

Daniel J Lunt

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

199
papers

9,727
citations

59
h-index

92
g-index

251
ext. papers

11,634
ext. citations

7.9
avg, IF

6.24
L-index

#	Paper	IF	Citations
199	Past terrestrial hydroclimate sensitivity controlled by Earth system feedbacks.. <i>Nature Communications</i> , 2022 , 13, 1306	17.4	4
198	The Cenozoic history of palms: Global diversification, biogeography and the decline of megathermal forests. <i>Global Ecology and Biogeography</i> , 2022 , 31, 425-439	6.1	4
197	Simulation of Arctic sea ice within the DeepMIP Eocene ensemble: Thresholds, seasonality and factors controlling sea ice development. <i>Global and Planetary Change</i> , 2022 , 214, 103848	4.2	
196	Geological Society of London Scientific Statement: what the geological record tells us about our present and future climate. <i>Journal of the Geological Society</i> , 2021 , 178, jgs2020-239	2.7	4
195	Reduced El Niño variability in the mid-Pliocene according to the PlioMIP2 ensemble. <i>Climate of the Past</i> , 2021 , 17, 2427-2450	3.9	2
194	Data-constrained assessment of ocean circulation changes since the middle Miocene in an Earth system model. <i>Climate of the Past</i> , 2021 , 17, 2223-2254	3.9	2
193	Simulation of the mid-Pliocene Warm Period using HadGEM3: experimental design and results from model-model and model-data comparison. <i>Climate of the Past</i> , 2021 , 17, 2139-2163	3.9	3
192	Hydrological impact of Middle Miocene Antarctic ice-free areas coupled to deep ocean temperatures. <i>Nature Geoscience</i> , 2021 , 14, 429-436	18.3	8
191	Simulating Miocene Warmth: Insights From an Opportunistic Multi-Model Ensemble (MioMIP1). <i>Paleoceanography and Paleoclimatology</i> , 2021 , 36, e2020PA004054	3.3	12
190	Absolute seasonal temperature estimates from clumped isotopes in bivalve shells suggest warm and variable greenhouse climate. <i>Communications Earth & Environment</i> , 2021 , 2,	6.1	9
189	Multi-variate factorisation of numerical simulations. <i>Geoscientific Model Development</i> , 2021 , 14, 4307-4367	3.3	1
188	Climatic drivers of latitudinal variation in Late Triassic tetrapod diversity. <i>Palaeontology</i> , 2021 , 64, 101-117	11.7	12
187	The Miocene: The Future of the Past. <i>Paleoceanography and Paleoclimatology</i> , 2021 , 36, e2020PA004037	3.3	41
186	The Eocene-Oligocene transition: a review of marine and terrestrial proxy data, models and model-data comparisons. <i>Climate of the Past</i> , 2021 , 17, 269-315	3.9	26
185	DeepMIP: model intercomparison of early Eocene climatic optimum (EECO) large-scale climate features and comparison with proxy data. <i>Climate of the Past</i> , 2021 , 17, 203-227	3.9	26
184	Mid-Pliocene Atlantic Meridional Overturning Circulation simulated in PlioMIP2. <i>Climate of the Past</i> , 2021 , 17, 529-543	3.9	11
183	Deep ocean temperatures through time. <i>Climate of the Past</i> , 2021 , 17, 1483-1506	3.9	8

