Alan Haywood

List of Publications by Year in descending order

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63 papers	6,381 citations	66343 42 h-index	114465 63 g-index
70 all docs	70 docs citations	70 times ranked	5650 citing authors

#	Article	IF	Citations
1	The Anthropocene: a new epoch of geological time?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 835-841.	3.4	395
2	Large-scale features of Pliocene climate: results from the Pliocene Model Intercomparison Project. Climate of the Past, 2013, 9, 191-209.	3.4	289
3	A new global biome reconstruction and dataâ€model comparison for the Middle Pliocene. Global Ecology and Biogeography, 2008, 17, 432-447.	5.8	275
4	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
5	Global vegetation dynamics and latitudinal temperature gradients during the Mid to Late Miocene (15.97â€“5.33Ma). Earth-Science Reviews, 2012, 112, 1-22.	9.1	266
6	PaleoClim, high spatial resolution paleoclimate surfaces for global land areas. Scientific Data, 2018, 5, 180254.	5.3	265
7	Modelling Pliocene warmth: contribution of atmosphere, oceans and cryosphere. Earth and Planetary Science Letters, 2004, 218, 363-377.	4.4	254
8	Late Pliocene Greenland glaciation controlled by a decline in atmospheric CO2 levels. Nature, 2008, 454, 1102-1105.	27.8	243
9	Earth system sensitivity inferred from Pliocene modelling and data. Nature Geoscience, 2010, 3, 60-64.	12.9	230
10	Closure of the Panama Seaway during the Pliocene: implications for climate and Northern Hemisphere glaciation. Climate Dynamics, 2007, 30, 1-18.	3.8	181
11	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
12	Pliocene Model Intercomparison Project (PlioMIP): experimental design and boundary conditions (Experiment 1). Geoscientific Model Development, 2010, 3, 227-242.	3.6	168
13	The PMIP4 contribution to CMIP6 â€“ Part 1: Overview and over-arching analysis plan. Geoscientific Model Development, 2018, 11, 1033-1057.	3.6	164
14	Stratigraphic and Earth System approaches to defining the Anthropocene. Earth's Future, 2016, 4, 324-345.	6.3	162
15	Pliocene Model Intercomparison Project (PlioMIP): experimental design and boundary conditions (Experiment 2). Geoscientific Model Development, 2011, 4, 571-577.	3.6	151
16	Integrating geological archives and climate models for the mid-Pliocene warm period. Nature Communications, 2016, 7, 10646.	12.8	150
17	A Tortonian (Late Miocene, 11.61â€“7.25Ma) global vegetation reconstruction. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 300, 29-45.	2.3	149
18	Global scale palaeoclimate reconstruction of the middle Pliocene climate using the UKMO GCM: initial results. Global and Planetary Change, 2000, 25, 239-256.	3.5	148

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19	The PRISM4 (mid-Piacenzian) paleoenvironmental reconstruction. Climate of the Past, 2016, 12, 1519-1538.	3.4	143
20	Challenges in quantifying Pliocene terrestrial warming revealed by dataâ€“model discord. Nature Climate Change, 2013, 3, 969-974.	18.8	132
21	Climate and environment of a Pliocene warm world. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 309, 1-8.	2.3	129
22	Sea Surface Temperature of the mid-Piacenzian Ocean: A Data-Model Comparison. Scientific Reports, 2013, 3, 2013.	3.3	124
23	The Pliocene Model Intercomparison Project (PlioMIP) Phase 2: scientific objectives and experimental design. Climate of the Past, 2016, 12, 663-675.	3.4	119
24	Sensitivity of Pliocene ice sheets to orbital forcing. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 309, 98-110.	2.3	106
25	CO2-driven ocean circulation changes as an amplifier of Paleocene-Eocene thermal maximum hydrate destabilization. Geology, 2010, 38, 875-878.	4.4	100
26	On the causes of mid-Pliocene warmth and polar amplification. Earth and Planetary Science Letters, 2012, 321-322, 128-138.	4.4	97
27	A permanent El NiÃ±o-like state during the Pliocene?. Paleoceanography, 2007, 22, n/a-n/a.	3.0	96
28	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
29	Introduction. Pliocene climate, processes and problems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 3-17.	3.4	85
30	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
31	Cretaceous (Wealden) climates: a modelling perspective. Cretaceous Research, 2004, 25, 303-311.	1.4	76
32	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
33	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
34	Investigating early hominin dispersal patterns: developing a framework for climate data integration. Journal of Human Evolution, 2007, 53, 465-474.	2.6	60
35	Mid-Pliocene East Asian monsoon climate simulated in the PlioMIP. Climate of the Past, 2013, 9, 2085-2099.	3.4	60
36	Evaluating the dominant components of warming in Pliocene climate simulations. Climate of the Past, 2014, 10, 79-90.	3.4	58

