

Simon A Josey

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

4,403
citations

101543

36
h-index

114465

63
g-index

106
all docs

106
docs citations

106
times ranked

5104
citing authors

#	ARTICLE	IF	CITATIONS
1	A regional (land&€œocean) comparison of the seasonal to decadal variability of the Northern Hemisphere jet stream 1871&€œ2011. <i>Climate Dynamics</i> , 2022, 59, 1897-1918.	3.8	12
2	Subpolar Atlantic Ocean mixed layer heat content variability is increasingly driven by an active ocean. <i>Communications Earth & Environment</i> , 2022, 3, .	6.8	5
3	Causes of the 2015 North Atlantic cold anomaly in a global state estimate. <i>Ocean Science</i> , 2022, 18, 953-978.	3.4	2
4	Increasing tropical cyclone intensity and potential intensity in the subtropical Atlantic around Bermuda from an ocean heat content perspective 1955&€œ2019. <i>Environmental Research Letters</i> , 2021, 16, 034052.	5.2	11
5	Future Evolution of an Eddy Rich Ocean Associated with Enhanced East Atlantic Storminess in a Coupled Model Projection. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092719.	4.0	13
6	Local and Remote Influences on the Heat Content of Southern Ocean Mode Water Formation Regions. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016585.	2.6	5
7	Role of air&€œsea fluxes and ocean surface density in the production of deep waters in the eastern subpolar gyre of the North Atlantic. <i>Ocean Science</i> , 2021, 17, 1353-1365.	3.4	21
8	Satellite&€œBased Sea Surface Salinity Designed for Ocean and Climate Studies. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017676.	2.6	29
9	Mechanisms for Late 20th and Early 21st Century Decadal AMOC Variability. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017865.	2.6	14
10	Demographic profiles and environmental drivers of variation relate to individual breeding state in a long-lived trans-oceanic migratory seabird, the Manx shearwater. <i>PLoS ONE</i> , 2021, 16, e0260812.	2.5	6
11	Atlantic Deep Water Formation Occurs Primarily in the Iceland Basin and Irminger Sea by Local Buoyancy Forcing. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL091028.	4.0	65
12	Importance of Boundary Processes for Heat Uptake in the Subpolar North Atlantic. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016366.	2.6	8
13	The Major Role of Air&€œSea Heat Fluxes in Driving Interannual Variations of Gulf Stream Transport. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC016004.	2.6	1
14	Intensification of the global water cycle and evidence from ocean salinity: a synthesis review. <i>Annals of the New York Academy of Sciences</i> , 2020, 1472, 76-94.	3.8	48
15	Rapid Cooling and Increased Storminess Triggered by Freshwater in the North Atlantic. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087207.	4.0	9
16	Mooring Observations of Air&€œSea Heat Fluxes in Two Subantarctic Mode Water Formation Regions. <i>Journal of Climate</i> , 2020, 33, 2757-2777.	3.2	23
17	The Sensitivity of Southeast Pacific Heat Distribution to Local and Remote Changes in Ocean Properties. <i>Journal of Physical Oceanography</i> , 2020, 50, 773-790.	1.7	6
18	Ocean circulation causes the largest freshening event for 120 years in eastern subpolar North Atlantic. <i>Nature Communications</i> , 2020, 11, 585.	12.8	142

