

Arnold L Gordon

List of Publications by Year in descending order

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224
papers

17,048
citations

11651
70
h-index

18130
120
g-index

230
all docs

230
docs citations

230
times ranked

8381
citing authors

#	ARTICLE	IF	CITATIONS
1	Interocean exchange of thermocline water. <i>Journal of Geophysical Research</i> , 1986, 91, 5037-5046.	3.3	1,082
2	Southern Ocean fronts from the Greenwich meridian to Tasmania. <i>Journal of Geophysical Research</i> , 1996, 101, 3675-3696.	3.3	601
3	Pacific western boundary currents and their roles in climate. <i>Nature</i> , 2015, 522, 299-308.	27.8	474
4	Pathways of water between the Pacific and Indian oceans in the Indonesian seas. <i>Nature</i> , 1996, 379, 146-149.	27.8	436
5	Pacific origin of the abrupt increase in Indian Ocean heat content during the warming hiatus. <i>Nature Geoscience</i> , 2015, 8, 445-449.	12.9	327
6	Thermocline and intermediate water communication between the south Atlantic and Indian oceans. <i>Journal of Geophysical Research</i> , 1992, 97, 7223-7240.	3.3	326
7	Upwelling along the coasts of Java and Sumatra and its relation to ENSO. <i>Geophysical Research Letters</i> , 2001, 28, 1599-1602.	4.0	264
8	Southern ocean winter mixed layer. <i>Journal of Geophysical Research</i> , 1990, 95, 11655-11672.	3.3	262
9	The Indonesian throughflow during 2004â€“2006 as observed by the INSTANT program. <i>Dynamics of Atmospheres and Oceans</i> , 2010, 50, 115-128.	1.8	259
10	Cool Indonesian throughflow as a consequence of restricted surface layer flow. <i>Nature</i> , 2003, 425, 824-828.	27.8	252
11	The Indonesian seas and their role in the coupled oceanâ€“climate system. <i>Nature Geoscience</i> , 2014, 7, 487-492.	12.9	252
12	Indian-Atlantic Transfer of Thermocline Water at the Agulhas Retroflexion. <i>Science</i> , 1985, 227, 1030-1033.	12.6	237
13	Deep Antarctic Convection West of Maud Rise. <i>Journal of Physical Oceanography</i> , 1978, 8, 600-612.	1.7	226
14	Seasonality of Southern Ocean sea ice. <i>Journal of Geophysical Research</i> , 1981, 86, 4193-4197.	3.3	203
15	Circulation of the Caribbean Sea. <i>Journal of Geophysical Research</i> , 1967, 72, 6207-6223.	3.3	202
16	Intermediate waters in the southwest South Atlantic. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1989, 36, 1-16.	1.5	201
17	Brazil-Malvinas Confluenceâ€“1984. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1989, 36, 359-384.	1.5	191
18	South China Sea throughflow impact on the Indonesian throughflow. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	191

