Ayako Abe-Ouchi

List of Publications by Year
in descending order

209	14,747	19657 61	24982 109
papers	citations	h-index	g-index

317	317	317	10504
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Millennial-scale variability of Indian summer monsoon constrained by the western Bay of Bengal sediments: Implication from geochemical proxies of sea surface salinity and river runoff. Global and Planetary Change, 2022, 208, 103719.	3.5	5
2	Response of convective systems to the orbital forcing of the last interglacial in a global nonhydrostatic atmospheric model with and without a convective parameterization. Climate Dynamics, 2022, 59, 1617-1648.	3.8	3
3	Changes in the Kuroshio Path, Surface Velocity and Transport During the Last 35,000 Years. Geophysical Research Letters, 2022, 49, .	4.0	2
4	Effect of Climatic Precession on Dansgaardâ€Oeschgerâ€Like Oscillations. Geophysical Research Letters, 2022, 49, .	4.0	11
5	Past terrestrial hydroclimate sensitivity controlled by Earth system feedbacks. Nature Communications, 2022, 13, 1306.	12.8	28
6	Increased interglacial atmospheric CO2 levels followed the mid-Pleistocene Transition. Nature Geoscience, 2022, 15, 307-313.	12.9	13
7	Mass loss of the Antarctic ice sheet until the year 3000 under a sustained late-21st-century climate. Journal of Glaciology, 2022, 68, 605-617.	2.2	8
8	African Hydroclimate During the Early Eocene From the DeepMIP Simulations. Paleoceanography and Paleoclimatology, 2022, 37, .	2.9	3
9	Freshwater influx to the Eastern Mediterranean Sea from the melting of the Fennoscandian ice sheet during the last deglaciation. Scientific Reports, 2022, 12, 8466.	3.3	3
10	Modelling the Past and Future Climate by Dr. Syukuro Manabe. Trends in the Sciences, 2022, 27, 2_14-2_18.	0.0	0
11	Regional patterns and temporal evolution of ocean iron fertilization and CO2 drawdown during the last glacial termination. Earth and Planetary Science Letters, 2021, 554, 116675.	4.4	8
12	Review of the current polar ice sheet surface mass balance and its modelling: the 2020 summer edition. Journal of the Japanese Society of Snow and Ice, 2021, 83, 27-50.	0.1	0
13	PMIP4/CMIP6 last interglacial simulations using three different versions of MIROC: importance of vegetation. Climate of the Past, 2021, 17, 21-36.	3.4	10
14	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
15	Impact of mid-glacial ice sheets on deep ocean circulation and global climate. Climate of the Past, 2021, 17, 95-110.	3.4	5
16	Mid-Pliocene Atlantic Meridional Overturning Circulation simulated in PlioMIP2. Climate of the Past, 2021, 17, 529-543.	3.4	20
17	PMIP4 experiments using MIROC-ES2L Earth system model. Geoscientific Model Development, 2021, 14, 1195-1217.	3.6	22
18	The PMIP4 Last Glacial Maximum experiments: preliminary results and comparison with the PMIP3 simulations. Climate of the Past, 2021, 17, 1065-1089.	3.4	107

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19	Projected land ice contributions to twenty-first-century sea level rise. Nature, 2021, 593, 74-82.	27.8	200
20	Antarctic surface temperature and elevation during the Last Glacial Maximum. Science, 2021, 372, 1097-1101.	12.6	61
21	Past abrupt changes, tipping points and cascading impacts in the Earth system. Nature Geoscience, 2021, 14, 550-558.	12.9	62
22	Glacial carbon cycle changes by Southern Ocean processes with sedimentary amplification. Science Advances, 2021, 7, .	10.3	7
23	Antarctic Slope Current Modulates Ocean Heat Intrusions Towards Totten Glacier. Geophysical Research Letters, 2021, 48, e2021GL094149.	4.0	21
24	Glacial mode shift of the Atlantic meridional overturning circulation by warming over the Southern Ocean. Communications Earth & Environment, 2021, 2, .	6.8	6
