

A T Blaker

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

1,213
citations

21
h-index

33
g-index

70
ext. papers

1,450
ext. citations

4.1
avg, IF

4.32
L-index

#	Paper	IF	Citations
52	The North Atlantic subpolar circulation in an eddy-resolving global ocean model. <i>Journal of Marine Systems</i> , 2015 , 142, 126-143	2.7	110
51	History matching for exploring and reducing climate model parameter space using observations and a large perturbed physics ensemble. <i>Climate Dynamics</i> , 2013 , 41, 1703-1729	4.2	101
50	Surface warming hiatus caused by increased heat uptake across multiple ocean basins. <i>Geophysical Research Letters</i> , 2014 , 41, 7868-7874	4.9	89
49	UK Global Ocean GO6 and GO7: a traceable hierarchy of model resolutions. <i>Geoscientific Model Development</i> , 2018 , 11, 3187-3213	6.3	79
48	The Low-Resolution Version of HadGEM3 GC3.1: Development and Evaluation for Global Climate. <i>Journal of Advances in Modeling Earth Systems</i> , 2018 , 10, 2865-2888	7.1	71
47	Identifying and removing structural biases in climate models with history matching. <i>Climate Dynamics</i> , 2015 , 45, 1299-1324	4.2	62
46	NEMO-ICB (v1.0): interactive icebergs in the NEMO ocean model globally configured at eddy-permitting resolution. <i>Geoscientific Model Development</i> , 2015 , 8, 1547-1562	6.3	54
45	North Atlantic SST Anomalies and the Cold North European Weather Events of Winter 2009/10 and December 2010. <i>Monthly Weather Review</i> , 2014 , 142, 922-932	2.4	42
44	Historical analogues of the recent extreme minima observed in the Atlantic meridional overturning circulation at 26°N. <i>Climate Dynamics</i> , 2015 , 44, 457-473	4.2	41
43	The Atlantic Meridional Overturning Circulation in High-Resolution Models. <i>Journal of Geophysical Research: Oceans</i> , 2020 , 125, e2019JC015522	3.3	40
42	Mountain ranges favour vigorous Atlantic meridional overturning. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	31
41	Chaotic variability of the meridional overturning circulation on subannual to interannual timescales. <i>Ocean Science</i> , 2013 , 9, 805-823	4	28
40	Improved estimates of water cycle change from ocean salinity: the key role of ocean warming. <i>Environmental Research Letters</i> , 2018 , 13, 074036	6.2	28
39	A window on the deep ocean: The special value of ocean bottom pressure for monitoring the large-scale, deep-ocean circulation. <i>Progress in Oceanography</i> , 2018 , 161, 19-46	3.8	27
38	Tuning without over-tuning: parametric uncertainty quantification for the NEMO ocean model. <i>Geoscientific Model Development</i> , 2017 , 10, 1789-1816	6.3	26
37	A New Index for the Atlantic Meridional Overturning Circulation at 26°N. <i>Journal of Climate</i> , 2014 , 27, 6439-6455	4.4	25
36	High frequency variability of the Atlantic meridional overturning circulation. <i>Ocean Science</i> , 2011 , 7, 471-486	4.86	25

