Daniel J Lunt

List of Publications by Year
in descending order

178 papers	13,478 citations	17440 63 h-index	28297 105 g-index
251 all docs	251 docs citations	251 times ranked	9649 citing authors

#	Article	IF	Citations
1	Early Eocene Ocean Meridional Overturning Circulation: The Roles of Atmospheric Forcing and Strait Geometry. Paleoceanography and Paleoclimatology, 2022, 37, .	2.9	11
2	Past terrestrial hydroclimate sensitivity controlled by Earth system feedbacks. Nature Communications, 2022, 13, 1306.	12.8	28
3	The Cenozoic history of palms: Global diversification, biogeography and the decline of megathermal forests. Global Ecology and Biogeography, 2022, 31, 425-439.	5.8	16
4	Plant Proxy Evidence for High Rainfall and Productivity in the Eocene of Australia. Paleoceanography and Paleoclimatology, 2022, 37, .	2.9	7
5	African Hydroclimate During the Early Eocene From the DeepMIP Simulations. Paleoceanography and Paleoclimatology, 2022, 37, .	2.9	3
6	Simulation of Arctic sea ice within the DeepMIP Eocene ensemble: Thresholds, seasonality and factors controlling sea ice development. Global and Planetary Change, 2022, 214, 103848.	3.5	1
7	Climatic and tectonic drivers shaped the tropical distribution of coral reefs. Nature Communications, 2022, 13, .	12.8	11
8	Climatic drivers of latitudinal variation in Late Triassic tetrapod diversity. Palaeontology, 2021, 64, 101-117.	2.2	31
9	The Miocene: The Future of the Past. Paleoceanography and Paleoclimatology, 2021, 36, e2020PA004037.	2.9	166
10	The Eoceneâ€“Oligocene transition: a review of marine and terrestrial proxy data, models and modelâ€“data comparisons. Climate of the Past, 2021, 17, 269-315.	3.4	90
11	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.	3.4	71
12	Mid-Pliocene Atlantic Meridional Overturning Circulation simulated in PlioMIP2. Climate of the Past, 2021, 17, 529-543.	3.4	20
13	A multimodel investigation of atmospheric mechanisms for driving Arctic amplification in warmer climates. Journal of Climate, 2021, , 1-55.	3.2	2
14	Hydrological impact of Middle Miocene Antarctic ice-free areas coupled to deep ocean temperatures. Nature Geoscience, 2021, 14, 429-436.	12.9	16
15	Simulating Miocene Warmth: Insights From an Opportunistic Multiâ€Model Ensemble (MioMIP1). Paleoceanography and Paleoclimatology, 2021, 36, e2020PA004054.	2.9	52
16	Absolute seasonal temperature estimates from clumped isotopes in bivalve shells suggest warm and variable greenhouse climate. Communications Earth & Environment, 2021, 2, .	6.8	22
17	Multi-variate factorisation of numerical simulations. Geoscientific Model Development, 2021, 14, 4307-4317.	3.6	5
18	Deep ocean temperatures through time. Climate of the Past, 2021, 17, 1483-1506.	3.4	41

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19	Mid-Pliocene West African Monsoon rainfall as simulated in the PlioMIP2 ensemble. Climate of the Past, 2021, 17, 1777-1794.	3.4	10
20	Eocene to Oligocene terrestrial Southern Hemisphere cooling caused by declining pCO2. Nature Geoscience, 2021, 14, 659-664.	12.9	22
21	Impact of global cooling on Early Cretaceous high pCO2 world during the Weissert Event. Nature Communications, 2021, 12, 5411.	12.8	32
22	Orographic evolution of northern Tibet shaped vegetation and plant diversity in eastern Asia. Science Advances, 2021, 7, .	10.3	66
23	Geological Society of London Scientific Statement: what the geological record tells us about our present and future climate. Journal of the Geological Society, 2021, 178, .	2.1	12
24	Data-constrained assessment of ocean circulation changes since the middle Miocene in an Earth system model. Climate of the Past, 2021, 17, 2223-2254.	3.4	7
25	Simulation of the mid-Pliocene Warm Period using HadGEM3: experimental design and results from modelâ€"model and modelâ€"data comparison. Climate of the Past, 2021, 17, 2139-2163.	3.4	15
