

On the role of the Agulhas system in ocean circulation a

Nature

472, 429-436

DOI: [10.1038/nature09983](https://doi.org/10.1038/nature09983)

Citation Report

#	ARTICLE	IF	CITATIONS
1	What caused the significant increase in Atlantic Ocean heat content since the mid-20th century?. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	62
2	A Holistic Approach to Marine Eco-Systems Biology. PLoS Biology, 2011, 9, e1001177.	2.6	353
3	High-latitude obliquity as a dominant forcing in the Agulhas current system. Climate of the Past, 2011, 7, 1285-1296.	1.3	76
4	The arrested Agulhas retroflection. Journal of Marine Research, 2011, 69, 659-691.	0.3	6
5	Crossing the threshold. Nature Climate Change, 2011, 1, 371-371.	8.1	0
6	South Atlantic overturning circulation at 24°S. Journal of Marine Research, 2011, 69, 38-55.	0.3	74
7	Influence of the tropics and southern westerlies on glacial interhemispheric asymmetry. Nature Geoscience, 2012, 5, 266-269.	5.4	118
8	The Southern Ocean and Its Climate in CCSM4. Journal of Climate, 2012, 25, 2652-2675.	1.2	56
9	Impact of intensified Indian Ocean winds on mesoscale variability in the Agulhas system. Nature Climate Change, 2012, 2, 608-612.	8.1	84
10	Agulhas leakage as a key process in the modes of Quaternary climate changes. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6835-6839.	3.3	71
11	A New Regime of the Agulhas Current Retroflection: Turbulent Choking of Indian Atlantic leakage. Journal of Physical Oceanography, 2012, 42, 1158-1172.	0.7	20
12	Eddy-Train Encounters with a Continental Boundary: A South Atlantic Case Study. Journal of Physical Oceanography, 2012, 42, 1548-1565.	0.7	10
13	Sensitivity of the Atlantic meridional overturning circulation to South Atlantic freshwater anomalies. Climate Dynamics, 2012, 39, 2291-2306.	1.7	30
14	Ocean carbon uptake and storage influenced by wind bias in global climate models. Nature Climate Change, 2012, 2, 47-52.	8.1	22
15	Three-dimensional characterization and tracking of an Agulhas Ring. Ocean Modelling, 2012, 52-53, 69-75.	1.0	63
16	Global synchrony of an accelerating rise in sea surface temperature. Journal of the Marine Biological Association of the United Kingdom, 2012, 92, 1435-1450.	0.4	45
17	Sedimentation and burial of organic and inorganic temperature proxies in the Mozambique Channel, SW Indian Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2012, 59, 37-53.	0.6	23
18	20th Century variability of Atlantic Meridional overturning circulation: Planetary wave influences on world ocean surface phosphate utilization and synchrony of small pelagic fisheries. Deep-Sea Research Part I: Oceanographic Research Papers, 2012, 65, 85-99.	0.6	4

#	ARTICLE	IF	CITATIONS
19	Enhanced warming over the global subtropical western boundary currents. <i>Nature Climate Change</i> , 2012, 2, 161-166.	8.1	564
20	Does the vorticity flux from Agulhas rings control the zonal pathway of NADW across the South Atlantic?. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	40
21	On the subdecadal variability of South Atlantic Antarctic Intermediate Water. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	8
22	Observed and simulated changes in the Southern Hemisphere surface westerly wind stress. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	253
23	Southern Ocean fronts: Controlled by wind or topography?. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	80
24	Mesoscale bio-physical interactions between the Agulhas Current and the Agulhas Bank, South Africa. <i>Continental Shelf Research</i> , 2012, 49, 10-24.	0.9	39
25	Satellite observations of an annual cycle in the Agulhas Current. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	41
26	Multidecadal Warming and Shoaling of Antarctic Intermediate Water*. <i>Journal of Climate</i> , 2012, 25, 207-221.	1.2	51
27	Connectivity Modeling System: A probabilistic modeling tool for the multi-scale tracking of biotic and abiotic variability in the ocean. <i>Environmental Modelling and Software</i> , 2013, 42, 47-54.	1.9	270
28	Agulhas Leakage Predominantly Responds to the Southern Hemisphere Westerlies. <i>Journal of Physical Oceanography</i> , 2013, 43, 2113-2131.	0.7	131
29	Agulhas salt leakage oscillations during abrupt climate changes of the Late Pleistocene. <i>Paleoceanography</i> , 2013, 28, 599-606.	3.0	47
30	Deglaciation in the tropical Indian Ocean driven by interplay between the regional monsoon and global teleconnections. <i>Earth and Planetary Science Letters</i> , 2013, 375, 166-175.	1.8	131
31	Advective timescales and pathways of Agulhas leakage. <i>Geophysical Research Letters</i> , 2013, 40, 3997-4000.	1.5	55
32	Vortex waves and vertical motion in a mesoscale cyclonic eddy. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 5609-5624.	1.0	47
33	The Holocene onset in the southwestern South Atlantic. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 374, 164-172.	1.0	32
34	Ocean bottom pressure signals around Southern Africa from in situ measurements, satellite data, and modeling. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 4889-4898.	1.0	5
35	Thinking strings: Additional evidence for personal ornament use in the Middle Stone Age at Blombos Cave, South Africa. <i>Journal of Human Evolution</i> , 2013, 64, 500-517.	1.3	199
36	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

#	ARTICLE	IF	CITATIONS
37	Holocene climate change in southernmost South Africa: rock hyrax middens record shifts in the southern westerlies. <i>Quaternary Science Reviews</i> , 2013, 82, 199-205.	1.4	66
38	An objective reference system for studying rings in the ocean. <i>Computers and Geosciences</i> , 2013, 61, 43-49.	2.0	1
39	Coherent Lagrangian vortices: the black holes of turbulence. <i>Journal of Fluid Mechanics</i> , 2013, 731, .	1.4	155
40	Mozambique Channel eddies in GCMs: A question of resolution and slippage. <i>Ocean Modelling</i> , 2013, 63, 56-67.	1.0	16
41	Southern Hemisphere westerly wind changes during the Last Glacial Maximum: model-data comparison. <i>Quaternary Science Reviews</i> , 2013, 64, 104-120.	1.4	121
42	Millennial-scale Agulhas Current variability and its implications for salt-leakage through the Indianâ€“Atlantic Ocean Gateway. <i>Earth and Planetary Science Letters</i> , 2013, 383, 101-112.	1.8	55
43	Dipoles of the South East Madagascar Current. <i>Geophysical Research Letters</i> , 2013, 40, 558-562.	1.5	36
44	Anthropogenic impact on Agulhas leakage. <i>Geophysical Research Letters</i> , 2013, 40, 1138-1143.	1.5	71
45	The cryptic and the apparent reversed: lack of genetic differentiation within the morphologically diverse plexus of the planktonic foraminifer <i>Globigerinoides sacculifer</i> . <i>Paleobiology</i> , 2013, 39, 21-39.	1.3	85
46	Objective Detection of Oceanic Eddies and the Agulhas Leakage. <i>Journal of Physical Oceanography</i> , 2013, 43, 1426-1438.	0.7	124
47	Prevalence of strong bottom currents in the greater Agulhas system. <i>Geophysical Research Letters</i> , 2013, 40, 1772-1776.	1.5	16
49	Observations of an early Agulhas current retroflexion event in 2001: A temporary cessation of inter-ocean exchange south of Africa?. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 72, 1-8.	0.6	8
50	Observed and Modeled Global Ocean Turbulence Regimes as Deduced from Surface Trajectory Data. <i>Journal of Physical Oceanography</i> , 2013, 43, 2249-2269.	0.7	16
51	South Atlantic meridional fluxes. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 71, 21-32.	0.6	84
52	Influence of the Southern Annular Mode on Projected Weakening of the Atlantic Meridional Overturning Circulation. <i>Journal of Climate</i> , 2013, 26, 8017-8036.	1.2	3
53	Ocean Heat Transport. <i>International Geophysics</i> , 2013, , 759-785.	0.6	13
54	The control of the Southern Hemisphere Westerlies on the position of the Subtropical Front. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 5669-5675.	1.0	48
55	Western Boundary Currents. <i>International Geophysics</i> , 2013, , 305-338.	0.6	42

