Pablo Ortega

List of Publications by Year
in descending order

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52 papers	2,479 citations	331670 21 h-index	214800 47 g-index
76 all docs	76 docs citations	76 times ranked	3760 citing authors

#	Article	IF	Citations
1	Anomalously weak Labrador Sea convection and Atlantic overturning during the past 150 years. Nature, 2018, 556, 227-230.	27.8	293
2	A model-tested North Atlantic Oscillation reconstruction for the past millennium. Nature, 2015, 523, 71-74.	27.8	255
3	Estimating Changes in Global Temperature since the Preindustrial Period. Bulletin of the American Meteorological Society, 2017, 98, 1841-1856.	3.3	238
4	The EC-Earth3 Earth system model for the Coupled Model Intercomparison Project 6. Geoscientific Model Development, 2022, 15, 2973-3020.	3.6	192
5	A reversal of climatic trends in the North Atlantic since 2005. Nature Geoscience, 2016, 9, 513-517.	12.9	174
6	North Atlantic climate far more predictable than models imply. Nature, 2020, 583, 796-800.	27.8	158
7	Climate response to the Samalas volcanic eruption in 1257 revealed by proxy records. Nature Geoscience, 2017, 10, 123-128.	12.9	130
8	Bidecadal North Atlantic ocean circulation variability controlled by timing of volcanic eruptions. Nature Communications, 2015, 6, 6545.	12.8	101
9	Impact of explosive volcanic eruptions on the main climate variability modes. Global and Planetary Change, 2017, 150, 24-45.	3.5	88
10	Robust but weak winter atmospheric circulation response to future Arctic sea ice loss. Nature Communications, 2022, 13, 727.	12.8	67
11	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.	3.8	59
12	Variability in the Northern North Atlantic and Arctic Oceans Across the Last Two Millennia: A Review. Paleoceanography and Paleoclimatology, 2019, 34, 1399-1436.	2.9	53
13	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.	3.9	41
14	Modes of climate variability: Synthesis and review of proxy-based reconstructions through the Holocene. Earth-Science Reviews, 2020, 209, 103286.	9.1	41
15	Reconciling two alternative mechanisms behind bi-decadal variability in the North Atlantic. Progress in Oceanography, 2015, 137, 237-249.	3.2	39
16	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.	3.8	37
17	Assessment of a full-field initialized decadal climate prediction system with the CMIP6 version of EC-Earth. Earth System Dynamics, 2021, 12, 173-196.	7.1	32
18	Characterizing atmospheric circulation signals in Greenland ice cores: insights from a weather regime approach. Climate Dynamics, 2014, 43, 2585-2605.	3.8	29

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19	Atlantic circulation change still uncertain. Nature Geoscience, 2022, 15, 165-167.	12.9	29
20	Variability of the Atlantic meridional overturning circulation in the last millennium and two IPCC scenarios. Climate Dynamics, 2012, 38, 1925-1947.	3.8	27
21	Impact of precipitation intermittency on NAO-temperature signals in proxy records. Climate of the Past, 2013, 9, 871-886.	3.4	26
22	Deep mixed ocean volume in the Labrador Sea in HighResMIP models. Climate Dynamics, 2021, 57, 1895-1918.	3.8	22
23	Decadal prediction skill in the ocean with surface nudging in the IPSL-CM5A-LR climate model. Climate Dynamics, 2016, 47, 1225-1246.	3.8	21
24	Impact of equatorial Atlantic variability on ENSO predictive skill. Nature Communications, 2021, 12, 1612.	12.8	20
25	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.	3.4	19
26	Processes governing the predictability of the Atlantic meridional overturning circulation in a coupled GCM. Climate Dynamics, 2011, 37, 1771-1782.	3.8	18
27	Robust Multiyear Climate Impacts of Volcanic Eruptions in Decadal Prediction Systems. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031739.	3.3	15
28	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.	3.6	15
29	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.	7.1	13
30	A last millennium perspective on North Atlantic variability: exploiting synergies between models and proxy data. Past Global Change Magazine, 2017, 25, 61-67.	0.1	13
31	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.	3.2	12
32	Can we trust CMIP5/6 future projections of European winter precipitation?. Environmental Research Letters, 2021, 16, 054063.	5.2	12
33	Assessing reconstruction techniques of the Atlantic Ocean circulation variability during the last millennium. Climate Dynamics, 2017, 48, 799-819.	3.8	11
34	Summer predictions of Arctic sea ice edge in multi-model seasonal re-forecasts. Climate Dynamics, 2020, 54, 5013-5029.	3.8	11
35	How Robust Are the Surface Temperature Fingerprints of the Atlantic Overturning Meridional Circulation on Monthly Time Scales?. Geophysical Research Letters, 2018, 45, 3559-3567.	4.0	10
36	Reconstructing climatic modes of variability from proxy records using ClimIndRec version 1.0. Geoscientific Model Development, 2020, 13, 841-858.	3.6	10

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37	Reconstructing extreme AMOC events through nudging of the ocean surface: a perfect model approach. Climate Dynamics, 2017, 49, 3425-3441.	3.8	9
38	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.	3.3	9
39	Link Between Autumnal Arctic Sea Ice and Northern Hemisphere Winter Forecast Skill. Geophysical Research Letters, 2020, 47, e2019GL086753.	4.0	9
40	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.	3.6	8
41	Constraining decadal variability yields skillful projections of nearâ€term climate change. Geophysical Research Letters, 2021, 48, e2021GL094915.	4.0	8
42	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.	3.4	7
43	An anatomy of Arctic sea ice forecast biases in the seasonal prediction system with EC-Earth. Climate Dynamics, 2021, 56, 1799-1813.	3.8	7
44	Atmospheric feedback explains disparate climate response to regional Arctic sea-ice loss. Npj Climate and Atmospheric Science, 2021, 4, .	6.8	7
45	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.	3.4	6
46	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.	2.7	6
47	A Novel Initialization Technique for Decadal Climate Predictions. Frontiers in Climate, 2021, 3, .	2.8	3
48	Propagation of Thermohaline Anomalies and Their Predictive Potential along the Atlantic Water Pathway. Journal of Climate, 2022, 35, 2111-2131.	3.2	3
49	Added value of assimilating springtime Arctic sea ice concentration in summer-fall climate predictions. Environmental Research Letters, 2022, 17, 064008.	5.2	3
50	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.	3.3	2
51	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.	3.8	2
52	Clouding the warming. Nature Geoscience, 2016, 9, 567-568.	12.9	0