182	Mid-Pliocene West African Monsoon rainfall as simulated in the PlioMIP2 ensemble. <i>Climate of the Past</i> , 2021 , 17, 1777-1794	3.9	3
181	Eocene to Oligocene terrestrial Southern Hemisphere cooling caused by declining pCO ₂ . <i>Nature Geoscience</i> , 2021 , 14, 659-664	18.3	8
180	Impact of global cooling on Early Cretaceous high pCO world during the Weissert Event. <i>Nature Communications</i> , 2021 , 12, 5411	17.4	6
179	Orographic evolution of northern Tibet shaped vegetation and plant diversity in eastern Asia. <i>Science Advances</i> , 2021 , 7,	14.3	19
178	Evaluating the large-scale hydrological cycle response within the Pliocene Model Intercomparison Project Phase 2 (PlioMIP2) ensemble. <i>Climate of the Past</i> , 2021 , 17, 2537-2558	3.9	2
177	Past climates inform our future. <i>Science</i> , 2020 , 370,	33.3	70
176	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> , 2020 , 117, 17084-17093	11.5	48
175	The role of temperature in the initiation of the end-Triassic mass extinction. <i>Earth-Science Reviews</i> , 2020 , 208, 103266	10.2	2
174	Predicting sediment discharges and erosion rates in deep time examples from the late Cretaceous North American continent. <i>Basin Research</i> , 2020 , 32, 1547-1573	3.2	4
173	Qaidam Basin leaf fossils show northeastern Tibet was high, wet and cool in the early Oligocene. <i>Earth and Planetary Science Letters</i> , 2020 , 537, 116175	5.3	39
172	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> , 2020 , 16, 1429-1450	3.9	7
171	Global mean surface temperature and climate sensitivity of the early Eocene Climatic Optimum (EECO), Paleocene-Eocene Thermal Maximum (PETM), and latest Paleocene. <i>Climate of the Past</i> , 2020 , 16, 1953-1968	3.9	29
170	The Pliocene Model Intercomparison Project Phase 2: large-scale climate features and climate sensitivity. <i>Climate of the Past</i> , 2020 , 16, 2095-2123	3.9	39
169	Changes in the high-latitude Southern Hemisphere through the Eocene-Oligocene transition: a model-data comparison. <i>Climate of the Past</i> , 2020 , 16, 555-573	3.9	10
168	Unravelling the sources of carbon emissions at the onset of Oceanic Anoxic Event (OAE) 1a. <i>Earth and Planetary Science Letters</i> , 2020 , 530, 115947	5.3	13
167	Extinction intensity during Ordovician and Cenozoic glaciations explained by cooling and palaeogeography. <i>Nature Geoscience</i> , 2020 , 13, 65-70	18.3	15
166	Proxy evidence for state-dependence of climate sensitivity in the Eocene greenhouse. <i>Nature Communications</i> , 2020 , 11, 4436	17.4	22
165	A long-term, high-latitude record of Eocene hydrological change in the Greenland region. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020 , 537, 109378	2.9	2

