Paul J Valdes

List of Publications by Year
in descending order

289 papers	19,412 citations	9254 74 h-index	17580 121 g-index
354 all docs	354 docs citations	354 times ranked	18150 citing authors

#	Article	IF	Citations
1	The HadGEM2-ES implementation of CMIP5 centennial simulations. Geoscientific Model Development, 2011, 4, 543-570.	1.3	803
2	On the Existence of Storm-Tracks. Journals of the Atmospheric Sciences, 1990, 47, 1854-1864.	0.6	734
3	Species-specific responses of Late Quaternary megafauna to climate and humans. Nature, 2011, 479, 359-364.	13.7	586
4	Constant elevation of southern Tibet over the past 15 million years. Nature, 2003, 421, 622-624.	13.7	564
5	Genomic evidence for the Pleistocene and recent population history of Native Americans. Science, 2015, 349, aab3884.	6.0	449
6	Quaternary climate changes explain diversity among reptiles and amphibians. Ecography, 2008, 31, 8-15.	2.1	345
7	Mesozoic climates: General circulation models and the rock record. Sedimentary Geology, 2006, 190, 269-287.	1.0	313
8	A new global biome reconstruction and dataâ€model comparison for the Middle Pliocene. Global Ecology and Biogeography, 2008, 17, 432-447.	2.7	275
9	Modelling Pliocene warmth: contribution of atmosphere, oceans and cryosphere. Earth and Planetary Science Letters, 2004, 218, 363-377.	1.8	254
10	Making sense of palaeoclimate sensitivity. Nature, 2012, 491, 683-691.	13.7	247
11	Past and future polar amplification of climate change: climate model intercomparisons and ice-core constraints. Climate Dynamics, 2006, 26, 513-529.	1.7	240
12	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.	1.4	237
13	Earth system sensitivity inferred from Pliocene modelling and data. Nature Geoscience, 2010, 3, 60-64.	5.4	230
14	High-latitude climate sensitivity to ice-sheet forcing over the last 120kyr. Quaternary Science Reviews, 2010, 29, 43-55.	1.4	214
15	Climate model and proxy data constraints on ocean warming across the Paleoceneâ€"Eocene Thermal Maximum. Earth-Science Reviews, 2013, 125, 123-145.	4.0	214
16	Transient simulations of Holocene atmospheric carbon dioxide and terrestrial carbon since the Last Glacial Maximum. Global Biogeochemical Cycles, 2004, 18, n/a-n/a.	1.9	197
17	A modelâ€"data comparison for a multi-model ensemble of early Eocene atmosphereâ€"ocean simulations: EoMIP. Climate of the Past, 2012, 8, 1717-1736.	1.3	196
18	No high Tibetan Plateau until the Neogene. Science Advances, 2019, 5, eaav2189.	4.7	193

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19	Past East Asian monsoon evolution controlled by paleogeography, not CO ₂. Science Advances, 2019, 5, eaax1697.	4.7	192
20	Built for stability. Nature Geoscience, 2011, 4, 414-416.	5.4	188
21	The BRIDGE HadCM3 family of climate models: HadCM3@BristolÂv1.0. Geoscientific Model Development, 2017, 10, 3715-3743.	1.3	188
22	Deglacial rapid sea level rises caused by ice-sheet saddle collapses. Nature, 2012, 487, 219-222.	13.7	185
23	Closure of the Panama Seaway during the Pliocene: implications for climate and Northern Hemisphere glaciation. Climate Dynamics, 2007, 30, 1-18.	1.7	181
24	The effect of Amazonian deforestation on the northern hemisphere circulation and climate. Geophysical Research Letters, 2000, 27, 3053-3056.	1.5	168
25	Palaeoclimate constraints on the impact of 2 Â°C anthropogenic warming and beyond. Nature Geoscience, 2018, 11, 474-485.	5.4	166
26	The PMIP4 contribution to CMIP6 â€“ Part 1: Overview and over-arching analysis plan. Geoscientific Model Development, 2018, 11, 1033-1057.	1.3	164
27	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, 16089-16094.	3.3	157
28	Uplift, climate and biotic changes at the Eoceneâ€“Oligocene transition in south-eastern Tibet. National Science Review, 2019, 6, 495-504.	4.6	155
29	Why â€˜the uplift of the Tibetan Plateauâ€™ is a myth. National Science Review, 2021, 8, nwaa091.	4.6	155
30	Stable water isotopes in HadCM3: Isotopic signature of El NiÃ±oâ€“Southern Oscillation and the tropical amount effect. Journal of Geophysical Research, 2009, 114, .	3.3	153
31	Storm tracks in a high-resolution GCM with doubled carbon dioxide. Quarterly Journal of the Royal Meteorological Society, 1994, 120, 1209-1230.	1.0	149
32	Global scale palaeoclimate reconstruction of the middle Pliocene climate using the UKMO GCM: initial results. Global and Planetary Change, 2000, 25, 239-256.	1.6	148
33	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.	3.3	146
34	Late Holocene methane rise caused by orbitally controlled increase in tropical sources. Nature, 2011, 470, 82-85.	13.7	145
35	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.	1.7	142
36	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.	1.2	138