25	Mid-Pliocene West African Monsoon rainfall as simulated in the PlioMIP2 ensemble. Climate of the Past, 2021, 17, 1777-1794.	3.4	10
26	Future Sea Level Change Under Coupled Model Intercomparison Project Phase 5 and Phase 6 Scenarios From the Greenland and Antarctic Ice Sheets. Geophysical Research Letters, 2021, 48, e2020GL091741.	4.0	28
27	A First Intercomparison of the Simulated LGM Carbon Results Within PMIPâ€€arbon: Role of the Ocean Boundary Conditions. Paleoceanography and Paleoclimatology, 2021, 36, e2021PA004302.	2.9	5
28	Does a difference in ice sheets between Marine Isotope Stages 3 and 5a affect the duration of stadials? Implications from hosing experiments. Climate of the Past, 2021, 17, 1919-1936.	3.4	1
29	A multi-model CMIP6-PMIP4 study of Arctic sea ice at 127â€‰ka: sea ice data compilation and model differences. Climate of the Past, 2021, 17, 37-62.	3.4	29
30	Large-scale features of Last Interglacial climate: results from evaluating the <i>lig127k</i> simulations for the Coupled Model Intercomparison Project (CMIP6)â€“Paleoclimate Modeling Intercomparison Project (PMIP4). Climate of the Past, 2021, 17, 63-94.	3.4	76
31	Differences Between Presentâ€Day and Cretaceous Hydrological Cycle Responses to Rising CO₂ Concentration. Geophysical Research Letters, 2021, 48, e2021GL094341.	4.0	5
32	The Onset of a Globally Iceâ€Covered State for a Land Planet. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006975.	3.6	3
33	Abrupt climate changes in the last two deglaciations simulated with different Northern ice sheet discharge and insolation. Scientific Reports, 2021, 11, 22359.	3.3	9
34	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
35	Surface Mass Balance Controlled by Local Surface Slope in Inland Antarctica: Implications for Iceâ€Sheet Mass Balance and Oldest Ice Delineation in Dome Fuji. Geophysical Research Letters, 2021, 48, .	4.0	9
36	Equilibrium Climate Sensitivity Estimated by Equilibrating Climate Models. Geophysical Research Letters, 2020, 47, e2019GL083898.	4.0	84

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37	Drier tropical and subtropical Southern Hemisphere in the mid-Pliocene Warm Period. Scientific Reports, 2020, 10, 13458.	3.3	25
38	Compositions of Dust and Sea Salts in the Dome C and Dome Fuji Ice Cores From Last Glacial Maximum to Early Holocene Based on Iceâ€Sublimation and Singleâ€Particle Measurements. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032208.	3.3	6
39	Roles of Sea Iceâ€“Surface Wind Feedback in Maintaining the Glacial Atlantic Meridional Overturning Circulation and Climate. Journal of Climate, 2020, 33, 3001-3018.	3.2	14
40	Pliocene Model Intercomparison Project (PlioMIP2) simulations using the Model for Interdisciplinary Research on Climate (MIROC4m). Climate of the Past, 2020, 16, 1523-1545.	3.4	21
41	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
42	Comparison of past and future simulations of ENSO in CMIP5/PMIP3 and CMIP6/PMIP4 models. Climate of the Past, 2020, 16, 1777-1805.	3.4	56
43	Large-scale features and evaluation of the PMIP4-CMIP6 <i>midHolocene</i> simulations. Climate of the Past, 2020, 16, 1847-1872.	3.4	94
44	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
45	Evaluation of Arctic warming in mid-Pliocene climate simulations. Climate of the Past, 2020, 16, 2325-2341.	3.4	21
46	Experimental protocol for sea level projections from ISMIP6 stand-alone ice sheet models. Cryosphere, 2020, 14, 2331-2368.	3.9	72
47	ISMIP6 Antarctica: a multi-model ensemble of the Antarctic ice sheet evolution over the 21st century. Cryosphere, 2020, 14, 3033-3070.	3.9	198
48	The future sea-level contribution of the Greenland ice sheet: a multi-model ensemble study of ISMIP6. Cryosphere, 2020, 14, 3071-3096.	3.9	144