164	The DeepMIP contribution to PMIP4: methodologies for selection, compilation and analysis of latest Paleocene and early Eocene climate proxy data, incorporating version 0.1 of the DeepMIP database. <i>Geoscientific Model Development</i> , 2019 , 12, 3149-3206	6.3	78
163	The DeepMIP contribution to PMIP4: methodologies for selection, compilation and analysis of latest Paleocene and early Eocene climate proxy data, incorporating version 0.1 of the DeepMIP database 2019 ,		2
162	Climatic shifts drove major contractions in avian latitudinal distributions throughout the Cenozoic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 12895-12900	11.5	28
161	Southern Hemisphere sea-surface temperatures during the Cenomanian-Turonian: Implications for the termination of Oceanic Anoxic Event 2. <i>Geology</i> , 2019 , 47, 131-134	5	17
160	Ecological niche modelling does not support climatically-driven dinosaur diversity decline before the Cretaceous/Paleogene mass extinction. <i>Nature Communications</i> , 2019 , 10, 1091	17.4	40
159	Widespread Warming Before and Elevated Barium Burial During the Paleocene-Eocene Thermal Maximum: Evidence for Methane Hydrate Release?. <i>Paleoceanography and Paleoclimatology</i> , 2019 , 34, 546-566	3.3	16
158	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> , 2019 , 181, 102991	4.2	12
157	Climate Sensitivity on Geological Timescales Controlled by Nonlinear Feedbacks and Ocean Circulation. <i>Geophysical Research Letters</i> , 2019 , 46, 9880-9889	4.9	59
156	Past East Asian monsoon evolution controlled by paleogeography, not CO ₂ . <i>Science Advances</i> , 2019 , 5, eaax1697	14.3	79
155	EVALUATING NORTHERN HIGH-LATITUDE PALEOCLIMATE MODEL RESULTS USING PALEOBOTANICAL EVIDENCE FROM THE MIDDLE CRETACEOUS 2019 , 119-133		1
154	Precessional Drivers of Late Miocene Mediterranean Sedimentary Sequences: African Summer Monsoon and Atlantic Winter Storm Tracks. <i>Paleoceanography and Paleoclimatology</i> , 2019 , 34, 1980-1994	4.3	9
153	Assessing Mechanisms and Uncertainty in Modeled Climatic Change at the Eocene-Oligocene Transition. <i>Paleoceanography and Paleoclimatology</i> , 2019 , 34, 16-34	3.3	11
152	Orbital, tectonic and oceanographic controls on Pliocene climate and atmospheric circulation in Arctic Norway. <i>Global and Planetary Change</i> , 2018 , 161, 183-193	4.2	4
151	Climate change and landscape development in post-closure safety assessment of solid radioactive waste disposal: Results of an initiative of the IAEA. <i>Journal of Environmental Radioactivity</i> , 2018 , 183, 41-53	2.4	4
150	High temperatures in the terrestrial mid-latitudes during the early Palaeogene. <i>Nature Geoscience</i> , 2018 , 11, 766-771	18.3	38
149	Pliocene and Eocene provide best analogs for near-future climates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 13288-13293	11.5	137
148	Placing our current 'hyperthermal' in the context of rapid climate change in our geological past. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018 , 376,	3	23
147	Changes in the occurrence of extreme precipitation events at the Paleocene-Eocene thermal maximum. <i>Earth and Planetary Science Letters</i> , 2018 , 501, 24-36	5.3	27

146	Oligocene climate signals and forcings in Eurasia revealed by plant macrofossil and modelling results. <i>Gondwana Research</i> , 2018 , 61, 115-127	5.1	21
145	The PMIP4 contribution to CMIP6 [Part 1: Overview and over-arching analysis plan. <i>Geoscientific Model Development</i> , 2018 , 11, 1033-1057	6.3	106
144	Palaeoclimate constraints on the impact of 2 °C anthropogenic warming and beyond. <i>Nature Geoscience</i> , 2018 , 11, 474-485	18.3	115
143	Mid-latitude continental temperatures through the early Eocene in western Europe. <i>Earth and Planetary Science Letters</i> , 2017 , 460, 86-96	5.3	41
142	Precession driven changes in terrestrial organic matter input to the Eastern Mediterranean leading up to the Messinian Salinity Crisis. <i>Earth and Planetary Science Letters</i> , 2017 , 462, 199-211	5.3	16
141	Global warming and ocean stratification: A potential result of large extraterrestrial impacts. <i>Geophysical Research Letters</i> , 2017 , 44, 3841-3848	4.9	8
140	Quantifying the Mediterranean freshwater budget throughout the late Miocene: New implications for sapropel formation and the Messinian Salinity Crisis. <i>Earth and Planetary Science Letters</i> , 2017 , 472, 25-37	5.3	26
139	Future climate forcing potentially without precedent in the last 420 million years. <i>Nature Communications</i> , 2017 , 8, 14845	17.4	290
138	The DeepMIP contribution to PMIP4: experimental design for model simulations of the EECO, PETM, and pre-PETM (version 1.0). <i>Geoscientific Model Development</i> , 2017 , 10, 889-901	6.3	62
137	The PMIP4 contribution to CMIP6 [Part 2: Two interglacials, scientific objective and experimental design for Holocene and Last Interglacial simulations. <i>Geoscientific Model Development</i> , 2017 , 10, 3979-4003	6.3	92
136	The PMIP4 contribution to CMIP6 [Part 4: Scientific objectives and experimental design of the PMIP4-CMIP6 Last Glacial Maximum experiments and PMIP4 sensitivity experiments 2017 ,		1
135	Sensitivity of the Greenland Ice Sheet to Interglacial Climate Forcing: MIS 5e Versus MIS 11. <i>Paleoceanography</i> , 2017 , 32, 1089-1101		6
134	Cretaceous sea-surface temperature evolution: Constraints from TEX 86 and planktonic foraminiferal oxygen isotopes. <i>Earth-Science Reviews</i> , 2017 , 172, 224-247	10.2	221
133	Hydrological and associated biogeochemical consequences of rapid global warming during the Paleocene-Eocene Thermal Maximum. <i>Global and Planetary Change</i> , 2017 , 157, 114-138	4.2	75
132	Early Jurassic North Atlantic sea-surface temperatures from TEX86 palaeothermometry. <i>Sedimentology</i> , 2017 , 64, 215-230	3.3	17
131	The PMIP4 contribution to CMIP6 [Part 4: Scientific objectives and experimental design of the PMIP4-CMIP6 Last Glacial Maximum experiments and PMIP4 sensitivity experiments. <i>Geoscientific Model Development</i> , 2017 , 10, 4035-4055	6.3	98
130	The BRIDGE HadCM3 family of climate models: HadCM3@Bristol v1.0. <i>Geoscientific Model Development</i> , 2017 , 10, 3715-3743	6.3	106
129	Emulation of long-term changes in global climate: application to the late Pliocene and future. <i>Climate of the Past</i> , 2017 , 13, 1539-1571	3.9	11

