

A T Blaker

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/217078/a-t-blaker-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
51	Mechanisms for Late 20th and Early 21st Century Decadal AMOC Variability. <i>Journal of Geophysical Research: Oceans</i> , 2021 , 126, e2021JC017865	3.3	3
50	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
49	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
48	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
47	Labrador Slope Water connects the subarctic with the Gulf Stream. <i>Environmental Research Letters</i> , 2021 , 16, 084019	6.2	1
46	FORTE 2.0: a fast, parallel and flexible coupled climate model. <i>Geoscientific Model Development</i> , 2021 , 14, 275-293	6.3	0
45	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
44	The Atlantic Meridional Overturning Circulation in High-Resolution Models. <i>Journal of Geophysical Research: Oceans</i> , 2020 , 125, e2019JC015522	3.3	40
43	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
42	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
41	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
40	Ocean and atmosphere influence on the 2015 European heatwave. <i>Environmental Research Letters</i> , 2019 , 14, 114035	6.2	5
39	Loop Current Variability as Trigger of Coherent Gulf Stream Transport Anomalies. <i>Journal of Physical Oceanography</i> , 2019 , 49, 2115-2132	2.4	7
38	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
37	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
36	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

35	UK Global Ocean GO6 and GO7: a traceable hierarchy of model resolutions 2018 ,		6
34	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
33	UK Global Ocean GO6 and GO7: a traceable hierarchy of model resolutions. <i>Geoscientific Model Development</i> , 2018 , 11, 3187-3213	6.3	79
32	Tuning without over-tuning: parametric uncertainty quantification for the NEMO ocean model. <i>Geoscientific Model Development</i> , 2017 , 10, 1789-1816	6.3	26
31	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
30	Tuning without over-tuning: parametric uncertainty quantification for the NEMO ocean model 2016 ,		1
29	NEMO[CB (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
28	Identifying and removing structural biases in climate models with history matching. <i>Climate Dynamics</i> , 2015 , 45, 1299-1324	4.2	62
27	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
26	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
25	A New Index for the Atlantic Meridional Overturning Circulation at 26°N. <i>Journal of Climate</i> , 2014 , 27, 6439-6455	4.4	25
24	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
23	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
22	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
21	Surface warming hiatus caused by increased heat uptake across multiple ocean basins. <i>Geophysical Research Letters</i> , 2014 , 41, 7868-7874	4.9	89
20	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
19	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
18	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

17	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
16	On the Near-Inertial Resonance of the Atlantic Meridional Overturning Circulation. <i>Journal of Physical Oceanography</i> , 2013 , 43, 2661-2672	2.4	4
15	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
14	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
13	Chaotic variability of the meridional overturning circulation on subannual to interannual timescales. <i>Ocean Science</i> , 2013 , 9, 805-823	4	28
12	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
11	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
10	Large near-inertial oscillations of the Atlantic meridional overturning circulation. <i>Ocean Modelling</i> , 2012 , 42, 50-56	3	22
9	Mountain ranges favour vigorous Atlantic meridional overturning. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	31
8	High frequency variability of the Atlantic meridional overturning circulation. <i>Ocean Science</i> , 2011 , 7, 471-486	4.86	25
7	The Sensitivity of a Coupled Climate Model to Its Ocean Component. <i>Journal of Climate</i> , 2010 , 23, 5126-5150	5.150	23
6	Rapid ocean wave teleconnections linking Antarctic salinity anomalies to the equatorial ocean-atmosphere system. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	9
5	Response of the Denmark Strait overflow to Nordic Seas heat loss. <i>Journal of Geophysical Research</i> , 2008 , 113,		6
4	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
3	NEMO-ICB (v1.0): interactive icebergs in the NEMO ocean model globally configured at coarse and eddy-permitting resolution		2
2	High frequency variability of the Atlantic meridional overturning circulation		2
1	Chaotic variability of the meridional overturning circulation on subannual to interannual timescales		7