Paul J Valdes

List of Publications by Citations

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	The HadGEM2-ES implementation of CMIP5 centennial simulations. *Geoscientific Model Development*, **2011**, 4, 543-570	6.3	662
295	On the Existence of Storm-Tracks. *Journals of the Atmospheric Sciences*, **1990**, 47, 1854-1864	2.1	609
294	Species-specific responses of Late Quaternary megafauna to climate and humans. *Nature*, **2011**, 479, 359-64	50.4	483
293	Constant elevation of southern Tibet over the past 15 million years. *Nature*, **2003**, 421, 622-4	50.4	483
292	POPULATION GENETICS. Genomic evidence for the Pleistocene and recent population history of Native Americans. *Science*, **2015**, 349, aab3884	33.3	317
291	Quaternary climate changes explain diversity among reptiles and amphibians. *Ecography*, **2008**, 31, 8-15	6.5	282
290	Mesozoic climates: General circulation models and the rock record. *Sedimentary Geology*, **2006**, 190, 269-287	2.8	231
289	A new global biome reconstruction and data-model comparison for the Middle Pliocene. *Global Ecology and Biogeography*, **2008**, 17, 432-447	6.1	229
288	Modelling Pliocene warmth: contribution of atmosphere, oceans and cryosphere. *Earth and Planetary Science Letters*, **2004**, 218, 363-377	5.3	228
287	Making sense of palaeoclimate sensitivity. *Nature*, **2012**, 491, 683-91	50.4	208
286	Past and future polar amplification of climate change: climate model intercomparisons and ice-core constraints. *Climate Dynamics*, **2006**, 26, 513-529	4.2	205
285	Earth system sensitivity inferred from Pliocene modelling and data. *Nature Geoscience*, **2010**, 3, 60-64	18.3	199
284	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. *Quaternary Science Reviews*, **2006**, 25, 1517-1541	3.9	199
283	High-latitude climate sensitivity to ice-sheet forcing over the last 120kyr. *Quaternary Science Reviews*, **2010**, 29, 43-55	3.9	179
282	Transient simulations of Holocene atmospheric carbon dioxide and terrestrial carbon since the Last Glacial Maximum. *Global Biogeochemical Cycles*, **2004**, 18, n/a-n/a	5.9	174
281	Climate model and proxy data constraints on ocean warming across the Paleocene–Eocene Thermal Maximum. *Earth-Science Reviews*, **2013**, 125, 123-145	10.2	170
280	Closure of the Panama Seaway during the Pliocene: implications for climate and Northern Hemisphere glaciation. *Climate Dynamics*, **2007**, 30, 1-18	4.2	161

279	A model–data comparison for a multi-model ensemble of early Eocene atmosphere–ocean simulations: EoMIP. *Climate of the Past*, **2012**, 8, 1717-1736	3.9	160
278	Deglacial rapid sea level rises caused by ice-sheet saddle collapses. *Nature*, **2012**, 487, 219-22	50.4	144
277	The effect of Amazonian deforestation on the northern hemisphere circulation and climate. *Geophysical Research Letters*, **2000**, 27, 3053-3056	4.9	134
276	High-resolution simulations of the last glacial maximum climate over Europe: a solution to discrepancies with continental palaeoclimatic reconstructions?. *Climate Dynamics*, **2005**, 24, 577-590	4.2	131
275	Global scale palaeoclimate reconstruction of the middle Pliocene climate using the UKMO GCM: initial results. *Global and Planetary Change*, **2000**, 25, 239-256	4.2	131
274	Northern Hemisphere Storm Tracks in Present Day and Last Glacial Maximum Climate Simulations: A Comparison of the European PMIP Models*. *Journal of Climate*, **1999**, 12, 742-760	4.4	126
273	Late Pleistocene climate change and the global expansion of anatomically modern humans. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 16089-94	11.5	121
272	Stable water isotopes in HadCM3: Isotopic signature of El Niño–Southern Oscillation and the tropical amount effect. *Journal of Geophysical Research*, **2009**, 114,		121