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19	A Convective Model for the Weddell Polynya. <i>Journal of Physical Oceanography</i> , 1981, 11, 466-488.	1.7	189
20	Vertical Mixing in the Indonesian Thermocline. <i>Journal of Physical Oceanography</i> , 1992, 22, 184-195.	1.7	188
21	Stratification and circulation at the Agulhas Retroflection. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1987, 34, 565-599.	1.5	177
22	Throughflow within Makassar Strait. <i>Geophysical Research Letters</i> , 1999, 26, 3325-3328.	4.0	176
23	Blueprints for Medieval hydroclimate. <i>Quaternary Science Reviews</i> , 2007, 26, 2322-2336.	3.0	173
24	Tidal Mixing Signatures in the Indonesian Seas. <i>Journal of Physical Oceanography</i> , 1996, 26, 1924-1937.	1.7	165
25	Large-scale relative dynamic topography of the Southern Ocean. <i>Journal of Geophysical Research</i> , 1978, 83, 3023-3032.	3.3	161
26	Satellite observations of the Brazil and Falkland currentsâ€” 1975 1976 and 1978. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1982, 29, 375-401.	1.5	157
27	Agulhas eddies invade the south Atlantic: Evidence From Geosat altimeter and shipboard conductivity-temperature-depth survey. <i>Journal of Geophysical Research</i> , 1990, 95, 3117-3125.	3.3	155
28	Agulhas Eddies: A Synoptic View Using Geosat ERM Data. <i>Journal of Physical Oceanography</i> , 1995, 25, 902-917.	1.7	153
29	Improving Oceanic Overflow Representation in Climate Models: The Gravity Current Entrainment Climate Process Team. <i>Bulletin of the American Meteorological Society</i> , 2009, 90, 657-670.	3.3	153
30	A semiannual Indian Ocean forced Kelvin wave observed in the Indonesian seas in May 1997. <i>Journal of Geophysical Research</i> , 2000, 105, 17217-17230.	3.3	151
31	Circulation and Melting Beneath the Ross Ice Shelf. <i>Science</i> , 1979, 203, 439-443.	12.6	148
32	Origins and variability of the Benguela Current. <i>Journal of Geophysical Research</i> , 1996, 101, 897-906.	3.3	143
33	Makassar Strait throughflow, 2004 to 2006. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	143
34	Antarctic Polar Front Zone in the Western Scotia Seaâ€”Summer 1975. <i>Journal of Physical Oceanography</i> , 1977, 7, 309-328.	1.7	142
35	Late Pleistocene Southern Ocean $\delta^{13}C$ variability. <i>Paleoceanography</i> , 1990, 5, 43-54.	3.0	140
36	Polynyas in the Southern Ocean. <i>Scientific American</i> , 1988, 258, 90-97.	1.0	135

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37	Geostrophic circulation of the Brazil-Falkland confluence. Deep-sea Research Part A, Oceanographic Research Papers, 1986, 33, 573-585.	1.5	134
38	Variability and trends in sea ice extent and ice production in the Ross Sea. Journal of Geophysical Research, 2011, 116, .	3.3	133
39	South Atlantic thermocline ventilation. Deep-sea Research Part A, Oceanographic Research Papers, 1981, 28, 1239-1264.	1.5	132
40	Recurring polynyas over the Cosmonaut Sea and the Maud Rise. Journal of Geophysical Research, 1987, 92, 2819-2833.	3.3	127
41	Long-term temperature trends in the deep waters of the Weddell Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 4791-4806.	1.4	126
42	Western Ross Sea continental slope gravity currents. Deep-Sea Research Part II: Topical Studies in Oceanography, 2009, 56, 796-817.	1.4	126
43	Antarctic offshore leads and polynyas and oceanographic effects. Antarctic Research Series, 1985, , 203-226.	0.2	120
44	Thermohaline stratification below the Southern Ocean sea ice. Journal of Geophysical Research, 1984, 89, 641-648.	3.3	119
45	Oceanography of Antarctic waters. Antarctic Research Series, 1971, , 169-203.	0.2	115
46	The Basin Waters of the Bransfield Strait. Journal of Physical Oceanography, 1978, 8, 258-264.	1.7	115
47	Deep and Bottom Water of the Weddell Sea's Western Rim. Science, 1993, 262, 95-97.	12.6	115
48	Spreading of Red Sea overflow waters in the Indian Ocean. Journal of Geophysical Research, 2000, 105, 8549-8564.	3.3	112
49	Water column anomalies in dissolved silica over opaline Pelagic sediments and the origin of the deep silica maximum. Journal of Geophysical Research, 1979, 84, 7809-7826.	3.3	111
50	Export of Weddell Sea deep and bottom water. Journal of Geophysical Research, 2001, 106, 9005-9017.	3.3	109
51	Circulation and transport of water along the western Weddell Sea margin. Journal of Geophysical Research, 1995, 100, 18503.	3.3	104
52	The heat transport of the Indonesian Throughflow and implications for the Indian Ocean heat budget. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 1391-1410.	1.4	104
53	Energetic plumes over the western Ross Sea continental slope. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	103
54	Spreading of the Indonesian Throughflow in the Indian Ocean*. Journal of Physical Oceanography, 2004, 34, 772-792.	1.7	100

