

# Paul J Valdes

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/3306462/paul-j-valdes-publications-by-year.pdf>

**Version:** 2024-04-27

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.

296  
papers

14,903  
citations

69  
h-index

110  
g-index

353  
ext. papers

17,195  
ext. citations

6.6  
avg, IF

6.68  
L-index

#	Paper	IF	Citations
296	What are the drivers of Caspian Sea level variation during the late Quaternary?. <i>Quaternary Science Reviews</i> , <b>2022</b> , 283, 107457	3.9	1
295	The rise and demise of the Paleogene Central Tibetan Valley.. <i>Science Advances</i> , <b>2022</b> , 8, eabj0944	14.3	7
294	Antarctic Ice Sheet Elevation Impacts on Water Isotope Records During the Last Interglacial. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL091412	4.9	1
293	Using the Mid-Holocene Greening of the Sahara to Narrow Acceptable Ranges on Climate Model Parameters. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL092043	4.9	1
292	Thermal niches of planktonic foraminifera are static throughout glacial-interglacial climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	7
291	The PMIP4 Last Glacial Maximum experiments: preliminary results and comparison with the PMIP3 simulations. <i>Climate of the Past</i> , <b>2021</b> , 17, 1065-1089	3.9	31
290	Paleoclimate model-derived thermal lapse rates: Towards increasing precision in paleoaltimetry studies. <i>Earth and Planetary Science Letters</i> , <b>2021</b> , 564, 116903	5.3	4
289	Multi-variate factorisation of numerical simulations. <i>Geoscientific Model Development</i> , <b>2021</b> , 14, 4307-4367	3.7	1
288	Projected climatic changes lead to biome changes in areas of previously constant biome. <i>Journal of Biogeography</i> , <b>2021</b> , 48, 2418-2428	4.1	1
287	Why 'the uplift of the Tibetan Plateau' is a myth. <i>National Science Review</i> , <b>2021</b> , 8, nwaa091	10.8	48
286	Leaf physiognomy records the Miocene intensification of the South Asia Monsoon. <i>Global and Planetary Change</i> , <b>2021</b> , 196, 103365	4.2	8
285	The topographic evolution of the Tibetan Region as revealed by palaeontology. <i>Palaeobiodiversity and Palaeoenvironments</i> , <b>2021</b> , 101, 213-243	0.9	4
284	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
283	Climate and vegetation change during the Upper Siwalik study based on the palaeobotanical record of the eastern Himalaya. <i>Palaeobiodiversity and Palaeoenvironments</i> , <b>2021</b> , 101, 103-121	0.9	3
282	Deep ocean temperatures through time. <i>Climate of the Past</i> , <b>2021</b> , 17, 1483-1506	3.9	8
281	Increase in marine provinciality over the last 250 million years governed more by climate change than plate tectonics. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2021</b> , 288, 20211342	4.4	2
280	A statistics-based reconstruction of high-resolution global terrestrial climate for the last 800,000 years. <i>Scientific Data</i> , <b>2021</b> , 8, 228	8.2	5

279	Eocene to Oligocene terrestrial Southern Hemisphere cooling caused by declining pCO <sub>2</sub> . <i>Nature Geoscience</i> , <b>2021</b> , 14, 659-664	18.3	8
278	Orographic evolution of northern Tibet shaped vegetation and plant diversity in eastern Asia. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	19
277	Asteroid impact, not volcanism, caused the end-Cretaceous dinosaur extinction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 17084-17093	11.5	48
276	Drivers of Holocene palsa distribution in North America. <i>Quaternary Science Reviews</i> , <b>2020</b> , 240, 106337	3.9	3
275	Wind-Driven Evolution of the North Pacific Subpolar Gyre Over the Last Deglaciation. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL086328	4.9	13
274	Latest Neogene monsoon of the Chotanagpur Plateau, eastern India, as revealed by fossil leaf architectural signatures. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2020</b> , 545, 109641	2.9	20
273	CMIP6/PMIP4 simulations of the mid-Holocene and Last Interglacial using HadGEM3: comparison to the pre-industrial era, previous model versions and proxy data. <i>Climate of the Past</i> , <b>2020</b> , 16, 1429-1450	3.9	7
272	Changes in the high-latitude Southern Hemisphere through the Eocene-Oligocene transition: a model-data comparison. <i>Climate of the Past</i> , <b>2020</b> , 16, 555-573	3.9	10
271	Sea ice feedbacks influence the isotopic signature of Greenland ice sheet elevation changes: last interglacial HadCM3 simulations. <i>Climate of the Past</i> , <b>2020</b> , 16, 2485-2508	3.9	
270	The early Eocene rise of the Gonjo Basin, SE Tibet: From low desert to high forest. <i>Earth and Planetary Science Letters</i> , <b>2020</b> , 543, 116312	5.3	24
269	Spatial contrasts of the Holocene hydroclimate trend between North and East Asia. <i>Quaternary Science Reviews</i> , <b>2020</b> , 227, 106036	3.9	5
268	Extinction intensity during Ordovician and Cenozoic glaciations explained by cooling and palaeogeography. <i>Nature Geoscience</i> , <b>2020</b> , 13, 65-70	18.3	15
267	Global vegetation patterns of the past 140,000 years. <i>Journal of Biogeography</i> , <b>2020</b> , 47, 2073-2090	4.1	12
266	A Middle Eocene lowland humid subtropical "Shangri-La" ecosystem in central Tibet. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 32989-32995	11.5	27
265	Polar amplification of Pliocene climate by elevated trace gas radiative forcing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 23401-23407	11.5	4
264	New insights into the thermal regime and hydrodynamics of the early Late Cretaceous Arctic. <i>Geological Magazine</i> , <b>2020</b> , 157, 1729-1746	2	7
263	Spatio-temporal climate change contributes to latitudinal diversity gradients. <i>Nature Ecology and Evolution</i> , <b>2019</b> , 3, 1419-1429	12.3	32
262	Complexities in interpreting chironomid-based temperature reconstructions over the Holocene from a lake in Western Ireland. <i>Quaternary Science Reviews</i> , <b>2019</b> , 222, 105908	3.9	2