128	Hadley circulation and precipitation changes controlling black shale deposition in the Late Jurassic Boreal Seaway. <i>Paleoceanography</i> , 2016 , 31, 1041-1053		27
127	An impulse response function for the long tail of excess atmospheric CO ₂ in an Earth system model. <i>Global Biogeochemical Cycles</i> , 2016 , 30, 2-17	5.9	38
126	Mediterranean outflow pump: An alternative mechanism for the Lago-mare and the end of the Messinian Salinity Crisis. <i>Geology</i> , 2016 , 44, 523-526	5	39
125	CLIMATE. How Antarctica got its ice. <i>Science</i> , 2016 , 352, 34-5	33.3	11
124	The PMIP4 contribution to CMIP6 [Part 2: Two Interglacials, Scientific Objective and Experimental Design for Holocene and Last Interglacial Simulations 2016 ,		7
123	A model-model and data-model comparison for the early Eocene hydrological cycle. <i>Climate of the Past</i> , 2016 , 12, 455-481	3.9	40
122	Palaeogeographic controls on climate and proxy interpretation. <i>Climate of the Past</i> , 2016 , 12, 1181-1198	3.9	93
121	The Pliocene Model Intercomparison Project (PlioMIP) Phase 2: scientific objectives and experimental design. <i>Climate of the Past</i> , 2016 , 12, 663-675	3.9	90
120	Impact of meltwater on high-latitude early Last Interglacial climate. <i>Climate of the Past</i> , 2016 , 12, 1919-1932	3.9	18
119	The impact of Cenozoic cooling on assemblage diversity in planktonic foraminifera. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016 , 371, 20150224	5.8	26
118	Changing atmospheric CO ₂ concentration was the primary driver of early Cenozoic climate. <i>Nature</i> , 2016 , 533, 380-4	50.4	243
117	The cause of Late Cretaceous cooling: A multimodel-proxy comparison. <i>Geology</i> , 2016 , 44, 963-966	5	36
116	Atmospheric and oceanic impacts of Antarctic glaciation across the Eocene-Oligocene transition. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015 , 373,	3	25
115	Evolution of the Late Miocene Mediterranean-Atlantic gateways and their impact on regional and global environmental change. <i>Earth-Science Reviews</i> , 2015 , 150, 365-392	10.2	136
114	Disentangling the roles of late Miocene palaeogeography and vegetation [Implications for climate sensitivity. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015 , 417, 17-34	2.9	17
113	Descent toward the Icehouse: Eocene sea surface cooling inferred from GDGT distributions. <i>Paleoceanography</i> , 2015 , 30, 1000-1020		95
112	Changes in benthic ecosystems and ocean circulation in the Southeast Atlantic across Eocene Thermal Maximum 2. <i>Paleoceanography</i> , 2015 , 30, 1059-1077		22
111	The 'long tail' of anthropogenic CO ₂ decline in the atmosphere and its consequences for post-closure performance assessments for disposal of radioactive wastes. <i>Mineralogical Magazine</i> , 2015 , 79, 1613-1623	1.7	5

