Johanna Baehr

List of Publications by Year
in descending order

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54	1,500	361413	330143
papers	citations	20 h-index	37 g-index

73	73	73	1995
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impact of Decadal Trends in the Surface Climate of the North Atlantic Subpolar Gyre on the Marine Environment of the Barents Sea. Frontiers in Marine Science, 2022, 8, .	2.5	6
2	Exploring the Potential of Forecasting Fish Distributions in the North East Atlantic With a Dynamic Earth System Model, Exemplified by the Suitable Spawning Habitat of Blue Whiting. Frontiers in Marine Science, 2022, 8, .	2.5	4
3	Increase in Arctic coastal erosion and its sensitivity to warming in the twenty-first century. Nature Climate Change, 2022, 12, 263-270.	18.8	37
4	Self-Organizing Maps Identify Windows of Opportunity for Seasonal European Summer Predictions. Frontiers in Climate, 2022, 4, .	2.8	2
5	Seasonal climate predictions for marine risk assessment in the Barents Sea. Climate Services, 2022, 26, 100291.	2.5	2
6	Nonlocal and local wind forcing dependence of the Atlantic meridional overturning circulation and its depth scale. Ocean Science, 2022, 18, 979-996.	3.4	0
7	When Does the Lorenz 1963 Model Exhibit the Signalâ€Toâ€Noise Paradox?. Geophysical Research Letters, 2021, 48, e2020GL089283.	4.0	4
8	The German Climate Forecast System: GCFS. Journal of Advances in Modeling Earth Systems, 2021, 13, e2020MS002101.	3.8	30
9	Predictors and prediction skill for marine coldâ€air outbreaks over the Barents Sea. Quarterly Journal of the Royal Meteorological Society, 2021, 147, 2638-2656.	2.7	5
10	On the Origin of Discrepancies Between Observed and Simulated Memory of Arctic Sea Ice. Geophysical Research Letters, 2021, 48, e2020GL091784.	4.0	4
11	Skilful prediction of cod stocks in the North and Barents Sea a decade in advance. Communications Earth & Environment, 2021, 2, .	6.8	14
12	Subtle influence of the Atlantic Meridional Overturning CirculationÂ(AMOC) on seasonal sea surface temperature (SST) hindcast skill in the North Atlantic. Weather and Climate Dynamics, 2021, 2, 739-757.	3.5	1
13	Improving seasonal predictions of meteorological drought by conditioning on ENSO states. Environmental Research Letters, 2021, 16, 094027.	5.2	2
14	Interactive 3-D visual analysis of ERA5 data: improving diagnostic indices for marine cold air outbreaks and polar lows. Weather and Climate Dynamics, 2021, 2, 867-891.	3.5	7
15	Can Environmental Conditions at North Atlantic Deep-Sea Habitats Be Predicted Several Years Ahead? â€”â€”Taking Sponge Habitats as an Example. Frontiers in Marine Science, 2021, 8, .	2.5	2
16	Linking Ocean Forcing and Atmospheric Interactions to Atlantic Multidecadal Variability in MPIâ€ESM1.2. Geophysical Research Letters, 2020, 47, e2020GL087259.	4.0	14
17	Preserving the coupled atmosphereâ€“ocean feedback in initializations of decadal climate predictions. Wiley Interdisciplinary Reviews: Climate Change, 2020, 11, e637.	8.1	22
18	Coastal Erosion Variability at the Southern Laptev Sea Linked to Winter Sea Ice and the Arctic Oscillation. Geophysical Research Letters, 2020, 47, e2019GL086876.	4.0	20

