

# Bette L Otto-bliesner

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8096204/bette-l-otto-bliesner-publications-by-year.pdf>

**Version:** 2024-04-28

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.

229  
papers

19,083  
citations

72  
h-index

135  
g-index

284  
ext. papers

22,212  
ext. citations

8.6  
avg, IF

6.5  
L-index

#	Paper	IF	Citations
229	Atlantic circulation change still uncertain. <i>Nature Geoscience</i> , <b>2022</b> , 15, 165-167	18.3	7
228	Twenty-first century hydroclimate: A continually changing baseline, with more frequent extremes.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2108124119	11.5	5
227	Past terrestrial hydroclimate sensitivity controlled by Earth system feedbacks.. <i>Nature Communications</i> , <b>2022</b> , 13, 1306	17.4	4
226	Calendar effects on surface air temperature and precipitation based on model-ensemble equilibrium and transient simulations from PMIP4 and PACMEDY. <i>Climate of the Past</i> , <b>2022</b> , 18, 1047-1070	3.9	1
225	Reduced El Niño variability in the mid-Pliocene according to the PlioMIP2 ensemble. <i>Climate of the Past</i> , <b>2021</b> , 17, 2427-2450	3.9	2
224	Deglacial variability of South China hydroclimate heavily contributed by autumn rainfall. <i>Nature Communications</i> , <b>2021</b> , 12, 5875	17.4	2
223	Testing Methods for Reconstructing Glacial Antarctic Circumpolar Current Transport in an Isotope-Enabled Climate Model. <i>Paleoceanography and Paleoclimatology</i> , <b>2021</b> , 36, e2020PA004183	3.3	
222	Abrupt Heinrich Stadial 1 cooling missing in Greenland oxygen isotopes. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	9
221	Antarctic surface temperature and elevation during the Last Glacial Maximum. <i>Science</i> , <b>2021</b> , 372, 1097-1101	33.1	10
220	The South Atlantic sub-tropical dipole mode since the last deglaciation and changes in rainfall. <i>Climate Dynamics</i> , <b>2021</b> , 56, 109-122	4.2	4
219	Hydroclimate footprint of pan-Asian monsoon water isotope during the last deglaciation. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	27
218	DeepMIP: model intercomparison of early Eocene climatic optimum (EECO) large-scale climate features and comparison with proxy data. <i>Climate of the Past</i> , <b>2021</b> , 17, 203-227	3.9	26
217	Mid-Pliocene Atlantic Meridional Overturning Circulation simulated in PlioMIP2. <i>Climate of the Past</i> , <b>2021</b> , 17, 529-543	3.9	11
216	Assessment of Equilibrium Climate Sensitivity of the Community Earth System Model Version 2 Through Simulation of the Last Glacial Maximum. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL091220	4.9	9
215	Shallowing Glacial Antarctic Intermediate Water by Changes in Sea Ice and Hydrological Cycle. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL094317	4.9	1
214	Mid-Pliocene West African Monsoon rainfall as simulated in the PlioMIP2 ensemble. <i>Climate of the Past</i> , <b>2021</b> , 17, 1777-1794	3.9	3
213	Deglacial trends in Indo-Pacific warm pool hydroclimate in an isotope-enabled Earth system model and implications for isotope-based paleoclimate reconstructions. <i>Quaternary Science Reviews</i> , <b>2021</b> , 270, 107188	3.9	1