26	Reduced El NiÃ±o variability in the mid-Pliocene according to the PlioMIP2 ensemble. Climate of the Past, 2021, 17, 2427-2450.	3.4	10
27	Evaluating the large-scale hydrological cycle response within the Pliocene Model Intercomparison Project Phase 2 (PlioMIP2) ensemble. Climate of the Past, 2021, 17, 2537-2558.	3.4	21
28	A long-term, high-latitude record of Eocene hydrological change in the Greenland region. Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 537, 109378.	2.3	8
29	Unravelling the sources of carbon emissions at the onset of Oceanic Anoxic Event (OAE) 1a. Earth and Planetary Science Letters, 2020, 530, 115947.	4.4	30
30	Extinction intensity during Ordovician and Cenozoic glaciations explained by cooling and palaeogeography. Nature Geoscience, 2020, 13, 65-70.	12.9	39
31	Proxy evidence for state-dependence of climate sensitivity in the Eocene greenhouse. Nature Communications, 2020, 11, 4436.	12.8	57
32	Past climates inform our future. Science, 2020, 370, .	12.6	253
33	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.	7.1	116
34	The role of temperature in the initiation of the end-Triassic mass extinction. Earth-Science Reviews, 2020, 208, 103266.	9.1	9
35	Predicting sediment discharges and erosion rates in deep timeâ€"examples from the late Cretaceous North American continent. Basin Research, 2020, 32, 1547-1573.	2.7	12
36	Qaidam Basin leaf fossils show northeastern Tibet was high, wet and cool in the early Oligocene. Earth and Planetary Science Letters, 2020, 537, 116175.	4.4	80

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37	CMIP6/PMIP4 simulations of the mid-Holocene and Last Interglacial using HadGEM3: comparison to the pre-industrial era, previous model versions and proxy data. Climate of the Past, 2020, 16, 1429-1450.	3.4	19
38	Global mean surface temperature and climate sensitivity of the early Eocene Climatic Optimum (EECO), Paleoceneâ€“Eocene Thermal Maximum (PETM), and latest Paleocene. Climate of the Past, 2020, 16, 1953-1968.	3.4	71
39	The Pliocene Model Intercomparison Project Phase 2: large-scale climate features and climate sensitivity. Climate of the Past, 2020, 16, 2095-2123.	3.4	93
40	Changes in the high-latitude Southern Hemisphere through the Eoceneâ€“Oligocene transition: a modelâ€“data comparison. Climate of the Past, 2020, 16, 555-573.	3.4	18
41	Terrestrial environmental change across the onset of the PETM and the associated impact on biomarker proxies: A cautionary tale. Global and Planetary Change, 2019, 181, 102991.	3.5	21
42	Climate Sensitivity on Geological Timescales Controlled by Nonlinear Feedbacks and Ocean Circulation. Geophysical Research Letters, 2019, 46, 9880-9889.	4.0	90
43	Past East Asian monsoon evolution controlled by paleogeography, not CO ₂. Science Advances, 2019, 5, eaax1697.	10.3	192
44	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. Geoscientific Model Development, 2019, 12, 3149-3206.	3.6	131
45	Climatic shifts drove major contractions in avian latitudinal distributions throughout the Cenozoic. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12895-12900.	7.1	55
46	Southern Hemisphere sea-surface temperatures during the Cenomanianâ€“Turonian: Implications for the termination of Oceanic Anoxic Event 2. Geology, 2019, 47, 131-134.	4.4	32
47	Ecological niche modelling does not support climatically-driven dinosaur diversity decline before the Cretaceous/Paleogene mass extinction. Nature Communications, 2019, 10, 1091.	12.8	60
48	Widespread Warming Before and Elevated Barium Burial During the Paleoceneâ€Eocene Thermal Maximum: Evidence for Methane Hydrate Release?. Paleoceanography and Paleoclimatology, 2019, 34, 546-566.	2.9	33