271	Late Holocene methane rise caused by orbitally controlled increase in tropical sources. *Nature*, **2011**, 470, 82-5	50.4	120
270	Palaeoclimate constraints on the impact of 2 °C anthropogenic warming and beyond. *Nature Geoscience*, **2018**, 11, 474-485	18.3	115
269	Exploring climatic and biotic controls on Holocene vegetation change in Fennoscandia. *Journal of Ecology*, **2008**, 96, 247-259	6	114
268	Storm tracks in a high-resolution GCM with doubled carbon dioxide. *Quarterly Journal of the Royal Meteorological Society*, **1994**, 120, 1209-1230	6.4	113
267	Twenty-First-Century Climate Impacts from a Declining Arctic Sea Ice Cover. *Journal of Climate*, **2006**, 19, 1109-1125	4.4	111
266	No high Tibetan Plateau until the Neogene. *Science Advances*, **2019**, 5, eaav2189	14.3	109
265	A palaeoclimate model for the Kimmeridgian. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **1992**, 95, 47-72	2.9	108
264	The BRIDGE HadCM3 family of climate models: HadCM3@Bristol v1.0. *Geoscientific Model Development*, **2017**, 10, 3715-3743	6.3	106
263	The PMIP4 contribution to CMIP6 – Part 1: Overview and over-arching analysis plan. *Geoscientific Model Development*, **2018**, 11, 1033-1057	6.3	106
262	New developments in CLAMP: Calibration using global gridded meteorological data. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2009**, 283, 91-98	2.9	105

261	Modelling the oxygen isotope distribution of ancient seawater using a coupled ocean□atmosphere GCM: Implications for reconstructing early Eocene climate. *Earth and Planetary Science Letters*, **2010**, 292, 265-273	5.3	103
260	The ice age methane budget. *Geophysical Research Letters*, **2005**, 32,	4.9	103
259	Eocene greenhouse climate revealed by coupled clumped isotope-Mg/Ca thermometry. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 1174-1179	11.5	98
258	Tackling regional climate change by leaf albedo bio-geoengineering. *Current Biology*, **2009**, 19, 146-50	6.3	95
257	Enhanced chemistry-climate feedbacks in past greenhouse worlds. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 9770-5	11.5	93
256	CO2-driven ocean circulation changes as an amplifier of Paleocene-Eocene thermal maximum hydrate destabilization. *Geology*, **2010**, 38, 875-878	5	91
255	Jurassic climates. *Proceedings of the Geologists Association*, **2008**, 119, 5-17	1.1	89
254	The Maintenance of the Last Great Ice Sheets: A UGAMP GCM Study. *Journal of Climate*, **1996**, 9, 1004-1019	4.4	89
253	Last glacial vegetation of northern Eurasia. *Quaternary Science Reviews*, **2010**, 29, 2604-2618	3.9	88
252	The Mediterranean hydrologic budget from a Late Miocene global climate simulation. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2007**, 251, 254-267	2.9	88
251	The effect of ocean dynamics in a coupled GCM simulation of the Last Glacial Maximum. *Climate Dynamics*, **2003**, 20, 203-218	4.2	88
250	On the causes of mid-Pliocene warmth and polar amplification. *Earth and Planetary Science Letters*, **2012**, 321-322, 128-138	5.3	86
249	A permanent El Ni□□ke state during the Pliocene?. *Paleoceanography*, **2007**, 22, n/a-n/a		85
248	□unshade World□A fully coupled GCM evaluation of the climatic impacts of geoengineering. *Geophysical Research Letters*, **2008**, 35, n/a-n/a	4.9	80
247	Parameter estimation in an atmospheric GCM using the Ensemble Kalman Filter. *Nonlinear Processes in Geophysics*, **2005**, 12, 363-371	2.9	80
246	Past East Asian monsoon evolution controlled by paleogeography, not CO. *Science Advances*, **2019**, 5, eaax1697	14.3	79
245	Modeling the Impact of Land Surface Degradation on the Climate of Tropical North Africa. *Journal of Climate*, **2001**, 14, 1809-1822	4.4	79
244	Multiple causes of the Younger Dryas cold period. *Nature Geoscience*, **2015**, 8, 946-949	18.3	77