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19	Unraveling the choice of the north Atlantic subpolar gyre index. Scientific Reports, 2020, 10, 1005.	3.3	27
20	Current and Emerging Developments in Subseasonal to Decadal Prediction. Bulletin of the American Meteorological Society, 2020, 101, E869-E896.	3.3	116
21	A universal Standardized Precipitation Index candidate distribution function for observations and simulations. Hydrology and Earth System Sciences, 2020, 24, 4541-4565.	4.9	23
22	Stratospheric influence on North Atlantic marine cold air outbreaks following sudden stratospheric warming events. Weather and Climate Dynamics, 2020, 1, 541-553.	3.5	17
23	Comparing forecast systems with multiple correlation decomposition based on partial correlation. Advances in Statistical Climatology, Meteorology and Oceanography, 2020, 6, 103-113.	0.9	2
24	Forecast opportunities for European summer climate ensemble predictions using Self-Organising Maps. , 2020, , .		1
25	Atmospheric pathway between Atlantic multidecadal variability and European summer temperature in the atmospheric general circulation model ECHAM6. Climate Dynamics, 2019, 53, 209-224.	3.8	8
26	Forecastâ€Oriented Assessment of Decadal Hindcast Skill for North Atlantic SST. Geophysical Research Letters, 2019, 46, 11444-11454.	4.0	15
27	Predictability of Multiyear Trends of the Pacific Decadal Oscillation in an MPIâ€ESM Hindcast Ensemble. Geophysical Research Letters, 2019, 46, 318-325.	4.0	18
28	Atlantic Inflow to the North Sea Modulated by the Subpolar Gyre in a Historical Simulation With MPIâ€ESM. Journal of Geophysical Research: Oceans, 2019, 124, 1807-1826.	2.6	15
29	Tropical rainfall predictions from multiple seasonal forecast systems. International Journal of Climatology, 2019, 39, 974-988.	3.5	45
30	Initialization and Ensemble Generation for Decadal Climate Predictions: A Comparison of Different Methods. Journal of Advances in Modeling Earth Systems, 2019, 11, 149-172.	3.8	28
31	Seasonal predictability of European summer climate re-assessed. Climate Dynamics, 2019, 53, 3039-3056.	3.8	15
32	Skilful Seasonal Prediction of Ocean Surface Waves in the Atlantic Ocean. Geophysical Research Letters, 2019, 46, 1731-1739.	4.0	4
33	Decadal Predictions of the Probability of Occurrence for Warm Summer Temperature Extremes. Geophysical Research Letters, 2019, 46, 14042-14051.	4.0	16
34	Improved Teleconnectionâ€Based Dynamical Seasonal Predictions of Boreal Winter. Geophysical Research Letters, 2018, 45, 3605-3614.	4.0	55
35	Time dependency of the prediction skill for the North Atlantic subpolar gyre in initialized decadal hindcasts. Climate Dynamics, 2018, 51, 1947-1970.	3.8	20
36	Skill assessment of different ensemble generation schemes for retrospective predictions of surface freshwater fluxes on inter and multi-annual timescales. Meteorologische Zeitschrift, 2018, 27, 111-124.	1.0	3

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37	Improved Seasonal Prediction of European Summer Temperatures With New Fiveâ€Layer Soilâ€Hydrology Scheme. Geophysical Research Letters, 2018, 45, 346-353.	4.0	14
38	Atlantic Ocean Heat Transport Influences Interannual-to-Decadal Surface Temperature Predictability in the North Atlantic Region. Journal of Climate, 2018, 31, 6763-6782.	3.2	25
39	Full-field initialized decadal predictions with the MPI earth system model: an initial shock in the North Atlantic. Climate Dynamics, 2018, 51, 2593-2608.	3.8	23
40	A Higherâ€resolution Version of the Max Planck Institute Earth System Model (MPIâ€ESM1.2â€HR). Journal of Advances in Modeling Earth Systems, 2018, 10, 1383-1413.	3.8	272
41	Impact of observed North Atlantic multidecadal variations to European summer climate: a linear baroclinic response to surface heating. Climate Dynamics, 2017, 48, 3547-3563.	3.8	62
42	Seasonal climate forecasts significantly affected by observational uncertainty of Arctic sea ice concentration. Geophysical Research Letters, 2016, 43, 852-859.	4.0	37
43	The Climateâ€system Historical Forecast Project: do stratosphereâ€resolving models make better seasonal climate predictions in boreal winter?. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 1413-1427.	2.7	91
44	Assimilation of oceanic observations in a global coupled Earth system model with the SEIK filter. Ocean Modelling, 2015, 96, 254-264.	2.4	27
45	Detection and Attribution of Climate Change Signal in Ocean Wind Waves. Journal of Climate, 2015, 28, 1578-1591.	3.2	40
46	The prediction of surface temperature in the new seasonal prediction system based on the MPI-ESM coupled climate model. Climate Dynamics, 2015, 44, 2723-2735.	3.8	55
47	Seasonal Predictability over Europe Arising from El NiÃ±o and Stratospheric Variability in the MPI-ESM Seasonal Prediction System. Journal of Climate, 2015, 28, 256-271.	3.2	100
48	Limitations of the potential predictability of meridional mass and heat transports in the North Atlantic. Geophysical Research Letters, 2014, 41, 4270-4276.	4.0	1
49	Ensemble initialization of the oceanic component of a coupled model through bred vectors at seasonal-to-interannual timescales. Geoscientific Model Development, 2014, 7, 453-461.	3.6	22
50	Simulations of a Line W-based observing system for the Atlantic meridional overturning circulation. Ocean Dynamics, 2013, 63, 865-880.	2.2	2
51	Observed and simulated variability of the AMOC at 26Â°N and 41Â°N. Geophysical Research Letters, 2013, 40, 1159-1164.	4.0	40
52	Potential Predictability of the North Atlantic Heat Transport Based on an Oceanic State Estimate. Journal of Climate, 2012, 25, 8475-8486.	3.2	11
53	Response to Comment on â€œMultiyear Prediction of Monthly Mean Atlantic Meridional Overturning Circulation at 26.5Â°Nâ€• Science, 2012, 338, 604-604.	12.6	6
54	Forecast skill of multiâ€year seasonal means in the decadal prediction system of the Max Planck Institute for Meteorology. Geophysical Research Letters, 2012, 39, .	4.0	67