49	Implementation of the RCIP scheme and its performance for 1-D age computations in ice-sheet models. Geoscientific Model Development, 2020, 13, 5875-5896.	3.6	1
50	Abrupt BÃ¸lingâ€AllerÃ¸d Warming Simulated under Gradual Forcing of the Last Deglaciation. Geophysical Research Letters, 2019, 46, 11397-11405.	4.0	48
51	Inner Edge of Habitable Zones for Earthâ€Sized Planets With Various Surface Water Distributions. Journal of Geophysical Research E: Planets, 2019, 124, 2306-2324.	3.6	15
52	LongRunMIP: Motivation and Design for a Large Collection of Millennial-Length AOGCM Simulations. Bulletin of the American Meteorological Society, 2019, 100, 2551-2570.	3.3	65
53	The penultimate deglaciation: protocol for Paleoclimate Modelling Intercomparison Project (PMIP) phase 4 transient numerical simulations between 140 and 127â€‰ka, version 1.0. Geoscientific Model Development, 2019, 12, 3649-3685.	3.6	26
54	initMIP-Antarctica: an ice sheet model initialization experiment of ISMIP6. Cryosphere, 2019, 13, 1441-1471.	3.9	69

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55	Glacial CO₂ decrease and deep-water deoxygenation by iron fertilization from glaciogenic dust. Climate of the Past, 2019, 15, 981-996.	3.4	34
56	A Prototype Ultra-Wideband FMCW Radar for Snow and Soil-Moisture Measurements. , 2019, , .		9
57	Indian Monsoonal Variations During the Past 80ÂKyr Recorded in NGHPâ€02 Hole 19B, Western Bay of Bengal: Implications From Chemical and Mineral Properties. Geochemistry, Geophysics, Geosystems, 2019, 20, 148-165.	2.5	12
58	Asynchrony between Antarctic temperature and CO2 associated with obliquity over the past 720,000 years. Nature Communications, 2018, 9, 961.	12.8	51
59	Dependence of the Onset of the Runaway Greenhouse Effect on the Latitudinal Surface Water Distribution of Earthâ€Like Planets. Journal of Geophysical Research E: Planets, 2018, 123, 559-574.	3.6	22
60	The Importance of Ocean Dynamical Feedback for Understanding the Impact of Midâ€“High-Latitude Warming on Tropical Precipitation Change. Journal of Climate, 2018, 31, 2417-2434.	3.2	8
61	Ecological Niche and Least-Cost Path Analyses to Estimate Optimal Migration Routes of Initial Upper Palaeolithic Populations to Eurasia. , 2018, , 199-212.		4
62	Influence of glacial ice sheets on the Atlantic meridional overturning circulation through surface wind change. Climate Dynamics, 2018, 50, 2881-2903.	3.8	36
63	Effect of high dust amount on surface temperature during the Last Glacial Maximum: a modelling study using MIROC-ESM. Climate of the Past, 2018, 14, 1565-1581.	3.4	18
64	Long-term response of oceanic carbon uptake to global warming via physical and biological pumps. Biogeosciences, 2018, 15, 4163-4180.	3.3	19
65	Design and results of the ice sheet model initialisation experiments initMIP-Greenland: an ISMIP6 intercomparison. Cryosphere, 2018, 12, 1433-1460.	3.9	89
66	The PMIP4 contribution to CMIP6 â€“ Part 1: Overview and over-arching analysis plan. Geoscientific Model Development, 2018, 11, 1033-1057.	3.6	164
67	Responses of Basal Melting of Antarctic Ice Shelves to the Climatic Forcing of the Last Glacial Maximum and CO2 Doubling. Journal of Climate, 2017, 30, 3473-3497.	3.2	16
68	State dependence of climatic instability over the past 720,000 years from Antarctic ice cores and climate modeling. Science Advances, 2017, 3, e1600446.	10.3	86
69	Impact of Arctic Wetlands on the Climate System: Model Sensitivity Simulations with the MIROC5 AGCM and a Snow-Fed Wetland Scheme. Journal of Hydrometeorology, 2017, 18, 2923-2936.	1.9	18
70	The role of atmospheric heat transport and regional feedbacks in the Arctic warming at equilibrium. Climate Dynamics, 2017, 49, 3457-3472.	3.8	43