261	Comment on "Revised paleoaltimetry data show low Tibetan Plateau elevation during the Eocene". <i>Science</i> , <b>2019</b> , 365,	33.3	17
260	A predictive algorithm for wetlands in deep time paleoclimate models. <i>Geoscientific Model Development</i> , <b>2019</b> , 12, 1351-1364	6.3	2
259	What can Palaeoclimate Modelling do for you?. <i>Earth Systems and Environment</i> , <b>2019</b> , 3, 1-18	7.5	23
258	The Mechanisms that Determine the Response of the Northern Hemisphere's Stationary Waves to North American Ice Sheets. <i>Journal of Climate</i> , <b>2019</b> , 32, 3917-3940	4.4	7
257	Coupling of palaeontological and neontological reef coral data improves forecasts of biodiversity responses under global climatic change. <i>Royal Society Open Science</i> , <b>2019</b> , 6, 182111	3.3	12
256	No high Tibetan Plateau until the Neogene. <i>Science Advances</i> , <b>2019</b> , 5, eaav2189	14.3	109
255	Non-random latitudinal gradients in range size and niche breadth predicted by spatial patterns of climate. <i>Global Ecology and Biogeography</i> , <b>2019</b> , 28, 928-942	6.1	22
254	Uplift, climate and biotic changes at the Eocene-Oligocene transition in south-eastern Tibet. <i>National Science Review</i> , <b>2019</b> , 6, 495-504	10.8	69
253	Simulating the climate response to atmospheric oxygen variability in the Phanerozoic: a focus on the Holocene, Cretaceous and Permian. <i>Climate of the Past</i> , <b>2019</b> , 15, 1463-1483	3.9	5
252	Terrestrial environmental change across the onset of the PETM and the associated impact on biomarker proxies: A cautionary tale. <i>Global and Planetary Change</i> , <b>2019</b> , 181, 102991	4.2	12
251	Investigating the feedbacks between CO <sub>2</sub> , vegetation and the AMOC in a coupled climate model. <i>Climate Dynamics</i> , <b>2019</b> , 53, 2485-2500	4.2	3
250	Reassessing the Value of Regional Climate Modeling Using Paleoclimate Simulations. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 12464-12475	4.9	4
249	Past East Asian monsoon evolution controlled by paleogeography, not CO <sub>2</sub> . <i>Science Advances</i> , <b>2019</b> , 5, eaax1697	14.3	79
248	Reply to Wainwright and Ayala: Synchronicity of climate and cultural proxies around 8.2 kyBP at Btalth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 3345-3346	11.5	
247	A simulated Northern Hemisphere terrestrial climate dataset for the past 60,000 years. <i>Scientific Data</i> , <b>2019</b> , 6, 265	8.2	8
246	Assessing Mechanisms and Uncertainty in Modeled Climatic Change at the Eocene-Oligocene Transition. <i>Paleoceanography and Paleoclimatology</i> , <b>2019</b> , 34, 16-34	3.3	11
245	On the Role of Dust-Climate Feedbacks During the Mid-Holocene. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 1612-1621	4.9	15
244	Global peatland initiation driven by regionally asynchronous warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 4851-4856	11.5	60

243	Bayesian Analysis of the Glacial-Interglacial Methane Increase Constrained by Stable Isotopes and Earth System Modeling. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 3653-3663	4.9	6
242	Model evidence for a seasonal bias in Antarctic ice cores. <i>Nature Communications</i> , <b>2018</b> , 9, 1361	17.4	5
241	Eocene greenhouse climate revealed by coupled clumped isotope-Mg/Ca thermometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 1174-1179	11.5	98
240	Holocene temperature trends in the extratropical Northern Hemisphere based on inter-model comparisons. <i>Journal of Quaternary Science</i> , <b>2018</b> , 33, 464-476	2.3	11
239	Holocene lowering of the Laurentide ice sheet affects North Atlantic gyre circulation and climate. <i>Climate Dynamics</i> , <b>2018</b> , 51, 3797-3813	4.2	8
238	Ecosystem state shifts during long-term development of an Amazonian peatland. <i>Global Change Biology</i> , <b>2018</b> , 24, 738-757	11.4	18
237	Late Quaternary climate legacies in contemporary plant functional composition. <i>Global Change Biology</i> , <b>2018</b> , 24, 4827-4840	11.4	29
236	Evidence for the impact of the 8.2-kyBP climate event on Near Eastern early farmers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 8705-8709	11.5	47
235	Reduced cooling following future volcanic eruptions. <i>Climate Dynamics</i> , <b>2018</b> , 51, 1449-1463	4.2	11
234	A Predictive Algorithm For Wetlands In Deep Time Paleoclimate Models <b>2018</b> ,		1
233	Simulating the 128-ka Antarctic Climate Response to Northern Hemisphere Ice Sheet Melting Using the Isotope-Enabled HadCM3. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 11,921-11,929	4.9	5
232	Simulating the Last Interglacial Greenland stable water isotope peak: The role of Arctic sea ice changes. <i>Quaternary Science Reviews</i> , <b>2018</b> , 198, 1-14	3.9	10
231	Oligocene climate signals and forcings in Eurasia revealed by plant macrofossil and modelling results. <i>Gondwana Research</i> , <b>2018</b> , 61, 115-127	5.1	21
230	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
229	Acceleration of Northern Ice Sheet Melt Induces AMOC Slowdown and Northern Cooling in Simulations of the Early Last Deglaciation. <i>Paleoceanography and Paleoclimatology</i> , <b>2018</b> , 33, 807-824	3.3	19
228	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
227	Mid-latitude continental temperatures through the early Eocene in western Europe. <i>Earth and Planetary Science Letters</i> , <b>2017</b> , 460, 86-96	5.3	41
226	Green Mountains and White Plains: The Effect of Northern Hemisphere Ice Sheets on the Global Energy Budget. <i>Journal of Climate</i> , <b>2017</b> , 30, 3887-3905	4.4	8