#	ARTICLE	IF	CITATIONS
56	Interocean and Interbasin Exchanges. <i>International Geophysics</i> , 2013, 103, 493-518.	0.6	8
57	Ocean Basin Geometry and the Salinification of the Atlantic Ocean. <i>Journal of Climate</i> , 2013, 26, 6163-6184.	1.2	33
58	Salinity Transport in the Florida Straits. <i>Journal of Atmospheric and Oceanic Technology</i> , 2013, 30, 971-983.	0.5	7
59	Characteristics of the ocean simulations in the Max Planck Institute Ocean Model (MPIOM) the ocean component of the MPI-Earth system model. <i>Journal of Advances in Modeling Earth Systems</i> , 2013, 5, 422-446.	1.3	574
60	Asynchronous marine-terrestrial signals of the last deglacial warming in East Asia associated with low- and high-latitude climate changes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9657-9662.	3.3	60
61	The Dynamical Subtropical Front. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 5676-5685.	1.0	57
62	Processes driving thunderstorms over the Agulhas Current. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2220-2228.	1.2	6
63	Impact of the Indonesian Throughflow on Agulhas leakage. <i>Ocean Science</i> , 2013, 9, 773-785.	1.3	24
64	Last Glacial Maximum world ocean simulations at eddy-permitting and coarse resolutions: do eddies contribute to a better consistency between models and palaeoproxies?. <i>Climate of the Past</i> , 2013, 9, 2669-2686.	1.3	6
65	Multi-Genetic Marker Approach and Spatio-Temporal Analysis Suggest There Is a Single Panmictic Population of Swordfish <i>Xiphias gladius</i> in the Indian Ocean. <i>PLoS ONE</i> , 2013, 8, e63558.	1.1	19
66	Agulhas ring formation as a barotropic instability of the retroflection. <i>Geophysical Research Letters</i> , 2013, 40, 5435-5438.	1.5	10
67	Holocene climate variability in the winter rainfall zone of South Africa. <i>Climate of the Past</i> , 2013, 9, 2347-2364.	1.3	39
68	Two sides of the same coin: extinctions and originations across the Atlantic/Indian Ocean boundary as consequences of the same climate oscillation. <i>Frontiers of Biogeography</i> , 2013, 5, .	0.8	5
69	Phylogeography of the Tropical Planktonic Foraminifera Lineage <i>Globigerinella</i> Reveals Isolation Inconsistent with Passive Dispersal by Ocean Currents. <i>PLoS ONE</i> , 2014, 9, e92148.	1.1	40
70	The iron budget in ocean surface waters in the 20th and 21st centuries: projections by the Community Earth System Model version 1. <i>Biogeosciences</i> , 2014, 11, 33-55.	1.3	37
71	Hydrographic changes in the Agulhas Recirculation Region during the late Quaternary. <i>Climate of the Past</i> , 2014, 10, 745-758.	1.3	8
72	An observed 20-year time series of Agulhas leakage. <i>Ocean Science</i> , 2014, 10, 601-609.	1.3	28
74	Assessing the stability of the Atlantic meridional overturning circulation of the past, present, and future. <i>Journal of Meteorological Research</i> , 2014, 28, 803-819.	0.9	9

#	ARTICLE	IF	CITATIONS
75	Indian Ocean Decadal Variability: A Review. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 1679-1703.	1.7	210
76	Impact of Agulhas Leakage on the Atlantic Overturning Circulation in the CCSM4. <i>Journal of Climate</i> , 2014, 27, 101-110.	1.2	46
77	Characteristics of the RAW-Filtered Leapfrog Time-Stepping Scheme in the Ocean General Circulation Model. <i>Monthly Weather Review</i> , 2014, 142, 434-447.	0.5	6
78	A New Model of Current Retroflexion Applied to the Westward Protrusion of the Agulhas Current. <i>Journal of Physical Oceanography</i> , 2014, 44, 3118-3138.	0.7	5
79	Aquarius sea surface salinity in the South Indian Ocean: Revealing annualâ€period planetary waves. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 3883-3908.	1.0	34
80	Multicentennial Agulhas leakage variability and links to North Atlantic climate during the past 80,000â€years. <i>Paleoceanography</i> , 2014, 29, 1238-1248.	3.0	30
81	Eddy properties in the Mozambique Channel: A comparison between observations and two numerical ocean circulation models. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2014, 100, 38-53.	0.6	137
82	Quantitative estimate of the paleoâ€Agulhas leakage. <i>Geophysical Research Letters</i> , 2014, 41, 1238-1246.	1.5	29
83	Paleoceanographic reconstruction of the western equatorial Atlantic during the last 40kyr. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 415, 14-20.	1.0	5
84	Spatio-Temporal Variability of the Eddy Kinetic Energy in the South Atlantic Ocean. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014, 11, 2010-2014.	1.4	4
85	Mesoscale eddy variability in the southern extension of the <sc>E</sc>ast <sc>M</sc>adagascar <sc>C</sc>urrent: Seasonal cycle, energy conversion terms, and eddy mean properties. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 7324-7356.	1.0	48
86	Longâ€term trends in the East Australian Current separation latitude and eddy driven transport. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 4351-4366.	1.0	116
87	Low-frequency thermohaline variability in the Subtropical South Atlantic pycnocline during 2002-2013. <i>Geophysical Research Letters</i> , 2014, 41, 6468-6475.	1.5	13
88	Links between southwestern tropical Indian Ocean SST and precipitation over southeastern Africa over the last 17kyr. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 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. <i>Ocean Dynamics</i> , 2014, 64, 1121-1136.	0.9	27
90	PLANKTONIC FORAMINIFERAL VARIATIONS IN THE SOUTHWESTERN ATLANTIC SINCE THE LAST GLACIAL-INTERGLACIAL CYCLE. <i>Palaos</i> , 2014, 29, 38-44.	0.6	17
91	Decoupling of the Agulhas Leakage from the Agulhas Current. <i>Journal of Physical Oceanography</i> , 2014, 44, 1776-1797.	0.7	69
92	Variation in palaeo-shorelines explains contemporary population genetic patterns of rocky shore species. <i>Biology Letters</i> , 2014, 10, 20140330.	1.0	39

#	ARTICLE	IF	CITATIONS
93	Anti-cyclonic eddy imprint on calcite geochemistry of several planktonic foraminiferal species in the Mozambique Channel. <i>Marine Micropaleontology</i> , 2014, 113, 20-33.	0.5	20
94	The Coherence and Impact of Meridional Heat Transport Anomalies in the Atlantic Ocean Inferred from Observations*. <i>Journal of Climate</i> , 2014, 27, 1469-1487.	1.2	21
95	Characterization of the last deglacial transition in tropical East Africa: Insights from Lake Albert. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 409, 1-8.	1.0	27
96	In situ measured current structures of the eddy field in the Mozambique Channel. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2014, 100, 10-26.	0.6	39
97	Remote Sensing of the African Seas. , 2014, , .		2
98	Pathways of the Agulhas waters poleward of 29°S. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 4234-4250.	1.0	15
99	Effects of midlatitude westerlies on the paleoproductivity at the Agulhas Bank slope during the penultimate glacial cycle: Evidence from coccolith Sr/Ca ratios. <i>Paleoceanography</i> , 2014, 29, 697-714.	3.0	13
100	Exceptional Agulhas leakage prolonged interglacial warmth during MIS 11c in Europe. <i>Paleoceanography</i> , 2014, 29, 1062-1071.	3.0	11
101	Role of mixed layer depth in surface frontogenesis: The Agulhas Return Current front. <i>Geophysical Research Letters</i> , 2014, 41, 2447-2453.	1.5	22
102	Southern Ocean eddy phenomenology. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 7413-7449.	1.0	129
103	Atlantic multi-decadal oscillation covaries with Agulhas leakage. <i>Nature Communications</i> , 2015, 6, 10082.	5.8	71
104	Southern Annular Mode and westerly wind-driven changes in Indian Atlantic exchange mechanisms. <i>Geophysical Research Letters</i> , 2015, 42, 4912-4921.	1.5	18
105	Salt exchange in the Indian Atlantic Ocean Gateway since the Last Glacial Maximum: A compensating effect between Agulhas Current changes and salinity variations?. <i>Paleoceanography</i> , 2015, 30, 1318-1327.	3.0	25
106	A daily global mesoscale ocean eddy dataset from satellite altimetry. <i>Scientific Data</i> , 2015, 2, 150028.	2.4	230
107	Biodiversity and distribution of leptocephali west of the Mascarene Plateau in the southwestern Indian Ocean. <i>Progress in Oceanography</i> , 2015, 137, 84-102.	1.5	16
108	Changing surface water conditions for the last 500 ka in the Southeast Atlantic: Implications for variable influences of Agulhas leakage and Benguela upwelling. <i>Paleoceanography</i> , 2015, 30, 1153-1167.	3.0	30
109	Interannual variability of South Equatorial Current bifurcation and western boundary currents along the Madagascar coast. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 8551-8570.	1.0	15
110	A new Eulerian method to estimate Agulhas leakage in climate models. <i>Geophysical Research Letters</i> , 2015, 42, 4532-4539.	1.5	10