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55	Waters of the continental margin off Ad�lie Coast, Antarctica. Antarctic Research Series, 1972, , 59-69.	0.2	99
56	Advection and diffusion of Indonesian Throughflow Water within the Indian Ocean South Equatorial Current. Geophysical Research Letters, 1997, 24, 2573-2576.	4.0	95
57	Variability of Indonesian throughflow within Makassar Strait, 2004�2009. Journal of Geophysical Research, 2012, 117, .	3.3	95
58	Shedding of an Agulhas ring observed at sea. Nature, 1987, 325, 138-140.	27.8	94
59	Thermocline stratification within the Indonesian Seas. Journal of Geophysical Research, 1996, 101, 12401-12409.	3.3	93
60	Tracing Amazon River water into the Caribbean Sea. Journal of Marine Research, 2002, 60, 537-549.	0.3	92
61	INSTANT: A new international array to measure the Indonesian Throughflow. Eos, 2004, 85, 369.	0.1	92
62	Simulated and observed circulation in the Indonesian Seas: 1/12� global HYCOM and the INSTANT observations. Dynamics of Atmospheres and Oceans, 2010, 50, 275-300.	1.8	91
63	Barrier Layer Control of Entrainment and Upwelling in the Bohol Sea, Philippines. Oceanography, 2011, 24, 130-141.	1.0	90
64	Winter mixed layer entrainment of Weddell Deep Water. Journal of Geophysical Research, 1984, 89, 637-640.	3.3	88
65	Cooling and ventilating the Abyssal Ocean. Geophysical Research Letters, 2001, 28, 2923-2926.	4.0	88
66	A Possible Link between the Weddell Polynya and the Southern Annular Mode*. Journal of Climate, 2007, 20, 2558-2571.	3.2	86
67	Cyclonic gyre in the tropical South Atlantic. Deep-sea Research Part A, Oceanographic Research Papers, 1991, 38, S323-S343.	1.5	85
68	The wind-driven circulation in the Weddell-Enderby Basin. Deep-sea Research Part A, Oceanographic Research Papers, 1981, 28, 151-163.	1.5	84
69	Japan/East Sea Intrathermocline Eddies. Journal of Physical Oceanography, 2002, 32, 1960-1974.	1.7	82
70	Velocity and transport of the Makassar Strait throughflow. Journal of Geophysical Research, 2005, 110, .	3.3	78
71	Estimating ENSO Influence on the Global Mean Sea Level, 1993�2010. Marine Geodesy, 2012, 35, 82-97.	2.0	76
72	Western Weddell Sea Thermohaline Stratification. Antarctic Research Series, 0, , 215-240.	0.2	76