212	A multi-model CMIP6-PMIP4 study of Arctic sea ice at 127 ka: sea ice data compilation and model differences. <i>Climate of the Past</i> , <b>2021</b> , 17, 37-62	3.9	12
211	Large-scale features of Last Interglacial climate: results from evaluating the <i>127k</i> simulations for the Coupled Model Intercomparison Project (CMIP6) Paleoclimate Modeling Intercomparison Project (PMIP4). <i>Climate of the Past</i> , <b>2021</b> , 17, 63-94	3.9	28
210	Understanding Diverse Model Projections of Future Extreme El Niño. <i>Journal of Climate</i> , <b>2021</b> , 34, 449-464.	4.4	13
209	Evaluating the large-scale hydrological cycle response within the Pliocene Model Intercomparison Project Phase 2 (PlioMIP2) ensemble. <i>Climate of the Past</i> , <b>2021</b> , 17, 2537-2558	3.9	2
208	CO2 Increase Experiments Using the CESM: Relationship to Climate Sensitivity and Comparison of CESM1 to CESM2. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2020</b> , 12, e2020MS002120	7.1	12
207	Past climates inform our future. <i>Science</i> , <b>2020</b> , 370,	33.3	70
206	The Community Earth System Model Version 2 (CESM2). <i>Journal of Advances in Modeling Earth Systems</i> , <b>2020</b> , 12, e2019MS001916	7.1	358
205	Simulation of early Eocene water isotopes using an Earth system model and its implication for past climate reconstruction. <i>Earth and Planetary Science Letters</i> , <b>2020</b> , 537, 116164	5.3	15
204	Causes and Climatic Consequences of the Impact Winter at the Cretaceous-Paleogene Boundary. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e60121	4.9	13
203	High climate sensitivity in CMIP6 model not supported by paleoclimate. <i>Nature Climate Change</i> , <b>2020</b> , 10, 378-379	21.4	36
202	Paleoclimate Constraints on the Spatiotemporal Character of Past and Future Droughts. <i>Journal of Climate</i> , <b>2020</b> , 33, 9883-9903	4.4	6
201	Lessons from a high-CO <sub>2</sub> world: an ocean view from ~ 3 million years ago. <i>Climate of the Past</i> , <b>2020</b> , 16, 1599-1615	3.9	23
200	Comparison of past and future simulations of ENSO in CMIP5/PMIP3 and CMIP6/PMIP4 models. <i>Climate of the Past</i> , <b>2020</b> , 16, 1777-1805	3.9	16
199	Large-scale features and evaluation of the PMIP4-CMIP6 <i>mid-Holocene</i> simulations. <i>Climate of the Past</i> , <b>2020</b> , 16, 1847-1872	3.9	37
198	The Pliocene Model Intercomparison Project Phase 2: large-scale climate features and climate sensitivity. <i>Climate of the Past</i> , <b>2020</b> , 16, 2095-2123	3.9	39
197	Evaluation of Arctic warming in mid-Pliocene climate simulations. <i>Climate of the Past</i> , <b>2020</b> , 16, 2325-2341	4.9	8
196	Persistent Quaternary climate refugia are hospices for biodiversity in the Anthropocene. <i>Nature Climate Change</i> , <b>2020</b> , 10, 244-248	21.4	38
195	An Efficient Ice Sheet/Earth System Model Spin-up Procedure for CESM2-CISM2: Description, Evaluation, and Broader Applicability. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2020</b> , 12, e2019MS001984	7.1	1984

194	A Comparison of the CMIP6 midHolocene and lig127k Simulations in CESM2. <i>Paleoceanography and Paleoclimatology</i> , <b>2020</b> , 35, e2020PA003957	3.3	4
193	N <sub>2</sub> and O <sub>2</sub> changes from the Last Glacial Maximum to the preindustrial [Part 2]: terrestrial N <sub>2</sub> and O <sub>2</sub> emissions and carbon/nitrogen cycle interactions. <i>Biogeosciences</i> , <b>2020</b> , 17, 3511-3543	4.6	3
192	Speleothems of South American and Asian Monsoons Influenced by a Green Sahara. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL089695	4.9	4
191	StableClim, continuous projections of climate stability from 21000 BP to 2100 CE at multiple spatial scales. <i>Scientific Data</i> , <b>2020</b> , 7, 335	8.2	2
190	Drier tropical and subtropical Southern Hemisphere in the mid-Pliocene Warm Period. <i>Scientific Reports</i> , <b>2020</b> , 10, 13458	4.9	8
189	Increased Climate Response and Earth System Sensitivity From CCSM4 to CESM2 in Mid-Pliocene Simulations. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2020</b> , 12, e2019MS002033	7.1	14
188	Global River Discharge and Floods in the Warmer Climate of the Last Interglacial. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL089375	4.9	4
187	Using paleo-archives to safeguard biodiversity under climate change. <i>Science</i> , <b>2020</b> , 369,	33.3	34
186	North Atlantic subsurface temperature response controlled by effective freshwater input in Heinrich Events. <i>Earth and Planetary Science Letters</i> , <b>2020</b> , 539, 116247	5.3	9
185	The Connected Isotopic Water Cycle in the Community Earth System Model Version 1. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2019</b> , 11, 2547-2566	7.1	58
184	The penultimate deglaciation: protocol for Paleoclimate Modelling Intercomparison Project (PMIP) phase 4 transient numerical simulations between 140 and 127 ka, version 1.0. <i>Geoscientific Model Development</i> , <b>2019</b> , 12, 3649-3685	6.3	16
183	Climate Responses to the Splitting of a Supercontinent: Implications for the Breakup of Pangea. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 6059-6068	4.9	6
182	What can Palaeoclimate Modelling do for you?. <i>Earth Systems and Environment</i> , <b>2019</b> , 3, 1-18	7.5	23
181	Volcanic Eruption Signatures in the Isotope-Enabled Last Millennium Ensemble. <i>Paleoceanography and Paleoclimatology</i> , <b>2019</b> , 34, 1534-1552	3.3	15
180	Pliocene Warmth Consistent With Greenhouse Gas Forcing. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 9136-9144	4.4	47
179	Contributions of aerosol-cloud interactions to mid-Piacenzian seasonally sea ice-free Arctic Ocean. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 9920-9929	4.9	9
178	South Atlantic Surface Boundary Current System during the Last Millennium in the CESM-LME: The Medieval Climate Anomaly and Little Ice Age. <i>Geosciences (Switzerland)</i> , <b>2019</b> , 9, 299	2.7	3
177	Challenges and research priorities to understand interactions between climate, ice sheets and global mean sea level during past interglacials. <i>Quaternary Science Reviews</i> , <b>2019</b> , 219, 308-311	3.9	8