110	Neogene ice volume and ocean temperatures: Insights from infaunal foraminiferal Mg/Ca paleothermometry. <i>Paleoceanography</i> , 2015 , 30, 1437-1454		73
109	Orbital control on late Miocene climate and the North African monsoon: insight from an ensemble of sub-precessional simulations. <i>Climate of the Past</i> , 2015 , 11, 1271-1295	3.9	34
108	Using results from the PlioMIP ensemble to investigate the Greenland Ice Sheet during the mid-Pliocene Warm Period. <i>Climate of the Past</i> , 2015 , 11, 403-424	3.9	29
107	Plio-Pleistocene climate sensitivity evaluated using high-resolution CO ₂ records. <i>Nature</i> , 2015 , 518, 49-54	5.4	219
106	Ice sheet model dependency of the simulated Greenland Ice Sheet in the mid-Pliocene. <i>Climate of the Past</i> , 2015 , 11, 369-381	3.9	29
105	Palaeoclimate science: Causes and effects of Antarctic ice. <i>Nature</i> , 2014 , 511, 536-7	5.4	
104	Temperature trends during the Present and Last Interglacial periods: a multi-model-data comparison. <i>Quaternary Science Reviews</i> , 2014 , 99, 224-243	3.9	42
103	Key factors governing uncertainty in the response to sunshade geoengineering from a comparison of the GeoMIP ensemble and a perturbed parameter ensemble. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 7946-7962	4.4	9
102	Uncertainties in the modelled CO ₂ threshold for Antarctic glaciation. <i>Climate of the Past</i> , 2014 , 10, 451-466	3.9	50
101	Investigating vegetation-climate feedbacks during the early Eocene. <i>Climate of the Past</i> , 2014 , 10, 419-436	3.9	31
100	Evaluating the dominant components of warming in Pliocene climate simulations. <i>Climate of the Past</i> , 2014 , 10, 79-90	3.9	47
99	Climate model response from the Geoengineering Model Intercomparison Project (GeoMIP). <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 8320-8332	4.4	195
98	Climate model and proxy data constraints on ocean warming across the Paleocene-Eocene Thermal Maximum. <i>Earth-Science Reviews</i> , 2013 , 125, 123-145	10.2	170
97	The role of vegetation feedbacks on Greenland glaciation. <i>Climate Dynamics</i> , 2013 , 40, 2671-2686	4.2	12
96	Paleogeographic controls on the onset of the Antarctic circumpolar current. <i>Geophysical Research Letters</i> , 2013 , 40, 5199-5204	4.9	40
95	Challenges in quantifying Pliocene terrestrial warming revealed by data-model discord. <i>Nature Climate Change</i> , 2013 , 3, 969-974	21.4	110
94	Warm climates of the past--a lesson for the future?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013 , 371, 20130146	3	21
93	An efficient method to generate a perturbed parameter ensemble of a fully coupled AOGCM without flux-adjustment. <i>Geoscientific Model Development</i> , 2013 , 6, 1447-1462	6.3	14