225	Global patterns in the divergence between phylogenetic diversity and species richness in terrestrial birds. <i>Journal of Biogeography</i> , <b>2017</b> , 44, 709-721	4.1	38
224	Understanding the glacial methane cycle. <i>Nature Communications</i> , <b>2017</b> , 8, 14383	17.4	22
223	Collapse of the North American ice saddle 14,500 years ago caused widespread cooling and reduced ocean overturning circulation. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 383-392	4.9	28
222	Quantifying the stability of planktic foraminiferal physical niches between the Holocene and Last Glacial Maximum. <i>Paleoceanography</i> , <b>2017</b> , 32, 74-89		11
221	The Spatial Structure of the 128ka Antarctic Sea Ice Minimum. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 11,129	4.9	16
220	The BRIDGE HadCM3 family of climate models: HadCM3@Bristol v1.0 <b>2017</b> ,		9
219	Quantifying the influence of the terrestrial biosphere on glacial/interglacial climate dynamics. <i>Climate of the Past</i> , <b>2017</b> , 13, 1381-1401	3.9	15
218	Holocene temperature evolution in the Northern Hemisphere high latitudes [Model-data comparisons. <i>Quaternary Science Reviews</i> , <b>2017</b> , 173, 101-113	3.9	12
217	Ocean dominated expansion and contraction of the late Quaternary tropical rainbelt. <i>Scientific Reports</i> , <b>2017</b> , 7, 9382	4.9	31
216	Hydrological and associated biogeochemical consequences of rapid global warming during the Paleocene-Eocene Thermal Maximum. <i>Global and Planetary Change</i> , <b>2017</b> , 157, 114-138	4.2	75
215	Can energy fluxes be used to interpret glacial/interglacial precipitation changes in the tropics?. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 6373-6382	4.9	26
214	Multi vegetation model evaluation of the Green Sahara climate regime. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 6804-6813	4.9	27
213	Niche dynamics of Palaeolithic modern humans during the settlement of the Palaeartic. <i>Global Ecology and Biogeography</i> , <b>2017</b> , 26, 359-370	6.1	11
212	Out of Amazonia: Late-Holocene climate change and the Tupi-Guarani trans-continental expansion. <i>Holocene</i> , <b>2017</b> , 27, 967-975	2.6	19
211	Investigating the Impact of CO2 on Low-Frequency Variability of the AMOC in HadCM3. <i>Journal of Climate</i> , <b>2017</b> , 30, 7863-7883	4.4	5
210	The BRIDGE HadCM3 family of climate models: HadCM3@Bristol v1.0. <i>Geoscientific Model Development</i> , <b>2017</b> , 10, 3715-3743	6.3	106
209	Robustness despite uncertainty: regional climate data reveal the dominant role of humans in explaining global extinctions of Late Quaternary megafauna. <i>Ecography</i> , <b>2016</b> , 39, 152-161	6.5	66
208	Reconstructing paleosalinity from δ18O: Coupled model simulations of the Last Glacial Maximum, Last Interglacial and Late Holocene. <i>Quaternary Science Reviews</i> , <b>2016</b> , 131, 350-364	3.9	37

207	The role of basal hydrology in the surging of the Laurentide Ice Sheet. <i>Climate of the Past</i> , <b>2016</b> , 12, 1601-1617	4.6	17
206	Abrupt Bølling 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
205	Modelling the climatic niche of turtles: a deep-time perspective. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 283,	4.4	16
204	Lessons on Climate Sensitivity From Past Climate Changes. <i>Current Climate Change Reports</i> , <b>2016</b> , 2, 148-158	4.58	36
203	Amplified plant turnover in response to climate change forecast by Late Quaternary records. <i>Nature Climate Change</i> , <b>2016</b> , 6, 1115-1119	21.4	23
202	Terrestrial biosphere changes over the last 120 kyr. <i>Climate of the Past</i> , <b>2016</b> , 12, 51-73	3.9	31
201	Transient climate simulations of the deglaciation 219 thousand years before present (version 1) of the PMIP4 Core experiment design and boundary conditions. <i>Geoscientific Model Development</i> , <b>2016</b> , 9, 2563-2587	6.3	58
200	The biogeophysical climatic impacts of anthropogenic land use change during the Holocene. <i>Climate of the Past</i> , <b>2016</b> , 12, 923-941	3.9	17
199	A model-model and data-model comparison for the early Eocene hydrological cycle. <i>Climate of the Past</i> , <b>2016</b> , 12, 455-481	3.9	40
198	PMIP4-CMIP6: the contribution of the Paleoclimate Modelling Intercomparison Project to CMIP6 <b>2016</b> ,		17
197	Impact of meltwater on high-latitude early Last Interglacial climate. <i>Climate of the Past</i> , <b>2016</b> , 12, 1919-1932	3.92	18
196	Explaining patterns of avian diversity and endemism: climate and biomes of southern Africa over the last 140,000 years. <i>Journal of Biogeography</i> , <b>2016</b> , 43, 874-886	4.1	19
195	The Role of CO <sub>2</sub> and Dynamic Vegetation on the Impact of Temperate Land-Use Change in the HadCM3 Coupled Climate Model. <i>Earth Interactions</i> , <b>2016</b> , 20, 1-20	1.5	10
194	Antarctic last interglacial isotope peak in response to sea ice retreat not ice-sheet collapse. <i>Nature Communications</i> , <b>2016</b> , 7, 12293	17.4	35
193	Latitudinal diversity gradients in Mesozoic non-marine turtles. <i>Royal Society Open Science</i> , <b>2016</b> , 3, 1605813	3.13	9
192	POPULATION GENETICS. Genomic evidence for the Pleistocene and recent population history of Native Americans. <i>Science</i> , <b>2015</b> , 349, aab3884	33.3	317
191	Last glacial maximum constraints on the Earth System model HadGEM2-ES. <i>Climate Dynamics</i> , <b>2015</b> , 45, 1657-1672	4.2	22
190	Multiple causes of the Younger Dryas cold period. <i>Nature Geoscience</i> , <b>2015</b> , 8, 946-949	18.3	77

