Pablo Ortega

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4376090/publications.pdf

Version: 2024-02-01

52 papers	2,479 citations	331538 21 h-index	214721 47 g-index
76 all docs	76 docs citations	76 times ranked	3760 citing authors

#	Article	IF	Citations
1	Trends, variability and predictive skill of the ocean heat content in North Atlantic: an analysis with the EC-Earth3 model. Climate Dynamics, 2022, 58, 1311-1328.	1.7	2
2	PARASO, a circum-Antarctic fully coupled ice-sheetâ€“oceanâ€“sea-iceâ€“atmosphereâ€“land model involving f.ETISh1.7, NEMO3.6, LIM3.6, COSMO5.0 and CLM4.5. Geoscientific Model Development, 2022, 15, 553-594.	1.3	15
3	Robust but weak winter atmospheric circulation response to future Arctic sea ice loss. Nature Communications, 2022, 13, 727.	5.8	67
4	Atlantic circulation change still uncertain. Nature Geoscience, 2022, 15, 165-167.	5.4	29
5	The EC-Earth3 Earth system model for the Coupled Model Intercomparison Project 6. Geoscientific Model Development, 2022, 15, 2973-3020.	1.3	192
6	Propagation of Thermohaline Anomalies and Their Predictive Potential along the Atlantic Water Pathway. Journal of Climate, 2022, 35, 2111-2131.	1.2	3
7	Added value of assimilating springtime Arctic sea ice concentration in summer-fall climate predictions. Environmental Research Letters, 2022, 17, 064008.	2.2	3
8	An anatomy of Arctic sea ice forecast biases in the seasonal prediction system with EC-Earth. Climate Dynamics, 2021, 56, 1799-1813.	1.7	7
9	Assessment of a full-field initialized decadal climate prediction system with the CMIP6 version of EC-Earth. Earth System Dynamics, 2021, 12, 173-196.	2.7	32
10	Impact of equatorial Atlantic variability on ENSO predictive skill. Nature Communications, 2021, 12, 1612.	5.8	20
11	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
12	Atmospheric feedback explains disparate climate response to regional Arctic sea-ice loss. Npj Climate and Atmospheric Science, 2021, 4, .	2.6	7
13	Can we trust CMIP5/6 future projections of European winter precipitation?. Environmental Research Letters, 2021, 16, 054063.	2.2	12
14	Deep mixed ocean volume in the Labrador Sea in HighResMIP models. Climate Dynamics, 2021, 57, 1895-1918.	1.7	22
15	A Novel Initialization Technique for Decadal Climate Predictions. Frontiers in Climate, 2021, 3, .	1.3	3
16	The potential of numerical prediction systems to support the design of Arctic observing systems: Insights from the <scp>APPLICATE</scp> and <scp>YOPP</scp> projects. Quarterly Journal of the Royal Meteorological Society, 2021, 147, 3863-3877.	1.0	6
17	Constraining decadal variability yields skillful projections of nearâ€term climate change. Geophysical Research Letters, 2021, 48, e2021GL094915.	1.5	8
18	Modes of climate variability: Synthesis and review of proxy-based reconstructions through the Holocene. Earth-Science Reviews, 2020, 209, 103286.	4.0	41

