

# Increase in Agulhas leakage due to poleward shift of South Atlantic gyre

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Citation Report

#	ARTICLE	IF	CITATIONS
1	South Atlantic mass transports obtained from subsurface float and hydrographic data. <i>Journal of Marine Research</i> , 2010, 68, 819-850.	0.3	19
2	Does the Agulhas Current amplify global temperatures during super-interglacials?. <i>Journal of Quaternary Science</i> , 2010, 25, 839-843.	1.1	163
3	The importance of the greater Agulhas Current is increasingly being recognised. <i>South African Journal of Science</i> , 2010, 106, .	0.3	11
4	Abrupt change of Antarctic moisture origin at the end of Termination II. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12091-12094.	3.3	71
5	Deconstructing the Conveyor Belt. <i>Science</i> , 2010, 328, 1507-1511.	6.0	194
6	Contrasting multiproxy reconstructions of surface ocean hydrography in the Agulhas Corridor and implications for the Agulhas Leakage during the last 345,000 years. <i>Paleoceanography</i> , 2010, 25, n/a-n/a.	3.0	70
7	Investigating the Global Impacts of the Agulhas Current. <i>Eos</i> , 2010, 91, 109-110.	0.1	5
8	Sea surface slope as a proxy for Agulhas Current strength. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	11
9	Flux comparison of Eulerian and Lagrangian estimates of Agulhas leakage: A case study using a numerical model. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010, 57, 319-327.	0.6	36
10	Double-celled subtropical gyre in the South Atlantic Ocean: Means, trends, and interannual changes. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	13
11	What caused the significant increase in Atlantic Ocean heat content since the mid-20th century?. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	62
12	The Role of Inter-ocean Exchanges on Decadal Variations of the Meridional Heat Transport in the South Atlantic. <i>Journal of Physical Oceanography</i> , 2011, 41, 1498-1511.	0.7	38
13	Inter-annual variations in the SeaWiFS global chlorophyll a concentration (1997–2007). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2011, 58, 429-441.	0.6	76
14	Advective Time Scales of Agulhas Leakage to the North Atlantic in Surface Drifter Observations and the 3D OFES Model. <i>Journal of Physical Oceanography</i> , 2011, 41, 1026-1034.	0.7	13
15	Sea-surface salinity variations in the northern Caribbean Sea across the Mid-Pleistocene Transition. <i>Climate of the Past</i> , 2011, 7, 75-90.	1.3	20
16	Solar-forced shifts of the Southern Hemisphere Westerlies during the Holocene. <i>Climate of the Past</i> , 2011, 7, 339-347.	1.3	45
17	High-latitude obliquity as a dominant forcing in the Agulhas current system. <i>Climate of the Past</i> , 2011, 7, 1285-1296.	1.3	76
18	The arrested Agulhas retroflection. <i>Journal of Marine Research</i> , 2011, 69, 659-691.	0.3	6

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19	Crossing the threshold. <i>Nature Climate Change</i> , 2011, 1, 371-371.	8.1	0
20	On the role of the Agulhas system in ocean circulation and climate. <i>Nature</i> , 2011, 472, 429-436.	13.7	470
21	Response of the South Atlantic circulation to an abrupt collapse of the Atlantic meridional overturning circulation. <i>Climate Dynamics</i> , 2011, 37, 521-530.	1.7	8
22	A global mean dynamic topography and ocean circulation estimation using a preliminary GOCE gravity model. <i>Journal of Geodesy</i> , 2011, 85, 861-879.	1.6	110
23	Comments on "Does the Agulhas Current amplify global temperatures during super-interglacials?". <i>Journal of Quaternary Science</i> , 2011, 26, 866-869.	1.1	2
25	A review of marine phylogeography in southern Africa. <i>South African Journal of Science</i> , 2011, 107, .	0.3	132
26	Decadal Variability of Thermocline and Intermediate Waters at 24°S in the South Atlantic. <i>Journal of Physical Oceanography</i> , 2011, 41, 157-165.	0.7	20
27	Links between the Southern Annular Mode and the Atlantic Meridional Overturning Circulation in a Climate Model. <i>Journal of Climate</i> , 2011, 24, 624-640.	1.2	23
28	Advective Time Scales of Agulhas Leakage to the North Atlantic in Surface Drifter Observations and the 3D OFES Model. <i>Journal of Physical Oceanography</i> , 2011, 41, 1026-1034.	0.7	41
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31	The Southern Ocean and Its Climate in CCSM4. <i>Journal of Climate</i> , 2012, 25, 2652-2675.	1.2	56
32	Impact of intensified Indian Ocean winds on mesoscale variability in the Agulhas system. <i>Nature Climate Change</i> , 2012, 2, 608-612.	8.1	84
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36	Eddy-Train Encounters with a Continental Boundary: A South Atlantic Case Study. <i>Journal of Physical Oceanography</i> , 2012, 42, 1548-1565.	0.7	10
38	Decadal-timescale changes of the Atlantic overturning circulation and climate in a coupled climate model with a hybrid-coordinate ocean component. <i>Climate Dynamics</i> , 2012, 39, 1021-1042.	1.7	9