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73	Banda Sea surface-layer divergence. <i>Ocean Dynamics</i> , 2001, 52, 0002-0010.	2.2	75
74	Temperature variability within Makassar Strait. <i>Geophysical Research Letters</i> , 2000, 27, 237-240.	4.0	73
75	The brawniest retroflection. <i>Nature</i> , 2003, 421, 904-905.	27.8	73
76	Deep and bottom water of the Bransfield Strait eastern and central basins. <i>Journal of Geophysical Research</i> , 2000, 105, 11337-11346.	3.3	72
77	Antarctic sea ice microwave signatures and their correlation with in situ ice observations. <i>Journal of Geophysical Research</i> , 1984, 89, 662-672.	3.3	71
78	Pacific and Indian Ocean Upper-Layer Salinity Budget. <i>Journal of Physical Oceanography</i> , 1984, 14, 747-753.	1.7	71
79	Deep topographic barriers within the Indonesian seas. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2003, 50, 2205-2228.	1.4	70
80	Evolution of the Deep and Bottom Waters of the Scotia Sea, Southern Ocean, during 1995â€“2005*. <i>Journal of Climate</i> , 2008, 21, 3327-3343.	3.2	70
81	ASIRI: An Oceanâ€“Atmosphere Initiative for Bay of Bengal. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1859-1884.	3.3	69
82	A seasonal cycle in the export of bottom water from the Weddell Sea. <i>Nature Geoscience</i> , 2010, 3, 551-556.	12.9	65
83	Makassar Strait Throughflow Seasonal and Interannual Variability: An Overview. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 3724-3736.	2.6	64
84	Pacific decadal oscillation and sea level in the Japan/East sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2004, 51, 653-663.	1.4	62
85	Thermohaline Stratification of the Indonesian Seas: Model and Observations*. <i>Journal of Physical Oceanography</i> , 1999, 29, 198-216.	1.7	61
86	Detecting Change in the Indonesian Seas. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	61
87	The nascent Kuroshio of Lamon Bay. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 4251-4263.	2.6	58
88	Seasonal Change of Antarctic Sea Ice Cover. <i>Science</i> , 1975, 187, 346-347.	12.6	57
89	On the Influence of Bottom Topography on the Agulhas Eddy. <i>Journal of Physical Oceanography</i> , 1996, 26, 892-912.	1.7	57
90	Thermocline of the Flores and Banda seas. <i>Journal of Geophysical Research</i> , 1994, 99, 18235.	3.3	56

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91	Bay of Bengal currents during the Northeast Monsoon. <i>Geophysical Research Letters</i> , 1998, 25, 2769-2772.	4.0	56
92	Observations of the Madden Julian Oscillation during Indian Ocean Dipole events. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2588-2599.	3.3	56
93	Weddell Gyre: Temperature maximum stratum. <i>Journal of Geophysical Research</i> , 1989, 94, 8331-8334.	3.3	54
94	Weddell Sea exploration from ice station. <i>Eos</i> , 1993, 74, 121-126.	0.1	54
95	Chaotic Advection in an Archipelago*. <i>Journal of Physical Oceanography</i> , 2010, 40, 1988-2006.	1.7	54
96	Intraseasonal Kelvin wave in Makassar Strait. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 2023-2034.	2.6	54
97	Some mechanisms of oceanic mixing revealed in aerial photographs. <i>Journal of Geophysical Research</i> , 1971, 76, 6550-6572.	3.3	51
98	Climatic characteristics of the Antarctic Polar Front zone. <i>Journal of Geophysical Research</i> , 1978, 83, 4572-4578.	3.3	50
99	Two Stable Modes of Southern Ocean Winter Stratification. <i>Elsevier Oceanography Series</i> , 1991, 57, 17-35.	0.1	49
100	The eddy field of the southeast Atlantic Ocean: A statistical census from the Benguela Sources and Transports Project. <i>Journal of Geophysical Research</i> , 1996, 101, 11949-11964.	3.3	49
101	Cosmonaut polynya in the Southern Ocean: Structure and variability. <i>Journal of Geophysical Research</i> , 1996, 101, 18297-18313.	3.3	49
102	Variability and sources of the southeastern Atlantic circulation. <i>Journal of Marine Research</i> , 1996, 54, 1039-1071.	0.3	49
103	Sea Surface Salinity Trends over Fifty Years Within the Subtropical North Atlantic. <i>Oceanography</i> , 2008, 21, 20-29.	1.0	49
104	Convective modifications of water masses in the Agulhas. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1992, 39, S163-S181.	1.5	46
105	On the interaction of the Antarctic circumpolar current and the Macquarie ridge. <i>Antarctic Research Series</i> , 1972, , 71-78.	0.2	45
106	Seasonal surface ocean circulation and dynamics in the Philippine Archipelago region during 2004-2008. <i>Dynamics of Atmospheres and Oceans</i> , 2009, 47, 114-137.	1.8	45
107	Significance of the vertical profile of the Indonesian Throughflow transport to the Indian Ocean. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	44
108	Antarctic polar front zone. <i>Antarctic Research Series</i> , 1971, , 205-221.	0.2	43