176	The Influence of Volcanic Aerosol Meridional Structure on Monsoon Responses over the Last Millennium. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 12350-12359	4.9	7
175	The mid-Piacenzian of the North Atlantic Ocean. <i>Stratigraphy</i> , <b>2019</b> , 16, 119-144	1	11
174	Agreement between reconstructed and modeled boreal precipitation of the Last Interglacial. <i>Science Advances</i> , <b>2019</b> , 5, eaax7047	14.3	25
173	Forced changes to twentieth century ENSO diversity in a last Millennium context. <i>Climate Dynamics</i> , <b>2019</b> , 52, 7359-7374	4.2	13
172	Climate Variability, Volcanic Forcing, and Last Millennium Hydroclimate Extremes. <i>Journal of Climate</i> , <b>2018</b> , 31, 4309-4327	4.4	33
171	ENSO's Changing Influence on Temperature, Precipitation, and Wildfire in a Warming Climate. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 9216-9225	4.9	68
170	Glacial changes in tropical climate amplified by the Indian Ocean. <i>Science Advances</i> , <b>2018</b> , 4, eaat9658	14.3	40
169	Pliocene and Eocene provide best analogs for near-future climates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 13288-13293	11.5	137
168	Past and future global transformation of terrestrial ecosystems under climate change. <i>Science</i> , <b>2018</b> , 361, 920-923	33.3	179
167	Interpreting Precession-Driven $\delta^{18}O$ Variability in the South Asian Monsoon Region. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 5927-5946	4.4	30
166	The PMIP4 contribution to CMIP6 [Part 1: Overview and over-arching analysis plan. <i>Geoscientific Model Development</i> , <b>2018</b> , 11, 1033-1057	6.3	106
165	Palaeoclimate constraints on the impact of 2 °C anthropogenic warming and beyond. <i>Nature Geoscience</i> , <b>2018</b> , 11, 474-485	18.3	115
164	Role of eruption season in reconciling model and proxy responses to tropical volcanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 1822-1826	11.5	74
163	Reduced ENSO variability at the LGM revealed by an isotope-enabled Earth system model. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 6984-6992	4.9	49
162	PaleoView: a tool for generating continuous climate projections spanning the last 21 000 years at regional and global scales. <i>Ecography</i> , <b>2017</b> , 40, 1348-1358	6.5	81
161	Amplified Late Pliocene terrestrial warmth in northern high latitudes from greater radiative forcing and closed Arctic Ocean gateways. <i>Earth and Planetary Science Letters</i> , <b>2017</b> , 466, 129-138	5.3	24
160	Amplified North Atlantic warming in the late Pliocene by changes in Arctic gateways. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 957-964	4.9	38
159	The amplifying influence of increased ocean stratification on a future year without a summer. <i>Nature Communications</i> , <b>2017</b> , 8, 1236	17.4	17

158	The DeepMIP contribution to PMIP4: experimental design for model simulations of the EECO, PETM, and pre-PETM (version 1.0). <i>Geoscientific Model Development</i> , <b>2017</b> , 10, 889-901	6.3	62
157	The PMIP4 contribution to CMIP6 [Part 2: Two interglacials, scientific objective and experimental design for Holocene and Last Interglacial simulations. <i>Geoscientific Model Development</i> , <b>2017</b> , 10, 3979-4003	6.3	92
156	The PMIP4 contribution to CMIP6 [Part 4: Scientific objectives and experimental design of the PMIP4-CMIP6 Last Glacial Maximum experiments and PMIP4 sensitivity experiments <b>2017</b> ,		1
155	Investigating the Direct Meltwater Effect in Terrestrial Oxygen-Isotope Paleoclimate Records Using an Isotope-Enabled Earth System Model. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 12,501	4.9	6
154	The PMIP4 contribution to CMIP6 [Part 4: Scientific objectives and experimental design of the PMIP4-CMIP6 Last Glacial Maximum experiments and PMIP4 sensitivity experiments. <i>Geoscientific Model Development</i> , <b>2017</b> , 10, 4035-4055	6.3	98
153	Abrupt Blling warming and ice saddle collapse contributions to the Meltwater Pulse 1a rapid sea level rise. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 9130-9137	4.9	46
152	Evolution of moisture transport to the western U.S. during the last deglaciation. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 3468-3477	4.9	18
151	The climate response of the Indo-Pacific warm pool to glacial sea level. <i>Paleoceanography</i> , <b>2016</b> , 31, 866-894		51
150	Climate Variability and Change since 850 CE: An Ensemble Approach with the Community Earth System Model. <i>Bulletin of the American Meteorological Society</i> , <b>2016</b> , 97, 735-754	6.1	270
149	El Niño Like Hydroclimate Responses to Last Millennium Volcanic Eruptions. <i>Journal of Climate</i> , <b>2016</b> , 29, 2907-2921	4.4	107
148	The PMIP4 contribution to CMIP6 [Part 2: Two Interglacials, Scientific Objective and Experimental Design for Holocene and Last Interglacial Simulations <b>2016</b> ,		7
147	Arctic sea ice simulation in the PlioMIP ensemble. <i>Climate of the Past</i> , <b>2016</b> , 12, 749-767	3.9	15
146	The Pliocene Model Intercomparison Project (PlioMIP) Phase 2: scientific objectives and experimental design. <i>Climate of the Past</i> , <b>2016</b> , 12, 663-675	3.9	90
145	PMIP4-CMIP6: the contribution of the Paleoclimate Modelling Intercomparison Project to CMIP6 <b>2016</b> ,		17
144	The cause of Late Cretaceous cooling: A multimodel-proxy comparison. <i>Geology</i> , <b>2016</b> , 44, 963-966	5	36
143	Regional and global forcing of glacier retreat during the last deglaciation. <i>Nature Communications</i> , <b>2015</b> , 6, 8059	17.4	55
142	Stochastic Atmospheric Forcing as a Cause of Greenland Climate Transitions. <i>Journal of Climate</i> , <b>2015</b> , 28, 7741-7763	4.4	50
141	Carbon isotopes in the ocean model of the Community Earth System Model (CESM1). <i>Geoscientific Model Development</i> , <b>2015</b> , 8, 2419-2434	6.3	26