49	Precessional Drivers of Late Miocene Mediterranean Sedimentary Sequences: African Summer Monsoon and Atlantic Winter Storm Tracks. Paleoceanography and Paleoclimatology, 2019, 34, 1980-1994.	2.9	10
50	Assessing Mechanisms and Uncertainty in Modeled Climatic Change at the Eoceneâ€Oligocene Transition. Paleoceanography and Paleoclimatology, 2019, 34, 16-34.	2.9	14
51	EVALUATING NORTHERN HIGH-LATITUDE PALEOCLIMATE MODEL RESULTS USING PALEOBOTANICAL EVIDENCE FROM THE MIDDLE CRETACEOUS. , 2019, , 119-133.		1
52	Orbital, tectonic and oceanographic controls on Pliocene climate and atmospheric circulation in Arctic Norway. Global and Planetary Change, 2018, 161, 183-193.	3.5	7
53	Climate change and landscape development in post-closure safety assessment of solid radioactive waste disposal: Results of an initiative of the IAEA. Journal of Environmental Radioactivity, 2018, 183, 41-53.	1.7	9
54	Pliocene and Eocene provide best analogs for near-future climates. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 13288-13293.	7.1	271

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55	Placing our current â€˜hyperthermalâ€™ in the context of rapid climate change in our geological past. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170086.	3.4	44
56	Changes in the occurrence of extreme precipitation events at the Paleoceneâ€“Eocene thermal maximum. Earth and Planetary Science Letters, 2018, 501, 24-36.	4.4	49
57	Oligocene climate signals and forcings in Eurasia revealed by plant macrofossil and modelling results. Gondwana Research, 2018, 61, 115-127.	6.0	30
58	The PMIP4 contribution to CMIP6 â€“ Part 1: Overview and over-arching analysis plan. Geoscientific Model Development, 2018, 11, 1033-1057.	3.6	164
59	Palaeoclimate constraints on the impact of 2 Â°C anthropogenic warming and beyond. Nature Geoscience, 2018, 11, 474-485.	12.9	166
60	High temperatures in the terrestrial mid-latitudes during the early Palaeogene. Nature Geoscience, 2018, 11, 766-771.	12.9	67
61	Mid-latitude continental temperatures through the early Eocene in western Europe. Earth and Planetary Science Letters, 2017, 460, 86-96.	4.4	49
62	Precession driven changes in terrestrial organic matter input to the Eastern Mediterranean leading up to the Messinian Salinity Crisis. Earth and Planetary Science Letters, 2017, 462, 199-211.	4.4	22
63	Global warming and ocean stratification: A potential result of large extraterrestrial impacts. Geophysical Research Letters, 2017, 44, 3841-3848.	4.0	8
64	Quantifying the Mediterranean freshwater budget throughout the late Miocene: New implications for sapropel formation and the Messinian Salinity Crisis. Earth and Planetary Science Letters, 2017, 472, 25-37.	4.4	32
65	Future climate forcing potentially without precedent in the last 420 million years. Nature Communications, 2017, 8, 14845.	12.8	473
66	Sensitivity of the Greenland Ice Sheet to Interglacial Climate Forcing: MIS 5e Versus MIS 11. Paleoceanography, 2017, 32, 1089-1101.	3.0	9
67	Cretaceous sea-surface temperature evolution: Constraints from TEX86 and planktonic foraminiferal oxygen isotopes. Earth-Science Reviews, 2017, 172, 224-247.	9.1	358
68	Hydrological and associated biogeochemical consequences of rapid global warming during the Paleocene-Eocene Thermal Maximum. Global and Planetary Change, 2017, 157, 114-138.	3.5	119
69	Early Jurassic North Atlantic seaâ€surface temperatures from <scp>TEX</scp>₈₆ palaeothermometry. Sedimentology, 2017, 64, 215-230.	3.1	31
70	The PMIP4 contribution to CMIP6 â€“ Part 4: Scientific objectives and experimental design of the PMIP4-CMIP6 Last Glacial Maximum experiments and PMIP4 sensitivity experiments. Geoscientific Model Development, 2017, 10, 4035-4055.	3.6	137