189	Last glacial maximum radiative forcing from mineral dust aerosols in an Earth system model. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 8186-8205	4.4	28
188	Quantifying the relative importance of land cover change from climate and land use in the representative concentration pathways. <i>Global Biogeochemical Cycles</i> , <b>2015</b> , 29, 842-853	5.9	32
187	The relative contribution of orbital forcing and greenhouse gases to the North American deglaciation. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 9970-9979	4.9	15
186	How well do simulated last glacial maximum tropical temperatures constrain equilibrium climate sensitivity?. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 5533-5539	4.9	17
185	Leaf form-climate relationships on the global stage: an ensemble of characters. <i>Global Ecology and Biogeography</i> , <b>2015</b> , 24, 1113-1125	6.1	65
184	Sensitivity of a coupled climate model to canopy interception capacity. <i>Climate Dynamics</i> , <b>2014</b> , 42, 1715-1732	4.7	23
183	Climatic Impacts of Land-Use Change due to Crop Yield Increases and a Universal Carbon Tax from a Scenario Model*. <i>Journal of Climate</i> , <b>2014</b> , 27, 1413-1424	4.4	17
182	Suborbital climatic variability and centres of biological diversity in the Cape region of southern Africa. <i>Journal of Biogeography</i> , <b>2014</b> , 41, 1338-1351	4.1	14
181	A new constraint on the size of Heinrich Events from an iceberg/sediment model. <i>Earth and Planetary Science Letters</i> , <b>2014</b> , 386, 1-9	5.3	26
180	Sensitivity of modern climate to the presence, strength and salinity of Mediterranean-Atlantic exchange in a global general circulation model. <i>Climate Dynamics</i> , <b>2014</b> , 42, 859-877	4.2	28
179	Modelling global-scale climate impacts of the late Miocene Messinian Salinity Crisis. <i>Climate of the Past</i> , <b>2014</b> , 10, 607-622	3.9	32
178	Limited response of peatland CH <sub>4</sub> emissions to abrupt Atlantic Ocean circulation changes in glacial climates. <i>Climate of the Past</i> , <b>2014</b> , 10, 137-154	3.9	7
177	Uncertainties in the modelled CO <sub>2</sub> threshold for Antarctic glaciation. <i>Climate of the Past</i> , <b>2014</b> , 10, 451-466	3.9	50
176	Dating, synthesis, and interpretation of palaeoclimatic records of the Last Glacial cycle and model-data integration: advances by the INTIMATE (INTEgration of Ice-core, MARine and TERrestrial records) COST Action ES0907. <i>Quaternary Science Reviews</i> , <b>2014</b> , 106, 1-13	3.9	18
175	Topography's crucial role in Heinrich Events. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 16688-93	11.5	27
174	Full effects of land use change in the representative concentration pathways. <i>Environmental Research Letters</i> , <b>2014</b> , 9, 114014	6.2	29
173	Holocene variations in peatland methane cycling associated with the Asian summer monsoon system. <i>Nature Communications</i> , <b>2014</b> , 5, 4631	17.4	38
172	Numerical simulations of oceanic oxygen cycling in the FAMOUS Earth-System model: FAMOUS-ES, version 1.0. <i>Geoscientific Model Development</i> , <b>2014</b> , 7, 1419-1431	6.3	8



171	Climate model and proxy data constraints on ocean warming across the Paleocene-Eocene Thermal Maximum. <i>Earth-Science Reviews</i> , <b>2013</b> , 125, 123-145	10.2	170
170	Paleogeographic controls on the onset of the Antarctic circumpolar current. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 5199-5204	4.9	40
169	Climate envelope models suggest spatio-temporal co-occurrence of refugia of African birds and mammals. <i>Global Ecology and Biogeography</i> , <b>2013</b> , 22, 351-363	6.1	38
168	Modelling equable climates of the Late Cretaceous: Can new boundary conditions resolve data-model discrepancies?. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2013</b> , 392, 41-51	2.9	21
167	The parameterisation of Mediterranean-Atlantic water exchange in the Hadley Centre model HadCM3, and its effect on modelled North Atlantic climate. <i>Ocean Modelling</i> , <b>2013</b> , 62, 11-16	3	19
166	First Nd isotope record of Mediterranean-Atlantic water exchange through the Moroccan Rifian Corridor during the Messinian Salinity Crisis. <i>Earth and Planetary Science Letters</i> , <b>2013</b> , 368, 163-174	5.3	25
165	A new regional, mid-Holocene palaeoprecipitation signal of the Asian Summer Monsoon. <i>Quaternary Science Reviews</i> , <b>2013</b> , 78, 65-76	3.9	19
164	Warm climates of the past—a lesson for the future?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2013</b> , 371, 20130146	3	21
163	An efficient method to generate a perturbed parameter ensemble of a fully coupled AOGCM without flux-adjustment. <i>Geoscientific Model Development</i> , <b>2013</b> , 6, 1447-1462	6.3	14
162	Optimising the FAMOUS climate model: inclusion of global carbon cycling. <i>Geoscientific Model Development</i> , <b>2013</b> , 6, 141-160	6.3	14
161	On the identification of a Pliocene time slice for data-model comparison. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2013</b> , 371, 20120515	3	58
160	The Early Eocene equable climate problem: can perturbations of climate model parameters identify possible solutions?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2013</b> , 371, 20130123	3	47
159	The Greenland Ice Sheet's surface mass balance in a seasonally sea ice-free Arctic. <i>Journal of Geophysical Research F: Earth Surface</i> , <b>2013</b> , 118, 1533-1544	3.8	16
158	Response of methane emissions from wetlands to the Last Glacial Maximum and an idealized Dansgaard-Øeschger climate event: insights from two models of different complexity. <i>Climate of the Past</i> , <b>2013</b> , 9, 149-171	3.9	13
157	Climate and carbon cycle response to the 1815 Tambora volcanic eruption. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 12,497-12,507	4.4	30
156	Millennial climatic fluctuations are key to the structure of last glacial ecosystems. <i>PLoS ONE</i> , <b>2013</b> , 8, e61963	3.7	35
155	Organic matter distribution in the modern sediments of the Pearl River Estuary. <i>Organic Geochemistry</i> , <b>2012</b> , 49, 68-82	3.1	41
154	Climate model predictions for the latest Cretaceous: An evaluation using climatically sensitive sediments as proxy indicators. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2012</b> , 315-316, 12-23 <sup>2.9</sup>	2.9	27

