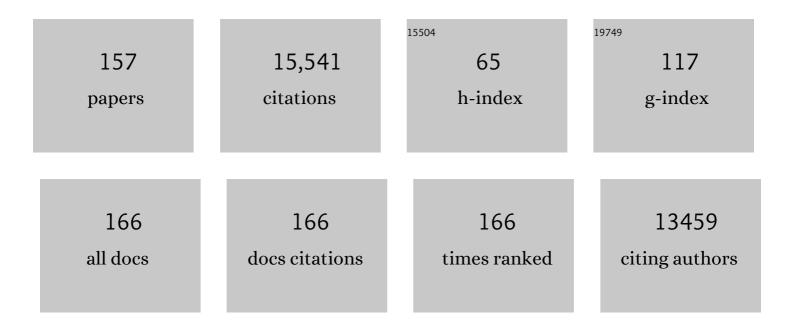
Gregory C Johnson

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Expanding Oxygen-Minimum Zones in the Tropical Oceans. Science, 2008, 320, 655-658.	12.6	1,229
2	Circulation, mixing, and production of Antarctic Bottom Water. Progress in Oceanography, 1999, 43, 55-109.	3.2	858
3	Warming of Global Abyssal and Deep Southern Ocean Waters between the 1990s and 2000s: Contributions to Global Heat and Sea Level Rise Budgets*. Journal of Climate, 2010, 23, 6336-6351.	3.2	544
4	Ocean oxygen minima expansions and their biological impacts. Deep-Sea Research Part I: Oceanographic Research Papers, 2010, 57, 587-595.	1.4	479
5	Evaluation of Climate Models. , 2014, , 741-866.		458
6	The Argo Program: Observing the Global Oceans with Profiling Floats. Oceanography, 2009, 22, 34-43.	1.0	451
7	Global sea-level budget 1993–present. Earth System Science Data, 2018, 10, 1551-1590.	9.9	409
8	A review of global ocean temperature observations: Implications for ocean heat content estimates and climate change. Reviews of Geophysics, 2013, 51, 450-483.	23.0	367
9	Robust warming of the global upper ocean. Nature, 2010, 465, 334-337.	27.8	340
10	Direct measurements of upper ocean currents and water properties across the tropical Pacific during the 1990s. Progress in Oceanography, 2002, 52, 31-61.	3.2	305
11	Observed changes in top-of-the-atmosphere radiation and upper-ocean heating consistent within uncertainty. Nature Geoscience, 2012, 5, 110-113.	12.9	293
12	Energy budget constraints on climate response. Nature Geoscience, 2013, 6, 415-416.	12.9	270
13	Quantifying Antarctic Bottom Water and North Atlantic Deep Water volumes. Journal of Geophysical Research, 2008, 113, .	3.3	249
14	On the size of the Antarctic Circumpolar Current. Deep-sea Research Part A, Oceanographic Research Papers, 1989, 36, 39-53.	1.5	237
15	On the Future of Argo: A Global, Full-Depth, Multi-Disciplinary Array. Frontiers in Marine Science, 2019, 6, .	2.5	235
16	Antarctic Bottom Water Warming and Freshening: Contributions to Sea Level Rise, Ocean Freshwater Budgets, and Global Heat Gain*. Journal of Climate, 2013, 26, 6105-6122.	3.2	220
17	MIMOC: A global monthly isopycnal upperâ€ocean climatology with mixed layers. Journal of Geophysical Research: Oceans, 2013, 118, 1658-1672.	2.6	211
18	Global ocean surface velocities from drifters: Mean, variance, El Niño–Southern Oscillation response, and seasonal cycle. Journal of Geophysical Research: Oceans, 2013, 118, 2992-3006.	2.6	202

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19	Interior Pycnocline Flow from the Subtropical to the Equatorial Pacific Ocean*. Journal of Physical Oceanography, 1999, 29, 3073-3089.	1.7	198
20	Changes in Ocean Heat, Carbon Content, and Ventilation: A Review of the First Decade of GO-SHIP Global Repeat Hydrography. Annual Review of Marine Science, 2016, 8, 185-215.	11.6	183
21	Heat stored in the Earth system: where does the energy go?. Earth System Science Data, 2020, 12, 2013-2041.	9.9	181
22	Global Contraction of Antarctic Bottom Water between the 1980s and 2000s*. Journal of Climate, 2012, 25, 5830-5844.	3.2	177
23	Delayed-Mode Calibration of Autonomous CTD Profiling Float Salinity Data byl̂j–SClimatology*. Journal of Atmospheric and Oceanic Technology, 2003, 20, 308-318.	1.3	168
24	State of the Climate in 2017. Bulletin of the American Meteorological Society, 2018, 99, Si-S310.	3.3	160
25	Mediterranean Outflow Mixing and Dynamics. Science, 1993, 259, 1277-1282.	12.6	159
26	Ocean currents evident in satellite wind data. Geophysical Research Letters, 2001, 28, 2469-2472.	4.0	158
