

Ayako Abe-Ouchi

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.

249
papers

11,366
citations

54
h-index

100
g-index

317
ext. papers

13,046
ext. citations

6
avg, IF

6.21
L-index

#	Paper	IF	Citations
249	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. <i>Global and Planetary Change</i> , 2022 , 208, 103719	4.2	0
248	Effect of Climatic Precession on Dansgaard-Oeschger-Like Oscillations. <i>Geophysical Research Letters</i> , 2022 , 49,	4.9	0
247	Past terrestrial hydroclimate sensitivity controlled by Earth system feedbacks.. <i>Nature Communications</i> , 2022 , 13, 1306	17.4	4
246	Freshwater influx to the Eastern Mediterranean Sea from the melting of the Fennoscandian ice sheet during the last deglaciation.. <i>Scientific Reports</i> , 2022 , 12, 8466	4.9	0
245	The Onset of a Globally Ice-Covered State for a Land Planet. <i>Journal of Geophysical Research E: Planets</i> , 2021 , 126, e2021JE006975	4.1	1
244	Abrupt climate changes in the last two deglaciations simulated with different Northern ice sheet discharge and insolation. <i>Scientific Reports</i> , 2021 , 11, 22359	4.9	0
243	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
242	Differences Between Present-Day and Cretaceous Hydrological Cycle Responses to Rising CO ₂ Concentration. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094341	4.9	0
241	PMIP4 experiments using MIROC-ES2L Earth system model. <i>Geoscientific Model Development</i> , 2021 , 14, 1195-1217	6.3	8
240	The PMIP4 Last Glacial Maximum experiments: preliminary results and comparison with the PMIP3 simulations. <i>Climate of the Past</i> , 2021 , 17, 1065-1089	3.9	31
239	Projected land ice contributions to twenty-first-century sea level rise. <i>Nature</i> , 2021 , 593, 74-82	50.4	45
238	Antarctic surface temperature and elevation during the Last Glacial Maximum. <i>Science</i> , 2021 , 372, 1097-1101	33.9	10
237	Regional patterns and temporal evolution of ocean iron fertilization and CO ₂ drawdown during the last glacial termination. <i>Earth and Planetary Science Letters</i> , 2021 , 554, 116675	5.3	2
236	Review of the current polar ice sheet surface mass balance and its modelling: the 2020 summer edition. <i>Journal of the Japanese Society of Snow and Ice</i> , 2021 , 83, 27-50	0.1	
235	PMIP4/CMIP6 last interglacial simulations using three different versions of MIROC: importance of vegetation. <i>Climate of the Past</i> , 2021 , 17, 21-36	3.9	6
234	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
233	Impact of mid-glacial ice sheets on deep ocean circulation and global climate. <i>Climate of the Past</i> , 2021 , 17, 95-110	3.9	1

