

# Shenfu Dong

## List of Publications by Year in descending order

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Version: 2024-02-01

67  
papers

3,175  
citations

159585

30  
h-index

155660

55  
g-index

71  
all docs

71  
docs citations

71  
times ranked

4501  
citing authors

#	ARTICLE	IF	CITATIONS
1	Remote Impact of the Equatorial Pacific on Florida Current Transport. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	4
2	Transport Structure of the South Atlantic Ocean Derived From a High-Resolution Numerical Model and Observations. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	2
3	Synergy of In Situ and Satellite Ocean Observations in Determining Meridional Heat Transport in the Atlantic Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC017073.	2.6	6
4	Multi-Year Estimates of Daily Heat Transport by the Atlantic Meridional Overturning Circulation at 34.5°S. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016947.	2.6	8
5	Brazil Current Volume Transport Variability During 2009–2015 From a Long-Term Moored Array at 34.5°S. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC017146.	2.6	7
6	Altimetry for the future: Building on 25 years of progress. <i>Advances in Space Research</i> , 2021, 68, 319-363.	2.6	119
7	Warming Trend in Antarctic Bottom Water in the Vema Channel in the South Atlantic. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094709.	4.0	16
8	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.	4.0	4
9	Highly variable upper and abyssal overturning cells in the South Atlantic. <i>Science Advances</i> , 2020, 6, eaba7573.	10.3	26
10	Observed Ocean Bottom Temperature Variability at Four Sites in the Northwestern Argentine Basin: Evidence of Decadal Deep/Abyssal Warming Amidst Hourly to Interannual Variability During 2009–2019. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089093.	4.0	21
11	What Caused the Large-Scale Heat Deficit in the Subtropical South Atlantic Ocean During 2009–2012?. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088206.	4.0	2
12	Global Oceans. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, S129-S184.	3.3	12
13	The Complementary Value of XBT and Argo Observations to Monitor Ocean Boundary Currents and Meridional Heat and Volume Transports: A Case Study in the Atlantic Ocean. <i>Journal of Atmospheric and Oceanic Technology</i> , 2020, 37, 2267-2282.	1.3	6
14	More Than 50 Years of Successful Continuous Temperature Section Measurements by the Global Expendable Bathythermograph Network, Its Integrability, Societal Benefits, and Future. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	31
15	Observations of Near-Surface Salinity and Temperature Structure with Dual-Sensor Lagrangian Drifters During SPURS-2. <i>Oceanography</i> , 2019, 32, 66-75.	1.0	12
16	Atlantic Meridional Overturning Circulation: Observed Transport and Variability. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	120
17	Global Perspectives on Observing Ocean Boundary Current Systems. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	39
18	East Asian Monsoon as a Modulator of U.S. Great Plains Heat Waves. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 6342-6358.	3.3	16

#	ARTICLE	IF	CITATIONS
19	Slow Down of the Gulf Stream during 1993–2016. <i>Scientific Reports</i> , 2019, 9, 6672.	3.3	37
20	Global Meridional Overturning Circulation Inferred From a Data-Constrained Ocean & Sea-Ice Model. <i>Geophysical Research Letters</i> , 2019, 46, 1521-1530.	4.0	19
21	Shallow and Deep Eastern Boundary Currents in the South Atlantic at 34.5°S: Mean Structure and Variability. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 1634-1659.	2.6	17
22	Early emergence of anthropogenically forced heat waves in the western United States and Great Lakes. <i>Nature Climate Change</i> , 2018, 8, 414-420.	18.8	52
23	State of the Climate in 2017. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, Si-S310.	3.3	160
24	An Updated Estimate of Salinity for the Atlantic Ocean Sector Using Temperature–Salinity Relationships. <i>Journal of Atmospheric and Oceanic Technology</i> , 2018, 35, 1771-1784.	1.3	14
25	Meridional Overturning Circulation Transport Variability at 34.5°S During 2009–2017: Baroclinic and Barotropic Flows and the Dueling Influence of the Boundaries. <i>Geophysical Research Letters</i> , 2018, 45, 4180-4188.	4.0	55
26	A reconstructed South Atlantic Meridional Overturning Circulation time series since 1870. <i>Geophysical Research Letters</i> , 2017, 44, 3309-3318.	4.0	16
27	Near-surface salinity and temperature structure observed with dual-sensor drifters in the subtropical South Pacific. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 5952-5969.	2.6	12
28	Characteristics and causes of Deep Western Boundary Current transport variability at 34.5°S during 2009–2014. <i>Ocean Science</i> , 2017, 13, 175-194.	3.4	26
29	Autonomous Multi-Platform Observations During the Salinity Processes in the Upper-ocean Regional Study. <i>Oceanography</i> , 2017, 30, 38-48.	1.0	25
30	State of the Climate in 2016. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, Si-S280.	3.3	132
31	Monitoring and Interpreting Mid-Latitude Oceans by Satellite Altimetry. , 2017, , 211-230.		1
32	State of the Climate in 2015. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, Si-S275.	3.3	142
33	Remote influence of Interdecadal Pacific Oscillation on the South Atlantic meridional overturning circulation variability. <i>Geophysical Research Letters</i> , 2016, 43, 8250-8258.	4.0	25
34	Decadal Modulations of Interhemispheric Global Atmospheric Circulations and Monsoons by the South Atlantic Meridional Overturning Circulation. <i>Journal of Climate</i> , 2016, 29, 1831-1851.	3.2	38
35	XBT Science: Assessment of Instrumental Biases and Errors. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 924-933.	3.3	72
36	Temporal variability of the South Atlantic Meridional Overturning Circulation between 20°S and 35°S. <i>Geophysical Research Letters</i> , 2015, 42, 7655-7662.	4.0	46