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37	A palaeoclimate model for the Kimmeridgian. Palaeogeography, Palaeoclimatology, Palaeoecology, 1992, 95, 47-72.	1.0	130
38	Twenty-First-Century Climate Impacts from a Declining Arctic Sea Ice Cover. Journal of Climate, 2006, 19, 1109-1125.	1.2	127
39	New developments in CLAMP: Calibration using global gridded meteorological data. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 283, 91-98.	1.0	124
40	Exploring climatic and biotic controls on Holocene vegetation change in Fennoscandia. Journal of Ecology, 2008, 96, 247-259.	1.9	122
41	Hydrological and associated biogeochemical consequences of rapid global warming during the Paleocene-Eocene Thermal Maximum. Global and Planetary Change, 2017, 157, 114-138.	1.6	119
42	The ice age methane budget. Geophysical Research Letters, 2005, 32, .	1.5	117
43	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.	3.3	116
44	Tackling Regional Climate Change By Leaf Albedo Bio-geoengineering. Current Biology, 2009, 19, 146-150.	1.8	115
45	Modelling the oxygen isotope distribution of ancient seawater using a coupled oceanâ€"atmosphere GCM: Implications for reconstructing early Eocene climate. Earth and Planetary Science Letters, 2010, 292, 265-273.	1.8	114
46	Multiple causes of the Younger Dryas cold period. Nature Geoscience, 2015, 8, 946-949.	5.4	112
47	Jurassic climates. Proceedings of the Geologists Association, 2008, 119, 5-17.	0.6	109
48	Enhanced chemistry-climate feedbacks in past greenhouse worlds. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9770-9775.	3.3	108
49	The PMIP4 Last Glacial Maximum experiments: preliminary results and comparison with the PMIP3 simulations. Climate of the Past, 2021, 17, 1065-1089.	1.3	107
50	Last glacial vegetation of northern Eurasia. Quaternary Science Reviews, 2010, 29, 2604-2618.	1.4	103
51	The Mediterranean hydrologic budget from a Late Miocene global climate simulation. Palaeogeography, Palaeoclimatology, Palaeoecology, 2007, 251, 254-267.	1.0	102
52	CO2-driven ocean circulation changes as an amplifier of Paleocene-Eocene thermal maximum hydrate destabilization. Geology, 2010, 38, 875-878.	2.0	100
53	On the causes of mid-Pliocene warmth and polar amplification. Earth and Planetary Science Letters, 2012, 321-322, 128-138.	1.8	97
54	A permanent El NiÃ±o-like state during the Pliocene?. Paleoceanography, 2007, 22, n/a-n/a.	3.0	96