243	Introduction. Pliocene climate, processes and problems. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2009**, 367, 3-17	3	77
242	Sensitivity Studies of Northern Hemisphere Glaciation Using an Atmospheric General Circulation Model. *Journal of Climate*, **1995**, 8, 2471-2496	4.4	77
241	Hydrological and associated biogeochemical consequences of rapid global warming during the Paleocene-Eocene Thermal Maximum. *Global and Planetary Change*, **2017**, 157, 114-138	4.2	75
240	Systematic optimisation and climate simulation of FAMOUS, a fast version of HadCM3. *Climate Dynamics*, **2005**, 25, 189-204	4.2	75
239	On the position of southern hemisphere westerlies at the Last Glacial Maximum: an outline of AGCM simulation results and evaluation of their implications. *Quaternary Science Reviews*, **2000**, 19, 881-898	3.9	74
238	Impact of the North American ice-sheet orography on the Last Glacial Maximum eddies and snowfall. *Geophysical Research Letters*, **2000**, 27, 1515-1518	4.9	74
237	Modeling the dynamics of terrestrial carbon storage since the Last Glacial Maximum. *Geophysical Research Letters*, **2002**, 29, 31-1-31-4	4.9	73
236	Comparison of mid-Pliocene climate predictions produced by the HadAM3 and GCMAM3 General Circulation Models. *Global and Planetary Change*, **2009**, 66, 208-224	4.2	72
235	Impact of CO2 Doubling on the Asian Summer Monsoon. *Journal of the Meteorological Society of Japan*, **2000**, 78, 421-439	2.8	72
234	Linear Stationary Wave Simulations of the Time-Mean Climatological Flow. *Journals of the Atmospheric Sciences*, **1989**, 46, 2509-2527	2.1	72
233	A GCM Simulation of the Climate 6000 Years Ago. *Journal of Climate*, **1997**, 10, 3-17	4.4	71
232	Uplift, climate and biotic changes at the Eocene-Oligocene transition in south-eastern Tibet. *National Science Review*, **2019**, 6, 495-504	10.8	69
231	The 8200 yr BP cold event in stable isotope records from the North Atlantic region. *Global and Planetary Change*, **2011**, 79, 288-302	4.2	69
230	Simulations of the Last Glacial Maximum climates using a general circulation model: prescribed versus computed sea surface temperatures. *Climate Dynamics*, **1998**, 14, 571-591	4.2	69
229	Cretaceous (Wealden) climates: a modelling perspective. *Cretaceous Research*, **2004**, 25, 303-311	1.8	69
228	Robustness despite uncertainty: regional climate data reveal the dominant role of humans in explaining global extinctions of Late Quaternary megafauna. *Ecography*, **2016**, 39, 152-161	6.5	66
227	Leaf form–climate relationships on the global stage: an ensemble of characters. *Global Ecology and Biogeography*, **2015**, 24, 1113-1125	6.1	65
226	Mid-Holocene NAO: A PMIP2 model intercomparison. *Geophysical Research Letters*, **2005**, 32,	4.9	64

225	Sea-surface temperature records of Termination 1 in the Gulf of California: Challenges for seasonal and interannual analogues of tropical Pacific climate change. *Paleoceanography*, **2012**, 27, n/a-n/a		63
224	The Late Cretaceous continental interior of Siberia: A challenge for climate models. *Earth and Planetary Science Letters*, **2008**, 267, 228-235	5.3	62
223	Characterizing GCM Land Surface Schemes to Understand Their Responses to Climate Change. *Journal of Climate*, **2000**, 13, 3066-3079	4.4	62
222	Evaluating the effects of terrestrial ecosystems, climate and carbon dioxide on weathering over geological time: a global-scale process-based approach. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2012**, 367, 565-82	5.8	61
221	Global peatland initiation driven by regionally asynchronous warming. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 4851-4856	11.5	60
220	Interhemispheric coupling, the West Antarctic Ice Sheet and warm Antarctic interglacials. *Climate of the Past*, **2010**, 6, 431-443	3.9	60