71	The BRIDGE HadCM3 family of climate models: HadCM3@BristolÂv1.0. Geoscientific Model Development, 2017, 10, 3715-3743.	3.6	188
72	Emulation of long-term changes in global climate: application to the late Pliocene and future. Climate of the Past, 2017, 13, 1539-1571.	3.4	14

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73	The DeepMIP contribution to PMIP4: experimental design for model simulations of the EECO, PETM, and pre-PETM (version 1.0). Geoscientific Model Development, 2017, 10, 889-901.	3.6	90
74	The PMIP4 contribution to CMIP6 â€“ Part 2: Two interglacials, scientific objective and experimental design for Holocene and Last Interglacial simulations. Geoscientific Model Development, 2017, 10, 3979-4003.	3.6	171
75	A modelâ€“model and dataâ€“model comparison for the early Eocene hydrological cycle. Climate of the Past, 2016, 12, 455-481.	3.4	58
76	Palaeogeographic controls on climate and proxy interpretation. Climate of the Past, 2016, 12, 1181-1198.	3.4	121
77	The Pliocene Model Intercomparison Project (PlioMIP) Phase 2: scientific objectives and experimental design. Climate of the Past, 2016, 12, 663-675.	3.4	119
78	Impact of meltwater on high-latitude early Last Interglacial climate. Climate of the Past, 2016, 12, 1919-1932.	3.4	22
79	The impact of Cenozoic cooling on assemblage diversity in planktonic foraminifera. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150224.	4.0	34
80	Changing atmospheric CO2 concentration was the primary driver of early Cenozoic climate. Nature, 2016, 533, 380-384.	27.8	327
81	The cause of Late Cretaceous cooling: A multimodel-proxy comparison. Geology, 2016, 44, 963-966.	4.4	48
82	Hadley circulation and precipitation changes controlling black shale deposition in the Late Jurassic Boreal Seaway. Paleoceanography, 2016, 31, 1041-1053.	3.0	37
83	An impulse response function for the â€œlong tailâ€•of excess atmospheric CO₂ in an Earth system model. Global Biogeochemical Cycles, 2016, 30, 2-17.	4.9	54
84	Mediterranean outflow pump: An alternative mechanism for the Lago-mare and the end of the Messinian Salinity Crisis. Geology, 2016, 44, 523-526.	4.4	48
85	How Antarctica got its ice. Science, 2016, 352, 34-35.	12.6	12
86	Descent toward the Icehouse: Eocene sea surface cooling inferred from GDGT distributions. Paleoceanography, 2015, 30, 1000-1020.	3.0	129
87	Changes in benthic ecosystems and ocean circulation in the Southeast Atlantic across Eocene Thermal Maximum 2. Paleoceanography, 2015, 30, 1059-1077.	3.0	27
88	The 'long tail' of anthropogenic CO2 decline in the atmosphere and its consequences for post-closure performance assessments for disposal of radioactive wastes. Mineralogical Magazine, 2015, 79, 1613-1623.	1.4	7
89	Neogene ice volume and ocean temperatures: Insights from infaunal foraminiferal Mg/Ca paleothermometry. Paleoceanography, 2015, 30, 1437-1454.	3.0	96
90	Orbital control on late Miocene climate and the North African monsoon: insight from an ensemble of sub-precessional simulations. Climate of the Past, 2015, 11, 1271-1295.	3.4	40

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91	Using results from the PlioMIP ensemble to investigate the Greenland Ice Sheet during the mid-Pliocene Warm Period. Climate of the Past, 2015, 11, 403-424.	3.4	35
92	Plio-Pleistocene climate sensitivity evaluated using high-resolution CO2 records. Nature, 2015, 518, 49-54.	27.8	287
93	Atmospheric and oceanic impacts of Antarctic glaciation across the Eoceneâ€“Oligocene transition. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140419.	3.4	33
94	Evolution of the Late Miocene Mediterraneanâ€“Atlantic gateways and their impact on regional and global environmental change. Earth-Science Reviews, 2015, 150, 365-392.	9.1	171