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55	The Maintenance of the Last Great Ice Sheets: A UGAMP GCM Study. Journal of Climate, 1996, 9, 1004-1019.	1.2	95
56	The effect of ocean dynamics in a coupled GCM simulation of the Last Glacial Maximum. Climate Dynamics, 2003, 20, 203-218.	1.7	95
57	â€œSunshade Worldâ€: A fully coupled GCM evaluation of the climatic impacts of geoengineering. Geophysical Research Letters, 2008, 35, .	1.5	93
58	The early Eocene rise of the Gonjo Basin, SE Tibet: From low desert to high forest. Earth and Planetary Science Letters, 2020, 543, 116312.	1.8	91
59	Modeling the Impact of Land Surface Degradation on the Climate of Tropical North Africa. Journal of Climate, 2001, 14, 1809-1822.	1.2	90
60	Impact of CO₂ Doubling on the Asian Summer Monsoon. Journal of the Meteorological Society of Japan, 2000, 78, 421-439.	0.7	89
61	Leaf formâ€“climate relationships on the global stage: an ensemble of characters. Global Ecology and Biogeography, 2015, 24, 1113-1125.	2.7	87
62	A Middle Eocene lowland humid subtropical â€œShangri-Laâ€•ecosystem in central Tibet. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32989-32995.	3.3	87
63	Impact of the North American ice-sheet orography on the Last Glacial Maximum eddies and snowfall. Geophysical Research Letters, 2000, 27, 1515-1518.	1.5	86
64	Parameter estimation in an atmospheric GCM using the Ensemble Kalman Filter. Nonlinear Processes in Geophysics, 2005, 12, 363-371.	0.6	85
65	Introduction. Pliocene climate, processes and problems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 3-17.	1.6	85
66	Sensitivity Studies of Northern Hemisphere Glaciation Using an Atmospheric General Circulation Model. Journal of Climate, 1995, 8, 2471-2496.	1.2	84
67	The 8200yr BP cold event in stable isotope records from the North Atlantic region. Global and Planetary Change, 2011, 79, 288-302.	1.6	84
68	Transient climate simulations of the deglaciation 21â€“9Âthousand years before present (versionÂ1) â€“ PMIP4 Core experiment design and boundary conditions. Geoscientific Model Development, 2016, 9, 2563-2587.	1.3	84
69	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.	2.1	84
70	Modeling the dynamics of terrestrial carbon storage since the Last Glacial Maximum. Geophysical Research Letters, 2002, 29, 31-1-31-4.	1.5	83
71	Systematic optimisation and climate simulation of FAMOUS, a fast version of HadCM3. Climate Dynamics, 2005, 25, 189-204.	1.7	83
72	Comparison of mid-Pliocene climate predictions produced by the HadAM3 and GCMAM3 General Circulation Models. Global and Planetary Change, 2009, 66, 208-224.	1.6	83

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73	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, 565-582.	1.8	83
74	Linear Stationary Wave Simulations of the Time-Mean Climatological Flow. Journals of the Atmospheric Sciences, 1989, 46, 2509-2527.	0.6	82
75	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.	3.3	82
76	The rise and demise of the Paleogene Central Tibetan Valley. Science Advances, 2022, 8, eabj0944.	4.7	80
77	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.	1.4	79
78	A GCM Simulation of the Climate 6000 Years Ago. Journal of Climate, 1997, 10, 3-17.	1.2	78
79	Simulations of the Last Glacial Maximum climates using a general circulation model: prescribed versus computed sea surface temperatures. Climate Dynamics, 1998, 14, 571-591.	1.7	78
80	Cretaceous (Wealden) climates: a modelling perspective. Cretaceous Research, 2004, 25, 303-311.	0.6	76
81	Seaâ€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, .	3.0	75
82	A Palaeogene perspective on climate sensitivity and methane hydrate instability. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 2395-2415.	1.6	71
83	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.	1.3	71
84	Mid-Holocene NAO: A PMIP2 model intercomparison. Geophysical Research Letters, 2005, 32, .	1.5	69
85	The Late Cretaceous continental interior of Siberia: A challenge for climate models. Earth and Planetary Science Letters, 2008, 267, 228-235.	1.8	69
86	On the identification of a Pliocene time slice for dataâ€"model comparison. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120515.	1.6	69
87	Global patterns in the divergence between phylogenetic diversity and species richness in terrestrial birds. Journal of Biogeography, 2017, 44, 709-721.	1.4	68
88	Interhemispheric coupling, the West Antarctic Ice Sheet and warm Antarctic interglacials. Climate of the Past, 2010, 6, 431-443.	1.3	67
89	Spatio-temporal climate change contributes to latitudinal diversity gradients. Nature Ecology and Evolution, 2019, 3, 1419-1429.	3.4	67
90	Orographic evolution of northern Tibet shaped vegetation and plant diversity in eastern Asia. Science Advances, 2021, 7, .	4.7	66