#	ARTICLE	IF	CITATIONS
111	Coherent water transport across the South Atlantic. <i>Geophysical Research Letters</i> , 2015, 42, 4072-4079.	1.5	47
112	Characteristics, Energetics, and Origins of Agulhas Current Meanders and Their Limited Influence on Ring Shedding. <i>Journal of Physical Oceanography</i> , 2015, 45, 2294-2314.	0.7	51
113	Differences Among Subtropical Surface Salinity Patterns. <i>Oceanography</i> , 2015, 28, 32-39.	0.5	36
114	Increased aridity in southwestern Africa during the warmest periods of the last interglacial. <i>Climate of the Past</i> , 2015, 11, 1417-1431.	1.3	31
115	Tropical Atlantic Contributions to Strong Rainfall Variability Along the Northeast Brazilian Coast. <i>Advances in Meteorology</i> , 2015, 2015, 1-13.	0.6	37
116	Eddy characteristics in the South Indian Ocean as inferred from surface drifters. <i>Ocean Science</i> , 2015, 11, 361-371.	1.3	28
117	Saline Indian Ocean waters invaded the South Atlantic thermocline during glacial termination II. <i>Geology</i> , 2015, 43, 139-142.	2.0	18
118	Environmental characteristics of Agulhas rings affect interocean plankton transport. <i>Science</i> , 2015, 348, 1261-1267.	6.0	158
119	New ambrosia beetles (Coleoptera: Curculionidae: Platypodinae) from Miocene Mexican and Dominican ambers and their paleobiogeographical implications. <i>Organisms Diversity and Evolution</i> , 2015, 15, 527-542.	0.7	20
120	Madagascar corals track sea surface temperature variability in the Agulhas Current core region over the past 334 years. <i>Scientific Reports</i> , 2014, 4, 4393.	1.6	45
121	Southern Ocean control of glacial AMOC stability and Dansgaard-Oeschger interstadial duration. <i>Paleoceanography</i> , 2015, 30, 1595-1612.	3.0	55
122	Decadal Sea Level Variations in the Indian Ocean Investigated with HYCOM: Roles of Climate Modes, Ocean Internal Variability, and Stochastic Wind Forcing*. <i>Journal of Climate</i> , 2015, 28, 9143-9165.	1.2	54
123	Variability of the upwelling system in the southeastern Brazilian margin for the last 110,000 years. <i>Global and Planetary Change</i> , 2015, 135, 179-189.	1.6	26
124	An optimal XBT-based monitoring system for the South Atlantic meridional overturning circulation at 34°S. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 161-181.	1.0	17
125	Simulated South Atlantic transports and their variability during 1958–2007. <i>Ocean Modelling</i> , 2015, 91, 70-90.	1.0	4
126	Pacific western boundary currents and their roles in climate. <i>Nature</i> , 2015, 522, 299-308.	13.7	474
127	Late Pliocene upwelling in the Southern Benguela region. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 429, 62-71.	1.0	19
128	Forging Ahead By Land and By Sea: Archaeology and Paleoclimate Reconstruction in Madagascar. <i>African Archaeological Review</i> , 2015, 32, 267-299.	0.8	32

#	ARTICLE	IF	CITATIONS
129	Capturing the Transport Variability of a Western Boundary Jet: Results from the Agulhas Current Time-Series Experiment (ACT). <i>Journal of Physical Oceanography</i> , 2015, 45, 1302-1324.	0.7	109
130	Long-term observations of the East Madagascar Undercurrent. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 100, 64-78.	0.6	19
131	Oceanic fronts and jets around Japan: a review. <i>Journal of Oceanography</i> , 2015, 71, 469-497.	0.7	92
132	Potential of space-borne GNSS reflectometry to constrain simulations of the ocean circulation. <i>Ocean Dynamics</i> , 2015, 65, 1441-1460.	0.9	15
133	Glacial reduction and millennial-scale variations in Drake Passage throughflow. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13496-13501.	3.3	86
134	Studying an Agulhas ring's long-term pathway and decay with finite-time coherent sets. <i>Chaos</i> , 2015, 25, 083119.	1.0	31
135	Contribution of Increased Agulhas Leakage to Tropical Atlantic Warming. <i>Journal of Climate</i> , 2015, 28, 9697-9706.	1.2	42
136	Rapid longitudinal migrations of the filament front off Namibia (SE Atlantic) during the past 70 kyr. <i>Global and Planetary Change</i> , 2015, 125, 1-12.	1.6	11
137	Testing the alkenone D/H ratio as a paleo indicator of sea surface salinity in a coastal ocean margin (Mozambique Channel). <i>Organic Geochemistry</i> , 2015, 78, 62-68.	0.9	25
138	On the stability of the Atlantic meridional overturning circulation during the last deglaciation. <i>Climate Dynamics</i> , 2015, 44, 1257-1275.	1.7	19
139	Significant Atmospheric Boundary Layer Change Observed above an Agulhas Current Warm Cored Eddy. <i>Advances in Meteorology</i> , 2016, 2016, 1-7.	0.6	14
140	Lagrangian statistics of mesoscale turbulence in a natural environment: The Agulhas return current. <i>Physical Review E</i> , 2016, 94, 063101.	0.8	10
141	Holocene paleo-climatic record from the South African Namaqualand mudbelt: A source to sink approach. <i>Quaternary International</i> , 2016, 404, 121-135.	0.7	25
142	Defining coherent vortices objectively from the \hat{A} vorticity. <i>Journal of Fluid Mechanics</i> , 2016, 795, 136-173.	1.4	238
143	Inter-comparison studies between high-resolution HYCOM simulation and observational data: The South Atlantic and the Agulhas leakage system. <i>Journal of Marine Systems</i> , 2016, 159, 76-88.	0.9	8
144	Indices based on silicoflagellate assemblages offer potential for paleo-reconstructions of the main oceanographic zones of the Southern Ocean. <i>Geo-Marine Letters</i> , 2016, 36, 271-280.	0.5	9
145	“Hot Spots” in the Climate System. , 2016, , .		1
146	Performance analysis of SAR image denoising using scaling exponent estimator. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
147	Quantifying Agulhas Leakage in a High-Resolution Climate Model. <i>Journal of Climate</i> , 2016, 29, 6881-6892.	1.2	25
148	Importance of Midlatitude Oceanic Frontal Zones for the Annular Mode Variability: Interbasin Differences in the Southern Annular Mode Signature. <i>Journal of Climate</i> , 2016, 29, 6179-6199.	1.2	18
149	Impact of slowdown of Atlantic overturning circulation on heat and freshwater transports. <i>Geophysical Research Letters</i> , 2016, 43, 7625-7631.	1.5	12
150	Oceanic eddy detection and lifetime forecast using machine learning methods. <i>Geophysical Research Letters</i> , 2016, 43, 12,234.	1.5	39
151	Observations of the vertical and temporal evolution of a <sc>N</sc>atal <sc>P</sc>ulse along the <sc>E</sc>astern <sc>A</sc>gulhas <sc>B</sc>ank. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 7108-7122.	1.0	8
152	The East Madagascar Current: Volume Transport and Variability Based on Long-Term Observations. <i>Journal of Physical Oceanography</i> , 2016, 46, 1045-1065.	0.7	16
153	What is Still Bay? Human biogeography and bifacial point variability. <i>Journal of Human Evolution</i> , 2016, 97, 58-72.	1.3	50
154	Frontolysis by surface heat flux in the Agulhas Return Current region with a focus on mixed layer processes: observation and a high-resolution CGCM. <i>Climate Dynamics</i> , 2016, 47, 3993-4007.	1.7	10
155	Sea surface salinity variability in the Agulhas Current region inferred from SMOS and Aquarius. <i>Remote Sensing of Environment</i> , 2016, 180, 440-452.	4.6	13
156	Evolutionary prospection in the Neogene planktic foraminifer <i>Globorotalia menardii</i> and related forms from ODP Hole 925B (Ceara Rise, western tropical Atlantic): evidence for gradual evolution superimposed by long distance dispersal?. <i>Swiss Journal of Palaeontology</i> , 2016, 135, 205-248.	0.7	11
157	Stability of Baroclinic Vortices on the \hat{I}^2 Plane and Implications for Transport. <i>Journal of Physical Oceanography</i> , 2016, 46, 3245-3262.	0.7	0
158	Deep circulation changes in the South Atlantic since the Last Glacial Maximum from Nd isotope and multi-proxy records. <i>Earth and Planetary Science Letters</i> , 2016, 434, 18-29.	1.8	24
159	From global to regional and back again: common climate stressors of marine ecosystems relevant for adaptation across five ocean warming hotspots. <i>Global Change Biology</i> , 2016, 22, 2038-2053.	4.2	81
160	The Influence of Periodic Forcing on the Time Dependence of Western Boundary Currents: Phase Locking, Chaos, and Mechanisms of Low-Frequency Variability. <i>Journal of Physical Oceanography</i> , 2016, 46, 1117-1136.	0.7	3
161	Agulhas Current Influence on the Shelf Dynamics of the KwaZulu-Natal Bight. <i>Journal of Physical Oceanography</i> , 2016, 46, 1323-1338.	0.7	10
162	Spatial characterisation of the Benguela ecosystem for ecosystem-based management. <i>African Journal of Marine Science</i> , 2016, 38, 7-22.	0.4	41
163	Modulation of SST Interannual Variability in the Agulhas Leakage Region Associated with ENSO. <i>Journal of Climate</i> , 2016, 29, 7089-7102.	1.2	38
164	Ocean currents respond to climate change in unexpected ways. <i>Physics Today</i> , 2017, 70, 17-18.	0.3	4