153	Late Pleistocene climate change and the global expansion of anatomically modern humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 16089-94	11.5	121
152	On the causes of mid-Pliocene warmth and polar amplification. <i>Earth and Planetary Science Letters</i> , <b>2012</b> , 321-322, 128-138	5.3	86
151	Making sense of palaeoclimate sensitivity. <i>Nature</i> , <b>2012</b> , 491, 683-91	50.4	208
150	Methane Hydrate Instability: A View from the Palaeogene <b>2012</b> , 278-304		
149	Sea-surface temperature records of Termination 1 in the Gulf of California: Challenges for seasonal and interannual analogues of tropical Pacific climate change. <i>Paleoceanography</i> , <b>2012</b> , 27, n/a-n/a		63
148	Controls on the tropospheric oxidizing capacity during an idealized Dansgaard-Oeschger event, and their implications for the rapid rises in atmospheric methane during the last glacial period. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	18
147	A model-data comparison for a multi-model ensemble of early Eocene atmosphere-ocean simulations: EoMIP. <i>Climate of the Past</i> , <b>2012</b> , 8, 1717-1736	3.9	160
146	Ecosystem CO <sub>2</sub> starvation and terrestrial silicate weathering: mechanisms and global-scale quantification during the late Miocene. <i>Journal of Ecology</i> , <b>2012</b> , 100, 31-41	6	20
145	The impact of a seasonally ice free Arctic Ocean on the temperature, precipitation and surface mass balance of Svalbard. <i>Cryosphere</i> , <b>2012</b> , 6, 35-50	5.5	22
144	Evaluating the effects of terrestrial ecosystems, climate and carbon dioxide on weathering over geological time: a global-scale process-based approach. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2012</b> , 367, 565-82	5.8	61
143	Deglacial rapid sea level rises caused by ice-sheet saddle collapses. <i>Nature</i> , <b>2012</b> , 487, 219-22	50.4	144
142	Corrigendum to "The impact of a seasonally ice free Arctic Ocean on the temperature, precipitation and surface mass balance of Svalbard" published in <i>The Cryosphere</i> , 6, 35-50, 2012. <i>Cryosphere</i> , <b>2012</b> , 6, 141-141	5.5	
141	Reconciling the changes in atmospheric methane sources and sinks between the Last Glacial Maximum and the pre-industrial era. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	33
140	Enhanced chemistry-climate feedbacks in past greenhouse worlds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 9770-5	11.5	93
139	Modeling the 8.2 ka event using a coupled atmosphere-ocean GCM. <i>Global and Planetary Change</i> , <b>2011</b> , 79, 312-321	4.2	27
138	The 8200 yr BP cold event in stable isotope records from the North Atlantic region. <i>Global and Planetary Change</i> , <b>2011</b> , 79, 288-302	4.2	69
137	Species-specific responses of Late Quaternary megafauna to climate and humans. <i>Nature</i> , <b>2011</b> , 479, 359-64	50.4	483
136	Bathymetric controls on Pliocene North Atlantic and Arctic sea surface temperature and deepwater production. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2011</b> , 309, 92-97	2.9	54

135	Sea surface temperatures of the mid-Piacenzian Warm Period: A comparison of PRISM3 and HadCM3. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2011</b> , 309, 83-91	2.9	49
134	Simulating idealized Dansgaard-Oeschger events and their potential impacts on the global methane cycle. <i>Quaternary Science Reviews</i> , <b>2011</b> , 30, 3258-3268	3.9	36
133	Late Holocene methane rise caused by orbitally controlled increase in tropical sources. <i>Nature</i> , <b>2011</b> , 470, 82-5	50.4	120
132	The HadGEM2-ES implementation of CMIP5 centennial simulations. <i>Geoscientific Model Development</i> , <b>2011</b> , 4, 543-570	6.3	662
131	Using synoptic type analysis to understand New Zealand climate during the Mid-Holocene. <i>Climate of the Past</i> , <b>2011</b> , 7, 1189-1207	3.9	16
130	Optimal tuning of a GCM using modern and glacial constraints. <i>Climate Dynamics</i> , <b>2011</b> , 37, 705-719	4.2	26
129	The Mid-Brunhes Event and West Antarctic ice sheet stability. <i>Journal of Quaternary Science</i> , <b>2011</b> , 26, 474-477	2.3	24
128	Earth system sensitivity inferred from Pliocene modelling and data. <i>Nature Geoscience</i> , <b>2010</b> , 3, 60-64	18.3	199
127	Interhemispheric coupling, the West Antarctic Ice Sheet and warm Antarctic interglacials. <i>Climate of the Past</i> , <b>2010</b> , 6, 431-443	3.9	60
126	CO <sub>2</sub> -driven ocean circulation changes as an amplifier of Paleocene-Eocene thermal maximum hydrate destabilization. <i>Geology</i> , <b>2010</b> , 38, 875-878	5	91
125	Exploring synergies between the Clean Development Mechanism and national forest policies in India to advance sustainable development for a post-2012 climate policy. <i>Climate and Development</i> , <b>2010</b> , 2, 207-220	4.4	2
124	Assessing the mitigation potential of forestry activities in a changing climate: A case study for Karnataka. <i>Forest Policy and Economics</i> , <b>2010</b> , 12, 277-286	3.6	11
123	Modelling the oxygen isotope distribution of ancient seawater using a coupled ocean-atmosphere GCM: Implications for reconstructing early Eocene climate. <i>Earth and Planetary Science Letters</i> , <b>2010</b> , 292, 265-273	5.3	103
122	High-latitude climate sensitivity to ice-sheet forcing over the last 120kyr. <i>Quaternary Science Reviews</i> , <b>2010</b> , 29, 43-55	3.9	179
121	Last glacial vegetation of northern Eurasia. <i>Quaternary Science Reviews</i> , <b>2010</b> , 29, 2604-2618	3.9	88
120	A Palaeogene perspective on climate sensitivity and methane hydrate instability. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2010</b> , 368, 2395-415	3	60
119	Assessment of soil moisture fields from imperfect climate models with uncertain satellite observations. <i>Hydrology and Earth System Sciences</i> , <b>2009</b> , 13, 1545-1553	5.5	20
118	Introduction. Pliocene climate, processes and problems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2009</b> , 367, 3-17	3	77

