

# Aisling Margaret Dolan

## List of Publications by Citations

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39  
papers

2,037  
citations

23  
h-index

45  
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54  
ext. papers

2,327  
ext. citations

6.2  
avg, IF

4.28  
L-index

#	Paper	IF	Citations
39	Large-scale features of Pliocene climate: results from the Pliocene Model Intercomparison Project. <i>Climate of the Past</i> , <b>2013</b> , 9, 191-209	3.9	237
38	Assessing confidence in Pliocene sea surface temperatures to evaluate predictive models. <i>Nature Climate Change</i> , <b>2012</b> , 2, 365-371	21.4	144
37	Pliocene Model Intercomparison Project (PlioMIP): experimental design and boundary conditions (Experiment 1). <i>Geoscientific Model Development</i> , <b>2010</b> , 3, 227-242	6.3	144
36	Pliocene Model Intercomparison Project (PlioMIP): experimental design and boundary conditions (Experiment 2). <i>Geoscientific Model Development</i> , <b>2011</b> , 4, 571-577	6.3	134
35	Challenges in quantifying Pliocene terrestrial warming revealed by data-model discord. <i>Nature Climate Change</i> , <b>2013</b> , 3, 969-974	21.4	110
34	Integrating geological archives and climate models for the mid-Pliocene warm period. <i>Nature Communications</i> , <b>2016</b> , 7, 10646	17.4	109
33	Sea surface temperature of the mid-Piacenzian ocean: a data-model comparison. <i>Scientific Reports</i> , <b>2013</b> , 3, 2013	4.9	108
32	The PMIP4 contribution to CMIP6 [Part 1: Overview and over-arching analysis plan. <i>Geoscientific Model Development</i> , <b>2018</b> , 11, 1033-1057	6.3	106
31	The PRISM4 (mid-Piacenzian) paleoenvironmental reconstruction. <i>Climate of the Past</i> , <b>2016</b> , 12, 1519-1538	3.8	95
30	Sensitivity of Pliocene ice sheets to orbital forcing. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2011</b> , 309, 98-110	2.9	91
29	The Pliocene Model Intercomparison Project (PlioMIP) Phase 2: scientific objectives and experimental design. <i>Climate of the Past</i> , <b>2016</b> , 12, 663-675	3.9	90
28	Are there pre-Quaternary geological analogues for a future greenhouse warming?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2011</b> , 369, 933-56	3	82
27	On the identification of a Pliocene time slice for data-model comparison. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2013</b> , 371, 20120515	3	58
26	Simulating the Antarctic ice sheet in the late-Pliocene warm period: PLISMIP-ANT, an ice-sheet model intercomparison project. <i>Cryosphere</i> , <b>2015</b> , 9, 881-903	5.5	54
25	Assessing orbitally-forced interglacial climate variability during the mid-Pliocene Warm Period. <i>Earth and Planetary Science Letters</i> , <b>2014</b> , 400, 261-271	5.3	52
24	Mid-Pliocene East Asian monsoon climate simulated in the PlioMIP. <i>Climate of the Past</i> , <b>2013</b> , 9, 2085-2099	3.9	49
23	Mid-pliocene Atlantic Meridional Overturning Circulation not unlike modern. <i>Climate of the Past</i> , <b>2013</b> , 9, 1495-1504	3.9	48

22	Modelling the enigmatic Late Pliocene Glacial Event □ Marine Isotope Stage M2. <i>Global and Planetary Change</i> , <b>2015</b> , 128, 47-60	4.2	47
21	The Pliocene Model Intercomparison Project Phase 2: large-scale climate features and climate sensitivity. <i>Climate of the Past</i> , <b>2020</b> , 16, 2095-2123	3.9	39
20	Using results from the PlioMIP ensemble to investigate the Greenland Ice Sheet during the mid-Pliocene Warm Period. <i>Climate of the Past</i> , <b>2015</b> , 11, 403-424	3.9	29
19	Ice sheet model dependency of the simulated Greenland Ice Sheet in the mid-Pliocene. <i>Climate of the Past</i> , <b>2015</b> , 11, 369-381	3.9	29
18	Sea surface temperature control on the distribution of far-traveled Southern Ocean ice-rafted detritus during the Pliocene. <i>Paleoceanography</i> , <b>2014</b> , 29, 533-548		27
17	Pliocene Ice Sheet Modelling Intercomparison Project (PLISMIP) □ experimental design. <i>Geoscientific Model Development</i> , <b>2012</b> , 5, 963-974	6.3	24
16	What can Palaeoclimate Modelling do for you?. <i>Earth Systems and Environment</i> , <b>2019</b> , 3, 1-18	7.5	23
15	PMIP4-CMIP6: the contribution of the Paleoclimate Modelling Intercomparison Project to CMIP6 <b>2016</b> ,		17
14	The HadCM3 contribution to PlioMIP phase 2. <i>Climate of the Past</i> , <b>2019</b> , 15, 1691-1713	3.9	16
13	High climate model dependency of Pliocene Antarctic ice-sheet predictions. <i>Nature Communications</i> , <b>2018</b> , 9, 2799	17.4	14
12	The Transient Response of Ice Volume to Orbital Forcing During the Warm Late Pliocene. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 10,486-10,494	4.9	10
11	Modelling ice sheet evolution and atmospheric CO <sub>2</sub> during the Late Pliocene. <i>Climate of the Past</i> , <b>2019</b> , 15, 1603-1619	3.9	10
10	Can uncertainties in sea ice albedo reconcile patterns of data-model discord for the Pliocene and 20th/21st centuries?. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 2011-2018	4.9	9
9	A return to large-scale features of Pliocene climate: the Pliocene Model Intercomparison Project Phase 2		5
8	Pliocene Model Intercomparison (PlioMIP) Phase 2: scientific objectives and experimental design		5
7	Warm fjords and vegetated landscapes in early Pliocene East Antarctica. <i>Earth and Planetary Science Letters</i> , <b>2020</b> , 534, 116045	5.3	4
6	Icebergs in the Nordic Seas Throughout the Late Pliocene. <i>Paleoceanography and Paleoclimatology</i> , <b>2018</b> , 33, 318-335	3.3	4
5	Greenland Ice Sheet sensitivity and sea level contribution in the mid-Pliocene warm period □ Pliocene Ice Sheet Model Intercomparison Project PLISMIP		4

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- 3 Antarctic environmental change and ice sheet evolution through the Miocene to Pliocene: A perspective from the Ross Sea and George V to Wilkes Land Coasts **2022**, 389-521 2
- 2 Using results from the PlioMIP ensemble to investigate the Greenland Ice Sheet during the warm Pliocene 2
- 1 Climate model simulations of the mid-Pliocene: Earth's last great interval of global warmth. *Eos*, **2012**, 93, 18-18 1.5