71	Overestimate of committed warming. Nature, 2017, 547, E16-E17.	27.8	7
72	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

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73	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
74	Arctic sea ice simulation in the PlioMIP ensemble. Climate of the Past, 2016, 12, 749-767.	3.4	15
75	Climate dependent contrast in surface mass balance in East Antarctica over the past 216 ka. Journal of Glaciology, 2016, 62, 1037-1048.	2.2	8
76	The Pliocene Model Intercomparison Project (PlioMIP) Phase 2: scientific objectives and experimental design. Climate of the Past, 2016, 12, 663-675.	3.4	119
77	Ice Sheet Model Intercomparison Project (ISMIP6) contribution to CMIP6. Geoscientific Model Development, 2016, 9, 4521-4545.	3.6	199
78	Intensification of tropical Pacific biological productivity due to volcanic eruptions. Geophysical Research Letters, 2016, 43, 1184-1192.	4.0	21
79	Interglacials of the last 800,000â€‰years. Reviews of Geophysics, 2016, 54, 162-219.	23.0	359
80	Fate of the Atlantic Meridional Overturning Circulation: Strong decline under continued warming and Greenland melting. Geophysical Research Letters, 2016, 43, 12,252.	4.0	132
81	A review of progress towards understanding the transient global mean surface temperature response to radiative perturbation. Progress in Earth and Planetary Science, 2016, 3, .	3.0	24
82	Surface Arctic Amplification Factors in CMIP5 Models: Land and Oceanic Surfaces and Seasonality. Journal of Climate, 2016, 29, 3297-3316.	3.2	42
83	SeaRISE experiments revisited: potential sources of spread in multi-model projections of the Greenland ice sheet. Cryosphere, 2016, 10, 43-63.	3.9	10
84	Role of Southern Ocean stratification in glacial atmospheric CO₂ reduction evaluated by a three-dimensional ocean general circulation model. Paleoceanography, 2015, 30, 1202-1216.	3.0	22
85	Global deep ocean oxygenation by enhanced ventilation in the Southern Ocean under longâ€term global warming. Global Biogeochemical Cycles, 2015, 29, 1801-1815.	4.9	53
86	Modelling the Antarctic marine cryosphere at the Last Glacial Maximum. Annals of Glaciology, 2015, 56, 425-435.	1.4	16
87	A SENSITIVITY STUDY OF A SIMPLE WETLAND SCHEME FOR IMPROVEMENTS IN THE REPRESENTATION OF SURFACE HYDROLOGY AND DECREASE OF SURFACE AIR TEMPERATURE BIAS. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2015, 71, I_955-I_960.	0.1	2
88	Simulating the Antarctic ice sheet in the late-Pliocene warm period: PLISMIP-ANT, an ice-sheet model intercomparison project. Cryosphere, 2015, 9, 881-903.	3.9	61
89	Ice-sheet configuration in the CMIP5/PMIP3 Last Glacial Maximum experiments. Geoscientific Model Development, 2015, 8, 3621-3637.	3.6	95
90	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

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91	Exposure age and ice-sheet model constraints on Pliocene East Antarctic ice sheet dynamics. Nature Communications, 2015, 6, 7016.	12.8	45
92	Effects of the Bering Strait closure on AMOC and global climate under different background climates. Progress in Oceanography, 2015, 132, 174-196.	3.2	64
93	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
94	Deglacial ice sheet meltdown: orbital pacemaking and CO₂ effects. Climate of the Past, 2014, 10, 1567-1579.	3.4	40
95	Evaluating the dominant components of warming in Pliocene climate simulations. Climate of the Past, 2014, 10, 79-90.	3.4	58
96	Ocean oxygen depletion due to decomposition of submarine methane hydrate. Geophysical Research Letters, 2014, 41, 5075-5083.	4.0	23
97	Robust Seasonality of Arctic Warming Processes in Two Different Versions of the MIROC GCM. Journal of Climate, 2014, 27, 6358-6375.	3.2	23