#	ARTICLE	IF	CITATIONS
165	Forecasting long-lived Lagrangian vortices from their objective Eulerian footprints. <i>Journal of Fluid Mechanics</i> , 2017, 813, 436-457.	1.4	13
166	Submesoscale cyclones in the Agulhas current. <i>Geophysical Research Letters</i> , 2017, 44, 346-354.	1.5	37
167	Middepth decadal warming and freshening in the South Atlantic. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 973-979.	1.0	13
168	A critical comparison of Lagrangian methods for coherent structure detection. <i>Chaos</i> , 2017, 27, 053104.	1.0	142
169	Spatio-temporal characteristics of Agulhas leakage: a model inter-comparison study. <i>Climate Dynamics</i> , 2017, 48, 2107-2121.	1.7	14
170	Assessment of marine weather forecasts over the Indian sector of Southern Ocean. <i>Polar Science</i> , 2017, 13, 1-12.	0.5	0
171	<i>Calanoides natalis</i> Brady, 1914 (Copepoda: Calanoida: Calanidae): identity and distribution in relation to coastal oceanography of the eastern Atlantic and western Indian Oceans. <i>Journal of Natural History</i> , 2017, 51, 807-836.	0.2	11
172	Biogeochemical and ecological impacts of boundary currents in the Indian Ocean. <i>Progress in Oceanography</i> , 2017, 156, 290-325.	1.5	65
173	A new look at ocean ventilation time scales and their uncertainties. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 3771-3798.	1.0	27
174	The floating <i>Sargassum</i> (Phaeophyceae) of the South Atlantic Ocean – likely scenarios. <i>Phycologia</i> , 2017, 56, 321-328.	0.6	85
175	Phytoplankton and nutrient dynamics of six South West Indian Ocean seamounts. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 136, 59-72.	0.6	21
176	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
177	Pelagic bioregionalisation using open-access data for better planning of marine protected area networks. <i>Ocean and Coastal Management</i> , 2017, 148, 214-230.	2.0	22
178	Enhanced $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ Differences Between the South Atlantic and South Pacific During the Last Glaciation: The Deep Gateway Hypothesis. <i>Paleoceanography</i> , 2017, 32, 1000-1017.	3.0	28
179	A late Quaternary record of seasonal sea surface temperatures off southern Africa. <i>Quaternary Science Reviews</i> , 2017, 171, 73-84.	1.4	10
180	Modulation of the Agulhas Current Retroflexion and Leakage by Oceanic Current Interaction with the Atmosphere in Coupled Simulations. <i>Journal of Physical Oceanography</i> , 2017, 47, 2077-2100.	0.7	56
181	Impacts of Agulhas Leakage on the Tropical Atlantic Western Boundary Systems. <i>Journal of Climate</i> , 2017, 30, 6645-6659.	1.2	13
182	CO ₂ fluxes in the South African coastal region. <i>Marine Chemistry</i> , 2017, 195, 41-49.	0.9	8

#	ARTICLE	IF	CITATIONS
183	The land-sea interface: A source of high-quality phytoplankton to support secondary production. <i>Limnology and Oceanography</i> , 2017, 62, S258.	1.6	53
184	Will high-resolution global ocean models benefit coupled predictions on short-range to climate timescales?. <i>Ocean Modelling</i> , 2017, 120, 120-136.	1.0	79
185	Frontogenesis in the Agulhas Return Current Region Simulated by a High-Resolution CGCM. <i>Journal of Physical Oceanography</i> , 2017, 47, 2691-2710.	0.7	10
186	Typhoon induced summer cold shock advected by Kuroshio off eastern Taiwan. <i>Ocean Modelling</i> , 2017, 109, 1-10.	1.0	4
187	Atlantic deep water provenance decoupled from atmospheric CO ₂ concentration during the lukewarm interglacials. <i>Nature Communications</i> , 2017, 8, 2003.	5.8	16
188	Importance of monitoring the Greater Agulhas Current and its inter-ocean exchanges using large mooring arrays. <i>South African Journal of Science</i> , 2017, 113, 7.	0.3	10
189	Predominant Atmospheric and Oceanic Patterns during Coastal Marine Heatwaves. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	36
190	Three distinct Holocene intervals of stalagmite deposition and nondeposition revealed in NW Madagascar, and their paleoclimate implications. <i>Climate of the Past</i> , 2017, 13, 1771-1790.	1.3	23
191	Freshening of Antarctic Intermediate Water in the South Atlantic Ocean in 2005-2014. <i>Ocean Science</i> , 2017, 13, 521-530.	1.3	10
192	Seafloor morphology in the Mozambique Channel: evidence for long-term persistent bottom-current flow and deep-reaching eddy activity. <i>Marine Geophysical Researches</i> , 2017, 38, 241-269.	0.5	42
193	Observed Agulhas Current sensitivity to interannual and long-term trend atmospheric forcings. <i>Journal of Climate</i> , 0, .	1.2	10
194	Mesoscale and Submesoscale Processes in the Southeast Atlantic and Their Impact on the Regional Thermohaline Structure. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 1937-1961.	1.0	16
195	On the influence of Subtropical Mode Water on the South Atlantic Ocean. <i>Journal of Marine Systems</i> , 2018, 185, 13-24.	0.9	25
196	Assessing the accuracy of satellite derived ocean currents by comparing observed and virtual buoys in the Greater Agulhas Region. <i>Remote Sensing of Environment</i> , 2018, 216, 735-746.	4.6	20
197	Oceanographic and climatic evolution of the southeastern subtropical Atlantic over the last 3.5 Ma. <i>Earth and Planetary Science Letters</i> , 2018, 492, 12-21.	1.8	18
198	A multiproxy study of the ocean-atmospheric forcing and the impact of sea-level changes on the southern Cape coast, South Africa during the Holocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 496, 282-291.	1.0	16
199	Shifts in the abundance and distribution of shallow water fish fauna on the southeastern Brazilian coast: a response to climate change. <i>Hydrobiologia</i> , 2018, 814, 205-218.	1.0	34
200	The Shallow Overturning Circulation in the Indian Ocean. <i>Journal of Physical Oceanography</i> , 2018, 48, 413-434.	0.7	27