27	Equatorial Pacific Ocean Horizontal Velocity, Divergence, and Upwelling*. Journal of Physical Oceanography, 2001, 31, 839-849.	1.7	151
28	State of the Climate in 2015. Bulletin of the American Meteorological Society, 2016, 97, Si-S275.	3.3	142
29	State of the Climate in 2013. Bulletin of the American Meteorological Society, 2014, 95, S1-S279.	3.3	138
30	State of the Climate in 2010. Bulletin of the American Meteorological Society, 2011, 92, S1-S236.	3.3	135
31	State of the Climate in 2016. Bulletin of the American Meteorological Society, 2017, 98, Si-S280.	3.3	132
32	State of the Climate in 2012. Bulletin of the American Meteorological Society, 2013, 94, S1-S258.	3.3	129
33	Industrial-era global ocean heat uptake doubles in recent decades. Nature Climate Change, 2016, 6, 394-398.	18.8	127
34	Measuring Global Ocean Heat Content to Estimate the Earth Energy Imbalance. Frontiers in Marine Science, 2019, 6, .	2.5	123
35	State of the Climate in 2009. Bulletin of the American Meteorological Society, 2010, 91, s1-s222.	3.3	121
36	State of the Climate in 2011. Bulletin of the American Meteorological Society, 2012, 93, S1-S282.	3.3	121

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37	Eastern Pacific oxygen minimum zones: Supply paths and multidecadal changes. Journal of Geophysical Research, 2010, 115, .	3.3	118
38	Argo Data 1999–2019: Two Million Temperature-Salinity Profiles and Subsurface Velocity Observations From a Global Array of Profiling Floats. Frontiers in Marine Science, 2020, 7, .	2.5	117
39	Flow of deep and bottom waters in the Pacific at 10°N. Deep-Sea Research Part I: Oceanographic Research Papers, 1993, 40, 371-394.	1.4	114
40	Shallow Overturning Circulations of the Tropical-Subtropical Oceans. Geophysical Monograph Series, 0, , 261-304.	0.1	114
41	Observations: Ocean Pages. , 2014, , 255-316.		113
42	Deep and abyssal ocean warming from 35Âyears of repeat hydrography. Geophysical Research Letters, 2016, 43, 10,356.	4.0	110
43	Some controls on flow and salinity in Bering Strait. Geophysical Research Letters, 2006, 33, .	4.0	107
44	Warming trends increasingly dominate global ocean. Nature Climate Change, 2020, 10, 757-761.	18.8	100
45	Distinct 17- and 33-Day Tropical Instability Waves in Subsurface Observations*. Journal of Physical Oceanography, 2007, 37, 855-872.	1.7	97
46	Improving estimates of Earth's energy imbalance. Nature Climate Change, 2016, 6, 639-640.	18.8	97
47	Satellite and Ocean Data Reveal Marked Increase in Earth's Heating Rate. Geophysical Research Letters, 2021, 48, e2021GL093047.	4.0	93
48	Warming and Freshening in the Abyssal Southeastern Indian Ocean*. Journal of Climate, 2008, 21, 5351-5363.	3.2	90
49	Estimating Annual Global Upper-Ocean Heat Content Anomalies despite Irregular In Situ Ocean Sampling*. Journal of Climate, 2008, 21, 5629-5641.	3.2	87
50	Sverdrup and Nonlinear Dynamics of the Pacific Equatorial Currents*. Journal of Physical Oceanography, 2003, 33, 994-1008.	1.7	86
51	The Argo Program: Present and Future. Oceanography, 2017, 30, 18-28.	1.0	86
52	Ocean bottom pressure seasonal cycles and decadal trends from GRACE Releaseâ€05: Ocean circulation implications. Journal of Geophysical Research: Oceans, 2013, 118, 4228-4240.	2.6	85
53	Recent Bottom Water Warming in the Pacific Ocean*. Journal of Climate, 2007, 20, 5365-5375.	3.2	84
54	Stress on the Mediterranean Outflow Plume: Part II. Turbulent Dissipation and Shear Measurements. Journal of Physical Oceanography, 1994, 24, 2084-2092.	1.7	83