140	Ice-sheet configuration in the CMIP5/PMIP3 Last Glacial Maximum experiments. <i>Geoscientific Model Development</i> , <b>2015</b> , 8, 3621-3637	6.3	68
139	Using results from the PlioMIP ensemble to investigate the Greenland Ice Sheet during the mid-Pliocene Warm Period. <i>Climate of the Past</i> , <b>2015</b> , 11, 403-424	3.9	29
138	Twelve thousand years of dust: the Holocene global dust cycle constrained by natural archives. <i>Climate of the Past</i> , <b>2015</b> , 11, 869-903	3.9	84
137	The time-transgressive termination of the African Humid Period. <i>Nature Geoscience</i> , <b>2015</b> , 8, 140-144	18.3	251
136	Greenland temperature response to climate forcing during the last deglaciation. <i>Science</i> , <b>2014</b> , 345, 1177-80	33.9	171
135	A major advance of tropical Andean glaciers during the Antarctic cold reversal. <i>Nature</i> , <b>2014</b> , 513, 224-8	50.4	68
134	Chinese cave records and the East Asia Summer Monsoon. <i>Quaternary Science Reviews</i> , <b>2014</b> , 83, 115-128	9	344
133	The role of North Brazil Current transport in the paleoclimate of the Brazilian Nordeste margin and paleoceanography of the western tropical Atlantic during the late Quaternary. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2014</b> , 415, 3-13	2.9	42
132	Large sensitivity to freshwater forcing location in 8.2 ka simulations. <i>Paleoceanography</i> , <b>2014</b> , 29, 930-945		14
131	Reconstruction of the South Atlantic Subtropical Dipole index for the past 12,000 years from surface temperature proxy. <i>Scientific Reports</i> , <b>2014</b> , 4, 5291	4.9	15
130	Modeling Northern Hemisphere ice-sheet distribution during MIS 5 and MIS 7 glacial inceptions. <i>Climate of the Past</i> , <b>2014</b> , 10, 269-291	3.9	9
129	Evaluating the dominant components of warming in Pliocene climate simulations. <i>Climate of the Past</i> , <b>2014</b> , 10, 79-90	3.9	47
128	Model-proxy comparison for overshoot phenomenon of Atlantic thermohaline circulation at Bølling-Allerød. <i>Science Bulletin</i> , <b>2014</b> , 59, 4510-4515		4
127	The Holocene temperature conundrum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E3501-5	11.5	198
126	Carbon isotopes in the ocean model of the Community Earth System Model (CESM1) <b>2014</b> ,		1
125	Coherent changes of southeastern equatorial and northern African rainfall during the last deglaciation. <i>Science</i> , <b>2014</b> , 346, 1223-7	33.3	138
124	Evolution and forcing mechanisms of El Niño over the past 21,000 years. <i>Nature</i> , <b>2014</b> , 515, 550-3	50.4	165
123	Improved dust representation in the Community Atmosphere Model. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2014</b> , 6, 541-570	7.1	181