98	Modeling Obliquity and CO2 Effects on Southern Hemisphere Climate during the Past 408 ka*. Journal of Climate, 2014, 27, 1863-1875.	3.2	49
99	Relative contribution of feedback processes to Arctic amplification of temperature change in MIROC GCM. Climate Dynamics, 2014, 42, 1613-1630.	3.8	33
100	Representing Variability in Subgrid Snow Cover and Snow Depth in a Global Land Model: Offline Validation. Journal of Climate, 2014, 27, 3318-3330.	3.2	48
101	Insolation-driven 100,000-year glacial cycles and hysteresis of ice-sheet volume. Nature, 2013, 500, 190-193.	27.8	344
102	Challenges in quantifying Pliocene terrestrial warming revealed by dataâ€“model discord. Nature Climate Change, 2013, 3, 969-974.	18.8	132
103	Insights into spatial sensitivities of ice mass response to environmental change from the SeaRISE ice sheet modeling project I: Antarctica. Journal of Geophysical Research F: Earth Surface, 2013, 118, 1002-1024.	2.8	63
104	The role of mineral-dust aerosols in polar temperature amplification. Nature Climate Change, 2013, 3, 487-491.	18.8	70
105	Climatic impacts of fresh water hosing under Last Glacial Maximum conditions: a multi-model study. Climate of the Past, 2013, 9, 935-953.	3.4	146
106	Sea Surface Temperature of the mid-Piacenzian Ocean: A Data-Model Comparison. Scientific Reports, 2013, 3, 2013.	3.3	124
107	Insights into spatial sensitivities of ice mass response to environmental change from the SeaRISE ice sheet modeling project II: Greenland. Journal of Geophysical Research F: Earth Surface, 2013, 118, 1025-1044.	2.8	79
108	Ice-sheet model sensitivities to environmental forcing and their use in projecting future sea level (the) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.2	222

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109	Influence of dynamic vegetation on climate change and terrestrial carbon storage in the Last Glacial Maximum. Climate of the Past, 2013, 9, 1571-1587.	3.4	26
110	Mid-Pliocene East Asian monsoon climate simulated in the PlioMIP. Climate of the Past, 2013, 9, 2085-2099.	3.4	60
111	Large-scale features of Pliocene climate: results from the Pliocene Model Intercomparison Project. Climate of the Past, 2013, 9, 191-209.	3.4	289
112	Can an Earth System Model simulate better climate change at mid-Holocene than an AOGCM? A comparison study of MIROC-ESM and MIROC3. Climate of the Past, 2013, 9, 1519-1542.	3.4	7
113	Historical and idealized climate model experiments: an intercomparison of Earth system models of intermediate complexity. Climate of the Past, 2013, 9, 1111-1140.	3.4	157
114	A multi-model assessment of last interglacial temperatures. Climate of the Past, 2013, 9, 699-717.	3.4	134
115	Set-up of the PMIP3 paleoclimate experiments conducted using an Earth system model, MIROC-ESM. Geoscientific Model Development, 2013, 6, 819-836.	3.6	76
116	Mid-pliocene Atlantic Meridional Overturning Circulation not unlike modern. Climate of the Past, 2013, 9, 1495-1504.	3.4	50
117	Skill and reliability of climate model ensembles at the Last Glacial Maximum and mid-Holocene. Climate of the Past, 2013, 9, 811-823.	3.4	64
118	Sources of Spread in Multimodel Projections of the Greenland Ice Sheet Surface Mass Balance. Journal of Climate, 2012, 25, 1157-1175.	3.2	27
119	Role of the Bering Strait on the hysteresis of the ocean conveyor belt circulation and glacial climate stability. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6417-6422.	7.1	75
120	Sources of multi-decadal variability in Arctic sea ice extent. Environmental Research Letters, 2012, 7, 034011.	5.2	133
121	Can the Last Glacial Maximum constrain climate sensitivity?. Geophysical Research Letters, 2012, 39, .	4.0	68