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37	Assessing orbitally-forced interglacial climate variability during the mid-Pliocene Warm Period. Earth and Planetary Science Letters, 2014, 400, 261-271.	4.4	58
38	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
39	Persistent El NiÃ±oâ€“Southern Oscillation variation during the Pliocene Epoch. Paleoceanography, 2011, 26, .	3.0	52
40	Lessons from a high-CO₂ world: an ocean view from â€‰â¼â€‰3Âmillion years ago. Climate of the Past, 2020, 16, 1599-1615.	3.4	52
41	Late Pliocene lakes and soils: a global data set for the analysis of climate feedbacks in a warmer world. Climate of the Past, 2014, 10, 167-180.	3.4	49
42	Alpine permafrost could account for a quarter of thawed carbon based on Plio-Pleistocene paleoclimate analogue. Nature Communications, 2022, 13, 1329.	12.8	49
43	Vegetation cover in a warmer world simulated using a dynamic global vegetation model for the Mid-Pliocene. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 237, 412-427.	2.3	47
44	What can Palaeoclimate Modelling do for you?. Earth Systems and Environment, 2019, 3, 1-18.	6.2	47
45	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
46	Lessons on Climate Sensitivity From Past Climate Changes. Current Climate Change Reports, 2016, 2, 148-158.	8.6	42
47	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
48	Past terrestrial hydroclimate sensitivity controlled by Earth system feedbacks. Nature Communications, 2022, 13, 1306.	12.8	28
49	Pliocene Ice Sheet Modelling Intercomparison Project (PLISMIP) â€“ experimental design. Geoscientific Model Development, 2012, 5, 963-974.	3.6	27
50	Evaluation of Arctic warming in mid-Pliocene climate simulations. Climate of the Past, 2020, 16, 2325-2341.	3.4	21
51	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
52	Mid-Pliocene Atlantic Meridional Overturning Circulation simulated in PlioMIP2. Climate of the Past, 2021, 17, 529-543.	3.4	20
53	Modeling oxygen isotopes in the Pliocene: Large-scale features over the land and ocean. Paleoceanography, 2015, 30, 1183-1201.	3.0	18
54	Quantifying Uncertainty in Model Predictions for the Pliocene (Plio-QUMP): Initial results. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 309, 128-140.	2.3	17

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55	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
56	The Transient Response of Ice Volume to Orbital Forcing During the Warm Late Pliocene. Geophysical Research Letters, 2017, 44, 10,486.	4.0	14
57	Accounting for centennial-scale variability when detecting changes in ENSO: A study of the Pliocene. Paleoceanography, 2016, 31, 1330-1349.	3.0	9
58	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
59	The warm winter paradox in the Pliocene northern high latitudes. Climate of the Past, 2022, 18, 1385-1405.	3.4	6
60	Multi-variate factorisation of numerical simulations. Geoscientific Model Development, 2021, 14, 4307-4317.	3.6	5
61	Modelling the mid-Pliocene warm period using HadGEM2. Global and Planetary Change, 2020, 186, 103110.	3.5	4
62	Modeling the stable water isotope expression of El NiÃ±o in the Pliocene: Implications for the interpretation of proxy data. Paleoceanography, 2017, 32, 881-902.	3.0	3
63	Comparing structurally different climate models in a paleoenvironmental context. Eos, 2011, 92, 180-180.	0.1	1