#	ARTICLE	IF	CITATIONS
201	Surface Connectivity and Interoccean Exchanges From Drifter-Based Transition Matrices. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 514-532.	1.0	29
202	Factors maintaining the identity of mesoplankton communities: cool evidence from the Drake Passage. <i>Hydrobiologia</i> , 2018, 809, 221-232.	1.0	11
203	Simulating the Agulhas system in global ocean models – nesting vs. multi-resolution unstructured meshes. <i>Ocean Modelling</i> , 2018, 121, 117-131.	1.0	22
204	An extended transfer operator approach to identify separatrices in open flows. <i>Chaos</i> , 2018, 28, 053101.	1.0	2
205	Atlantic-Pacific Asymmetry in Deep Water Formation. <i>Annual Review of Earth and Planetary Sciences</i> , 2018, 46, 327-352.	4.6	68
206	Eddy Diffusivity Estimates from Lagrangian Trajectories Simulated with Ocean Models and Surface Drifter Data – A Case Study for the Greater Agulhas System. <i>Journal of Physical Oceanography</i> , 2018, 48, 175-196.	0.7	14
207	Model bias for South Atlantic Antarctic intermediate water in CMIP5. <i>Climate Dynamics</i> , 2018, 50, 3613-3624.	1.7	9
208	Atmospheric bromoform at Cape Point, South Africa: an initial fixed-point data set on the African continent. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 5785-5797.	1.9	2
209	A statistical significance test for sea-level variability. <i>Dynamics and Statistics of the Climate System</i> , 2018, 3, .	0.8	4
210	Anticyclonic Eddies Connecting the Western Boundaries of Indian and Atlantic Oceans. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 7651-7677.	1.0	75
211	Influence of ENSO Events on the Agulhas Leakage Region. <i>Remote Sensing in Earth Systems Sciences</i> , 2018, 1, 79-88.	1.1	18
212	The Impact of Agulhas Leakage on the Central Water Masses in the Benguela Upwelling System From A High-Resolution Ocean Simulation. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 9416-9428.	1.0	12
213	Seasonal Phasing of Agulhas Current Transport Tied to a Baroclinic Adjustment of Near-Field Winds. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 7067-7083.	1.0	20
214	SIDDIES Corridor: A Major East-West Pathway of Long-Lived Surface and Subsurface Eddies Crossing the Subtropical South Indian Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 5406-5425.	1.0	32
215	Warming in the Agulhas Region during the Global Surface Warming Acceleration and Slowdown. <i>Scientific Reports</i> , 2018, 8, 13452.	1.6	2
216	Reassessing the Role of the Indo-Pacific in the Ocean's Global Overturning Circulation. <i>Geophysical Research Letters</i> , 2018, 45, 12,422.	1.5	21
217	Moored observations of mesoscale features in the Cape Basin: characteristics and local impacts on water mass distributions. <i>Ocean Science</i> , 2018, 14, 923-945.	1.3	15
218	Interannual Agulhas Leakage Variability and Its Regional Climate Imprints. <i>Journal of Climate</i> , 2018, 31, 10105-10121.	1.2	16

#	ARTICLE	IF	CITATIONS
219	Late Quaternary climate change in the north-eastern highlands of Ethiopia: A high resolution 15,600 year diatom and pigment record from Lake Hayk. <i>Quaternary Science Reviews</i> , 2018, 202, 166-181.	1.4	10
220	Material barriers to diffusive and stochastic transport. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9074-9079.	3.3	46
221	Variations in Remotely-Sensed Phytoplankton Size Structure of a Cyclonic Eddy in the Southwest Indian Ocean. <i>Remote Sensing</i> , 2018, 10, 1143.	1.8	4
222	Signature of the Agulhas Current in high resolution satellite derived wind fields. <i>Remote Sensing of Environment</i> , 2018, 217, 340-351.	4.6	9
223	A 550,000-year record of East Asian monsoon rainfall from ^{10}Be in loess. <i>Science</i> , 2018, 360, 877-881.	6.0	183
224	A metric for surface heat flux effect on horizontal sea surface temperature gradients. <i>Climate Dynamics</i> , 2018, 51, 547-561.	1.7	17
225	Decadal change of the south Atlantic ocean Angola-Benguela frontal zone since 1980. <i>Climate Dynamics</i> , 2018, 51, 3251-3273.	1.7	15
226	Climate trends across South Africa since 1980. <i>Water S A</i> , 2018, 44, .	0.2	15
227	Using an eddy-tracking algorithm to understand the impact of assimilating altimetry data on the eddy characteristics of the Agulhas system. <i>Ocean Dynamics</i> , 2018, 68, 1071-1091.	0.9	9
228	South Atlantic Subtropical Gyre Late Twentieth Century Changes. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 5194-5209.	1.0	20
229	Forcing of late Pleistocene ice volume by spatially variable summer energy. <i>Scientific Reports</i> , 2018, 8, 11520.	1.6	1
230	Distinct Oceanic Microbiomes From Viruses to Protists Located Near the Antarctic Circumpolar Current. <i>Frontiers in Microbiology</i> , 2018, 9, 1474.	1.5	23
231	Upper layer diapycnal mixing and nutrient flux in the subtropical frontal region of the Indian sector of the Southern Ocean. <i>Journal of Marine Systems</i> , 2018, 187, 197-205.	0.9	9
232	Agulhas Current properties shape microbial community diversity and potential functionality. <i>Scientific Reports</i> , 2018, 8, 10542.	1.6	12
233	Kelps™ Long-Distance Dispersal: Role of Ecological/Oceanographic Processes and Implications to Marine Forest Conservation. <i>Diversity</i> , 2018, 10, 11.	0.7	34
234	Role of El Niño Southern Oscillation (ENSO) Events on Temperature and Salinity Variability in the Agulhas Leakage Region. <i>Remote Sensing</i> , 2018, 10, 127.	1.8	5
235	Atlantic Meridional Overturning Circulation at 14.5°N in 1989 and 2013 and 24.5°N in 1992 and 2015: volume, heat, and freshwater transports. <i>Ocean Science</i> , 2018, 14, 589-616.	1.3	14
236	Interannual Eddy Kinetic Energy Modulations in the Agulhas Return Current. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 6449-6462.	1.0	19

#	ARTICLE	IF	CITATIONS
237	Agulhas Ring Transport Efficiency From Combined Satellite Altimetry and Argo Profiles. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 5874-5888.	1.0	23
238	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
239	Multidecadal Changes of the Upper Indian Ocean Heat Content during 1965–2016. <i>Journal of Climate</i> , 2018, 31, 7863-7884.	1.2	53
240	The last 1 million years of the extinct genus <i>Discoaster</i> : Pliocene–Pleistocene environment and productivity at Site U1476 (Mozambique Channel). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 505, 187-197.	1.0	10
241	The Provenance of Terrigenous Components in Marine Sediments Along the East Coast of Southern Africa. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 1946-1962.	1.0	13
242	Global Perspectives on Observing Ocean Boundary Current Systems. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	39
243	Lagrangian Views of the Pathways of the Atlantic Meridional Overturning Circulation. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 5313-5335.	1.0	68
244	Stability of the Atlantic Meridional Overturning Circulation: A Review and Synthesis. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 5336-5375.	1.0	109
245	The upper, deep, abyssal and overturning circulation in the Atlantic Ocean at 30°S in 2003 and 2011. <i>Progress in Oceanography</i> , 2019, 176, 102136.	1.5	21
246	Tracking Spread of the Agulhas Leakage Into the Western South Atlantic and Its Northward Transmission During the Last Interglacial. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1744-1760.	1.3	9
247	Generation of Submesoscale Frontal Eddies in the Agulhas Current. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 7606-7625.	1.0	29
248	The Surface Pathways of the South Atlantic: Revisiting the Cold and Warm Water Routes Using Observational Data. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 7082-7103.	1.0	9
249	Lagrangian Evolution of Two Madagascar Cyclonic Eddies: Geometric Properties, Vertical Structure, and Fluxes. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 8193-8218.	1.0	3
250	Submesoscale Impacts on Mesoscale Agulhas Dynamics. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 2745-2767.	1.3	19
251	Hydrography of a shelf ecosystem inshore of a major Western Boundary Current. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 228, 106363.	0.9	13
252	Precision in Biostratigraphy: Evidence For a Temporary Flow Reversal in the Central American Seaway During Or After the Oligocene-miocene Transition. <i>Journal of Foraminiferal Research</i> , 2019, 49, 357-366.	0.1	5
253	Kinetic Energy of Eddy-Like Features From Sea Surface Altimetry. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 3090-3105.	1.3	23
254	The INALT family – a set of high-resolution nests for the Agulhas Current system within global NEMO ocean/sea-ice configurations. <i>Geoscientific Model Development</i> , 2019, 12, 3329-3355.	1.3	30