122	Temporal and spatial structure of multi-millennial temperature changes at high latitudes during the Last Interglacial. <i>Quaternary Science Reviews</i> , <b>2014</b> , 103, 116-133	3.9	118
121	The ice age ecologist: testing methods for reserve prioritization during the last global warming. <i>Global Ecology and Biogeography</i> , <b>2013</b> , 22, 289-301	6.1	45
120	The amplification of Arctic terrestrial surface temperatures by reduced sea-ice extent during the Pliocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2013</b> , 386, 59-67	2.9	22
119	Model support for forcing of the 8.2 ka event by meltwater from the Hudson Bay ice dome. <i>Climate Dynamics</i> , <b>2013</b> , 41, 2855-2873	4.2	27
118	Challenges in quantifying Pliocene terrestrial warming revealed by data-model discord. <i>Nature Climate Change</i> , <b>2013</b> , 3, 969-974	21.4	110
117	Last Millennium Climate and Its Variability in CCSM4. <i>Journal of Climate</i> , <b>2013</b> , 26, 1085-1111	4.4	168
116	The Continuum of Hydroclimate Variability in Western North America during the Last Millennium. <i>Journal of Climate</i> , <b>2013</b> , 26, 5863-5878	4.4	91
115	Model sensitivity to North Atlantic freshwater forcing at 8.2 ka. <i>Climate of the Past</i> , <b>2013</b> , 9, 955-968	3.9	37
114	LGM permafrost distribution: how well can the latest PMIP multi-model ensembles perform reconstruction?. <i>Climate of the Past</i> , <b>2013</b> , 9, 1697-1714	3.9	32
113	Modeling the climatic drivers of spatial patterns in vegetation composition since the Last Glacial Maximum. <i>Ecography</i> , <b>2013</b> , 36, 460-473	6.5	48
112	Sensitivity to Glacial Forcing in the CCSM4. <i>Journal of Climate</i> , <b>2013</b> , 26, 1901-1925	4.4	129
111	Global Hydrological Cycle Response to Rapid and Slow Global Warming. <i>Journal of Climate</i> , <b>2013</b> , 26, 8781-8786	4.4	15
110	Climatic impacts of fresh water hosing under Last Glacial Maximum conditions: a multi-model study. <i>Climate of the Past</i> , <b>2013</b> , 9, 935-953	3.9	132
109	Simulating the mid-Pliocene Warm Period with the CCSM4 model. <i>Geoscientific Model Development</i> , <b>2013</b> , 6, 549-561	6.3	55
108	Variation of East Asian monsoon precipitation during the past 21 k.y. and potential CO2 forcing. <i>Geology</i> , <b>2013</b> , 41, 1023-1026	5	213
107	Northern Hemisphere forcing of Southern Hemisphere climate during the last deglaciation. <i>Nature</i> , <b>2013</b> , 494, 81-5	50.4	143
106	Sea surface temperature of the mid-Piacenzian ocean: a data-model comparison. <i>Scientific Reports</i> , <b>2013</b> , 3, 2013	4.9	108
105	How warm was the last interglacial? New model-data comparisons. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2013</b> , 371, 20130097	3	96



104	Mid-Pliocene East Asian monsoon climate simulated in the PlioMIP. <i>Climate of the Past</i> , <b>2013</b> , 9, 2085-2099	3.9	49
103	Large-scale features of Pliocene climate: results from the Pliocene Model Intercomparison Project. <i>Climate of the Past</i> , <b>2013</b> , 9, 191-209	3.9	237
102	A multi-model assessment of last interglacial temperatures. <i>Climate of the Past</i> , <b>2013</b> , 9, 699-717	3.9	120
101	Mid-pliocene Atlantic Meridional Overturning Circulation not unlike modern. <i>Climate of the Past</i> , <b>2013</b> , 9, 1495-1504	3.9	48
100	Northern Hemisphere forcing of the last deglaciation in southern Patagonia. <i>Geology</i> , <b>2012</b> , 40, 631-634	5	20
99	Assessing confidence in Pliocene sea surface temperatures to evaluate predictive models. <i>Nature Climate Change</i> , <b>2012</b> , 2, 365-371	21.4	144
98	Global warming preceded by increasing carbon dioxide concentrations during the last deglaciation. <i>Nature</i> , <b>2012</b> , 484, 49-54	50.4	862
97	Evaluation of climate models using palaeoclimatic data. <i>Nature Climate Change</i> , <b>2012</b> , 2, 417-424	21.4	654
96	Global climate evolution during the last deglaciation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, E1134-42	11.5	321
95	Causes of early Holocene desertification in arid central Asia. <i>Climate Dynamics</i> , <b>2012</b> , 38, 1577-1591	4.2	102
94	No-analog climates and shifting realized niches during the late quaternary: implications for 21st-century predictions by species distribution models. <i>Global Change Biology</i> , <b>2012</b> , 18, 1698-1713	11.4	193
93	Climate forcing reconstructions for use in PMIP simulations of the Last Millennium (v1.1). <i>Geoscientific Model Development</i> , <b>2012</b> , 5, 185-191	6.3	202
92	True to Milankovitch: Glacial Inception in the New Community Climate System Model. <i>Journal of Climate</i> , <b>2012</b> , 25, 2226-2239	4.4	31
91	Impact of abrupt deglacial climate change on tropical Atlantic subsurface temperatures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 14348-52	11.5	49
90	Role of the Bering Strait on the hysteresis of the ocean conveyor belt circulation and glacial climate stability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 6417-22	11.5	61
89	Simulating the mid-Pliocene Warm Period with the CCSM4 model <b>2012</b> ,		5
88	Younger Dryas cooling and the Greenland climate response to CO <sub>2</sub> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 11101-4	11.5	70
87	The response of the Walker circulation to Last Glacial Maximum forcing: Implications for detection in proxies. <i>Paleoceanography</i> , <b>2011</b> , 26, n/a-n/a		65