219	A Palaeogene perspective on climate sensitivity and methane hydrate instability. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2010**, 368, 2395-415	3	60
218	Characterizing ice sheets during the Pliocene: evidence from data and models517-538		60
217	On the identification of a Pliocene time slice for data-model comparison. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2013**, 371, 20120515	3	58
216	Transient climate simulations of the deglaciation 21–9 thousand years before present (version 1) – PMIP4 Core experiment design and boundary conditions. *Geoscientific Model Development*, **2016**, 9, 2563-2587	6.3	58
215	Investigating early hominin dispersal patterns: developing a framework for climate data integration. *Journal of Human Evolution*, **2007**, 53, 465-74	3.1	57
214	Antarctic isotopic thermometer during a CO2 forced warming event. *Journal of Geophysical Research*, **2008**, 113,		56
213	The modern dust cycle: Comparison of model results with observations and study of sensitivities. *Journal of Geophysical Research*, **2002**, 107, AAC 1-1-AAC 1-16		56
212	Bathymetric controls on Pliocene North Atlantic and Arctic sea surface temperature and deepwater production. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2011**, 309, 92-97	2.9	54
211	Geological evaluation of multiple general circulation model simulations of Late Jurassic palaeoclimate. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2000**, 156, 147-160	2.9	53
210	The influence of Carboniferous palaeoatmospheres on plant function: an experimental and modelling assessment. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **1998**, 353, 131-140	5.8	53
209	Dust transport to Dome C, Antarctica, at the Last Glacial Maximum and present day. *Geophysical Research Letters*, **2001**, 28, 295-298	4.9	51
208	Uncertainties in the modelled CO₂ threshold for Antarctic glaciation. *Climate of the Past*, **2014**, 10, 451-466	3.9	50

207	Sea surface temperatures of the mid-Piacenzian Warm Period: A comparison of PRISM3 and HadCM3. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2011**, 309, 83-91	2.9	49
206	Asteroid impact, not volcanism, caused the end-Cretaceous dinosaur extinction. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 17084-17093	11.5	48
205	Why 'the uplift of the Tibetan Plateau' is a myth. *National Science Review*, **2021**, 8, nwaa091	10.8	48
204	Evidence for the impact of the 8.2-kyBP climate event on Near Eastern early farmers. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 8705-8709	11.5	47
203	The Early Eocene equable climate problem: can perturbations of climate model parameters identify possible solutions?. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2013**, 371, 20130123	3	47
202	Abrupt B□ling warming and ice saddle collapse contributions to the Meltwater Pulse 1a rapid sea level rise. *Geophysical Research Letters*, **2016**, 43, 9130-9137	4.9	46
201	A comparison of GCM simulated Cretaceous 'greenhouse' and 'icehouse' climates: implications for the sedimentary record. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **1998**, 142, 123-138	2.9	46
200	Nonlinear Orographically Forced Planetary Waves. *Journals of the Atmospheric Sciences*, **1991**, 48, 2089-2106	2.9	44
199	Nature of the Antarctic Peninsula Ice Sheet during the Pliocene: Geological evidence and modelling results compared. *Earth-Science Reviews*, **2009**, 94, 79-94	10.2	42
198	Vegetation cover in a warmer world simulated using a dynamic global vegetation model for the Mid-Pliocene. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2006**, 237, 412-427	2.9	42
197	Mid-latitude continental temperatures through the early Eocene in western Europe. *Earth and Planetary Science Letters*, **2017**, 460, 86-96	5.3	41
196	Organic matter distribution in the modern sediments of the Pearl River Estuary. *Organic Geochemistry*, **2012**, 49, 68-82	3.1	41