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55	Sensitivity of Global Upper-Ocean Heat Content Estimates to Mapping Methods, XBT Bias Corrections, and Baseline Climatologies*. Journal of Climate, 2016, 29, 4817-4842.	3.2	83
56	Estimating Global Ocean Heat Content Changes in the Upper 1800 m since 1950 and the Influence of Climatology Choice*. Journal of Climate, 2014, 27, 1945-1957.	3.2	80
57	Upper equatorial Pacific Ocean current and salinity variability during the 1996-1998 El Niño-La Niña cycle. Journal of Geophysical Research, 2000, 105, 1037-1053.	3.3	79
58	Informing Deep Argo Array Design Using Argo and Full-Depth Hydrographic Section Data. Journal of Atmospheric and Oceanic Technology, 2015, 32, 2187-2198.	1.3	78
59	State of the Climate in 2014. Bulletin of the American Meteorological Society, 2015, 96, ES1-ES32.	3.3	78
60	Decadal water mass variations along 20°W in the Northeastern Atlantic Ocean. Progress in Oceanography, 2007, 73, 277-295.	3.2	77
61	Volume transport and property distributions of the Mozambique Channel. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 1481-1511.	1.4	75
62	Recent cooling of the upper ocean. Geophysical Research Letters, 2006, 33, n/a-n/a.	4.0	75
63	Pacific Equatorial Subsurface Countercurrent Velocity, Transport, and Potential Vorticity*. Journal of Physical Oceanography, 2000, 30, 1172-1187.	1.7	74
64	State of the Climate in 2008. Bulletin of the American Meteorological Society, 2009, 90, S1-S196.	3.3	74
65	Secondary Circulation in the Faroe Bank Channel Outflow. Journal of Physical Oceanography, 1992, 22, 927-933.	1.7	73
66	In Situ Data Biases and Recent Ocean Heat Content Variability*. Journal of Atmospheric and Oceanic Technology, 2009, 26, 846-852.	1.3	73
67	SMART Cables for Observing the Global Ocean: Science and Implementation. Frontiers in Marine Science, 2019, 6, .	2.5	73
68	Evolution of the Deep and Bottom Waters of the Scotia Sea, Southern Ocean, during 1995–2005*. Journal of Climate, 2008, 21, 3327-3343.	3.2	70
69	Systematic Adjustments of Hydrographic Sections for Internal Consistency*. Journal of Atmospheric and Oceanic Technology, 2001, 18, 1234-1244.	1.3	69
70	Equatorially trapped Rossby waves in the presence of meridionally sheared baroclinic flow in the Pacific Ocean. Progress in Oceanography, 2003, 56, 323-380.	3.2	69
71	South Pacific Eastern Subtropical Mode Water*. Journal of Physical Oceanography, 2003, 33, 1493-1509.	1.7	69
72	Recent western South Atlantic bottom water warming. Geophysical Research Letters, 2006, 33, .	4.0	66

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73	Correction to $\hat{a} \in \hat{c}$ eRecent cooling of the upper ocean $\hat{a} \in \hat{c}$ Geophysical Research Letters, 2007, 34, .	4.0	65
74	Southwest Pacific Ocean Water-Mass Changes between 1968/69 and 1990/91*â€. Journal of Climate, 1997, 10, 306-316.	3.2	63
75	Relative contributions of temperature and salinity to seasonal mixed layer density changes and horizontal density gradients. Journal of Geophysical Research, 2012, 117, .	3.3	60
76	The Global Ocean Ship-Based Hydrographic Investigations Program (GO-SHIP): A Platform for Integrated Multidisciplinary Ocean Science. Frontiers in Marine Science, 2019, 6, .	2.5	60
77	Consistency and synthesis of Pacific Ocean CO2 survey data. Deep-Sea Research Part II: Topical Studies in Oceanography, 2001, 49, 21-58.	1.4	59
78	Subsurface Evolution and Persistence of Marine Heatwaves in the Northeast Pacific. Geophysical Research Letters, 2020, 47, e2020GL090548.	4.0	58
79	The WOCE-era 3-D Pacific Ocean circulation and heat budget. Progress in Oceanography, 2009, 82, 281-325.	3.2	57