117	Tackling regional climate change by leaf albedo bio-geoengineering. <i>Current Biology</i> , <b>2009</b> , 19, 146-50	6.3	95
116	Climate and climate change. <i>Current Biology</i> , <b>2009</b> , 19, R563-6	6.3	3
115	Nature of the Antarctic Peninsula Ice Sheet during the Pliocene: Geological evidence and modelling results compared. <i>Earth-Science Reviews</i> , <b>2009</b> , 94, 79-94	10.2	42
114	Comparison of mid-Pliocene climate predictions produced by the HadAM3 and GCMAM3 General Circulation Models. <i>Global and Planetary Change</i> , <b>2009</b> , 66, 208-224	4.2	72
113	New developments in CLAMP: Calibration using global gridded meteorological data. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2009</b> , 283, 91-98	2.9	105
112	Stable water isotopes in HadCM3: Isotopic signature of El Niño Southern Oscillation and the tropical amount effect. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		121
111	Dedication: Prof. Bruce William Sellwood (1946-2007). <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2009</b> , 367, 19-20	3	
110	A new global biome reconstruction and data-model comparison for the Middle Pliocene. <i>Global Ecology and Biogeography</i> , <b>2008</b> , 17, 432-447	6.1	229
109	Exploring climatic and biotic controls on Holocene vegetation change in Fennoscandia. <i>Journal of Ecology</i> , <b>2008</b> , 96, 247-259	6	114
108	Jurassic climates. <i>Proceedings of the Geologists Association</i> , <b>2008</b> , 119, 5-17	1.1	89
107	Modelling of hydrology and potential population levels at Bronze Age Jawa, Northern Jordan: a Monte Carlo approach to cope with uncertainty. <i>Journal of Archaeological Science</i> , <b>2008</b> , 35, 517-529	2.9	23
106	The Late Cretaceous continental interior of Siberia: A challenge for climate models. <i>Earth and Planetary Science Letters</i> , <b>2008</b> , 267, 228-235	5.3	62
105	A methodology for targeting palaeo proxy data acquisition: A case study for the terrestrial late Miocene. <i>Earth and Planetary Science Letters</i> , <b>2008</b> , 271, 53-62	5.3	33
104	Sunshade World—A fully coupled GCM evaluation of the climatic impacts of geoengineering. <i>Geophysical Research Letters</i> , <b>2008</b> , 35, n/a-n/a	4.9	80
103	An oceanic origin for the increase of atmospheric radiocarbon during the Younger Dryas. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	40
102	Antarctic isotopic thermometer during a CO <sub>2</sub> forced warming event. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		56
101	Quaternary climate changes explain diversity among reptiles and amphibians. <i>Ecography</i> , <b>2008</b> , 31, 8-15	6.5	282
100	ENSO dynamics in current climate models: an investigation using nonlinear dimensionality reduction. <i>Nonlinear Processes in Geophysics</i> , <b>2008</b> , 15, 339-363	2.9	9

99	A new global biome reconstruction and data-model comparison for the Middle Pliocene. <i>Global Ecology and Biogeography</i> , <b>2008</b> ,	6.1	2
98	A permanent El Niño-like state during the Pliocene?. <i>Paleoceanography</i> , <b>2007</b> , 22, n/a-n/a		85
97	Optimization of integrated Earth System Model components using Grid-enabled data management and computation. <i>Concurrency Computation Practice and Experience</i> , <b>2007</b> , 19, 153-165	1.4	10
96	Investigating early hominin dispersal patterns: developing a framework for climate data integration. <i>Journal of Human Evolution</i> , <b>2007</b> , 53, 465-74	3.1	57
95	The climatic impact of supervolcanic ash blankets. <i>Climate Dynamics</i> , <b>2007</b> , 29, 553-564	4.2	41
94	Effects of atmospheric dynamics and ocean resolution on bi-stability of the thermohaline circulation examined using the Grid ENabled Integrated Earth system modelling (GENIE) framework. <i>Climate Dynamics</i> , <b>2007</b> , 29, 591-613	4.2	40
93	Closure of the Panama Seaway during the Pliocene: implications for climate and Northern Hemisphere glaciation. <i>Climate Dynamics</i> , <b>2007</b> , 30, 1-18	4.2	161
92	Tundra environments in the Neogene Sirius Group, Antarctica: evidence from the geological record and coupled atmosphere-vegetation models. <i>Journal of the Geological Society</i> , <b>2007</b> , 164, 317-322	2.7	13
91	The Mediterranean hydrologic budget from a Late Miocene global climate simulation. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2007</b> , 251, 254-267	2.9	88
90	Modelling Late Oligocene C4 grasses and climate. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2007</b> , 251, 239-253	2.9	29
89	Dynamics of a global-scale vegetation model. <i>Ecological Modelling</i> , <b>2006</b> , 198, 452-462	3	22
88	Twenty-First-Century Climate Impacts from a Declining Arctic Sea Ice Cover. <i>Journal of Climate</i> , <b>2006</b> , 19, 1109-1125	4.4	111
87	A review of palaeoclimates and palaeoenvironments in the Levant and Eastern Mediterranean from 25,000 to 5000 years BP: setting the environmental background for the evolution of human civilisation. <i>Quaternary Science Reviews</i> , <b>2006</b> , 25, 1517-1541	3.9	199
86	Vegetation cover in a warmer world simulated using a dynamic global vegetation model for the Mid-Pliocene. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2006</b> , 237, 412-427	2.9	42
85	Comparing transient, accelerated, and equilibrium simulations of the last 30 000 years with the GENIE-1 model. <i>Climate of the Past</i> , <b>2006</b> , 2, 221-235	3.9	21
84	Mesozoic climates: General circulation models and the rock record. <i>Sedimentary Geology</i> , <b>2006</b> , 190, 269-287		231
83	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
82	The ice age methane budget. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	103