35	The Sensitivity of a Coupled Climate Model to Its Ocean Component. <i>Journal of Climate</i> , 2010 , 23, 5126-5150	4.1	23
34	Large near-inertial oscillations of the Atlantic meridional overturning circulation. <i>Ocean Modelling</i> , 2012 , 42, 50-56	3	22
33	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	3.3	21
32	Full-depth temperature trends in the northeastern Atlantic through the early 21st century. <i>Geophysical Research Letters</i> , 2014 , 41, 7971-7979	4.9	21
31	Fast linked analyses for scenario-based hierarchies. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2012 , 61, 665-691	1.5	21
30	Spin-up of UK Earth System Model 1 (UKESM1) for CMIP6. <i>Journal of Advances in Modeling Earth Systems</i> , 2020 , 12, e2019MS001933	7.1	20
29	Obtaining diverse behaviors in a climate model without the use of flux adjustments. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 2781-2793	4.4	19
28	Acceleration of the Antarctic Circumpolar Current by Wind Stress along the Coast of Antarctica. <i>Journal of Physical Oceanography</i> , 2013 , 43, 2772-2784	2.4	17
27	Identifying the roles of the ocean and atmosphere in creating a rapid equatorial response to a Southern Ocean anomaly. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	17
26	The accuracy of estimates of the overturning circulation from basin-wide mooring arrays. <i>Progress in Oceanography</i> , 2018 , 160, 101-123	3.8	15
25	Evolving Bayesian Emulators for Structured Chaotic Time Series, with Application to Large Climate Models. <i>SIAM-ASA Journal on Uncertainty Quantification</i> , 2014 , 2, 1-28	1.8	14
24	A numerical model study of the effects of interannual time scale wave propagation on the predictability of the Atlantic meridional overturning circulation. <i>Journal of Geophysical Research: Oceans</i> , 2013 , 118, 131-146	3.3	13
23	The Surface-Forced Overturning of the North Atlantic: Estimates from Modern Era Atmospheric Reanalysis Datasets. <i>Journal of Climate</i> , 2014 , 27, 3596-3618	4.4	13
22	Model-Derived Uncertainties in Deep Ocean Temperature Trends Between 1990 and 2010. <i>Journal of Geophysical Research: Oceans</i> , 2019 , 124, 1155-1169	3.3	9
21	Influence of Bottom Topography on Integral Constraints in Zonal Flows with Parameterized Potential Vorticity Fluxes. <i>Journal of Physical Oceanography</i> , 2013 , 43, 311-323	2.4	9
20	Rapid ocean wave teleconnections linking Antarctic salinity anomalies to the equatorial ocean-atmosphere system. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	9
19	Decadal-timescale changes of the Atlantic overturning circulation and climate in a coupled climate model with a hybrid-coordinate ocean component. <i>Climate Dynamics</i> , 2012 , 39, 1021-1042	4.2	8
18	Loop Current Variability as Trigger of Coherent Gulf Stream Transport Anomalies. <i>Journal of Physical Oceanography</i> , 2019 , 49, 2115-2132	2.4	7

17	Chaotic variability of the meridional overturning circulation on subannual to interannual timescales		7
16	Evaluating the physical and biogeochemical state of the global ocean component of UKESM1 in CMIP6 historical simulations. <i>Geoscientific Model Development</i> , 2021 , 14, 3437-3472	6.3	7
15	Response of the Denmark Strait overflow to Nordic Seas heat loss. <i>Journal of Geophysical Research</i> , 2008 , 113,		6
14	UK Global Ocean GO6 and GO7: a traceable hierarchy of model resolutions 2018 ,		6
13	Ocean and atmosphere influence on the 2015 European heatwave. <i>Environmental Research Letters</i> , 2019 , 14, 114035	6.2	5
12	Labrador Sea subsurface density as a precursor of multidecadal variability in the North Atlantic: a multi-model study. <i>Earth System Dynamics</i> , 2021 , 12, 419-438	4.8	5
11	On the Near-Inertial Resonance of the Atlantic Meridional Overturning Circulation. <i>Journal of Physical Oceanography</i> , 2013 , 43, 2661-2672	2.4	4
10	Wind-Driven Oscillations in the Meridional Overturning Circulation near the equator. Part I: Numerical Models. <i>Journal of Physical Oceanography</i> , 2021 , 51, 645-661	2.4	4
9	Mechanisms for Late 20th and Early 21st Century Decadal AMOC Variability. <i>Journal of Geophysical Research: Oceans</i> , 2021 , 126, e2021JC017865	3.3	3
8	Re-emergence of North Atlantic subsurface ocean temperature anomalies in a seasonal forecast system. <i>Climate Dynamics</i> , 2019 , 53, 4799-4820	4.2	2
7	NEMO-ICB (v1.0): interactive icebergs in the NEMO ocean model globally configured at coarse and eddy-permitting resolution		2
6	High frequency variability of the Atlantic meridional overturning circulation		2
5	Labrador Slope Water connects the subarctic with the Gulf Stream. <i>Environmental Research Letters</i> , 2021 , 16, 084019	6.2	1
4	Tuning without over-tuning: parametric uncertainty quantification for the NEMO ocean model 2016 ,		1
3	Wind-Driven Oscillations in Meridional Overturning Circulations near the Equator. Part II: Idealized Simulations. <i>Journal of Physical Oceanography</i> , 2021 , 51, 663-683	2.4	1
2	TAO Data Support the Existence of Large High Frequency Variations in Cross-Equatorial Overturning Circulation. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	0
1	FORTE 2.0: a fast, parallel and flexible coupled climate model. <i>Geoscientific Model Development</i> , 2021 , 14, 275-293	6.3	0