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19	Extratropical-cyclone-induced sea surface temperature anomalies in the 2013–2014 winter. <i>Weather and Climate Dynamics</i> , 2020, 1, 27-44.	3.5	7
20	Re-emergence of North Atlantic subsurface ocean temperature anomalies in a seasonal forecast system. <i>Climate Dynamics</i> , 2019, 53, 4799-4820.	3.8	5
21	Insights into Decadal North Atlantic Sea Surface Temperature and Ocean Heat Content Variability from an Eddy-Permitting Coupled Climate Model. <i>Journal of Climate</i> , 2019, 32, 6137-6161.	3.2	12
22	A Subannual Subsurface Pathway From the Gulf Stream to the Subpolar Gyre and Its Role in Warming and Salinification in the 1990s. <i>Geophysical Research Letters</i> , 2019, 46, 7518-7526.	4.0	5
23	Extreme Variability in Irminger Sea Winter Heat Loss Revealed by Ocean Observatories Initiative Mooring and the ERA5 Reanalysis. <i>Geophysical Research Letters</i> , 2019, 46, 293-302.	4.0	36
24	Ocean precursors to the extreme Atlantic 2017 hurricane season. <i>Nature Communications</i> , 2019, 10, 896.	12.8	14
25	Heat Distribution in the Southeast Pacific Is Only Weakly Sensitive to High-Latitude Heat Flux and Wind Stress. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 8647-8666.	2.6	9
26	Air–Sea Interaction: Heat and Momentum Fluxes. , 2019, , 1-7.		0
27	The North Atlantic Ocean Is in a State of Reduced Overturning. <i>Geophysical Research Letters</i> , 2018, 45, 1527-1533.	4.0	263
28	Prospects for seasonal forecasting of iceberg distributions in the North Atlantic. <i>Natural Hazards</i> , 2018, 91, 447-471.	3.4	5
29	The Recent Atlantic Cold Anomaly: Causes, Consequences, and Related Phenomena. <i>Annual Review of Marine Science</i> , 2018, 10, 475-501.	11.6	82
30	Improved estimates of water cycle change from ocean salinity: the key role of ocean warming. <i>Environmental Research Letters</i> , 2018, 13, 074036.	5.2	52
31	Increasing Atlantic Ocean Heat Transport in the Latest Generation Coupled Ocean–Atmosphere Models: The Role of Air–Sea Interaction. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 8624-8637.	2.6	15
32	Recent multivariate changes in the North Atlantic climate system, with a focus on 2005–2016. <i>International Journal of Climatology</i> , 2018, 38, 5050-5076.	3.5	34
33	Local and Remote Influences on the Heat Content of the Labrador Sea: An Adjoint Sensitivity Study. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 2646-2667.	2.6	24
34	Critical Southern Ocean climate model biases traced to atmospheric model cloud errors. <i>Nature Communications</i> , 2018, 9, 3625.	12.8	109
35	Gulf Stream Variability in the Context of Quasi-Decadal and Multidecadal Atlantic Climate Variability. <i>Geophysical Research Letters</i> , 2018, 45, 11,257.	4.0	24
36	Copernicus Marine Service Ocean State Report. <i>Journal of Operational Oceanography</i> , 2018, 11, S1-S142.	1.2	96

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37	Signatures of the 1976–1977 Regime Shift in the North Pacific Revealed by Statistical Analysis. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 4388-4397.	2.6	9
38	Episodic Southern Ocean Heat Loss and Its Mixed Layer Impacts Revealed by the Farthest South Multiyear Surface Flux Mooring. <i>Geophysical Research Letters</i> , 2018, 45, 5002-5010.	4.0	34
39	JRA-55 based surface dataset for driving ocean–sea-ice models (JRA55-do). <i>Ocean Modelling</i> , 2018, 130, 79-139.	2.4	357
40	Mediterranean sea water budget long-term trend inferred from salinity observations. <i>Climate Dynamics</i> , 2018, 51, 2857-2876.	3.8	42
41	The Global Ocean Water Cycle in Atmospheric Reanalysis, Satellite, and Ocean Salinity. <i>Journal of Climate</i> , 2017, 30, 3829-3852.	3.2	37
42	Rapid response to climate change in a marginal sea. <i>Scientific Reports</i> , 2017, 7, 4065.	3.3	94
43	Air–sea interaction regimes in the sub-Antarctic Southern Ocean and Antarctic marginal ice zone revealed by icebreaker measurements. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 6547-6564.	2.6	8
44	Global water cycle amplifying at less than the Clausius-Clapeyron rate. <i>Scientific Reports</i> , 2016, 6, 38752.	3.3	98
45	Assessing recent air-sea freshwater flux changes using a surface temperature-salinity space framework. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 8787-8806.	2.6	7
46	Impact of ocean resolution on coupled air–sea fluxes and large-scale climate. <i>Geophysical Research Letters</i> , 2016, 43, 10,430.	4.0	61
47	Major variations in subtropical North Atlantic heat transport at short (5 day) timescales and their causes. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 3237-3249.	2.6	27
48	Drivers of exceptionally cold North Atlantic Ocean temperatures and their link to the 2015 European heat wave. <i>Environmental Research Letters</i> , 2016, 11, 074004.	5.2	122
49	Potential for seasonal prediction of Atlantic sea surface temperatures using the RAPID array at 26°N. <i>Climate Dynamics</i> , 2016, 46, 3351-3370.	3.8	27
50	An imperative to monitor Earth's energy imbalance. <i>Nature Climate Change</i> , 2016, 6, 138-144.	18.8	284
51	Extreme air–sea interaction over the North Atlantic subpolar gyre during the winter of 2013–2014 and its sub-surface legacy. <i>Climate Dynamics</i> , 2016, 46, 4027-4045.	3.8	44
52	Maintenance and Broadening of the Ocean's Salinity Distribution by the Water Cycle. <i>Journal of Climate</i> , 2015, 28, 9550-9560.	3.2	28
53	Impacts of Climate Modes on Air–Sea Heat Exchange in the Red Sea. <i>Journal of Climate</i> , 2015, 28, 2665-2681.	3.2	39
54	Impact of Barents Sea winter air–sea exchanges on Fram Strait dense water transport. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 1009-1021.	2.6	5