#	ARTICLE	IF	CITATIONS
255	Heat and Freshwater Transport by Mesoscale Eddies in the Southern Subpolar North Atlantic. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 5565-5585.	1.0	12
256	Cold vs. warm water route “sources for the upper limb of the Atlantic Meridional Overturning Circulation revisited in a high-resolution ocean model. <i>Ocean Science</i> , 2019, 15, 489-512.	1.3	51
257	Investigating the relationship between volume transport and sea surface height in a numerical ocean model. <i>Ocean Science</i> , 2019, 15, 513-526.	1.3	0
258	The Use of a Jet Reference Frame to Analyze Drifter Trajectories in the Agulhas Current. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 4238-4247.	1.0	0
259	Previously unidentified Indonesian Throughflow pathways and freshening in the Indian Ocean during recent decades. <i>Scientific Reports</i> , 2019, 9, 7364.	1.6	24
260	Temporal distribution and diversity of cold-water corals in the southwest Indian Ocean over the past 25,000 years. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2019, 149, 103049.	0.6	5
261	Seasonal Variability of Retroflection Structures and Transports in the Atlantic Ocean as Inferred from Satellite-Derived Salinity Maps. <i>Remote Sensing</i> , 2019, 11, 802.	1.8	4
262	Investigating the connection between metocean conditions and coastal user safety: An analysis of search and rescue data. <i>Safety Science</i> , 2019, 117, 217-228.	2.6	13
263	Markov-chain-inspired search for MH370. <i>Chaos</i> , 2019, 29, 041105.	1.0	16
264	Agulhas Current. , 2019, , 236-247.		0
265	Multi-trace-element sea surface temperature coral reconstruction for the southern Mozambique Channel reveals teleconnections with the tropical Atlantic. <i>Biogeosciences</i> , 2019, 16, 695-712.	1.3	12
266	Southwest Pacific Vertical Structure Influences on Oceanic Carbon Storage Since the Last Glacial Maximum. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 734-754.	1.3	12
267	Role of Indian Ocean Dynamics on Accumulation of Buoyant Debris. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 2571-2590.	1.0	48
268	Seasonal variability and long-term trends of the surface and subsurface circulation features in the Equatorial Indian Ocean. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 810.	1.3	4
269	Interannual Variability of the Natal Pulse. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 9258-9276.	1.0	5
270	Glacial Indonesian Throughflow weakening across the Mid-Pleistocene Climatic Transition. <i>Scientific Reports</i> , 2019, 9, 16995.	1.6	44
271	Role of Kuroshio Current in fish resource variability off southwest Japan. <i>Scientific Reports</i> , 2019, 9, 17942.	1.6	7
272	Spin-up of the Southern Hemisphere Super Gyre. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 154-170.	1.0	39

#	ARTICLE	IF	CITATIONS
273	A New Seismic Stratigraphy in the Indian Atlantic Ocean Gateway Resembles Major Paleooceanographic Changes of the Last 7Ma. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 339-358.	1.0	9
274	Investigating the 8.2 ka event in northwestern Madagascar: Insight from data-model comparisons. <i>Quaternary Science Reviews</i> , 2019, 204, 172-186.	1.4	22
275	Global Meridional Overturning Circulation Inferred From a Data-Constrained Ocean & Sea-Ice Model. <i>Geophysical Research Letters</i> , 2019, 46, 1521-1530.	1.5	19
276	Plankton distribution within a young cyclonic eddy off south-western Madagascar. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2019, 166, 141-150.	0.6	18
277	Spatial variability in dissolved iron concentrations in the marginal and open waters of the Indian Ocean. <i>Marine Chemistry</i> , 2019, 208, 11-28.	0.9	45
278	Long-Term Trends in Phytoplankton Chlorophyll <i>a</i> and Size Structure in the Benguela Upwelling System. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 1170-1195.	1.0	28
279	Biogeochemical proxies and diatoms in surface sediments across the Drake Passage reflect oceanic domains and frontal systems in the region. <i>Progress in Oceanography</i> , 2019, 174, 72-88.	1.5	16
280	Atlantic salinity budget in response to Northern and Southern Hemisphere ice sheet discharge. <i>Climate Dynamics</i> , 2019, 52, 5249-5267.	1.7	15
281	Subtropical sea surface salinity maxima in the South Indian Ocean. <i>Journal of Oceanology and Limnology</i> , 2020, 38, 16-29.	0.6	10
282	Characterisation of seafloor substrate using advanced processing of multibeam bathymetry, backscatter, and sidescan sonar in Table Bay, South Africa. <i>Marine Geology</i> , 2020, 429, 106332.	0.9	26
283	The relationship between coastal sea level variability in South Africa and the Agulhas Current. <i>Journal of Marine Systems</i> , 2020, 211, 103422.	0.9	5
284	Variations in coccolithophore productivity off South Africa over the last 500 kyr. <i>Marine Micropaleontology</i> , 2020, 160, 101909.	0.5	3
285	Production and Fate of the South Atlantic Subtropical Underwater. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016309.	1.0	5
286	OPEN: A New Estimation of Global Ocean Heat Content for Upper 2000 Meters from Remote Sensing Data. <i>Remote Sensing</i> , 2020, 12, 2294.	1.8	30
287	Sensitivity of the Atlantic Meridional Overturning Circulation to Model Resolution in CMIP6 HighResMIP Simulations and Implications for Future Changes. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002014.	1.3	59
288	A late Pleistocene dataset of Agulhas Current variability. <i>Scientific Data</i> , 2020, 7, 385.	2.4	6
289	Interannual Variability of the South Atlantic Ocean Heat Content in a High-Resolution Versus a Low-Resolution General Circulation Model. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089908.	1.5	4
290	Changes in Antarctic Bottom Water Formation During Interglacial Periods. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2020PA003867.	1.3	7

#	ARTICLE	IF	CITATIONS
291	Climate Variability Diagnosed from the Spherical Coordinates. , 2020, , 17-59.		0
292	Routes of the Upper Branch of the Atlantic Meridional Overturning Circulation according to an Ocean State Estimate. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089137.	1.5	12
293	Agulhas Ring Heat Content and Transport in the South Atlantic Estimated by Combining Satellite Altimetry and Argo Profiling Floats Data. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015511.	1.0	18
294	Impacts of the Indian Ocean Dipole on Sea Level and Gyre Circulation of the Western Tropical Pacific Ocean. <i>Journal of Climate</i> , 2020, 33, 4207-4228.	1.2	16
295	Eddies in the Hawaiian Archipelago Region: Formation, Characterization, and Potential Implications on Larval Retention of Reef Fish. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015348.	1.0	10
296	Observation of a mesoscale eddy dipole on the northern Madagascar Ridge: Consequences for the circulation and hydrography in the vicinity of a seamount. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 176, 104815.	0.6	9
297	Antarctic Circumpolar Current Dynamics at the Pacific Entrance to the Drake Passage Over the Past 1.3 Million Years. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003773.	1.3	23
298	Tendencies, variability and persistence of sea surface temperature anomalies. <i>Scientific Reports</i> , 2020, 10, 7986.	1.6	60
299	Effects of swimming behaviour and oceanography on sea turtle hatchling dispersal at the intersection of two ocean current systems. <i>Ecological Modelling</i> , 2020, 431, 109130.	1.2	17
300	Vortexâ€‘wall interaction on the $\langle i \rangle^2$ -plane and the generation of deep submesoscale cyclones by internal Kelvin Wavesâ€‘current interactions. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2020, 114, 588-606.	0.4	4
301	A New Improved Estimation of Agulhas Leakage Using Observations and Simulations of Lagrangian Floats and Drifters. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015753.	1.0	19
302	Biogeography of pelagic calanoid copepods in the Western Indian Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 179, 104740.	0.6	2
303	Eddyâ€‘Driven Crossâ€‘Shelf Transport in the East Australian Current Separation Zone. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015613.	1.0	31
304	Ocean circulation causes the largest freshening event for 120 years in eastern subpolar North Atlantic. <i>Nature Communications</i> , 2020, 11, 585.	5.8	142
305	Global warming hiatus contributed weakening of the Mascarene High in the Southern Indian Ocean. <i>Scientific Reports</i> , 2020, 10, 3255.	1.6	16
306	The physical oceanography of the transport of floating marine debris. <i>Environmental Research Letters</i> , 2020, 15, 023003.	2.2	469
307	Holocene variability in climate and oceanic conditions in the winter rainfall zone of South Africaâ€‘inferred from a high resolution diatom record from Verlorenvlei. <i>Journal of Quaternary Science</i> , 2020, 35, 572-581.	1.1	8
308	Spatial variation in stable isotopes and fatty acid trophic markers in albacore tuna (<i>Thunnus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2020, 161, 103286.	0.6	4