80	Stress on the Mediterranean Outflow Plume: Part I. Velocity and Water Property Measurements. Journal of Physical Oceanography, 1994, 24, 2072-2083.	1.7	56
81	Sensor Corrections for Sea-Bird SBE-41CP and SBE-41 CTDs. Journal of Atmospheric and Oceanic Technology, 2007, 24, 1117-1130.	1.3	56
82	Equatorial Pacific 13°C Water Eddies in the Eastern Subtropical South Pacific Ocean*. Journal of Physical Oceanography, 2010, 40, 226-236.	1.7	56
83	Frictionally Modified Rotating Hydraulic Channel Exchange and Ocean Outflows. Journal of Physical Oceanography, 1994, 24, 66-78.	1.7	54
84	Decadal waterâ€property trends in the California Undercurrent, with implications for ocean acidification. Journal of Geophysical Research: Oceans, 2013, 118, 6687-6703.	2.6	53
85	The Pacific Ocean Subtropical cell surface limb. Geophysical Research Letters, 2001, 28, 1771-1774.	4.0	51
86	Multidecadal Warming and Shoaling of Antarctic Intermediate Water*. Journal of Climate, 2012, 25, 207-221.	3.2	51
87	Warming From Recent Marine Heatwave Lingers in Deep British Columbia Fjord. Geophysical Research Letters, 2018, 45, 9757-9764.	4.0	50
88	Deep, Zonal Subequatorial Currents. Science, 1994, 263, 1125-1128.	12.6	47
89	The Pacific Subsurface Countercurrents and an Inertial Model*. Journal of Physical Oceanography, 1997, 27, 2448-2459.	1.7	47
90	Deep water properties, velocities, and dynamics over ocean trenches. Journal of Marine Research, 1998, 56, 329-347.	0.3	47

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91	Deep Argo Quantifies Bottom Water Warming Rates in the Southwest Pacific Basin. Geophysical Research Letters, 2019, 46, 2662-2669.	4.0	46
92	The Pacific Cold Tongue: A Pathway for Interhemispheric Exchange*. Journal of Physical Oceanography, 2003, 33, 1027-1043.	1.7	46
93	The Bering Slope Current System Revisited*. Journal of Physical Oceanography, 2004, 34, 384-398.	1.7	45
94	Reduced Antarctic meridional overturning circulation reaches the North Atlantic Ocean. Geophysical Research Letters, 2008, 35, .	4.0	45
95	Generation and Initial Evolution of a Mode Water Î,–S Anomaly*. Journal of Physical Oceanography, 2006, 36, 739-751.	1.7	42
96	Flow of bottom water in the Somali Basin. Deep-sea Research Part A, Oceanographic Research Papers, 1991, 38, 637-652.	1.5	40
97	Bottom water variability in the Samoa Passage. Journal of Marine Research, 1994, 52, 177-196.	0.3	39
98	State of the Climate in 2005. Bulletin of the American Meteorological Society, 2006, 87, s1-s102.	3.3	39
99	Vertical Velocities and Transports in the Equatorial Pacific during 1993–99*. Journal of Physical Oceanography, 2001, 31, 3230-3248.	1.7	38
100	Relative contributions of ocean mass and deep steric changes to sea level rise between 1993 and 2013. Journal of Geophysical Research: Oceans, 2014, 119, 7509-7522.	2.6	37
101	Argo—Two Decades: Global Oceanography, Revolutionized. Annual Review of Marine Science, 2022, 14, 379-403.	11.6	37
102	State of the Climate in 2007. Bulletin of the American Meteorological Society, 2008, 89, S1-S179.	3.3	36
103	Silicon stable isotope distribution traces Southern Ocean export of Si to the eastern South Pacific thermocline. Biogeosciences, 2012, 9, 4199-4213.	3.3	36
104	Oxygen decreases and variability in the eastern equatorial Pacific. Journal of Geophysical Research, 2012, 117, .	3.3	35
105	Pacific Anthropogenic Carbon Between 1991 and 2017. Global Biogeochemical Cycles, 2019, 33, 597-617.	4.9	35
106	Unabated Bottom Water Warming and Freshening in the South Pacific Ocean. Journal of Geophysical Research: Oceans, 2019, 124, 1778-1794.	2.6	34
107	Ocean Warming: From the Surface to the Deep in Observations and Models. Oceanography, 2018, 31, 41-51.	1.0	33