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55	Seasonal variability of the warm Atlantic water layer in the vicinity of the Greenland shelf break. <i>Geophysical Research Letters</i> , 2014, 41, 8530-8537.	4.0	14
56	The Surface-Forced Overturning of the North Atlantic: Estimates from Modern Era Atmospheric Reanalysis Datasets. <i>Journal of Climate</i> , 2014, 27, 3596-3618.	3.2	20
57	Surface warming hiatus caused by increased heat uptake across multiple ocean basins. <i>Geophysical Research Letters</i> , 2014, 41, 7868-7874.	4.0	99
58	Unexpected impacts of the Tropical Pacific array on reanalysis surface meteorology and heat fluxes. <i>Geophysical Research Letters</i> , 2014, 41, 6213-6220.	4.0	39
59	Salinity changes in the World Ocean since 1950 in relation to changing surface freshwater fluxes. <i>Climate Dynamics</i> , 2014, 43, 709-736.	3.8	127
60	The effect of the NAO on sea level and on mass changes in the Mediterranean Sea. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 944-952.	2.6	75
61	Atmospheric Forcing of the Winter Air-Sea Heat Fluxes over the Northern Red Sea. <i>Journal of Climate</i> , 2013, 26, 1685-1701.	3.2	40
62	Exchanges Through the Ocean Surface. <i>International Geophysics</i> , 2013, , 115-140.	0.6	47
63	Large-Scale Atmospheric Circulation Favoring Deep- and Intermediate-Water Formation in the Mediterranean Sea. <i>Journal of Climate</i> , 2012, 25, 6079-6091.	3.2	34
64	First air-sea flux mooring measurements in the Southern Ocean. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	57
65	Mountain ranges favour vigorous Atlantic meridional overturning. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	36
66	Surface estimates of the Atlantic overturning in density space in an eddy-permitting ocean model. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	14
67	Impacts of atmospheric modes of variability on Mediterranean Sea surface heat exchange. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	114
68	Temperature signature of high latitude Atlantic boundary currents revealed by marine mammal-borne sensor and Argo data. <i>Geophysical Research Letters</i> , 2011, 38, .	4.0	20
69	Evaluation of Mediterranean Sea water and heat budgets simulated by an ensemble of high resolution regional climate models. <i>Climate Dynamics</i> , 2011, 37, 2067-2086.	3.8	77
70	The roles of surface heat flux and ocean heat transport convergence in determining Atlantic Ocean temperature variability. <i>Ocean Dynamics</i> , 2010, 60, 771-790.	2.2	74
71	Abrupt warming and salting of the Western Mediterranean Deep Water after 2005: Atmospheric forcings and lateral advection. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	98
72	On the Relationship between the North Atlantic Meridional Overturning Circulation and the Surface-Forced Overturning Streamfunction. <i>Journal of Climate</i> , 2009, 22, 4989-5002.	3.2	46

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73	Estimates of meridional overturning circulation variability in the North Atlantic from surface density flux fields. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	30
74	Mechanisms for recent warming of the North Atlantic: Insights gained with an eddy-permitting model. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	38
75	Response of the Denmark Strait overflow to Nordic Seas heat loss. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	6
76	Impact on the ocean of extreme Greenland Sea heat loss in the HadCM3 coupled ocean-atmosphere model. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	13
77	On the accuracy of North Atlantic temperature and heat storage fields from Argo. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	29
78	Changes in freshwater content in the North Atlantic Ocean 1955–2006. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	50
79	Global warming and changes of continentality since 1948. <i>Weather</i> , 2007, 62, 215-221.	0.7	8
80	Mediterranean Sea level and barotropic flow through the Strait of Gibraltar for the period 1958–2001 and reconstructed since 1659. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	46
81	Surface freshwater flux variability and recent freshening of the North Atlantic in the eastern subpolar gyre. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	70
82	Inverse Analysis Adjustment of the SOC Air–Sea Flux Climatology Using Ocean Heat Transport Constraints. <i>Journal of Climate</i> , 2003, 16, 3274-3295.	3.2	129
83	A Comparison of ECMWF, NCEP–NCAR, and SOC Surface Heat Fluxes with Moored Buoy Measurements in the Subduction Region of the Northeast Atlantic. <i>Journal of Climate</i> , 2001, 14, 1780-1789.	3.2	105
84	New Insights into the Ocean Heat Budget Closure Problem from Analysis of the SOC Air–Sea Flux Climatology. <i>Journal of Climate</i> , 1999, 12, 2856-2880.	3.2	300