122	Perturbed physics ensemble using the MIROC5 coupled atmosphereâ€“ocean GCM without flux corrections: experimental design and results. Climate Dynamics, 2012, 39, 3041-3056.	3.8	49
123	Detecting regional anthropogenic trends in ocean acidification against natural variability. Nature Climate Change, 2012, 2, 167-171.	18.8	83
124	Assessing confidence in Pliocene sea surface temperatures to evaluate predictive models. Nature Climate Change, 2012, 2, 365-371.	18.8	171
125	Removing the North Pacific halocline: Effects on global climate, ocean circulation and the carbon cycle. Deep-Sea Research Part II: Topical Studies in Oceanography, 2012, 61-64, 106-113.	1.4	35
126	Variability in North Pacific intermediate and deep water ventilation during Heinrich events in two coupled climate models. Deep-Sea Research Part II: Topical Studies in Oceanography, 2012, 61-64, 114-126.	1.4	59

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127	Sea surface temperature changes in the Okhotsk Sea and adjacent North Pacific during the last glacial maximum and deglaciation. Deep-Sea Research Part II: Topical Studies in Oceanography, 2012, 61-64, 93-105.	1.4	36
128	The Pacificâ€Atlantic seesaw and the Bering Strait. Geophysical Research Letters, 2012, 39, .	4.0	39
129	Stability of weather regimes during the last millennium from climate simulations. Geophysical Research Letters, 2012, 39, .	4.0	17
130	Temperatureâ€induced marine export production during glacial period. Geophysical Research Letters, 2012, 39, .	4.0	11
131	Quantifying the ocean's role in glacial CO₂ reductions. Climate of the Past, 2012, 8, 545-563.	3.4	30
132	Evaluation of climate models using palaeoclimatic data. Nature Climate Change, 2012, 2, 417-424.	18.8	779
133	The thermal threshold of the Atlantic meridional overturning circulation and its control by wind stress forcing during glacial climate. Geophysical Research Letters, 2012, 39, .	4.0	55
134	Mid-Holocene palaeoceanography of the northern South China Sea using coupled fossil-modern coral and atmosphere-ocean GCM model. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	40
135	Comparing structurally different climate models in a paleoenvironmental context. Eos, 2011, 92, 180-180.	0.1	1
136	Polar amplification in the mid-Holocene derived from dynamical vegetation change with a GCM. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	30
137	Habitable Zone Limits for Dry Planets. Astrobiology, 2011, 11, 443-460.	3.0	240
138	Mechanisms controlling export production at the LGM: Effects of changes in oceanic physical fields and atmospheric dust deposition. Global Biogeochemical Cycles, 2011, 25, n/a-n/a.	4.9	42
139	Using synoptic type analysis to understand New Zealand climate during the Mid-Holocene. Climate of the Past, 2011, 7, 1189-1207.	3.4	23
140	Are paleoclimate model ensembles consistent with the MARGO data synthesis?. Climate of the Past, 2011, 7, 917-933.	3.4	38
141	Initial results of the SeaRISE numerical experiments with the models SICOPOLIS and IcIES for the Greenland ice sheet. Annals of Glaciology, 2011, 52, 23-30.	1.4	75
142	Present State and Prospects of Ice Sheet and Glacier Modelling. Surveys in Geophysics, 2011, 32, 555-583.	4.6	23
143	Role of the ocean in controlling atmospheric CO2 concentration in the course of global glaciations. Climate Dynamics, 2011, 37, 1755-1770.	3.8	16
144	Atmospheric Local Energetics and Energy Interactions between Mean and Eddy Fields. Part II: An Example for the Last Glacial Maximum Climate. Journals of the Atmospheric Sciences, 2011, 68, 533-552.	1.7	8

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145	Simulating the mid-Pliocene climate with the MIROC general circulation model: experimental design and initial results. Geoscientific Model Development, 2011, 4, 1035-1049.	3.6	58