195	The climatic impact of supervolcanic ash blankets. *Climate Dynamics*, **2007**, 29, 553-564	4.2	41
194	Paleogeographic controls on the onset of the Antarctic circumpolar current. *Geophysical Research Letters*, **2013**, 40, 5199-5204	4.9	40
193	An oceanic origin for the increase of atmospheric radiocarbon during the Younger Dryas. *Geophysical Research Letters*, **2008**, 35,	4.9	40
192	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. *Climate Dynamics*, **2007**, 29, 591-613	4.2	40
191	Dust deposition and provenance at the Last Glacial Maximum and present day. *Geophysical Research Letters*, **2002**, 29, 42-1-42-4	4.9	40
190	Weather regimes in past climate atmospheric general circulation model simulations. *Climate Dynamics*, **1999**, 15, 773-793	4.2	40

189	Baroclinic Instability of the Zonally Averaged Flow with Boundary Layer Damping. *Journals of the Atmospheric Sciences*, **1988**, 45, 1584-1593	2.1	40
188	A model–model and data–model comparison for the early Eocene hydrological cycle. *Climate of the Past*, **2016**, 12, 455-481	3.9	40
187	Magnitude of climate variability during middle Pliocene warmth: a palaeoclimate modelling study. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2002**, 188, 1-24	2.9	39
186	South American palaeoclimate model simulations: how reliable are the models?. *Journal of Quaternary Science*, **2000**, 15, 357-368	2.3	39
185	Global patterns in the divergence between phylogenetic diversity and species richness in terrestrial birds. *Journal of Biogeography*, **2017**, 44, 709-721	4.1	38
184	Climate envelope models suggest spatio-temporal co-occurrence of refugia of African birds and mammals. *Global Ecology and Biogeography*, **2013**, 22, 351-363	6.1	38
183	Holocene variations in peatland methane cycling associated with the Asian summer monsoon system. *Nature Communications*, **2014**, 5, 4631	17.4	38
182	Reconstructing paleosalinity from δ18O: Coupled model simulations of the Last Glacial Maximum, Last Interglacial and Late Holocene. *Quaternary Science Reviews*, **2016**, 131, 350-364	3.9	37
181	Lessons on Climate Sensitivity From Past Climate Changes. *Current Climate Change Reports*, **2016**, 2, 148–158	3.9	36
180	Simulating idealized Dansgaard-Oeschger events and their potential impacts on the global methane cycle. *Quaternary Science Reviews*, **2011**, 30, 3258-3268	3.9	36
179	Prediction of modern bauxite occurrence: implications for climate reconstruction. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **1997**, 131, 1-13	2.9	36
178	Millennial climatic fluctuations are key to the structure of last glacial ecosystems. *PLoS ONE*, **2013**, 8, e61963	3.7	35
177	Antarctic last interglacial isotope peak in response to sea ice retreat not ice-sheet collapse. *Nature Communications*, **2016**, 7, 12293	17.4	35
176	Validation of ECMWF (re)analysis surface climate data, 1979–1998, for Greenland and implications for mass balance modelling of the ice sheet. *International Journal of Climatology*, **2001**, 21, 171-195	3.5	34
175	Reconciling the changes in atmospheric methane sources and sinks between the Last Glacial Maximum and the pre-industrial era. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	33
174	A methodology for targeting palaeo proxy data acquisition: A case study for the terrestrial late Miocene. *Earth and Planetary Science Letters*, **2008**, 271, 53-62	5.3	33
173	Spatio-temporal climate change contributes to latitudinal diversity gradients. *Nature Ecology and Evolution*, **2019**, 3, 1419-1429	12.3	32
172	Quantifying the relative importance of land cover change from climate and land use in the representative concentration pathways. *Global Biogeochemical Cycles*, **2015**, 29, 842-853	5.9	32