#	ARTICLE	IF	CITATIONS
309	Evolutionary origin of the Atlantic Cabo Verde nibbler (<i>Girella stuebeli</i>), a member of a primarily Pacific Ocean family of antitropical herbivorous reef fishes. <i>Molecular Phylogenetics and Evolution</i> , 2021, 156, 107021.	1.2	5
310	Spatial and temporal variability of the Agulhas Retroflection: Observations from a new objective detection method. <i>Remote Sensing of Environment</i> , 2021, 253, 112239.	4.6	9
311	Variations in deep water masses along the western margin of South Africa, spanning the last two glacial terminations. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 562, 110148.	1.0	5
312	Three-dimensional modelling of the circulation in False Bay, South Africa. <i>African Journal of Marine Science</i> , 2021, 43, 95-118.	0.4	0
313	Surface Currents and Significant Wave Height Gradients: Matching Numerical Models and High-Resolution Altimeter Wave Heights in the Agulhas Current Region. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016564.	1.0	15
315	Radium-228-derived ocean mixing and trace element inputs in the South Atlantic. <i>Biogeosciences</i> , 2021, 18, 1645-1671.	1.3	6
316	Indonesian Throughflow variability over the last two glacial-interglacial cycles: Evidence from the eastern Indian Ocean. <i>Quaternary Science Reviews</i> , 2021, 256, 106839.	1.4	4
317	Is the Surface Salinity Difference between the Atlantic and Indo-Pacific a Signature of the Atlantic Meridional Overturning Circulation?. <i>Journal of Physical Oceanography</i> , 2021, 51, 769-787.	0.7	3
318	Observations of northeastward flow on a narrow shelf dominated by the Agulhas Current. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 251, 107197.	0.9	4
319	Ocean eddies strongly affect global mean sea-level projections. <i>Science Advances</i> , 2021, 7, .	4.7	18
320	Interannual variability in the subduction of the South Atlantic subtropical underwater. <i>Climate Dynamics</i> , 2021, 57, 1061-1077.	1.7	2
321	Global phylogeography of sailfish: deep evolutionary lineages with implications for fisheries management. <i>Hydrobiologia</i> , 2021, 848, 3883-3904.	1.0	1
322	Meridional changes in the South Atlantic Subtropical Gyre during Heinrich Stadials. <i>Scientific Reports</i> , 2021, 11, 9419.	1.6	5
323	Strong glacial-interglacial variability in upper ocean hydrodynamics, biogeochemistry, and productivity in the southern Indian Ocean. <i>Communications Earth & Environment</i> , 2021, 2, .	2.6	8
324	Monitoring the Greater Agulhas Current With AIS Data Information. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017228.	1.0	4
325	Investigating the Response of Temperature and Salinity in the Agulhas Current Region to ENSO Events. <i>Remote Sensing</i> , 2021, 13, 1829.	1.8	9
326	A 25,000 year record of climate and vegetation change from the southwestern Cape coast, South Africa. <i>Quaternary Research</i> , 0, , 1-18.	1.0	5
327	Global phylogeography of the smooth hammerhead shark: Glacial refugia and historical migration patterns. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2021, 31, 2348-2368.	0.9	6

#	ARTICLE	IF	CITATIONS
328	Orbital- and millennial-scale Antarctic Circumpolar Current variability in Drake Passage over the past 140,000 years. <i>Nature Communications</i> , 2021, 12, 3948.	5.8	28
329	Analysis of rainfall variability over Tanzania in late austral summer. <i>Atmospheric and Oceanic Science Letters</i> , 2021, 14, 100049.	0.5	4
330	Expedition 383 summary. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	2
331	Latitudinal Migrations of the Subtropical Front at the Agulhas Plateau Through the Mid-Pleistocene Transition. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004084.	1.3	11
332	Wood Charcoal from Border Cave's Member 1RGS: Evidence for the Environment and Plant Use During MIS 5. <i>African Archaeological Review</i> , 0, , 1.	0.8	9
333	An Image-Based Framework for Ocean Feature Detection and Analysis. <i>Journal of Geovisualization and Spatial Analysis</i> , 2021, 5, 1.	2.1	5
334	Marine heatwaves in the Mozambique Channel. <i>Climate Dynamics</i> , 2022, 58, 305-327.	1.7	12
335	Os and 1s in marine molecular research: a regional HPC perspective. <i>GigaScience</i> , 2021, 10, .	3.3	19
336	Characteristics and robustness of Agulhas leakage estimates: an inter-comparison study of Lagrangian methods. <i>Ocean Science</i> , 2021, 17, 1067-1080.	1.3	12
337	Oceanic fronts and jets around Japan: a review. , 2016, , 1-30.		7
338	Thermal Infrared Remote Sensing and Sea Surface Temperature of Marine and Coastal Waters Around Africa. , 2014, , 55-73.		4
339	Impacts of Basin-Scale Climate Modes on Coastal Sea Level: a Review. <i>Surveys in Geophysics</i> , 2019, 40, 1493-1541.	2.1	50
341	Indian Ocean Variability and Interactions. , 2020, , 153-185.		2
342	Reconstruction of Three-Dimensional Ocean Structure From Sea Surface Data: An Application of isQG Method in the Southwest Indian Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016351.	1.0	15
343	A Road Map to IndOOS-2: Better Observations of the Rapidly Warming Indian Ocean. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1891-E1913.	1.7	48
344	Vertical Structure of the Upper Indian Ocean Thermal Variability. <i>Journal of Climate</i> , 2020, 33, 7233-7253.	1.2	12
345	Mixing of Subtropical, Central, and Intermediate Waters Driven by Shifting and Pulsing of the Agulhas Current. <i>Journal of Physical Oceanography</i> , 2020, 50, 3545-3560.	0.7	15
347	Expedition 361 summary. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	14

#	ARTICLE	IF	CITATIONS
349	Patterns of long-term climate variability and predation rates by a marine apex predator, the white shark <i>Carcharodon carcharias</i> . <i>Marine Ecology - Progress Series</i> , 2018, 587, 129-139.	0.9	8
351	Paleo Agulhas rings enter the subtropical gyre during the penultimate deglaciation. <i>Climate of the Past</i> , 2013, 9, 2631-2639.	1.3	13
358	Sea surface salinity and temperature in the southern Atlantic Ocean from South African icebreakers, 2010â€”2017. <i>Earth System Science Data</i> , 2018, 10, 1227-1236.	3.7	8
361	Effects of inconsistent reporting, regulation changes and market demand on abundance indices of sharks caught by pelagic longliners off southern Africa. <i>PeerJ</i> , 2018, 6, e5726.	0.9	2
362	Oceanographic anomalies coinciding with humpback whale super-group occurrences in the Southern Benguela. <i>Scientific Reports</i> , 2021, 11, 20896.	1.6	8
364	The Agulhas System as a Key Region of the Global Oceanic Circulation. , 2013, , 407-414.		0
365	The Agulhas System in a Global Context. , 2013, , 569-576.		0
366	Observing the Agulhas Current With Sea Surface Temperature and Altimetry Data: Challenges and Perspectives. , 2014, , 233-249.		0
368	Site U1479. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	1
369	Monitoring and Interpreting Mid-Latitude Oceans by Satellite Altimetry. , 2017, , 211-230.		1
370	Dissolved iron cycling in the Arabian Sea and sub-tropical gyre region of the Indian Ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 317, 325-348.	1.6	18
371	Where and How the East Madagascar Current Retroflexion Originates?. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016203.	1.0	2
372	Detection of evolving Lagrangian coherent structures: A multiple object tracking approach. <i>Physical Review Fluids</i> , 2020, 5, .	1.0	3
373	On star-convex volumes in 2-D hydrodynamical flows and their relevance for coherent transport. <i>Chaos</i> , 2020, 30, 123147.	1.0	0
374	The Impact of Meanders, Deepening and Broadening, and Seasonality on Agulhas Current Temperature Variability. <i>Journal of Physical Oceanography</i> , 2020, 50, 3529-3544.	0.7	9
377	Variability of the Oceans. , 2020, , 1-53.		2
378	Teleconnections in the Atmosphere. , 2020, , 54-88.		2
379	Atmosphereâ€”Ocean Interactions. , 2020, , 89-119.		2

#	ARTICLE	IF	CITATIONS
380	Interacting Interannual Variability of the Pacific and Atlantic Oceans. , 2020, , 120-152.		2
381	The Arctic Mediterranean. , 2020, , 186-215.		1
382	Combined Oceanic Influences on Continental Climates. , 2020, , 216-257.		2
383	Basin Interactions and Predictability. , 2020, , 258-292.		3
384	Climate Change and Impacts on Variability and Interactions. , 2020, , 293-337.		0
386	Variability and Drivers of Ocean Temperature Extremes in a Warming Western Boundary Current. Journal of Climate, 2022, 35, 1097-1111.	1.2	19
387	Progress in understanding of Indian Ocean circulation, variability, air-sea exchange, and impacts on biogeochemistry. Ocean Science, 2021, 17, 1677-1751.	1.3	43
388	Reviews and syntheses: Physical and biogeochemical processes associated with upwelling in the Indian Ocean. Biogeosciences, 2021, 18, 5967-6029.	1.3	46
389	Meridional Eddy Heat Transport Variability in the Surface Mixed Layer of the Atlantic Ocean. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017789.	1.0	0
390	Risk and reward of the global truffle sector under predicted climate change. Environmental Research Letters, 2022, 17, 024001.	2.2	4
391	Plastics in the Indian Ocean – sources, transport, distribution, and impacts. Ocean Science, 2022, 18, 1-28.	1.3	41
392	Different response of stalagmite $\delta^{18}O$ and $\delta^{13}C$ to millennial-scale events during the last glacial, evidenced from Huangjin Cave, northern China. Quaternary Science Reviews, 2022, 276, 107305.	1.4	7
393	The new historical flood of 2021 in the Amazon River compared to major floods of the 21st century: Atmospheric features in the context of the intensification of floods. Weather and Climate Extremes, 2022, 35, 100406.	1.6	28
394	Unravelling links between squid catch variations and biophysical mechanisms in South African waters. Deep-Sea Research Part II: Topical Studies in Oceanography, 2022, 196, 105028.	0.6	7
395	Maintenance Mechanisms of the Wintertime Subtropical High over the South Indian Ocean. Journal of Climate, 2022, 35, 2989-3005.	1.2	2
396	Test-size evolution of the planktonic foraminifer <i>Globorotalia menardii</i> in the eastern tropical Atlantic since the Late Miocene. Biogeosciences, 2022, 19, 777-805.	1.3	4
397	Lagrangian Study of Several Long-Lived Agulhas Rings. Journal of Physical Oceanography, 2022, 52, 1049-1072.	0.7	3
398	Inter-Annual Variability of the Along-Shore Lagrangian Transport Success in the Southern Benguela Current Upwelling System. Journal of Geophysical Research: Oceans, 2022, 127, .	1.0	1

