A T Blaker

List of Publications by Year
in descending order

48	1,725	304368 22	301761 39
papers	citations	h-index	g-index

70	70	70	2447
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The North Atlantic subpolar circulation in an eddy-resolving global ocean model. Journal of Marine Systems, 2015, 142, 126-143.	0.9	145
2	The Lowâ€Resolution Version of HadGEM3 GC3.1: Development and Evaluation for Global Climate. Journal of Advances in Modeling Earth Systems, 2018, 10, 2865-2888.	1.3	142
3	History matching for exploring and reducing climate model parameter space using observations and a large perturbed physics ensemble. Climate Dynamics, 2013, 41, 1703-1729.	1.7	132
4	UK Global Ocean GO6 and GO7: a traceable hierarchy of model resolutions. Geoscientific Model Development, 2018, 11, 3187-3213.	1.3	124
5	Surface warming hiatus caused by increased heat uptake across multiple ocean basins. Geophysical Research Letters, 2014, 41, 7868-7874.	1.5	99
6	Identifying and removing structural biases in climate models with history matching. Climate Dynamics, 2015, 45, 1299-1324.	1.7	77
7	The Atlantic Meridional Overturning Circulation in Highâ€Resolution Models. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015522.	1.0	75
8	NEMOâ€"ICB (v1.0): interactive icebergs in the NEMO ocean model globally configured at eddy-permitting resolution. Geoscientific Model Development, 2015, 8, 1547-1562.	1.3	70
9	North Atlantic SST Anomalies and the Cold North European Weather Events of Winter 2009/10 and December 2010. Monthly Weather Review, 2014, 142, 922-932.	0.5	53
10	Improved estimates of water cycle change from ocean salinity: the key role of ocean warming. Environmental Research Letters, 2018, 13, 074036.	2.2	52
11	Historical analogues of the recent extreme minima observed in the Atlantic meridional overturning circulation at 26Â°N. Climate Dynamics, 2015, 44, 457-473.	1.7	50
12	Tuning without over-tuning: parametric uncertainty quantification for the NEMO ocean model. Geoscientific Model Development, 2017, 10, 1789-1816.	1.3	45
13	A window on the deep ocean: The special value of ocean bottom pressure for monitoring the large-scale, deep-ocean circulation. Progress in Oceanography, 2018, 161, 19-46.	1.5	41
14	Chaotic variability of the meridional overturning circulation on subannual to interannual timescales. Ocean Science, 2013, 9, 805-823.	1.3	37
15	Mountain ranges favour vigorous Atlantic meridional overturning. Geophysical Research Letters, 2012, 39, .	1.5	36
16	Large near-inertial oscillations of the Atlantic meridional overturning circulation. Ocean Modelling, 2012, 42, 50-56.	1.0	29
17	High frequency variability of the Atlantic meridional overturning circulation. Ocean Science, 2011, 7, 471-486.	1.3	28
18	A New Index for the Atlantic Meridional Overturning Circulation at 26Â°N. Journal of Climate, 2014, 27, 6439-6455.	1.2	28