108	As El Niño builds, Pacific Warm Pool expands, ocean gains more heat. Geophysical Research Letters, 2017, 44, 438-445.	4.0	29

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109	Hydrography, nutrients, and carbon pools in the Pacific sector of the Southern Ocean: Implications for carbon flux. Journal of Geophysical Research, 2001, 106, 7107-7124.	3.3	27
110	Antarctic <scp>B</scp> ottom <scp>W</scp> ater temperature changes in the western <scp>S</scp> outh <scp>A</scp> tlantic from 1989 to 2014. Journal of Geophysical Research: Oceans, 2014, 119, 8567-8577.	2.6	27
111	Revised XCTD Fall-Rate Equation Coefficients from CTD Data. Journal of Atmospheric and Oceanic Technology, 1995, 12, 1367-1373.	1.3	26
112	Structure of the Atlantic Ocean Equatorial Deep Jets*. Journal of Physical Oceanography, 2003, 33, 600-609.	1.7	25
113	An Equatorial Ocean Bottleneck in Global Climate Models. Journal of Climate, 2012, 25, 343-349.	3.2	25
114	Temporal and Spatial Structure of the Equatorial Deep Jets in the Pacific Ocean*. Journal of Physical Oceanography, 2002, 32, 3396-3407.	1.7	24
115	Abyssal currents generated by diffusion and geothermal heating over rises. Deep-Sea Research Part I: Oceanographic Research Papers, 1996, 43, 193-211.	1.4	23
116	Flow of bottom and deep water in the Amirante Passage and Mascarene Basin. Journal of Geophysical Research, 1998, 103, 30973-30984.	3.3	23
117	Ocean Density Change Contributions to Sea Level Rise. Oceanography, 2011, 24, 112-121.	1.0	23
118	A deep boundary current in the Arabian Basin. Deep-sea Research Part A, Oceanographic Research Papers, 1991, 38, 653-661.	1.5	22
119	Deep currents in the Arabian Sea in 1987. Marine Geology, 1992, 104, 279-288.	2.1	22
120	Antarctic Bottom Water Warming in the Brazil Basin: 1990s Through 2020, From WOCE to Deep Argo. Geophysical Research Letters, 2020, 47, e2020GL089191.	4.0	22
121	Multivariate Error Covariance Estimates by Monte Carlo Simulation for Assimilation Studies in the Pacific Ocean. Monthly Weather Review, 2005, 133, 2310-2334.	1.4	21
122	Subantarctic and Polar Fronts of the Antarctic Circumpolar Current and Southern Ocean Heat and Freshwater Content Variability: A View from Argo. Journal of Physical Oceanography, 2016, 46, 749-768.	1.7	21
123	Detection of and response to a probable volcanogenic T-wave event swarm on the Western Blanco Transform Fault Zone. Geophysical Research Letters, 1996, 23, 873-876.	4.0	20
124	Deep Signatures of Southern Tropical Indian Ocean Annual Rossby Waves*. Journal of Physical Oceanography, 2011, 41, 1958-1964.	1.7	20
125	Labrador Sea Water property variations in the northeastern Atlantic Ocean. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	18
126	Basin-Wavelength Equatorial Deep Jet Signals across Three Oceans. Journal of Physical Oceanography, 2015, 45, 2134-2148.	1.7	18

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#	Article	IF	CITATIONS
127	Comparisons of Scatterometer and TAO Winds Reveal Time-Varying Surface Currents for the Tropical Pacific Ocean*. Journal of Atmospheric and Oceanic Technology, 2005, 22, 735-745.	1.3	17
128	Deep tracer and dynamical plumes in the tropical Pacific Ocean. Journal of Geophysical Research, 1997, 102, 24953-24964.	3.3	16
129	A mixed layer carbon budget for the GasEx-2001 experiment. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	16
130	Recent interannual upper ocean variability in the deep southeastern Bering Sea. Journal of Marine Research, 2005, 63, 381-405.	0.3	16
131	The overflows across the Ninetyeast Ridge. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 1423-1439.	1.4	15