#	Article	IF	Citations
19	Sensitivity of the Atlantic Meridional Overturning Circulation to Model Resolution in CMIP6 HighResMIP Simulations and Implications for Future Changes. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS002014.	1.3	59
20	North Atlantic climate far more predictable than models imply. Nature, 2020, 583, 796-800.	13.7	158
21	Reconstructing climatic modes of variability from proxy records using ClimIndRec version 1.0. Geoscientific Model Development, 2020, 13, 841-858.	1.3	10
22	Summer predictions of Arctic sea ice edge in multi-model seasonal re-forecasts. Climate Dynamics, 2020, 54, 5013-5029.	1.7	11
23	Link Between Autumnal Arctic Sea Ice and Northern Hemisphere Winter Forecast Skill. Geophysical Research Letters, 2020, 47, e2019GL086753.	1.5	9
24	Robust Multiyear Climate Impacts of Volcanic Eruptions in Decadal Prediction Systems. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031739.	1.2	15
25	Impact of the ice thickness distribution discretization on the sea ice concentration variability in the NEMO3.6â€“LIM3 global oceanâ€“sea ice model. Geoscientific Model Development, 2020, 13, 4773-4787.	1.3	8
26	The Biggest Unknowns Related to Decadal Prediction: What 50 Experts Think Are the 5 Major Knowledge Gaps. Bulletin of the American Meteorological Society, 2019, 100, ES255-ES259.	1.7	2
27	December 2016: Linking the Lowest Arctic Sea-Ice Extent on Record with the Lowest European Precipitation Event on Record. Bulletin of the American Meteorological Society, 2019, 100, S43-S48.	1.7	9
28	Insights into Decadal North Atlantic Sea Surface Temperature and Ocean Heat Content Variability from an Eddy-Permitting Coupled Climate Model. Journal of Climate, 2019, 32, 6137-6161.	1.2	12
29	Variability in the Northern North Atlantic and Arctic Oceans Across the Last Two Millennia: A Review. Paleoceanography and Paleoclimatology, 2019, 34, 1399-1436.	1.3	53
30	Anomalously weak Labrador Sea convection and Atlantic overturning during the past 150 years. Nature, 2018, 556, 227-230.	13.7	293
31	How Robust Are the Surface Temperature Fingerprints of the Atlantic Overturning Meridional Circulation on Monthly Time Scales?. Geophysical Research Letters, 2018, 45, 3559-3567.	1.5	10
32	Assessing reconstruction techniques of the Atlantic Ocean circulation variability during the last millennium. Climate Dynamics, 2017, 48, 799-819.	1.7	11
33	Climate response to the Samalas volcanic eruption in 1257 revealed by proxy records. Nature Geoscience, 2017, 10, 123-128.	5.4	130
34	Impact of explosive volcanic eruptions on the main climate variability modes. Global and Planetary Change, 2017, 150, 24-45.	1.6	88
35	Estimating Changes in Global Temperature since the Preindustrial Period. Bulletin of the American Meteorological Society, 2017, 98, 1841-1856.	1.7	238
36	Mechanisms of decadal variability in the Labrador Sea and the wider North Atlantic in a high-resolution climate model. Climate Dynamics, 2017, 49, 2625-2647.	1.7	37

#	Article	IF	Citations
37	Reconstructing extreme AMOC events through nudging of the ocean surface: a perfect model approach. Climate Dynamics, 2017, 49, 3425-3441.	1.7	9
38	A last millennium perspective on North Atlantic variability: exploiting synergies between models and proxy data. Past Global Change Magazine, 2017, 25, 61-67.	0.4	13
39	Water and carbon stable isotope records from natural archives: a new database and interactive online platform for data browsing, visualizing and downloading. Climate of the Past, 2016, 12, 1693-1719.	1.3	6
40	Clouding the warming. Nature Geoscience, 2016, 9, 567-568.	5.4	0
41	A reversal of climatic trends in the North Atlantic since 2005. Nature Geoscience, 2016, 9, 513-517.	5.4	174
42	Decadal prediction skill in the ocean with surface nudging in the IPSL-CM5A-LR climate model. Climate Dynamics, 2016, 47, 1225-1246.	1.7	21
43	Reconciling reconstructed and simulated features of the winter Pacific/North American pattern in the early 19th century. Climate of the Past, 2015, 11, 939-958.	1.3	19
44	Recent changes in north-west Greenland climate documented by NEEM shallow ice core data and simulations, and implications for past-temperature reconstructions. Cryosphere, 2015, 9, 1481-1504.	1.5	41
45	A model-tested North Atlantic Oscillation reconstruction for the past millennium. Nature, 2015, 523, 71-74.	13.7	255
46	Bidecadal North Atlantic ocean circulation variability controlled by timing of volcanic eruptions. Nature Communications, 2015, 6, 6545.	5.8	101
47	Reconciling two alternative mechanisms behind bi-decadal variability in the North Atlantic. Progress in Oceanography, 2015, 137, 237-249.	1.5	39
48	Characterizing atmospheric circulation signals in Greenland ice cores: insights from a weather regime approach. Climate Dynamics, 2014, 43, 2585-2605.	1.7	29
49	Impact of precipitation intermittency on NAO-temperature signals in proxy records. Climate of the Past, 2013, 9, 871-886.	1.3	26
50	Variability of the ocean heat content during the last millennium â€“ an assessment with the ECHO-g Model. Climate of the Past, 2013, 9, 547-565.	1.3	7
51	Variability of the Atlantic meridional overturning circulation in the last millennium and two IPCC scenarios. Climate Dynamics, 2012, 38, 1925-1947.	1.7	27
52	Processes governing the predictability of the Atlantic meridional overturning circulation in a coupled GCM. Climate Dynamics, 2011, 37, 1771-1782.	1.7	18