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37	Mixed-Layer Salinity Budget in the SPURS Region on Seasonal to Interannual Time Scales. <i>Oceanography</i> , 2015, 28, 78-85.	1.0	6
38	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.	2.6	17
39	The fate of the Deep Western Boundary Current in the South Atlantic. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 103, 125-136.	1.4	41
40	State of the Climate in 2014. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, ES1-ES32.	3.3	78
41	Measuring the Atlantic Meridional Overturning Circulation. <i>Marine Technology Society Journal</i> , 2015, 49, 167-177.	0.4	8
42	Basin-Wide Oceanographic Array Bridges the South Atlantic. <i>Eos</i> , 2014, 95, 53-54.	0.1	36
43	Seasonal variations in the South Atlantic Meridional Overturning Circulation from observations and numerical models. <i>Geophysical Research Letters</i> , 2014, 41, 4611-4618.	4.0	28
44	Wind forced variability of the Antarctic Circumpolar Current south of Africa between 1993 and 2010. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 1123-1145.	2.6	13
45	Temporal variability of the meridional overturning circulation at 34.5°S: Results from two pilot boundary arrays in the South Atlantic. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 6461-6478.	2.6	70
46	The contributions of atmosphere and ocean to North Atlantic Subtropical Mode Water volume anomalies. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 91, 111-127.	1.4	16
47	South Atlantic meridional fluxes. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 71, 21-32.	1.4	84
48	How Well Do Climate Models Reproduce North Atlantic Subtropical Mode Water?. <i>Journal of Physical Oceanography</i> , 2013, 43, 2230-2244.	1.7	3
49	State of the Climate in 2012. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, S1-S258.	3.3	129
50	Multidecadal Covariability of North Atlantic Sea Surface Temperature, African Dust, Sahel Rainfall, and Atlantic Hurricanes. <i>Journal of Climate</i> , 2012, 25, 5404-5415.	3.2	144
51	Importance of the assimilation of Argo float measurements on the Meridional Overturning Circulation in the South Atlantic. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	16
52	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.	1.7	38
53	Seawater density variations in the North Atlantic and the Atlantic meridional overturning circulation. <i>Climate Dynamics</i> , 2010, 34, 953-968.	3.8	58
54	Assessing the potential of the Atmospheric Infrared Sounder (AIRS) surface temperature and specific humidity in turbulent heat flux estimates in the Southern Ocean. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	13

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55	Is the basin-wide warming in the North Atlantic Ocean related to atmospheric carbon dioxide and global warming?. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	21
56	What Signals Are Removed and Retained by Using an Anomaly Field in Climatic Research?. <i>International Journal of Oceanography</i> , 2009, 2009, 1-7.	0.2	7
57	Interannual variations in the Atlantic meridional overturning circulation and its relationship with the net northward heat transport in the South Atlantic. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	67
58	An assessment of the seasonal mixed layer salinity budget in the Southern Ocean. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	38
59	Southern Ocean mixed-layer depth from Argo float profiles. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	288
60	Interannual Variations in Upper-Ocean Heat Content and Heat Transport Convergence in the Western North Atlantic. <i>Journal of Physical Oceanography</i> , 2007, 37, 2682-2697.	1.7	39
61	An Assessment of the Southern Ocean Mixed Layer Heat Budget. <i>Journal of Climate</i> , 2007, 20, 4425-4442.	3.2	120
62	Validation of the Advanced Microwave Scanning Radiometer for the Earth Observing System (AMSR-E) sea surface temperature in the Southern Ocean. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	51
63	Location of the Antarctic Polar Front from AMSR-E Satellite Sea Surface Temperature Measurements. <i>Journal of Physical Oceanography</i> , 2006, 36, 2075-2089.	1.7	121
64	Heat Budget in the Gulf Stream Region: The Importance of Heat Storage and Advection. <i>Journal of Physical Oceanography</i> , 2004, 34, 1214-1231.	1.7	102
65	Seasonal and interannual variations in geostrophic velocity in the Middle Atlantic Bight. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	22
66	Gulf Stream Variability and Ocean-Atmosphere Interactions*. <i>Journal of Physical Oceanography</i> , 2001, 31, 3516-3529.	1.7	140
67	The Relationship of Western Boundary Current Heat Transport and Storage to Midlatitude Ocean-Atmosphere Interaction. <i>Geophysical Monograph Series</i> , 0, , 347-363.	0.1	20