#	ARTICLE	IF	CITATIONS
399	An Intercomparison of Global Reanalysis Products for Southern Africa's Major Oceanographic Features. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	7
400	Eddy-mean flow interactions in the Agulhas leakage region. <i>Journal of Oceanography</i> , 2022, 78, 151-161.	0.7	2
401	META3.1exp: a new global mesoscale eddy trajectory atlas derived from altimetry. <i>Earth System Science Data</i> , 2022, 14, 1087-1107.	3.7	47
402	Persistence and material coherence of a mesoscale ocean eddy. <i>Physical Review Fluids</i> , 2022, 7, .	1.0	4
403	Transport Structure of the South Atlantic Ocean Derived From a High-Resolution Numerical Model and Observations. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	2
404	Morphological evolution of menardiform globorotalids at Western Pacific Warm Pool ODP Hole 806C (Ontong-Java Plateau) Evolution morphologique du groupe de Globorotalia menardii au Site ODP 806C (Ontong-Java Plateau, Pacifique tropical occidental). <i>Revue De Micropaleontologie</i> , 2022, 74, 100608.	0.8	3
405	The Observed Agulhas Retroreflection Behaviors During 1993-2018. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, .	1.0	4
406	Late Quaternary deep marine sediment records off southern Africa. <i>South African Journal of Geology</i> , 2021, 124, 1007-1032.	0.6	5
411	Earth Observation and Machine Learning Reveal the Dynamics of Productive Upwelling Regimes on the Agulhas Bank. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	2
412	The geography of near-shelf mixing on the east coast of South Africa. <i>Environmental Fluid Mechanics</i> , 0, , .	0.7	1
413	The Impact of Southern Ocean Topographic Barriers on the Ocean Circulation and the Overlying Atmosphere. <i>Journal of Climate</i> , 2022, 35, 5805-5821.	1.2	3
414	A new genus of setose-winged barklice (Psocodea: Trogiomorpha: Lepidopsocidae) from the Eocene amber of Oise with notes on the biogeography of Thylacellinae. <i>Historical Biology</i> , 2023, 35, 1136-1145.	0.7	2
415	Nonlinear Dynamics of a Hysteresis Western Boundary Current Perturbed by a Mesoscale Eddy at a Gap with an Island. <i>Journal of Physical Oceanography</i> , 2022, 52, 1993-2008.	0.7	1
419	A 334-year coral record of surface temperature and salinity variability in the greater Agulhas Current region. <i>Climate of the Past</i> , 2022, 18, 1453-1474.	1.3	3
420	Physical control on the inter-annual variability of summer dissolved nutrient concentration and phytoplankton biomass in the Indian sector of the Southern Ocean. <i>Oceanologia</i> , 2022, 64, 675-693.	1.1	1
421	Spatio-Temporal Consistency as a Means to Identify Unlabeled Objects in a Continuous Data Field. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2014, 28, .	3.6	1
422	The Vulnerability of South African Estuaries to Climate Change: A Review and Synthesis. <i>Diversity</i> , 2022, 14, 697.	0.7	6
423	First Observations of Seasonal Variability in Water Mass Properties Across the Agulhas Current. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	1.0	1

#	ARTICLE	IF	CITATIONS
424	A robust, systematic approach for developing the biodiversity sector's input for multi-sector Marine Spatial Planning. <i>Ocean and Coastal Management</i> , 2022, 230, 106368.	2.0	12
425	Drivers of ocean warming in the western boundary currents of the Southern Hemisphere. <i>Nature Climate Change</i> , 2022, 12, 901-909.	8.1	27
426	The Influence of Agulhas Leakage on Primary Production and Nitrogen Cycling in the Southeastern Atlantic Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	1.0	4
427	Strong Asymmetry of Interhemispheric Ice Volume During MIS 11, MIS 9, and MIS 7 Drives Heterogeneity of Interglacial Precipitation Intensity Over Asia. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	5
428	The Fishes of the Gulf of Guinea Oceanic Islands. , 2022, , 431-478.		5
429	Compact Mesoscale Eddies in the South Brazil Bight. <i>Remote Sensing</i> , 2022, 14, 5781.	1.8	2
430	Observing the spread of Agulhas Leakage into the Western South Atlantic by tracking mode waters within ocean rings. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	4
431	Robust estimates for the decadal evolution of Agulhas leakage from the 1960s to the 2010s. <i>Communications Earth & Environment</i> , 2022, 3, .	2.6	4
432	Ecological and biogeographic features shaped the complex evolutionary history of an iconic apex predator (<i>Galeocerdo cuvier</i>). <i>Bmc Ecology and Evolution</i> , 2022, 22, .	0.7	0
433	Lagrangian scale decomposition via the graph Fourier transform. <i>Physical Review Fluids</i> , 2022, 7, .	1.0	0
434	Modification of North Atlantic Deep Water by Pacific/Upper Circumpolar Deep Water in the Argentine Basin. <i>Geophysical Research Letters</i> , 2023, 50, .	1.5	3
435	Energetic overturning flows, dynamic interocean exchanges, and ocean warming observed in the South Atlantic. <i>Communications Earth & Environment</i> , 2023, 4, .	2.6	8
436	Ocean Heat Content Retrieval from Remote Sensing Data Based on Machine Learning. , 2023, , 125-145.		0
437	Extreme cooling of 12.5°C triggered by Typhoon Fungwong (2008). <i>Ocean Modelling</i> , 2023, 182, 102176.	1.0	3
438	Multiproxy reconstruction of late quaternary upper ocean temperature in the subtropical southwestern Atlantic. <i>Quaternary Science Reviews</i> , 2023, 307, 108044.	1.4	0
440	Agulhas leakage extension and its influences on South Atlantic surface water hydrography during the Pleistocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2023, 615, 111447.	1.0	2
441	Rapid 21st Century Weakening of the Agulhas Current in a Warming Climate. <i>Geophysical Research Letters</i> , 2023, 50, .	1.5	1
442	The Agulhas Current Transports Signals of Local and Remote Indian Ocean Nitrogen Cycling. <i>Journal of Geophysical Research: Oceans</i> , 2023, 128, .	1.0	5

#	ARTICLE	IF	CITATIONS
443	Mesoscale Variability, Critical Latitude and Eddy Mean Properties in the Tropical Southâ€East Atlantic Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2023, 128, .	1.0	0
444	Projected Atlantic overturning slow-down is to be compensated by a strengthened South Atlantic subtropical gyre. <i>Communications Earth & Environment</i> , 2023, 4, .	2.6	2
445	Effects of an eastward shift in the Agulhas retroreflection region on chlorophyll-a bloom on its south flank. <i>PLoS ONE</i> , 2023, 18, e0281766.	1.1	1
446	Highâ€Resolution Coccolithophore Morphological Changes in Response to Orbital Forcings During the Early Oligocene. <i>Geochemistry, Geophysics, Geosystems</i> , 2023, 24, .	1.0	0
450	Salty seas sway global glacial cycles. <i>Nature</i> , 2023, 617, 258-259.	13.7	0
464	Unique Southern African Terrestrial and Oceanic Biomes and Their Relation to Steep Environmental Gradients. <i>Ecological Studies</i> , 2024, , 23-88.	0.4	0
466	Physical Drivers of Southwest African Coastal Upwelling and Its Response to Climate Variability and Change. <i>Ecological Studies</i> , 2024, , 221-257.	0.4	0
467	The Agulhas Current System as an Important Driver for Oceanic and Terrestrial Climate. <i>Ecological Studies</i> , 2024, , 191-220.	0.4	0