95	Disentangling the roles of late Miocene palaeogeography and vegetation â€" Implications for climate sensitivity. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 417, 17-34.	2.3	23
96	Ice sheet model dependency of the simulated Greenland Ice Sheet in the mid-Pliocene. Climate of the Past, 2015, 11, 369-381.	3.4	38
97	Key factors governing uncertainty in the response to sunshade geoengineering from a comparison of the GeoMIP ensemble and a perturbed parameter ensemble. Journal of Geophysical Research D: Atmospheres, 2014, 119, 7946-7962.	3.3	11
98	Uncertainties in the modelled CO₂ threshold for Antarctic glaciation. Climate of the Past, 2014, 10, 451-466.	3.4	59
99	Investigating vegetationâ€“climate feedbacks during the early Eocene. Climate of the Past, 2014, 10, 419-436.	3.4	36
100	Evaluating the dominant components of warming in Pliocene climate simulations. Climate of the Past, 2014, 10, 79-90.	3.4	58
101	Corrigendum to "The relative roles of CO₂ and palaeogeography in determining late Miocene climate: results from a terrestrial modelâ€“data comparison" published in Clim. Past, 8, 1257â€“1285, 2012. Climate of the Past, 2014, 10, 199-206.	3.4	1
102	Causes and effects of Antarctic ice. Nature, 2014, 511, 536-537.	27.8	0
103	Temperature trends during the Present and Last Interglacial periods â€" a multi-model-data comparison. Quaternary Science Reviews, 2014, 99, 224-243.	3.0	48
104	Climate model response from the Geoengineering Model Intercomparison Project (GeoMIP). Journal of Geophysical Research D: Atmospheres, 2013, 118, 8320-8332.	3.3	226
105	Climate model and proxy data constraints on ocean warming across the Paleoceneâ€“Eocene Thermal Maximum. Earth-Science Reviews, 2013, 125, 123-145.	9.1	214
106	The role of vegetation feedbacks on Greenland glaciation. Climate Dynamics, 2013, 40, 2671-2686.	3.8	14
107	Paleogeographic controls on the onset of the Antarctic circumpolar current. Geophysical Research Letters, 2013, 40, 5199-5204.	4.0	55
108	Challenges in quantifying Pliocene terrestrial warming revealed by dataâ€“model discord. Nature Climate Change, 2013, 3, 969-974.	18.8	132

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109	Warm climates of the pastâ€"a lesson for the future?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20130146.	3.4	30
110	Editorial: The publication of geoscientific model developments v1.0. Geoscientific Model Development, 2013, 6, 1233-1242.	3.6	5
111	An efficient method to generate a perturbed parameter ensemble of a fully coupled AOGCM without flux-adjustment. Geoscientific Model Development, 2013, 6, 1447-1462.	3.6	16
112	Sea Surface Temperature of the mid-Piacenzian Ocean: A Data-Model Comparison. Scientific Reports, 2013, 3, 2013.	3.3	124
113	On the identification of a Pliocene time slice for dataâ€"model comparison. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120515.	3.4	69
114	How warm was the last interglacial? New modelâ€"data comparisons. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20130097.	3.4	124
115	Large-scale features of Pliocene climate: results from the Pliocene Model Intercomparison Project. Climate of the Past, 2013, 9, 191-209.	3.4	289
116	Last interglacial temperature evolution â€" a model inter-comparison. Climate of the Past, 2013, 9, 605-619.	3.4	84
117	A multi-model assessment of last interglacial temperatures. Climate of the Past, 2013, 9, 699-717.	3.4	134
118	Mid-pliocene Atlantic Meridional Overturning Circulation not unlike modern. Climate of the Past, 2013, 9, 1495-1504.	3.4	50
119	Quantification of the Greenland ice sheet contribution to Last Interglacial sea level rise. Climate of the Past, 2013, 9, 621-639.	3.4	84
120	Mid-Pliocene climate modelled using the UK Hadley Centre Model: PlioMIP Experiments 1 and 2. Geoscientific Model Development, 2012, 5, 1109-1125.	3.6	62