92	Sea surface temperature of the mid-Piacenzian ocean: a data-model comparison. <i>Scientific Reports</i> , 2013 , 3, 2013	4.9	108
91	On the identification of a Pliocene time slice for data-model comparison. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013 , 371, 20120515	3	58
90	How warm was the last interglacial? New model-data comparisons. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013 , 371, 20130097	3	96
89	Large-scale features of Pliocene climate: results from the Pliocene Model Intercomparison Project. <i>Climate of the Past</i> , 2013 , 9, 191-209	3.9	237
88	Last interglacial temperature evolution & model inter-comparison. <i>Climate of the Past</i> , 2013 , 9, 605-619	3.9	72
87	A multi-model assessment of last interglacial temperatures. <i>Climate of the Past</i> , 2013 , 9, 699-717	3.9	120
86	Mid-pliocene Atlantic Meridional Overturning Circulation not unlike modern. <i>Climate of the Past</i> , 2013 , 9, 1495-1504	3.9	48
85	Quantification of the Greenland ice sheet contribution to Last Interglacial sea level rise. <i>Climate of the Past</i> , 2013 , 9, 621-639	3.9	74
84	Sunshades for Solar Radiation Management 2013 , 9-20		1
83	Exploring uncertainties in the relationship between temperature, ice volume, and sea level over the past 50 million years. <i>Reviews of Geophysics</i> , 2012 , 50,	23.1	30
82	Assessing confidence in Pliocene sea surface temperatures to evaluate predictive models. <i>Nature Climate Change</i> , 2012 , 2, 365-371	21.4	144
81	Fire and fire-adapted vegetation promoted C4 expansion in the late Miocene. <i>New Phytologist</i> , 2012 , 195, 653-666	9.8	105
80	Changes in equatorial Pacific thermocline depth in response to Panamanian seaway closure: Insights from a multi-model study. <i>Earth and Planetary Science Letters</i> , 2012 , 317-318, 76-84	5.3	53
79	On the causes of mid-Pliocene warmth and polar amplification. <i>Earth and Planetary Science Letters</i> , 2012 , 321-322, 128-138	5.3	86
78	Making sense of palaeoclimate sensitivity. <i>Nature</i> , 2012 , 491, 683-91	50.4	208
77	Methane Hydrate Instability: A View from the Palaeogene 2012 , 278-304		
76	A model&data comparison for a multi-model ensemble of early Eocene atmosphere&ocean simulations: EoMIP. <i>Climate of the Past</i> , 2012 , 8, 1717-1736	3.9	160
75	The relative roles of CO ₂ and palaeogeography in determining late Miocene climate: results from a terrestrial model&data comparison. <i>Climate of the Past</i> , 2012 , 8, 1257-1285	3.9	33