171	Modelling global-scale climate impacts of the late Miocene Messinian Salinity Crisis. *Climate of the Past*, **2014**, 10, 607-622	3.9	32
170	Ocean dominated expansion and contraction of the late Quaternary tropical rainbelt. *Scientific Reports*, **2017**, 7, 9382	4.9	31
169	Terrestrial biosphere changes over the last 120 kyr. *Climate of the Past*, **2016**, 12, 51-73	3.9	31
168	The PMIP4 Last Glacial Maximum experiments: preliminary results and comparison with the PMIP3 simulations. *Climate of the Past*, **2021**, 17, 1065-1089	3.9	31
167	Climate and carbon cycle response to the 1815 Tambora volcanic eruption. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 12,497-12,507	4.4	30
166	Late Quaternary climate legacies in contemporary plant functional composition. *Global Change Biology*, **2018**, 24, 4827-4840	11.4	29
165	Full effects of land use change in the representative concentration pathways. *Environmental Research Letters*, **2014**, 9, 114014	6.2	29
164	Modelling the Asian summer monsoon rainfall and Eurasian winter/spring snow mass. *Quarterly Journal of the Royal Meteorological Society*, **1998**, 124, 2567-2596	6.4	29
163	Modelling Late Oligocene C4 grasses and climate. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2007**, 251, 239-253	2.9	29
162	Collapse of the North American ice saddle 14,500 years ago caused widespread cooling and reduced ocean overturning circulation. *Geophysical Research Letters*, **2017**, 44, 383-392	4.9	28
161	Sensitivity of modern climate to the presence, strength and salinity of Mediterranean-Atlantic exchange in a global general circulation model. *Climate Dynamics*, **2014**, 42, 859-877	4.2	28
160	Last glacial maximum radiative forcing from mineral dust aerosols in an Earth system model. *Journal of Geophysical Research D: Atmospheres*, **2015**, 120, 8186-8205	4.4	28
159	Multi vegetation model evaluation of the Green Sahara climate regime. *Geophysical Research Letters*, **2017**, 44, 6804-6813	4.9	27
158	Topography's crucial role in Heinrich Events. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 16688-93	11.5	27
157	Climate model predictions for the latest Cretaceous: An evaluation using climatically sensitive sediments as proxy indicators. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2012**, 315-316, 12-23	2.9	27
156	Modeling the 8.2 ka event using a coupled atmosphere–ocean GCM. *Global and Planetary Change*, **2011**, 79, 312-321	4.2	27
155	A Middle Eocene lowland humid subtropical "Shangri-La" ecosystem in central Tibet. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 32989-32995	11.5	27
154	A new constraint on the size of Heinrich Events from an iceberg/sediment model. *Earth and Planetary Science Letters*, **2014**, 386, 1-9	5.3	26

153	Can energy fluxes be used to interpret glacial/interglacial precipitation changes in the tropics?. *Geophysical Research Letters*, **2017**, 44, 6373-6382	4.9	26
152	Optimal tuning of a GCM using modern and glacial constraints. *Climate Dynamics*, **2011**, 37, 705-719	4.2	26
151	DeepMIP: model intercomparison of early Eocene climatic optimum (EECO) large-scale climate features and comparison with proxy data. *Climate of the Past*, **2021**, 17, 203-227	3.9	26
150	First Nd isotope record of Mediterranean–Atlantic water exchange through the Moroccan Rifian Corridor during the Messinian Salinity Crisis. *Earth and Planetary Science Letters*, **2013**, 368, 163-174	5.3	25
149	Antarctic climate during the middle Pliocene: model sensitivity to ice sheet variation. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2002**, 182, 93-115	2.9	25
148	The Mid-Brunhes Event and West Antarctic ice sheet stability. *Journal of Quaternary Science*, **2011**, 26, 474-477	2.3	24
147	Global middle Pliocene biome reconstruction: A data/model synthesis. *Geochemistry, Geophysics, Geosystems*, **2002**, 3, 1-18	3.6	24