#	ARTICLE	IF	CITATIONS
19	Major variations in subtropical North Atlantic heat transport at short (5 day) timescales and their causes. Journal of Geophysical Research: Oceans, 2016, 121, 3237-3249.	1.0	27
20	The Sensitivity of a Coupled Climate Model to Its Ocean Component. Journal of Climate, 2010, 23, 5126-5150.	1.2	25
21	Fast linked analyses for scenario-based hierarchies. Journal of the Royal Statistical Society Series C: Applied Statistics, 2012, 61, 665-691.	0.5	25
22	Spinâ€up of UK Earth System Model 1 (UKESM1) for CMIP6. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001933.	1.3	25
23	Evaluating the physical and biogeochemical state of the global ocean component of UKESM1 in CMIP6 historical simulations. Geoscientific Model Development, 2021, 14, 3437-3472.	1.3	25
24	Fullâ€depth temperature trends in the northeastern Atlantic through the early 21st century. Geophysical Research Letters, 2014, 41, 7971-7979.	1.5	23
25	The accuracy of estimates of the overturning circulation from basin-wide mooring arrays. Progress in Oceanography, 2018, 160, 101-123.	1.5	23
26	Acceleration of the Antarctic Circumpolar Current by Wind Stress along the Coast of Antarctica. Journal of Physical Oceanography, 2013, 43, 2772-2784.	0.7	22
27	Obtaining diverse behaviors in a climate model without the use of flux adjustments. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2781-2793.	1.2	20
28	The Surface-Forced Overturning of the North Atlantic: Estimates from Modern Era Atmospheric Reanalysis Datasets. Journal of Climate, 2014, 27, 3596-3618.	1.2	20
29	Evolving Bayesian Emulators for Structured Chaotic Time Series, with Application to Large Climate Models. SIAM-ASA Journal on Uncertainty Quantification, 2014, 2, 1-28.	1.1	20
30	Identifying the roles of the ocean and atmosphere in creating a rapid equatorial response to a Southern Ocean anomaly. Geophysical Research Letters, 2006, 33, .	1.5	19
31	Ocean and atmosphere influence on the 2015 European heatwave. Environmental Research Letters, 2019, 14, 114035.	2.2	18
32	Labrador Slope Water connects the subarctic with the Gulf Stream. Environmental Research Letters, 2021, 16, 084019.	2.2	16
33	A numerical model study of the effects of interannual time scale wave propagation on the predictability of the Atlantic meridional overturning circulation. Journal of Geophysical Research: Oceans, 2013, 118, 131-146.	1.0	15
34	Loop Current Variability as Trigger of Coherent Gulf Stream Transport Anomalies. Journal of Physical Oceanography, 2019, 49, 2115-2132.	0.7	14
35	Mechanisms for Late 20th and Early 21st Century Decadal AMOC Variability. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017865.	1.0	14
36	Modelâ€Derived Uncertainties in Deep Ocean Temperature Trends Between 1990 and 2010. Journal of Geophysical Research: Oceans, 2019, 124, 1155-1169.	1.0	13

#	Article	IF	Citations
37	Labrador Sea subsurface density as a precursor of multidecadal variability in the North Atlantic: a multi-model study. Earth System Dynamics, 2021, 12, 419-438.	2.7	13
38	Influence of Bottom Topography on Integral Constraints in Zonal Flows with Parameterized Potential Vorticity Fluxes. Journal of Physical Oceanography, 2013, 43, 311-323.	0.7	10
39	Rapid ocean wave teleconnections linking Antarctic salinity anomalies to the equatorial oceanâ€atmosphere system. Geophysical Research Letters, 2009, 36, .	1.5	9
40	Decadal-timescale changes of the Atlantic overturning circulation and climate in a coupled climate model with a hybrid-coordinate ocean component. Climate Dynamics, 2012, 39, 1021-1042.	1.7	9
41	Wind-Driven Oscillations in the Meridional Overturning Circulation near the equator. Part I: Numerical Models. Journal of Physical Oceanography, 2021, 51, 645-661.	0.7	9
42	On the Near-Inertial Resonance of the Atlantic Meridional Overturning Circulation. Journal of Physical Oceanography, 2013, 43, 2661-2672.	0.7	7
43	Response of the Denmark Strait overflow to Nordic Seas heat loss. Journal of Geophysical Research, 2008, 113, .	3.3	6
44	Re-emergence of North Atlantic subsurface ocean temperature anomalies in a seasonal forecast system. Climate Dynamics, 2019, 53, 4799-4820.	1.7	5
45	Wind-Driven Oscillations in Meridional Overturning Circulations near the Equator. Part II: Idealized Simulations. Journal of Physical Oceanography, 2021, 51, 663-683.	0.7	4
46	FORTE 2.0: a fast, parallel and flexible coupled climate model. Geoscientific Model Development, 2021, 14, 275-293.	1.3	3
47	TAO Data Support the Existence of Large High Frequency Variations in Crossâ€Equatorial Overturning Circulation. Geophysical Research Letters, 2022, 49, .	1.5	2
48	Chaotic variability of the Atlantic meridional overturning circulation at sub-annual time scales. Journal of Physical Oceanography, 2022, , .	0.7	1