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91	Characterizing GCM Land Surface Schemes to Understand Their Responses to Climate Change. Journal of Climate, 2000, 13, 3066-3079.	1.2	65
92	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.	3.3	65
93	Characterizing ice sheets during the Pliocene: evidence from data and models. , 0, , 517-538.		64
94	Geological evaluation of multiple general circulation model simulations of Late Jurassic palaeoclimate. Palaeogeography, Palaeoclimatology, Palaeoecology, 2000, 156, 147-160.	1.0	63
95	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.	3.3	63
96	Abrupt BÃ¸lling warming and ice saddle collapse contributions to the Meltwater Pulse 1a rapid sea level rise. Geophysical Research Letters, 2016, 43, 9130-9137.	1.5	62
97	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.	1.8	61
98	Investigating early hominin dispersal patterns: developing a framework for climate data integration. Journal of Human Evolution, 2007, 53, 465-474.	1.3	60
99	Antarctic isotopic thermometer during a CO₂ forced warming event. Journal of Geophysical Research, 2008, 113, .	3.3	60
100	Uncertainties in the modelled CO₂ threshold for Antarctic glaciation. Climate of the Past, 2014, 10, 451-466.	1.3	59
101	The climatic impact of supervolcanic ash blankets. Climate Dynamics, 2007, 29, 553-564.	1.7	58
102	A modelâ€“model and dataâ€“model comparison for the early Eocene hydrological cycle. Climate of the Past, 2016, 12, 455-481.	1.3	58
103	Nonlinear Orographically Forced Planetary Waves. Journals of the Atmospheric Sciences, 1991, 48, 2089-2106.	0.6	57
104	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.	1.6	57
105	Bathymetric controls on Pliocene North Atlantic and Arctic sea surface temperature and deepwater production. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 309, 92-97.	1.0	55
106	Paleogeographic controls on the onset of the Antarctic circumpolar current. Geophysical Research Letters, 2013, 40, 5199-5204.	1.5	55
107	Prediction of modern bauxite occurrence: implications for climate reconstruction. Palaeogeography, Palaeoclimatology, Palaeoecology, 1997, 131, 1-13.	1.0	54
108	Dust transport to Dome C, Antarctica, at the Last Glacial Maximum and present day. Geophysical Research Letters, 2001, 28, 295-298.	1.5	54

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109	Sea surface temperatures of the mid-Piacenzian Warm Period: A comparison of PRISM3 and HadCM3. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 309, 83-91.	1.0	54
110	A comparison of GCM simulated Cretaceous `greenhouse' and `icehouse' climates: implications for the sedimentary record. Palaeogeography, Palaeoclimatology, Palaeoecology, 1998, 142, 123-138.	1.0	53
111	Holocene variations in peatland methane cycling associated with the Asian summer monsoon system. Nature Communications, 2014, 5, 4631.	5.8	53
112	Mid-latitude continental temperatures through the early Eocene in western Europe. Earth and Planetary Science Letters, 2017, 460, 86-96.	1.8	49
113	Baroclinic Instability of the Zonally Averaged Flow with Boundary Layer Damping. Journals of the Atmospheric Sciences, 1988, 45, 1584-1593.	0.6	48
114	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.	1.7	48
115	Late Quaternary climate legacies in contemporary plant functional composition. Global Change Biology, 2018, 24, 4827-4840.	4.2	48
116	Vegetation cover in a warmer world simulated using a dynamic global vegetation model for the Mid-Pliocene. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 237, 412-427.	1.0	47
117	Nature of the Antarctic Peninsula Ice Sheet during the Pliocene: Geological evidence and modelling results compared. Earth-Science Reviews, 2009, 94, 79-94.	4.0	47
118	Organic matter distribution in the modern sediments of the Pearl River Estuary. Organic Geochemistry, 2012, 49, 68-82.	0.9	47
119	What can Palaeoclimate Modelling do for you?. Earth Systems and Environment, 2019, 3, 1-18.	3.0	47
120	Climate and carbon cycle response to the 1815 Tambora volcanic eruption. Journal of Geophysical Research D: Atmospheres, 2013, 118, 12,497.	1.2	46
121	Antarctic last interglacial isotope peak in response to sea ice retreat not ice-sheet collapse. Nature Communications, 2016, 7, 12293.	5.8	46
122	Weather regimes in past climate atmospheric general circulation model simulations. Climate Dynamics, 1999, 15, 773-793.	1.7	45
123	Climate envelope models suggest spatioâ€temporal coâ€occurrence of refugia of <scp>A</scp>frican birds and mammals. Global Ecology and Biogeography, 2013, 22, 351-363.	2.7	45
124	An oceanic origin for the increase of atmospheric radiocarbon during the Younger Dryas. Geophysical Research Letters, 2008, 35, .	1.5	44
125	Global vegetation patterns of the past 140,000 years. Journal of Biogeography, 2020, 47, 2073-2090.	1.4	44
126	Millennial Climatic Fluctuations Are Key to the Structure of Last Glacial Ecosystems. PLoS ONE, 2013, 8, e61963.	1.1	43