81	Mid-Holocene NAO: A PMIP2 model intercomparison. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	64
80	The Atmospheric Impact of Uncertainties in Recent Arctic Sea Ice Reconstructions. <i>Journal of Climate</i> , <b>2005</b> , 18, 3996-4012	4.4	11
79	Evaluating the efficacy of planktonic foraminifer calcite $\delta^{18}O$ data for sea surface temperature reconstruction for the Late Miocene. <i>Geobios</i> , <b>2005</b> , 38, 843-863	1.5	23
78	High-resolution simulations of the last glacial maximum climate over Europe: a solution to discrepancies with continental palaeoclimatic reconstructions?. <i>Climate Dynamics</i> , <b>2005</b> , 24, 577-590	4.2	131
77	Systematic optimisation and climate simulation of FAMOUS, a fast version of HadCM3. <i>Climate Dynamics</i> , <b>2005</b> , 25, 189-204	4.2	75
76	Parameter estimation in an atmospheric GCM using the Ensemble Kalman Filter. <i>Nonlinear Processes in Geophysics</i> , <b>2005</b> , 12, 363-371	2.9	80
75	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
74	Cretaceous (Wealden) climates: a modelling perspective. <i>Cretaceous Research</i> , <b>2004</b> , 25, 303-311	1.8	69
73	An evaluation of two spatial interpolation techniques in global sea-surface temperature reconstructions: Last Glacial Maximum and Pliocene case studies. <i>Quaternary Science Reviews</i> , <b>2004</b> , 23, 1041-1051	3.9	5
72	Modelling Pliocene warmth: contribution of atmosphere, oceans and cryosphere. <i>Earth and Planetary Science Letters</i> , <b>2004</b> , 218, 363-377	5.3	228
71	The effect of ocean dynamics in a coupled GCM simulation of the Last Glacial Maximum. <i>Climate Dynamics</i> , <b>2003</b> , 20, 203-218	4.2	88
70	Constant elevation of southern Tibet over the past 15 million years. <i>Nature</i> , <b>2003</b> , 421, 622-4	50.4	483
69	Insolation forcing of the Australian monsoon as controls of Pleistocene mega-lake events. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	18
68	Palaeoclimate studies at the millennium the role of the coupled system. <i>International Geophysics</i> , <b>2002</b> , 83, 316-325		
67	Atmospheric contributions to the surface mass balance of Greenland in the HadAM3 atmospheric model. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, ACL 3-1-ACL 3-20		17
66	Global middle Pliocene biome reconstruction: A data/model synthesis. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2002</b> , 3, 1-18	3.6	24
65	Modeling the dynamics of terrestrial carbon storage since the Last Glacial Maximum. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 31-1-31-4	4.9	73
64	Dust deposition and provenance at the Last Glacial Maximum and present day. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 42-1-42-4	4.9	40

63	The modern dust cycle: Comparison of model results with observations and study of sensitivities. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, AAC 1-1-AAC 1-16		56
62	Antarctic climate during the middle Pliocene: model sensitivity to ice sheet variation. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2002</b> , 182, 93-115	2.9	25
61	Magnitude of climate variability during middle Pliocene warmth: a palaeoclimate modelling study. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2002</b> , 188, 1-24	2.9	39
60	Modeling the Impact of Land Surface Degradation on the Climate of Tropical North Africa. <i>Journal of Climate</i> , <b>2001</b> , 14, 1809-1822	4.4	79
59	Patterns and Variations of Snow Accumulation over Greenland, 1979-1998, from ECMWF Analyses, and Their Verification. <i>Journal of Climate</i> , <b>2001</b> , 14, 3521-3535	4.4	19
58	Sensitivity of the Northern Hemisphere climate of the Last Glacial Maximum to sea surface temperatures. <i>Climate Dynamics</i> , <b>2001</b> , 17, 233-248	4.2	12
57	Validation of ECMWF (re)analysis surface climate data, 1979-1998, for Greenland and implications for mass balance modelling of the ice sheet. <i>International Journal of Climatology</i> , <b>2001</b> , 21, 171-195	3.5	34
56	Dust transport to Dome C, Antarctica, at the Last Glacial Maximum and present day. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 295-298	4.9	51
55	Climates at the Last Glacial Maximum: Influence of Model Horizontal Resolution. <i>Journal of Climate</i> , <b>2000</b> , 13, 1554-1573	4.4	19
54	Impact of CO <sub>2</sub> Doubling on the Asian Summer Monsoon. <i>Journal of the Meteorological Society of Japan</i> , <b>2000</b> , 78, 421-439	2.8	72
53	Characterizing GCM Land Surface Schemes to Understand Their Responses to Climate Change. <i>Journal of Climate</i> , <b>2000</b> , 13, 3066-3079	4.4	62
52	South American palaeoclimate model simulations: how reliable are the models?. <i>Journal of Quaternary Science</i> , <b>2000</b> , 15, 357-368	2.3	39
51	Synoptic-scale perturbations in AGCM simulations of the present and Last Glacial Maximum climates. <i>Climate Dynamics</i> , <b>2000</b> , 16, 517-533	4.2	9
50	Equability in an unequal world: The early Eocene revisited. <i>Gff</i> , <b>2000</b> , 122, 101-102	0.9	
49	On the position of southern hemisphere westerlies at the Last Glacial Maximum: an outline of AGCM simulation results and evaluation of their implications. <i>Quaternary Science Reviews</i> , <b>2000</b> , 19, 881-898	3.9	74
48	Global scale palaeoclimate reconstruction of the middle Pliocene climate using the UKMO GCM: initial results. <i>Global and Planetary Change</i> , <b>2000</b> , 25, 239-256	4.2	131
47	Geological evaluation of multiple general circulation model simulations of Late Jurassic palaeoclimate. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2000</b> , 156, 147-160	2.9	53
46	Late Cretaceous and Cenozoic global palaeogeographies: Mapping the transition from a Bot-house to an It-house world. <i>Gff</i> , <b>2000</b> , 122, 103-103	0.9	14