86	The role of ocean thermal expansion in Last Interglacial sea level rise. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	122
85	Pliocene Model Intercomparison Project (PlioMIP): experimental design and boundary conditions (Experiment 2). <i>Geoscientific Model Development</i> , <b>2011</b> , 4, 571-577	6.3	134
84	Impact of North Atlantic IGIN Sea exchange on deglaciation evolution of the Atlantic Meridional Overturning Circulation. <i>Climate of the Past</i> , <b>2011</b> , 7, 935-940	3.9	4
83	Climate forcing reconstructions for use in PMIP simulations of the last millennium (v1.0). <i>Geoscientific Model Development</i> , <b>2011</b> , 4, 33-45	6.3	297
82	The role of meltwater-induced subsurface ocean warming in regulating the Atlantic meridional overturning in glacial climate simulations. <i>Climate Dynamics</i> , <b>2011</b> , 37, 1517-1532	4.2	27
81	Centennial-scale climate change from decadal-paced explosive volcanism: a coupled sea ice-ocean mechanism. <i>Climate Dynamics</i> , <b>2011</b> , 37, 2373-2387	4.2	95
80	Ice-shelf collapse from subsurface warming as a trigger for Heinrich events. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 13415-9	11.5	222
79	Influence of Bering Strait flow and North Atlantic circulation on glacial sea-level changes. <i>Nature Geoscience</i> , <b>2010</b> , 3, 118-121	18.3	117
78	Pliocene Model Intercomparison Project (PlioMIP): experimental design and boundary conditions (Experiment 1). <i>Geoscientific Model Development</i> , <b>2010</b> , 3, 227-242	6.3	144
77	Towards a quantitative understanding of millennial-scale Antarctic warming events. <i>Quaternary Science Reviews</i> , <b>2010</b> , 29, 74-85	3.9	25
76	The sensitivity of the climate response to the magnitude and location of freshwater forcing: last glacial maximum experiments. <i>Quaternary Science Reviews</i> , <b>2010</b> , 29, 56-73	3.9	110
75	EPICA Dome C record of glacial and interglacial intensities. <i>Quaternary Science Reviews</i> , <b>2010</b> , 29, 113-123	3.9	174
74	The science and strategy of the Past Global Changes (PAGES) project. <i>Current Opinion in Environmental Sustainability</i> , <b>2010</b> , 2, 193-201	7.2	6
73	Model evidence for climatic impact of thermohaline circulation on China at the century scale. <i>Science Bulletin</i> , <b>2010</b> , 55, 3215-3221		4
72	Transient simulation of last deglaciation with a new mechanism for Bolling-Allerod warming. <i>Science</i> , <b>2009</b> , 325, 310-4	33.3	654
71	A comparison of PMIP2 model simulations and the MARGO proxy reconstruction for tropical sea surface temperatures at last glacial maximum. <i>Climate Dynamics</i> , <b>2009</b> , 32, 799-815	4.2	112
70	A numerical study of the climate response to lowered Mediterranean Sea level during the Messinian Salinity Crisis. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2009</b> , 279, 41-59	2.9	37
69	Equilibration and variability in a Last Glacial Maximum climate simulation with CCSM3. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	37