121	Exploring uncertainties in the relationship between temperature, ice volume, and sea level over the past 50 million years. Reviews of Geophysics, 2012, 50, .	23.0	33
122	Assessing confidence in Pliocene sea surface temperatures to evaluate predictive models. Nature Climate Change, 2012, 2, 365-371.	18.8	171
123	Fire and fireâ€adapted vegetation promoted C₄ expansion in the late Miocene. New Phytologist, 2012, 195, 653-666.	7.3	131
124	Changes in equatorial Pacific thermocline depth in response to Panamanian seaway closure: Insights from a multi-model study. Earth and Planetary Science Letters, 2012, 317-318, 76-84.	4.4	60
125	On the causes of mid-Pliocene warmth and polar amplification. Earth and Planetary Science Letters, 2012, 321-322, 128-138.	4.4	97
126	Making sense of palaeoclimate sensitivity. Nature, 2012, 491, 683-691.	27.8	247

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127	A modelâ€“data comparison for a multi-model ensemble of early Eocene atmosphereâ€“ocean simulations: EoMIP. Climate of the Past, 2012, 8, 1717-1736.	3.4	196
128	The relative roles of CO₂ and palaeogeography in determining late Miocene climate: results from a terrestrial modelâ€“data comparison. Climate of the Past, 2012, 8, 1257-1285.	3.4	45
129	Corrigendum to "The relative roles of CO₂ and palaeogeography in determining late Miocene climate: results from a terrestrial model-data comparison" published in Clim. Past, 8, 1257â€“1285, 2012. Climate of the Past, 2012, 8, 1301-1307.	3.4	2
130	Ecosystem CO₂ starvation and terrestrial silicate weathering: mechanisms and globalâ€scale quantification during the late Miocene. Journal of Ecology, 2012, 100, 31-41.	4.0	27
131	Are there pre-Quaternary geological analogues for a future greenhouse warming?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 933-956.	3.4	88
132	Climatic effects of surface albedo geoengineering. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	56
133	A Tortonian (Late Miocene, 11.61â€“7.25Ma) global vegetation reconstruction. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 300, 29-45.	2.3	149
134	Sea surface temperatures of the mid-Piacenzian Warm Period: A comparison of PRISM3 and HadCM3. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 309, 83-91.	2.3	54
135	Sensitivity of Pliocene ice sheets to orbital forcing. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 309, 98-110.	2.3	106
136	Pliocene climate variability: Northern Annular Mode in models and tree-ring data. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 309, 118-127.	2.3	18
137	Quantifying Uncertainty in Model Predictions for the Pliocene (Plio-QUMP): Initial results. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 309, 128-140.	2.3	17
138	Pliocene Model Intercomparison Project (PlioMIP): experimental design and boundary conditions (Experiment 2). Geoscientific Model Development, 2011, 4, 571-577.	3.6	151
139	A model for orbital pacing of methane hydrate destabilization during the Palaeogene. Nature Geoscience, 2011, 4, 775-778.	12.9	119
140	A new dust cycle model with dynamic vegetation: LPJ-dust version 1.0. Geoscientific Model Development, 2011, 4, 85-105.	3.6	8
141	A Palaeogene perspective on climate sensitivity and methane hydrate instability. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 2395-2415.	3.4	71
142	Computer code: a model journal. Nature, 2010, 468, 37-37.	27.8	0
143	Earth system sensitivity inferred from Pliocene modelling and data. Nature Geoscience, 2010, 3, 60-64.	12.9	230
144	Pliocene Model Intercomparison Project (PlioMIP): experimental design and boundary conditions (Experiment 1). Geoscientific Model Development, 2010, 3, 227-242.	3.6	168