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109	Effect of glacial ice melting on the Antarctic Surface Water. <i>Nature</i> , 1979, 277, 469-471.	27.8	43
110	Southern ocean bottom water of the Australian–New Zealand sector. <i>Journal of Geophysical Research</i> , 1982, 87, 5771-5778.	3.3	43
111	Fifty Years of the Indonesian Throughflow*. <i>Journal of Climate</i> , 2009, 22, 6342-6355.	3.2	43
112	Intraseasonal variability in the Makassar Strait thermocline. <i>Journal of Marine Research</i> , 2009, 67, 757-777.	0.3	43
113	An Intrathermocline Eddy and a tropical cyclone in the Bay of Bengal. <i>Scientific Reports</i> , 2017, 7, 46218.	3.3	43
114	Salinity maximum in the pycnocline of the Middle Atlantic Bight ^{1,2} . <i>Limnology and Oceanography</i> , 1981, 26, 123-130.	3.1	41
115	Opposite Variability of Indonesian Throughflow and South China Sea Throughflow in the Sulawesi Sea. <i>Journal of Physical Oceanography</i> , 2016, 46, 3165-3180.	1.7	41
116	Atlantic Ocean Upper Layer Salinity Budget. <i>Journal of Physical Oceanography</i> , 1983, 13, 1293-1300.	1.7	40
117	Spin-down of baroclinic eddies under sea ice. <i>Journal of Geophysical Research</i> , 1986, 91, 7623-7630.	3.3	40
118	When is Appearance Reality? A Comment on Why Does the Indonesian Throughflow Appear to Originate from the North Pacific. <i>Journal of Physical Oceanography</i> , 1995, 25, 1560-1567.	1.7	40
119	Intraseasonal variability and tides in Makassar Strait. <i>Geophysical Research Letters</i> , 2000, 27, 1499-1502.	4.0	40
120	Synchronous intensification and warming of Antarctic Bottom Water outflow from the Weddell Gyre. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	39
121	Circumpolar View of the Southern Ocean from 1962 to 1992. <i>Oceanography</i> , 2012, 25, 18-23.	1.0	39
122	Water masses and circulation patterns in the region of the Blake-Bahama outer ridge. <i>Deep Sea Research and Oceanographic Abstracts</i> , 1971, 18, 145-165.	0.3	37
123	Observations of Antarctic Polynya With Unmanned Aircraft Systems. <i>Eos</i> , 2010, 91, 245-246.	0.1	37
124	Multiscale influences on extreme winter rainfall in the Philippines. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 3292-3309.	3.3	37
125	Unprecedented Response of Indonesian Throughflow to Anomalous Indo–Pacific Climatic Forcing in 2016. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 3737-3754.	2.6	37
126	Atmospheric and Oceanic Processes in the Vicinity of an Island Strait. <i>Oceanography</i> , 2011, 24, 112-121.	1.0	37