132	A comparison of kinematic evidence for tropical cells in the Atlantic and Pacific oceans. Elsevier Oceanography Series, 2003, , 269-286.	0.1	14
133	State of the Climate in 2006. Bulletin of the American Meteorological Society, 2007, 88, 929-932.	3.3	14
134	Coastal Ocean Data Analysis Product in North America (CODAP-NA) – an internally consistent data product for discrete inorganic carbon, oxygen, and nutrients on the North American ocean margins. Earth System Science Data, 2021, 13, 2777-2799.	9.9	14
135	Equatorial Kelvin wave influences may reach the Bering Sea during 2002 to 2005. Geophysical Research Letters, 2008, 35, .	4.0	13
136	Ocean climate change fingerprints attenuated by salt fingering?. Geophysical Research Letters, 2009, 36, .	4.0	13
137	Middepth decadal warming and freshening in the South Atlantic. Journal of Geophysical Research: Oceans, 2017, 122, 973-979.	2.6	13
138	Evaluating Twenty‥ear Trends in Earth's Energy Flows From Observations and Reanalyses. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	13
139	GOSML: A Global Ocean Surface Mixed Layer Statistical Monthly Climatology: Means, Percentiles, Skewness, and Kurtosis. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	11
140	Where's the heat?. Nature Climate Change, 2014, 4, 956-957.	18.8	10
141	A deep inertial jet on a sloping bottom near the equator. Deep-Sea Research Part I: Oceanographic Research Papers, 1993, 40, 1781-1792.	1.4	8
142	Eastern equatorial Pacific Ocean T-S variations with El Niño. Geophysical Research Letters, 2004, 31, .	4.0	8
143	Semiannual Variations in 1,000â€dbar Equatorial Indian Ocean Velocity and Isotherm Displacements from Argo Data. Journal of Geophysical Research: Oceans, 2019, 124, 9507-9516.	2.6	8
144	Anomalous eddy heat and freshwater transport in the <scp>G</scp> ulf of <scp>A</scp> laska. Journal of Geophysical Research: Oceans, 2015, 120, 1397-1408.	2.6	7

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145	Equatorial Pacific 1,000â€dbar Velocity and Isotherm Displacements From Argo Data: Beyond the Mean and Seasonal Cycle. Journal of Geophysical Research: Oceans, 2019, 124, 7873-7882.	2.6	7
146	Deep Caribbean Sea warming. Deep-Sea Research Part I: Oceanographic Research Papers, 2009, 56, 827-834.	1.4	6
147	On the climate impacts of atolls in the central equatorial Pacific. International Journal of Climatology, 2017, 37, 197-203.	3.5	5
148	Physical oceanographic conditions during GasEx-2001. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	4
149	Deep Bering Sea Circulation and Variability, 2001–2016, From Argo Data. Journal of Geophysical Research: Oceans, 2017, 122, 9765-9779.	2.6	3
150	Correction to "Recent western South Atlantic bottom water warming― Geophysical Research Letters, 2006, 33, .	4.0	2
151	Equatorial Pacific Thermostad response to El Niño. Journal of Geophysical Research: Oceans, 2016, 121, 8368-8378.	2.6	2
152	Progress and Challenges in Monitoring Ocean Temperature and Heat Content. , 2010, , .		2
153	Comments on "Corrections for Pumped SBE 41CP CTDs Determined from Stratified Tank Experiments― Journal of Atmospheric and Oceanic Technology, 2020, 37, 351-355.	1.3	2
154	Impact of ocean currents on scatterometer winds in the tropical Pacific Ocean. , 0, , .		1
155	Zonal evolution of Alaskan Stream structure and transport quantified with Argo data. Journal of Geophysical Research: Oceans, 2017, 122, 821-833.	2.6	1
156	Summary for Policymakers. , 2014, , 45-64.		1
157	Serendipitous Internal Wave Signals in Deep Argo Data. Geophysical Research Letters, 2022, 49, .	4.0	1