74	Corrigendum to "The relative roles of CO ₂ and palaeogeography in determining late Miocene climate: results from a terrestrial model-data comparison" published in <i>Clim. Past</i> , 8, 1257–1285, 2012. <i>Climate of the Past</i> , 2012 , 8, 1301-1307	3.9	2
73	Ecosystem CO ₂ starvation and terrestrial silicate weathering: mechanisms and global-scale quantification during the late Miocene. <i>Journal of Ecology</i> , 2012 , 100, 31-41	6	20
72	Mid-Pliocene climate modelled using the UK Hadley Centre Model: PlioMIP Experiments 1 and 2. <i>Geoscientific Model Development</i> , 2012 , 5, 1109-1125	6.3	52
71	Mid-Pliocene climate modelled using the UK Hadley Centre Model: PlioMIP Experiments 1 and 2 2012 ,		3
70	Climatic effects of surface albedo geoengineering. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		47
69	A Tortonian (Late Miocene, 11.61–11.25Ma) global vegetation reconstruction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011 , 300, 29-45	2.9	121
68	Sea surface temperatures of the mid-Piacenzian Warm Period: A comparison of PRISM3 and HadCM3. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011 , 309, 83-91	2.9	49
67	Sensitivity of Pliocene ice sheets to orbital forcing. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011 , 309, 98-110	2.9	91
66	Pliocene climate variability: Northern Annular Mode in models and tree-ring data. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011 , 309, 118-127	2.9	17
65	Quantifying Uncertainty in Model Predictions for the Pliocene (Plio-QUMP): Initial results. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011 , 309, 128-140	2.9	15
64	Pliocene Model Intercomparison Project (PlioMIP): experimental design and boundary conditions (Experiment 2). <i>Geoscientific Model Development</i> , 2011 , 4, 571-577	6.3	134
63	Are there pre-Quaternary geological analogues for a future greenhouse warming?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011 , 369, 933-56	3	82
62	A model for orbital pacing of methane hydrate destabilization during the Palaeogene. <i>Nature Geoscience</i> , 2011 , 4, 775-778	18.3	92
61	A new dust cycle model with dynamic vegetation: LPJ-dust version 1.0. <i>Geoscientific Model Development</i> , 2011 , 4, 85-105	6.3	8
60	Computer code: a model journal. <i>Nature</i> , 2010 , 468, 37	50.4	
59	Earth system sensitivity inferred from Pliocene modelling and data. <i>Nature Geoscience</i> , 2010 , 3, 60-64	18.3	199
58	Pliocene Model Intercomparison Project (PlioMIP): experimental design and boundary conditions (Experiment 1). <i>Geoscientific Model Development</i> , 2010 , 3, 227-242	6.3	144
57	Mountain uplift and the glaciation of North America – a sensitivity study. <i>Climate of the Past</i> , 2010 , 6, 707-717	3.9	25

56	CO ₂ -driven ocean circulation changes as an amplifier of Paleocene-Eocene thermal maximum hydrate destabilization. <i>Geology</i> , 2010 , 38, 875-878	5	91
55	Investigating the sensitivity of numerical model simulations of the modern state of the Greenland ice-sheet and its future response to climate change. <i>Cryosphere</i> , 2010 , 4, 397-417	5.5	80
54	The impacts of Tibetan uplift on palaeoclimate proxies. <i>Geological Society Special Publication</i> , 2010 , 342, 279-291	1.7	18
53	Assessing the regional disparities in geoengineering impacts. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	59
52	A Palaeogene perspective on climate sensitivity and methane hydrate instability. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010 , 368, 2395-415	3	60
51	Assessment of soil moisture fields from imperfect climate models with uncertain satellite observations. <i>Hydrology and Earth System Sciences</i> , 2009 , 13, 1545-1553	5.5	20
50	Introduction. Pliocene climate, processes and problems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009 , 367, 3-17	3	77
49	The fate of the Greenland Ice Sheet in a geoengineered, high CO ₂ world. <i>Environmental Research Letters</i> , 2009 , 4, 045109	6.2	33
48	The past is a guide to the future? Comparing Middle Pliocene vegetation with predicted biome distributions for the twenty-first century. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009 , 367, 189-204	3	72
47	Nature of the Antarctic Peninsula Ice Sheet during the Pliocene: Geological evidence and modelling results compared. <i>Earth-Science Reviews</i> , 2009 , 94, 79-94	10.2	42
46	Comparison of mid-Pliocene climate predictions produced by the HadAM3 and GCMAM3 General Circulation Models. <i>Global and Planetary Change</i> , 2009 , 66, 208-224	4.2	72
45	Pliocene climate and seasonality in North Atlantic shelf seas. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009 , 367, 85-108	3	48
44	El Niño-Southern Oscillation, Pliocene climate and equifinality. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009 , 367, 127-56	3	42
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23	DeepMIP: Model intercomparison of early Eocene climatic optimum (EECO) large-scale climate features and comparison with proxy data		5
22	Impact of melt water on high latitude early Last Interglacial climate		2
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- 2 Using results from the PlioMIP ensemble to investigate the Greenland Ice Sheet during the warm Pliocene 2
- 1 Simulating Miocene warmth: insights from an opportunistic Multi-Model ensemble (MioMIP1) 3