancement of the interior flow in the South Pacific Ocean. <i>Geophysical Research Letters</i> , 2017 , 44, 277-285	4.9	5
10	Understanding the annual cycle in global steric height. <i>Geophysical Research Letters</i> , 2013 , 40, 4349-4354	4.9	5
9	Estimating mean dynamic topography in boundary currents and the use of Argo trajectories. <i>Journal of Geophysical Research: Oceans</i> , 2014 , 119, 8422-8437	3.3	5
8	Observing Systems Needed to Address Sea-Level Rise and Variability 2010 , 376-401		5
7	Deep-Ocean Circulation in the Southwest Pacific Ocean Interior: Estimates of the Mean Flow and Variability Using Deep Argo Data. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088342	4.9	4
6	Data Sensitivity of the ECCO State Estimate in a Regional Setting. <i>Journal of Atmospheric and Oceanic Technology</i> , 2009 , 26, 2420-2443	2	3
5	Argo-Two Decades: Global Oceanography, Revolutionized. <i>Annual Review of Marine Science</i> , 2021 ,	15.4	2
4	Sampling Zooplankton: Correction. <i>Science</i> , 1995 , 268, 352-353	33.3	1
3	Sampling Zooplankton: Correction. <i>Science</i> , 1995 , 268, 352-353	33.3	1
2	The Argo Program 2022 , 53-69		0

- 1 Fox-Kemper and Willis receive Ocean Sciences Early Career Awards: Citation for Josh K. Willis. *Eos*, **2012**, 93, 245-246 1.5