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127	Reconstructing paleosalinity from Î´18O: Coupled model simulations of the Last Glacial Maximum, Last Interglacial and Late Holocene. Quaternary Science Reviews, 2016, 131, 350-364.	1.4	43
128	Ocean dominated expansion and contraction of the late Quaternary tropical rainbelt. Scientific Reports, 2017, 7, 9382.	1.6	43
129	Terrestrial biosphere changes over the last 120â€¯kyr. Climate of the Past, 2016, 12, 51-73.	1.3	43
130	Magnitude of climate variability during middle Pliocene warmth: a palaeoclimate modelling study. Palaeogeography, Palaeoclimatology, Palaeoecology, 2002, 188, 1-24.	1.0	42
131	Lessons on Climate Sensitivity From Past Climate Changes. Current Climate Change Reports, 2016, 2, 148-158.	2.8	42
132	Dust deposition and provenance at the Last Glacial Maximum and present day. Geophysical Research Letters, 2002, 29, 42-1-42-4.	1.5	41
133	Deep ocean temperatures through time. Climate of the Past, 2021, 17, 1483-1506.	1.3	41
134	South American palaeoclimate model simulations: how reliable are the models?. Journal of Quaternary Science, 2000, 15, 357-368.	1.1	40
135	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.	1.5	39
136	Simulating idealized Dansgaard-Oeschger events and their potential impacts on the global methane cycle. Quaternary Science Reviews, 2011, 30, 3258-3268.	1.4	39
137	Collapse of the North American ice saddle 14,500â€‰years ago caused widespread cooling and reduced ocean overturning circulation. Geophysical Research Letters, 2017, 44, 383-392.	1.5	39
138	Multi vegetation model evaluation of the Green Sahara climate regime. Geophysical Research Letters, 2017, 44, 6804-6813.	1.5	39
139	Extinction intensity during Ordovician and Cenozoic glaciations explained by cooling and palaeogeography. Nature Geoscience, 2020, 13, 65-70.	5.4	39
140	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.	1.9	38
141	Understanding the glacial methane cycle. Nature Communications, 2017, 8, 14383.	5.8	37
142	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.	1.8	36
143	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.	1.5	36
144	Modelling global-scale climate impacts of the late Miocene Messinian Salinity Crisis. Climate of the Past, 2014, 10, 607-622.	1.3	36