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127	Tropical atlantic water within the Benguela upwelling system at 27°S. Deep-Sea Research Part I: Oceanographic Research Papers, 1995, 42, 1-12.	1.4	36
128	Chapter 4.7 Interocean exchange. International Geophysics, 2001, 77, 303-314.	0.6	36
129	Bottom water export from the western Ross Sea, 2007 through 2010. Geophysical Research Letters, 2015, 42, 5387-5394.	4.0	36
130	Differences Among Subtropical Surface Salinity Patterns. Oceanography, 2015, 28, 32-39.	1.0	36
131	A Synoptic View of the Ventilation and Circulation of Antarctic Bottom Water from Chlorofluorocarbons and Natural Tracers. Annual Review of Marine Science, 2018, 10, 503-527.	11.6	36
132	Maritime Continent water cycle regulates low-latitude chokepoint of global ocean circulation. Nature Communications, 2019, 10, 2103.	12.8	36
133	Stabilization of dense Antarctic water supply to the Atlantic Ocean overturning circulation. Nature Climate Change, 2019, 9, 742-746.	18.8	35
134	The absolute velocity field of Agulhas eddies and the Benguela Current. Journal of Geophysical Research, 1995, 100, 22591.	3.3	34
135	Interannual variability of South Atlantic circulation from 4 years of TOPEX/POSEIDON satellite altimeter observations. Journal of Geophysical Research, 1999, 104, 20927-20948.	3.3	34
136	Open-ocean polynyas and deep convection in the Southern Ocean. Scientific Reports, 2019, 9, 6935.	3.3	34
137	An Antarctic oceanographic section along 170°E. Deep Sea Research and Oceanographic Abstracts, 1975, 22, 357-377.	0.3	33
138	Replicating the 1970s' Weddell Polynya using a coupled ocean-sea ice model with reanalysis surface flux fields. Geophysical Research Letters, 2015, 42, 5411-5418.	4.0	33
139	Unprecedented reduction and quick recovery of the South Indian Ocean heat content and sea level in 2014-2018. Science Advances, 2020, 6, .	10.3	33
140	Modeling of topographic effects on Antarctic Sea ice using multivariate adaptive regression splines. Journal of Geophysical Research, 1993, 98, 20307-20319.	3.3	32
141	Observations and proxies of the surface layer throughflow in Lombok Strait. Journal of Geophysical Research, 2007, 112, .	3.3	32
142	Ocean eddy freshwater flux convergence into the North Atlantic subtropics. Journal of Geophysical Research: Oceans, 2014, 119, 3327-3335.	2.6	32
143	Salinity Trends within the Upper Layers of the Subpolar North Atlantic. Journal of Climate, 2018, 31, 2675-2698.	3.2	32
144	Southern Ocean polynya. Nature Climate Change, 2014, 4, 249-250.	18.8	31

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145	Spatial and Temporal Variability Within the Southern Ocean. , 1988, , 41-56.		31
146	Interannual Variability in Summer Sea Ice Minimum, Coastal Polynyas and Bottom Water Formation In the Weddell Sea. Antarctic Research Series, 2013, , 293-315.	0.2	30
147	Observations of exchange between the South China Sea and the Sulu Sea. Journal of Geophysical Research, 2012, 117, .	3.3	29
148	Multi-decadal timeseries of the Indonesian throughflow. Dynamics of Atmospheres and Oceans, 2018, 81, 84-95.	1.8	29
149	Freshwater export pathways from the Bay of Bengal. Deep-Sea Research Part II: Topical Studies in Oceanography, 2019, 168, 104645.	1.4	29
150	Polar oceans. Reviews of Geophysics, 1987, 25, 227-233.	23.0	28
151	Climate impact on interannual variability of Weddell Sea Bottom Water. Journal of Geophysical Research, 2011, 116, .	3.3	28
152	Warm Weddell Deep Water west of Maud Rise. Journal of Geophysical Research, 1995, 100, 13747.	3.3	26
153	Estimating transport in Makassar Strait. Deep-Sea Research Part II: Topical Studies in Oceanography, 2003, 50, 2163-2181.	1.4	26
154	The Makassar Strait pycnocline variability at 20-40 days. Dynamics of Atmospheres and Oceans, 2012, 53-54, 17-35.	1.8	24
155	Intraseasonal Sea Surface Temperature Variability across the Indonesian Seas*. Journal of Climate, 2015, 28, 8710-8727.	3.2	23
156	Subtropical surface layer salinity budget and the role of mesoscale turbulence. Journal of Geophysical Research: Oceans, 2014, 119, 4124-4140.	2.6	22
157	Communication between oceans. Nature, 1996, 382, 399-400.	27.8	21
158	Transport and Dynamics of the Panay Sill Overflow in the Philippine Seas*. Journal of Physical Oceanography, 2010, 40, 2679-2695.	1.7	21
159	Potential temperature, oxygen and circulation of bottom water in the Southern Ocean. Deep Sea Research and Oceanographic Abstracts, 1966, 13, 1125-1138.	0.3	20
160	CFC-113 shows Brazil eddy crossing the South Atlantic to the Agulhas retroflection region. Journal of Geophysical Research, 1996, 101, 885-895.	3.3	19
161	Transport weighted temperature and internal energy transport of the Indonesian throughflow. Dynamics of Atmospheres and Oceans, 2010, 50, 224-232.	1.8	19
162	The North Atlantic subtropical surface salinity maximum as observed by Aquarius. Journal of Geophysical Research: Oceans, 2014, 119, 7741-7755.	2.6	19