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145	Mountain uplift and the glaciation of North America â€“ a sensitivity study. Climate of the Past, 2010, 6, 707-717.	3.4	30
146	CO2-driven ocean circulation changes as an amplifier of Paleocene-Eocene thermal maximum hydrate destabilization. Geology, 2010, 38, 875-878.	4.4	100
147	Investigating the sensitivity of numerical model simulations of the modern state of the Greenland ice-sheet and its future response to climate change. Cryosphere, 2010, 4, 397-417.	3.9	88
148	The impacts of Tibetan uplift on palaeoclimate proxies. Geological Society Special Publication, 2010, 342, 279-291.	1.3	19
149	Assessing the regional disparities in geoengineering impacts. Geophysical Research Letters, 2010, 37, .	4.0	69
150	Assessment of soil moisture fields from imperfect climate models with uncertain satellite observations. Hydrology and Earth System Sciences, 2009, 13, 1545-1553.	4.9	21
151	Introduction. Pliocene climate, processes and problems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 3-17.	3.4	85
152	The fate of the Greenland Ice Sheet in a geoengineered, high CO ₂ world. Environmental Research Letters, 2009, 4, 045109.	5.2	41
153	The past is a guide to the future? Comparing Middle Pliocene vegetation with predicted biome distributions for the twenty-first century. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 189-204.	3.4	78
154	Nature of the Antarctic Peninsula Ice Sheet during the Pliocene: Geological evidence and modelling results compared. Earth-Science Reviews, 2009, 94, 79-94.	9.1	47
155	Comparison of mid-Pliocene climate predictions produced by the HadAM3 and GCMAM3 General Circulation Models. Global and Planetary Change, 2009, 66, 208-224.	3.5	83
156	Pliocene climate and seasonality in North Atlantic shelf seas. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 85-108.	3.4	54
157	El NiÃ±oâ€“Southern Oscillation, Pliocene climate and equifinality. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 127-156.	3.4	44
158	The Arctic cryosphere in the Mid-Pliocene and the future. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 49-67.	3.4	42
159	Late Pliocene Greenland glaciation controlled by a decline in atmospheric CO2 levels. Nature, 2008, 454, 1102-1105.	27.8	243
160	A new global biome reconstruction and dataâ€model comparison for the Middle Pliocene. Global Ecology and Biogeography, 2008, 17, 432-447.	5.8	275
161	Human ecological niches and ranges during the LGM in Europe derived from an application of eco-cultural niche modeling. Journal of Archaeological Science, 2008, 35, 481-491.	2.4	119
162	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.	4.4	36

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163	â€œSunshade Worldâ€: A fully coupled GCM evaluation of the climatic impacts of geoengineering. Geophysical Research Letters, 2008, 35, .	4.0	93
164	A new global biome reconstruction and data-model comparison for the Middle Pliocene. Global Ecology and Biogeography, 2008, , .	5.8	3
165	The Mediterranean hydrologic budget from a Late Miocene global climate simulation. Palaeogeography, Palaeoclimatology, Palaeoecology, 2007, 251, 254-267.	2.3	102
166	Modelling Late Oligocene C4 grasses and climate. Palaeogeography, Palaeoclimatology, Palaeoecology, 2007, 251, 239-253.	2.3	34
167	Optimization of integrated Earth System Model components using Grid-enabled data management and computation. Concurrency Computation Practice and Experience, 2007, 19, 153-165.	2.2	11
168	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.	3.8	48
169	Closure of the Panama Seaway during the Pliocene: implications for climate and Northern Hemisphere glaciation. Climate Dynamics, 2007, 30, 1-18.	3.8	181
170	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.	3.4	28
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