146	Dependency of Feedbacks on Forcing and Climate State in Physics Parameter Ensembles. Journal of Climate, 2011, 24, 6440-6455.	3.2	63
147	A short history of the thermomechanical theory and modeling of glaciers and ice sheets. Journal of Glaciology, 2010, 56, 1087-1094.	2.2	6
148	Modelled response of the volume and thickness of the Antarctic ice sheet to the advance of the grounded area. Annals of Glaciology, 2010, 51, 41-48.	1.4	15
149	Results from the Ice-Sheet Model Intercomparison Projectâ€“Heinrich Event Intercomparison (ISMIP) Tj ETQq1 1 0.784314 rgBT /Over	2.2	48
150	Effects of physical changes in the ocean on the atmospheric pCO2: glacial-interglacial cycles. Climate Dynamics, 2010, 35, 713-719.	3.8	7
151	The seaâ€level conundrum: case studies from palaeoâ€archives. Journal of Quaternary Science, 2010, 25, 19-25.	2.1	32
152	Deepwater Formation in the North Pacific During the Last Glacial Termination. Science, 2010, 329, 200-204.	12.6	229
153	Development of a system emulating the global carbon cycle in Earth system models. Geoscientific Model Development, 2010, 3, 365-376.	3.6	18
154	Arctic Oscillation during the Mid-Holocene and Last Glacial Maximum from PMIP2 Coupled Model Simulations. Journal of Climate, 2010, 23, 3792-3813.	3.2	15
155	Promotion of glacial ice sheet buildup 60-115 kyr B.P. by precessionally paced Northern Hemispheric meltwater pulses. Paleoceanography, 2010, 25, n/a-n/a.	3.0	14
156	A Numerical Study on the Atmospheric Circulation over the Midlatitude North Pacific during the Last Glacial Maximum. Journal of Climate, 2010, 23, 135-151.	3.2	25
157	A Comparison of Climate Feedback Strength between CO2 Doubling and LGM Experiments. Journal of Climate, 2009, 22, 3374-3395.	3.2	64
158	The Southern Westerlies during the last glacial maximum in PMIP2 simulations. Climate Dynamics, 2009, 32, 525-548.	3.8	169
159	A comparison of PMIP2 model simulations and the MARGO proxy reconstruction for tropical sea surface temperatures at last glacial maximum. Climate Dynamics, 2009, 32, 799-815.	3.8	126
160	The effect of sea surface temperature bias in the PMIP2 AOGCMs on mid-Holocene Asian monsoon enhancement. Climate Dynamics, 2009, 33, 975-983.	3.8	23
161	Influence of dynamic vegetation on climate change arising from increasing CO2. Climate Dynamics, 2009, 33, 645-663.	3.8	53
162	Vegetation dynamics and plant CO₂ responses as positive feedbacks in a greenhouse world. Geophysical Research Letters, 2009, 36, .	4.0	35

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163	Constraining Carbon Cycle Feedback Using Paleodata: Palaeocarbon Modelling Intercomparison Project Kickoff Workshop; Totnes, United Kingdom, 26â€“28 January 2009. Eos, 2009, 90, 140.	0.1	5
164	A simulation of the global distribution and radiative forcing of soil dust aerosols at the Last Glacial Maximum. Atmospheric Chemistry and Physics, 2009, 9, 3061-3073.	4.9	230
165	PMIP2 Workshop. PAGES News, 2009, 17, 42-43.	0.3	5
166	Millennial time scale changes in surface to intermediate-deep layer circulation recorded insediment cores from the north western North Pacific. The Quaternary Research, 2009, 48, 179-194.	0.1	0
167	Comparison of equilibrium and transient responses to CO2increase in eight state-of-the-art climate models. Tellus, Series A: Dynamic Meteorology and Oceanography, 2008, 60, 946-961.	1.7	25
168	On the definition of seasons in paleoclimate simulations with orbital forcing. Paleoceanography, 2008, 23, .	3.0	51
169	Global-Scale Energy and Freshwater Balance in Glacial Climate: A Comparison of Three PMIP2 LGM Simulations. Journal of Climate, 2008, 21, 5008-5033.	3.2	27
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