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163	Wind-driven ocean dynamics impact on the contrasting sea-ice trends around West Antarctica. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 4413-4430.	2.6	19
164	Geostrophic Transport Through the Drake Passage. <i>Science</i> , 1967, 156, 1732-1734.	12.6	18
165	A numerical study of the circulation in the northwestern Weddell Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 4827-4841.	1.4	18
166	Isopycnal displacements within the Cape Basin thermocline as revealed by the Hydrographic Data Archive. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2006, 53, 1285-1300.	1.4	18
167	Freshwater budget in the Persian (Arabian) Gulf and exchanges at the Strait of Hormuz. <i>PLoS ONE</i> , 2020, 15, e0233090.	2.5	18
168	Bay of Bengal nutrient-rich benthic layer. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 1411-1421.	1.4	17
169	Southern Ocean shelf slope exchange. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 775-777.	1.4	17
170	Interannual to Decadal Response of the Indonesian Throughflow Vertical Profile to Indo-Pacific Forcing. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087679.	4.0	17
171	The role of tides in bottom water export from the western Ross Sea. <i>Scientific Reports</i> , 2021, 11, 2246.	3.3	17
172	North Pacific Bottom Potential Temperature. <i>Memoir of the Geological Society of America</i> , 1970, , 23-40.	0.5	16
173	Vertical momentum flux accomplished by Langmuir circulation. <i>Journal of Geophysical Research</i> , 1970, 75, 4177-4179.	3.3	16
174	Southern hemisphere western boundary current variability revealed by GEOS 3 altimeter. <i>Journal of Geophysical Research</i> , 1983, 88, 755-762.	3.3	16
175	Lateral Eddy Mixing in the Subtropical Salinity Maxima of the Global Ocean. <i>Journal of Physical Oceanography</i> , 2017, 47, 737-754.	1.7	16
176	Exploring the Importance of the Mindoro-Sibutu Pathway to the Upper-Layer Circulation of the South China Sea and the Indonesian Throughflow. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 5054-5066.	2.6	16
177	Ocean transients as observed by Geos 3 coincident orbits. <i>Journal of Geophysical Research</i> , 1980, 85, 502-506.	3.3	15
178	Is there a global scale ocean circulation?. <i>Eos</i> , 1986, 67, 109-110.	0.1	15
179	Climatic Influences on Southern Makassar Strait Salinity Over the Past Century. <i>Geophysical Research Letters</i> , 2017, 44, 11,967.	4.0	15
180	Interannual Variability of the Outflow of Weddell Sea Bottom Water. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087014.	4.0	15

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181	Surface dynamic topography of antarctic waters. <i>Journal of Geophysical Research</i> , 1972, 77, 5993-5999.	3.3	14
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