68	Climate response to large, high-latitude and low-latitude volcanic eruptions in the Community Climate System Model. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		119
67	Modeling and Data Syntheses of Past Climates: Paleoclimate Modelling Intercomparison Project Phase II Workshop; Estes Park, Colorado, 15-19 September 2008. <i>Eos</i> , <b>2009</b> , 90, 93	1.5	27
66	Recent warming reverses long-term arctic cooling. <i>Science</i> , <b>2009</b> , 325, 1236-9	33.3	515
65	Water isotopes during the Last Glacial Maximum: New general circulation model calculations. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		48
64	Global-Scale Energy and Freshwater Balance in Glacial Climate: A Comparison of Three PMIP2 LGM Simulations. <i>Journal of Climate</i> , <b>2008</b> , 21, 5008-5033	4.4	23
63	Response of Thermohaline Circulation to Freshwater Forcing under Present-Day and LGM Conditions. <i>Journal of Climate</i> , <b>2008</b> , 21, 2239-2258	4.4	63
62	Evaluation of coupled ocean-atmosphere simulations of the mid-Holocene using palaeovegetation data from the northern hemisphere extratropics. <i>Climate Dynamics</i> , <b>2008</b> , 31, 871-890	4.2	39
61	Last Glacial Maximum ocean thermohaline circulation: PMIP2 model intercomparisons and data constraints. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	154
60	The modern and glacial overturning circulation in the Atlantic ocean in PMIP coupled model simulations. <i>Climate of the Past</i> , <b>2007</b> , 3, 51-64	3.9	175
59	Solar influence on climate during the past millennium: results from transient simulations with the NCAR Climate System Model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 3713-8	11.5	282
58	Results of PMIP2 coupled simulations of the Mid-Holocene and Last Glacial Maximum [Part 2: feedbacks with emphasis on the location of the ITCZ and mid- and high latitudes heat budget. <i>Climate of the Past</i> , <b>2007</b> , 3, 279-296	3.9	316
57	A numerical study of the South Atlantic circulation at the Last Glacial Maximum. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2007</b> , 253, 509-528	2.9	14
56	Results of PMIP2 coupled simulations of the Mid-Holocene and Last Glacial Maximum [Part 1: experiments and large-scale features. <i>Climate of the Past</i> , <b>2007</b> , 3, 261-277	3.9	974
55	Climate Sensitivity of Moderate- and Low-Resolution Versions of CCSM3 to Preindustrial Forcings. <i>Journal of Climate</i> , <b>2006</b> , 19, 2567-2583	4.4	70
54	Paleoclimatic evidence for future ice-sheet instability and rapid sea-level rise. <i>Science</i> , <b>2006</b> , 311, 1747-50	33.3	331
53	Last Glacial Maximum and Holocene Climate in CCSM3. <i>Journal of Climate</i> , <b>2006</b> , 19, 2526-2544	4.4	453
52	Simulating Arctic climate warmth and icefield retreat in the last interglaciation. <i>Science</i> , <b>2006</b> , 311, 1751-3	33.3	643
51	Last Glacial Maximum temperatures over the North Atlantic, Europe and western Siberia: a comparison between PMIP models, MARGO sea-surface temperatures and pollen-based reconstructions. <i>Quaternary Science Reviews</i> , <b>2006</b> , 25, 2082-2102	3.9	157

50	Past and future polar amplification of climate change: climate model intercomparisons and ice-core constraints. <i>Climate Dynamics</i> , <b>2006</b> , 26, 513-529	4.2	205
49	Second phase of paleoclimate modelling intercomparison project. <i>Eos</i> , <b>2005</b> , 86, 264	1.5	33
48	Mid-Holocene NAO: A PMIP2 model intercomparison. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	64
47	A multi-model analysis of the role of the ocean on the African and Indian monsoon during the mid-Holocene. <i>Climate Dynamics</i> , <b>2005</b> , 25, 777-800	4.2	92
46	A Numerical Study of the Impact of Greenhouse Gases on the South Atlantic Ocean Climatology. <i>Climatic Change</i> , <b>2004</b> , 66, 163-189	4.5	7
45	Global monsoons in the mid-Holocene and oceanic feedback. <i>Climate Dynamics</i> , <b>2004</b> , 22, 157-182	4.2	178
44	Transient simulations of Holocene atmospheric carbon dioxide and terrestrial carbon since the Last Glacial Maximum. <i>Global Biogeochemical Cycles</i> , <b>2004</b> , 18, n/a-n/a	5.9	174
43	A Simulation of the Last Glacial Maximum climate using the NCAR-CCSM. <i>Climate Dynamics</i> , <b>2003</b> , 20, 127-151	4.2	215
42	Mid-Holocene climates of the Americas: a dynamical response to changed seasonality. <i>Climate Dynamics</i> , <b>2003</b> , 20, 663-688	4.2	153
41	Sensitivity of the Northern Hemisphere climate system to extreme changes in Holocene Arctic sea ice. <i>Quaternary Science Reviews</i> , <b>2003</b> , 22, 645-658	3.9	31
40	Coupled Climate Simulation of the Evolution of Global Monsoons in the Holocene*. <i>Journal of Climate</i> , <b>2003</b> , 16, 2472-2490	4.4	169
39	Paleoclimate. Toward integrated reconstruction of past climates. <i>Science</i> , <b>2003</b> , 300, 589-90	33.3	30
38	Intercomparison of Heat Fluxes in the South Atlantic. Part I: The Seasonal Cycle. <i>Journal of Climate</i> , <b>2003</b> , 16, 706-714	4.4	8
37	Tropical cooling at the last glacial maximum and extratropical ocean ventilation <sup>1</sup> . <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 48-1-48-4	4.9	44
36	Tropical Pacific Variability in the NCAR Climate System Model. <i>Journal of Climate</i> , <b>2001</b> , 14, 3587-3607	4.4	56
35	The Community Climate System Model. <i>Bulletin of the American Meteorological Society</i> , <b>2001</b> , 82, 2357-2376	4.6	111
34	Factors that affect the amplitude of El Nino in global coupled climate models. <i>Climate Dynamics</i> , <b>2001</b> , 17, 515-526	4.2	165
33	Rapid (10-yr) recovery of terrestrial productivity in a simulation study of the terminal Cretaceous impact event. <i>Earth and Planetary Science Letters</i> , <b>2001</b> , 192, 137-144	5.3	22