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145	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.	1.7	35
146	Last glacial maximum radiative forcing from mineral dust aerosols in an Earth system model. Journal of Geophysical Research D: Atmospheres, 2015, 120, 8186-8205.	1.2	35
147	Modelling the Asian summer monsoon rainfall and Eurasian winter/spring snow mass. Quarterly Journal of the Royal Meteorological Society, 1998, 124, 2567-2596.	1.0	34
148	Modelling Late Oligocene C4 grasses and climate. Palaeogeography, Palaeoclimatology, Palaeoecology, 2007, 251, 239-253.	1.0	34
149	Optimal tuning of a GCM using modern and glacial constraints. Climate Dynamics, 2011, 37, 705-719.	1.7	34
150	Topography's crucial role in Heinrich Events. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16688-16693.	3.3	34
151	Full effects of land use change in the representative concentration pathways. Environmental Research Letters, 2014, 9, 114014.	2.2	34
152	A new constraint on the size of Heinrich Events from an iceberg/sediment model. Earth and Planetary Science Letters, 2014, 386, 1-9.	1.8	34
153	Can energy fluxes be used to interpret glacial/interglacial precipitation changes in the tropics?. Geophysical Research Letters, 2017, 44, 6373-6382.	1.5	34
154	Nonâ€random latitudinal gradients in range size and niche breadth predicted by spatial patterns of climate. Global Ecology and Biogeography, 2019, 28, 928-942.	2.7	34
155	Climate model predictions for the latest Cretaceous: An evaluation using climatically sensitive sediments as proxy indicators. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 315-316, 12-23.	1.0	33
156	Sensitivity of a coupled climate model to canopy interception capacity. Climate Dynamics, 2014, 42, 1715-1732.	1.7	33
157	Acceleration of Northern Ice Sheet Melt Induces AMOC Slowdown and Northern Cooling in Simulations of the Early Last Deglaciation. Paleoceanography and Paleoclimatology, 2018, 33, 807-824.	1.3	33
158	Out of Amazonia: Late-Holocene climate change and the Tupiâ€"Guarani trans-continental expansion. Holocene, 2017, 27, 967-975.	0.9	32
159	Global middle Pliocene biome reconstruction: A data/model synthesis. Geochemistry, Geophysics, Geosystems, 2002, 3, 1-18.	1.0	31
160	Modeling the 8.2ka event using a coupled atmosphereâ€"ocean GCM. Global and Planetary Change, 2011, 79, 312-321.	1.6	31
161	A simulated Northern Hemisphere terrestrial climate dataset for the past 60,000 years. Scientific Data, 2019, 6, 265.	2.4	31
162	Warm climates of the pastâ€"a lesson for the future?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20130146.	1.6	30

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163	Amplified plant turnover in response to climate change forecast by Late Quaternary records. Nature Climate Change, 2016, 6, 1115-1119.	8.1	30
164	Oligocene climate signals and forcings in Eurasia revealed by plant macrofossil and modelling results. Gondwana Research, 2018, 61, 115-127.	3.0	30
165	Comment on â€œRevised paleoaltimetry data show low Tibetan Plateau elevation during the Eoceneâ€. Science, 2019, 365, .	6.0	30
166	Evaluating the efficacy of planktonic foraminifer calcite Î´18O data for sea surface temperature reconstruction for the Late Miocene. Geobios, 2005, 38, 843-863.	0.7	29
167	The topographic evolution of the Tibetan Region as revealed by palaeontology. Palaeobiodiversity and Palaeoenvironments, 2021, 101, 213-243.	0.6	29
168	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.	1.3	28
169	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.	1.2	28
170	The relative contribution of orbital forcing and greenhouse gases to the North American deglaciation. Geophysical Research Letters, 2015, 42, 9970-9979.	1.5	28
171	Windâ€Driven Evolution of the North Pacific Subpolar Gyre Over the Last Deglaciation. Geophysical Research Letters, 2020, 47, e2019GL086328.	1.5	28
172	Antarctic climate during the middle Pliocene: model sensitivity to ice sheet variation. Palaeogeography, Palaeoclimatology, Palaeoecology, 2002, 182, 93-115.	1.0	27
173	The Midâ€Brunhes Event and West Antarctic ice sheet stability. Journal of Quaternary Science, 2011, 26, 474-477.	1.1	27
174	Ecosystem CO₂ starvation and terrestrial silicate weathering: mechanisms and globalâ€scale quantification during the late Miocene. Journal of Ecology, 2012, 100, 31-41.	1.9	27
175	First Nd isotope record of Mediterraneanâ€“Atlantic water exchange through the Moroccan Rifian Corridor during the Messinian Salinity Crisis. Earth and Planetary Science Letters, 2013, 368, 163-174.	1.8	27
176	Last glacial maximum constraints on the Earth System model HadGEM2-ES. Climate Dynamics, 2015, 45, 1657-1672.	1.7	27
177	Quantitative palaeoclimate GCM validation: Late Jurassic and mid-Cretaceous case studies. Journal of the Geological Society, 1997, 154, 769-772.	0.9	26
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