45	Impact of the North American ice-sheet orography on the Last Glacial Maximum eddies and snowfall. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 1515-1518	4.9	74
44	The effect of Amazonian deforestation on the northern hemisphere circulation and climate. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 3053-3056	4.9	134
43	Warm climate forcing mechanisms <b>1999</b> , 3-20		4
42	Northern Hemisphere Storm Tracks in Present Day and Last Glacial Maximum Climate Simulations: A Comparison of the European PMIP Models*. <i>Journal of Climate</i> , <b>1999</b> , 12, 742-760	4.4	126
41	Global terrestrial productivity in the Mid-Cretaceous (100 Ma): Model simulations and data <b>1999</b> ,		5
40	Weather regimes in past climate atmospheric general circulation model simulations. <i>Climate Dynamics</i> , <b>1999</b> , 15, 773-793	4.2	40
39	Modelling the climate response to orbital forcing. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>1999</b> , 357, 1873-1890	3	14
38	Simulations of the Last Glacial Maximum climates using a general circulation model: prescribed versus computed sea surface temperatures. <i>Climate Dynamics</i> , <b>1998</b> , 14, 571-591	4.2	69
37	Modelling the Asian summer monsoon rainfall and Eurasian winter/spring snow mass. <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>1998</b> , 124, 2567-2596	6.4	29
36	A comparison of GCM simulated Cretaceous 'greenhouse' and 'icehouse' climates: implications for the sedimentary record. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>1998</b> , 142, 123-138	2.9	46
35	The influence of Carboniferous palaeoatmospheres on plant function: an experimental and modelling assessment. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>1998</b> , 353, 131-140	5.8	53
34	Quantitative palaeoclimate GCM validation: Late Jurassic and mid-Cretaceous case studies. <i>Journal of the Geological Society</i> , <b>1997</b> , 154, 769-772	2.7	16
33	A GCM Simulation of the Climate 6000 Years Ago. <i>Journal of Climate</i> , <b>1997</b> , 10, 3-17	4.4	71
32	Prediction of modern bauxite occurrence: implications for climate reconstruction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>1997</b> , 131, 1-13	2.9	36
31	Geological evaluation of climate General Circulation Models and model implications for Mesozoic cloud cover. <i>Terra Nova</i> , <b>1997</b> , 9, 75-78	3	20
30	Atmospheric equilibrium, instability and energy transport at the last glacial maximum. <i>Climate Dynamics</i> , <b>1996</b> , 12, 497-511	4.2	17
29	The Maintenance of the Last Great Ice Sheets: A UGAMP GCM Study. <i>Journal of Climate</i> , <b>1996</b> , 9, 1004-1019	4.9	89
28	Atmospheric equilibrium, instability and energy transport at the last glacial maximum <b>1996</b> , 12, 497		3



27	Modelling Late Jurassic Milankovitch climate variations. <i>Geological Society Special Publication</i> , <b>1995</b> , 85, 115-132	1.7	18
26	Sensitivity Studies of Northern Hemisphere Glaciation Using an Atmospheric General Circulation Model. <i>Journal of Climate</i> , <b>1995</b> , 8, 2471-2496	4.4	77
25	Storm tracks in a high-resolution GCM with doubled carbon dioxide. <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>1994</b> , 120, 1209-1230	6.4	113
24	Storm tracks in a high-resolution GCM with doubled carbon dioxide <b>1994</b> , 120, 1209		6
23	Mid-Latitude Depressions during the Last Ice-Age <b>1994</b> , 511-531		7
22	Atmospheric general circulation models of the Jurassic <b>1994</b> , 109-118		11
21	A palaeoclimate model for the Kimmeridgian. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>1992</b> , 95, 47-72	2.9	108
20	Nonlinear Orographically Forced Planetary Waves. <i>Journals of the Atmospheric Sciences</i> , <b>1991</b> , 48, 2089-2106		44
19	On the Existence of Storm-Tracks. <i>Journals of the Atmospheric Sciences</i> , <b>1990</b> , 47, 1854-1864	2.1	609
18	Linear Stationary Wave Simulations of the Time-Mean Climatological Flow. <i>Journals of the Atmospheric Sciences</i> , <b>1989</b> , 46, 2509-2527	2.1	72
17	Baroclinic Instability of the Zonally Averaged Flow with Boundary Layer Damping. <i>Journals of the Atmospheric Sciences</i> , <b>1988</b> , 45, 1584-1593	2.1	40
16	The mid-Pliocene warm period: A test-bed for integrating data and models443-457		5
15	Characterizing ice sheets during the Pliocene: evidence from data and models517-538		60
14	DeepMIP: Model intercomparison of early Eocene climatic optimum (EECO) large-scale climate features and comparison with proxy data		5
13	Impact of melt water on high latitude early Last Interglacial climate		2
12	Simulating the Climate Response to Atmospheric Oxygen Variability in the Phanerozoic		2
11	Insights into the early Eocene hydrological cycle from an ensemble of atmosphere-ocean GCM simulations		1
10	Modelling Maastrichtian climate: investigating the role of geography, atmospheric CO <sub>2</sub> and vegetation		16

9	Response of methane emissions from wetlands to the Last Glacial Maximum and an idealized Dansgaard-Oeschger climate event: insights from two models of different complexity	3
8	Transient climate simulations of the deglaciation 219 thousand years before present; PMIP4 Core experiment design and boundary conditions	2
7	Assessment of soil moisture fields from imperfect climate models with uncertain satellite observations	1
6	The impact of a seasonally ice free Arctic Ocean on the climate and surface mass balance of Svalbard	1
5	Ocean dominated expansion and contraction of the late Quaternary tropical rainbelt	1
4	Limited response of peatland CH <sub>4</sub> emissions to abrupt Atlantic Ocean circulation changes in glacial climates	1
3	Modelling global-scale climate impacts of the late Miocene Messinian Salinity Crisis	1
2	Climate and genetic diversity change in mammals during the Late Quaternary	1
1	Effect of orographic gravity wave drag on Northern Hemisphere climate in transient simulations of the last deglaciation. <i>Climate Dynamics</i> ,1	4.2 0