32	Terrestrial ecosystem responses to global environmental change across the Cretaceous-Tertiary boundary. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 2149-2152	4.9	8
31	El Niño/La Niña and Sahel precipitation during the Middle Holocene. <i>Geophysical Research Letters</i> , <b>1999</b> , 26, 87-90	4.9	60
30	Vegetation-induced warming of high-latitude regions during the Late Cretaceous period. <i>Nature</i> , <b>1997</b> , 385, 804-807	50.4	148
29	Vegetation and Warm Climates During the Late Cretaceous. <i>The Paleontological Society Special Publications</i> , <b>1996</b> , 8, 404-404		
28	Modern and Last Glacial Maximum eolian sedimentation patterns in the Atlantic Ocean interpreted from sediment iron oxide content. <i>Paleoceanography</i> , <b>1995</b> , 10, 493-507		70
27	Tropical mountains and coal formation: A climate model study of the Westphalian (306 MA). <i>Geophysical Research Letters</i> , <b>1993</b> , 20, 1947-1950	4.9	27
26	The sensitivity of numerical simulation to orography specification in the low resolution spectral model Part I: The effects of orography on the atmospheric general circulation. <i>Advances in Atmospheric Sciences</i> , <b>1987</b> , 4, 1-12	2.9	1
25	The sensitivity of the numerical simulation to orography specification in the low resolution spectral model Part II: Impact of the smoothed orography and ripples on simulations. <i>Advances in Atmospheric Sciences</i> , <b>1987</b> , 4, 145-155	2.9	1
24	A Global Low-Order Spectral General Circulation Model. Part II: Diagnosis of the Seasonal Energetics. <i>Journals of the Atmospheric Sciences</i> , <b>1984</b> , 41, 508-523	2.1	2
23	The Sensitivity of the African-Asian Monsoonal Climate to Orbital Parameter Changes for 9000 Years B.P. in a Low-Resolution General Circulation Model. <i>Journals of the Atmospheric Sciences</i> , <b>1982</b> , 39, 1177-1188	2.1	311
22	Thermally-Forced Mean Mass Circulations in the Northern Hemisphere. <i>Monthly Weather Review</i> , <b>1982</b> , 110, 916-932	2.4	10
21	A Comparison of Several Meteorological Analysis Schemes over a Data-Rich Region. <i>Monthly Weather Review</i> , <b>1977</b> , 105, 1083-1091	2.4	5
20	DeepMIP: Model intercomparison of early Eocene climatic optimum (EECO) large-scale climate features and comparison with proxy data		5
19	N <sub>2</sub> O changes from the Last Glacial Maximum to the preindustrial Part II: Terrestrial N <sub>2</sub> O emissions constrain carbon-nitrogen interactions		2
18	Comparing proxy and model estimates of hydroclimate variability and change over the Common Era		7
17	A return to large-scale features of Pliocene climate: the Pliocene Model Intercomparison Project Phase 2		5
16	Comparison of past and future simulations of ENSO in CMIP5/PMIP3 and CMIP6/PMIP4 models		5
15	Large-scale features and evaluation of the PMIP4-CMIP6 <i>mid</i>Holocene <i>i</i> simulations		4

14	Large-scale features of Last Interglacial climate: Results from evaluating the &lt;i>127k</i> simulations for CMIP6-PMIP4	4
13	Twelve thousand years of dust: the Holocene global dust cycle constrained by natural archives	2
12	Arctic sea ice in the PlioMIP ensemble: is model performance for modern climates a reliable guide to performance for the past or the future?	2
11	Pliocene Model Intercomparison (PlioMIP) Phase 2: scientific objectives and experimental design	5
10	Supplementary material to &quot;Large-scale features of Pliocene climate: results from the Pliocene Model Intercomparison Project&quot;	5
9	A multi-model assessment of last interglacial temperatures	4
8	Climatic impacts of fresh water hosing under Last Glacial Maximum conditions: a multi-model study	4
7	East Asian monsoon climate simulated in the PlioMIP	2
6	Mid-pliocene Atlantic meridional overturning circulation not unlike modern?	3
5	LGM permafrost distribution: how well can the latest PMIP multi-model ensembles reconstruct?	1
4	Ice-sheet configuration in the CMIP5/PMIP3 Last Glacial Maximum experiments	8
3	Using results from the PlioMIP ensemble to investigate the Greenland Ice Sheet during the warm Pliocene	2
2	Northward ITCZ shift drives reduced ENSO activity in the Mid-Pliocene Warm Period	2
1	CO2 increase experiments using the Community Earth System Model (CESM): Relationship to climate sensitivity and comparison of CESM1 to CESM2	3