146	The early Eocene rise of the Gonjo Basin, SE Tibet: From low desert to high forest. *Earth and Planetary Science Letters*, **2020**, 543, 116312	5.3	24
145	What can Palaeoclimate Modelling do for you?. *Earth Systems and Environment*, **2019**, 3, 1-18	7.5	23
144	Amplified plant turnover in response to climate change forecast by Late Quaternary records. *Nature Climate Change*, **2016**, 6, 1115-1119	21.4	23
143	Sensitivity of a coupled climate model to canopy interception capacity. *Climate Dynamics*, **2014**, 42, 1715-1732	4.2	23
142	Modelling of hydrology and potential population levels at Bronze Age Jawa, Northern Jordan: a Monte Carlo approach to cope with uncertainty. *Journal of Archaeological Science*, **2008**, 35, 517-529	2.9	23
141	Evaluating the efficacy of planktonic foraminifer calcite δ18O data for sea surface temperature reconstruction for the Late Miocene. *Geobios*, **2005**, 38, 843-863	1.5	23
140	Understanding the glacial methane cycle. *Nature Communications*, **2017**, 8, 14383	17.4	22
139	Non-random latitudinal gradients in range size and niche breadth predicted by spatial patterns of climate. *Global Ecology and Biogeography*, **2019**, 28, 928-942	6.1	22
138	Last glacial maximum constraints on the Earth System model HadGEM2-ES. *Climate Dynamics*, **2015**, 45, 1657-1672	4.2	22
137	The impact of a seasonally ice free Arctic Ocean on the temperature, precipitation and surface mass balance of Svalbard. *Cryosphere*, **2012**, 6, 35-50	5.5	22
136	Dynamics of a global-scale vegetation model. *Ecological Modelling*, **2006**, 198, 452-462	3	22

135	Modelling equable climates of the Late Cretaceous: Can new boundary conditions resolve data–model discrepancies?. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2013**, 392, 41-51	2.9	21
134	Warm climates of the past--a lesson for the future?. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2013**, 371, 20130146	3	21
133	Comparing transient, accelerated, and equilibrium simulations of the last 30 000 years with the GENIE-1 model. *Climate of the Past*, **2006**, 2, 221-235	3.9	21
132	Oligocene climate signals and forcings in Eurasia revealed by plant macrofossil and modelling results. *Gondwana Research*, **2018**, 61, 115-127	5.1	21
131	Latest Neogene monsoon of the Chotanagpur Plateau, eastern India, as revealed by fossil leaf architectural signatures. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2020**, 545, 109641	2.9	20
130	Ecosystem CO2 starvation and terrestrial silicate weathering: mechanisms and global-scale quantification during the late Miocene. *Journal of Ecology*, **2012**, 100, 31-41	6	20
129	Assessment of soil moisture fields from imperfect climate models with uncertain satellite observations. *Hydrology and Earth System Sciences*, **2009**, 13, 1545-1553	5.5	20
128	Geological evaluation of climate General Circulation Models and model implications for Mesozoic cloud cover. *Terra Nova*, **1997**, 9, 75-78	3	20
127	The parameterisation of Mediterranean–Atlantic water exchange in the Hadley Centre model HadCM3, and its effect on modelled North Atlantic climate. *Ocean Modelling*, **2013**, 62, 11-16	3	19
126	Out of Amazonia: Late-Holocene climate change and the Tupi–Guarani trans-continental expansion. *Holocene*, **2017**, 27, 967-975	2.6	19
125	A new regional, mid-Holocene palaeoprecipitation signal of the Asian Summer Monsoon. *Quaternary Science Reviews*, **2013**, 78, 65-76	3.9	19
124	Patterns and Variations of Snow Accumulation over Greenland, 1979–98, from ECMWF Analyses, and Their Verification. *Journal of Climate*, **2001**, 14, 3521-3535	4.4	19
123	Climates at the Last Glacial Maximum: Influence of Model Horizontal Resolution. *Journal of Climate*, **2000**, 13, 1554-1573	4.4	19
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