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40	Mesoscale features and phytoplankton biomass at the GoodHope line in the Southern Ocean during austral summer. <i>African Journal of Marine Science</i> , 2012, 34, 511-524.	0.4	9
41	Ocean carbon uptake and storage influenced by wind bias in global climate models. <i>Nature Climate Change</i> , 2012, 2, 47-52.	8.1	22
42	Variability of primary production and air-sea CO <sub>2</sub> flux in the Southern Ocean. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	1.9	22
43	On the sub-decadal variability of South Atlantic Antarctic Intermediate Water. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	8
44	Observed and simulated changes in the Southern Hemisphere surface westerly wind stress. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	253
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49	Southern limit of the Western South Atlantic mangroves: Assessment of the potential effects of global warming from a biogeographical perspective. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 101, 44-53.	0.9	89
50	Coherent patterns in long-term sea-level variability trends derived from long-term tide gauge measurements. <i>International Journal of Climatology</i> , 2013, 33, 577-584.	1.5	0
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52	Advective timescales and pathways of Agulhas leakage. <i>Geophysical Research Letters</i> , 2013, 40, 3997-4000.	1.5	55
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54	Influence of tropical cyclones on sea surface temperature seasonal cycle and ocean heat transport. <i>Climate Dynamics</i> , 2013, 41, 2019-2038.	1.7	36
55	Holocene shifts of the Subtropical Shelf Front off southeastern South America controlled by high and low latitude atmospheric forcings. <i>Paleoceanography</i> , 2013, 28, 481-490.	3.0	25
56	Southern Hemisphere westerly wind changes during the Last Glacial Maximum: paleo-data synthesis. <i>Quaternary Science Reviews</i> , 2013, 68, 76-95.	1.4	238

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58	The water mass variability and southward shift of the Southern Hemisphere mid-depth supergyre. <i>Acta Oceanologica Sinica</i> , 2013, 32, 74-81.	0.4	9
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63	Foraging in a changing environment: habitat shifts of an oceanic predator over the last half century. <i>Ecography</i> , 2013, 36, 57-67.	2.1	13
64	Objective Detection of Oceanic Eddies and the Agulhas Leakage. <i>Journal of Physical Oceanography</i> , 2013, 43, 1426-1438.	0.7	124
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68	Biogeographic partitioning of Southern Ocean microorganisms revealed by metagenomics. <i>Environmental Microbiology</i> , 2013, 15, 1318-1333.	1.8	82
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77	An observed 20-year time series of Agulhas leakage. Ocean Science, 2014, 10, 601-609.	1.3	28
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86	Spatio-Temporal Variability of the Eddy Kinetic Energy in the South Atlantic Ocean. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 2010-2014.	1.4	4
87	Low-frequency thermohaline variability in the Subtropical South Atlantic pycnocline during 2002-2013. Geophysical Research Letters, 2014, 41, 6468-6475.	1.5	13
88	Links between southwestern tropical Indian Ocean SST and precipitation over southeastern Africa over the last 17kyr. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 410, 200-212.	1.0	37
89	Assimilating along-track SLA data using the EnOI in an eddy resolving model of the Agulhas system. Ocean Dynamics, 2014, 64, 1121-1136.	0.9	27
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99	Coherent water transport across the South Atlantic. <i>Geophysical Research Letters</i> , 2015, 42, 4072-4079.	1.5	47
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103	Saline Indian Ocean waters invaded the South Atlantic thermocline during glacial termination II. <i>Geology</i> , 2015, 43, 139-142.	2.0	18
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107	Southern Ocean control of glacial AMOC stability and Dansgaard-Oeschger interstadial duration. <i>Paleoceanography</i> , 2015, 30, 1595-1612.	3.0	55
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110	Ocean currents generate large footprints in marine palaeoclimate proxies. <i>Nature Communications</i> , 2015, 6, 6521.	5.8	66
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113	Microbial ecology of Antarctic aquatic systems. <i>Nature Reviews Microbiology</i> , 2015, 13, 691-706.	13.6	150
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124	The impact of horizontal resolution of density field on the calculation of the Atlantic meridional overturning circulation at 34°S. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 4323-4340.	1.0	3
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132	Spatio-temporal characteristics of Agulhas leakage: a model inter-comparison study. <i>Climate Dynamics</i> , 2017, 48, 2107-2121.	1.7	14
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134	Energetics of the Brazil Current in the Rio Grande Cone region. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2017, 128, 67-81.	0.6	13
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156	Interannual Eddy Kinetic Energy Modulations in the Agulhas Return Current. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 6449-6462.	1.0	19
157	On the translation of Agulhas rings to the western South Atlantic Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2018, 139, 104-113.	0.6	33
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