232	Mid-Pliocene Atlantic Meridional Overturning Circulation simulated in PlioMIP2. <i>Climate of the Past</i> , 2021 , 17, 529-543	3.9	11
231	Past abrupt changes, tipping points and cascading impacts in the Earth system. <i>Nature Geoscience</i> , 2021 , 14, 550-558	18.3	13
230	Glacial carbon cycle changes by Southern Ocean processes with sedimentary amplification. <i>Science Advances</i> , 2021 , 7,	14.3	1
229	Antarctic Slope Current Modulates Ocean Heat Intrusions Towards Totten Glacier. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL094149	4.9	3
228	Glacial mode shift of the Atlantic meridional overturning circulation by warming over the Southern Ocean. <i>Communications Earth & Environment</i> , 2021 , 2,	6.1	3
227	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
226	Future Sea Level Change Under Coupled Model Intercomparison Project Phase 5 and Phase 6 Scenarios From the Greenland and Antarctic Ice Sheets. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL091747	4.9	7
225	A First Intercomparison of the Simulated LGM Carbon Results Within PMIP-Carbon: Role of the Ocean Boundary Conditions. <i>Paleoceanography and Paleoclimatology</i> , 2021 , 36, e2021PA004302	3.3	0
224	Does a difference in ice sheets between Marine Isotope Stages 3 and 5a affect the duration of stadials? Implications from hosing experiments. <i>Climate of the Past</i> , 2021 , 17, 1919-1936	3.9	1
223	A multi-model CMIP6-PMIP4 study of Arctic sea ice at 127 ka: sea ice data compilation and model differences. <i>Climate of the Past</i> , 2021 , 17, 37-62	3.9	12
222	Large-scale features of Last Interglacial climate: results from evaluating the <i>127k</i> simulations for the Coupled Model Intercomparison Project (CMIP6) Paleoclimate Modeling Intercomparison Project (PMIP4). <i>Climate of the Past</i> , 2021 , 17, 63-94	3.9	28
221	Surface Mass Balance Controlled by Local Surface Slope in Inland Antarctica: Implications for Ice-Sheet Mass Balance and Oldest Ice Delineation in Dome Fuji. <i>Geophysical Research Letters</i> , 2021 , 48,	4.9	0
220	Compositions of Dust and Sea Salts in the Dome C and Dome Fuji Ice Cores From Last Glacial Maximum to Early Holocene Based on Ice-Sublimation and Single-Particle Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD032208	4.4	4
219	Roles of Sea Ice Surface Wind Feedback in Maintaining the Glacial Atlantic Meridional Overturning Circulation and Climate. <i>Journal of Climate</i> , 2020 , 33, 3001-3018	4.4	10
218	Implementation of the RCIP scheme and its performance for 1-D age computations in ice-sheet models. <i>Geoscientific Model Development</i> , 2020 , 13, 5875-5896	6.3	
217	Pliocene Model Intercomparison Project (PlioMIP2) simulations using the Model for Interdisciplinary Research on Climate (MIROC4m). <i>Climate of the Past</i> , 2020 , 16, 1523-1545	3.9	11
216	Lessons from a high-CO ₂ world: an ocean view from ~ 3 million years ago. <i>Climate of the Past</i> , 2020 , 16, 1599-1615	3.9	23
215	Comparison of past and future simulations of ENSO in CMIP5/PMIP3 and CMIP6/PMIP4 models. <i>Climate of the Past</i> , 2020 , 16, 1777-1805	3.9	16

214	Large-scale features and evaluation of the PMIP4-CMIP6 <i>midHolocene&/i> simulations. <i>Climate of the Past</i> , 2020 , 16, 1847-1872	3.9	37
213	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
212	Evaluation of Arctic warming in mid-Pliocene climate simulations. <i>Climate of the Past</i> , 2020 , 16, 2325-2341	3.9	8
211	Experimental protocol for sea level projections from ISMIP6 stand-alone ice sheet models. <i>Cryosphere</i> , 2020 , 14, 2331-2368	5.5	32
210	ISMIP6 Antarctica: a multi-model ensemble of the Antarctic ice sheet evolution over the 21st century. <i>Cryosphere</i> , 2020 , 14, 3033-3070	5.5	71
209	The future sea-level contribution of the Greenland ice sheet: a multi-model ensemble study of ISMIP6. <i>Cryosphere</i> , 2020 , 14, 3071-3096	5.5	62
208	Equilibrium Climate Sensitivity Estimated by Equilibrating Climate Models. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL083898	4.9	53
207	Drier tropical and subtropical Southern Hemisphere in the mid-Pliocene Warm Period. <i>Scientific Reports</i> , 2020 , 10, 13458	4.9	8
206	Inner Edge of Habitable Zones for Earth-Sized Planets With Various Surface Water Distributions. <i>Journal of Geophysical Research E: Planets</i> , 2019 , 124, 2306-2324	4.1	8
205	LongRunMIP: Motivation and Design for a Large Collection of Millennial-Length AOGCM Simulations. <i>Bulletin of the American Meteorological Society</i> , 2019 , 100, 2551-2570	6.1	42
204	The penultimate deglaciation: protocol for Paleoclimate Modelling Intercomparison Project (PMIP) phase 4 transient numerical simulations between 140 and 127 ka, version 1.0. <i>Geoscientific Model Development</i> , 2019 , 12, 3649-3685	6.3	16
203	initMIP-Antarctica: an ice sheet model initialization experiment of ISMIP6. <i>Cryosphere</i> , 2019 , 13, 1441-1451	5.5	47
202	Glacial CO ₂ decrease and deep-water deoxygenation by iron fertilization from glaciogenic dust. <i>Climate of the Past</i> , 2019 , 15, 981-996	3.9	25
201	Abrupt Bølling-Allerød Warming Simulated under Gradual Forcing of the Last Deglaciation. <i>Geophysical Research Letters</i> , 2019 , 46, 11397-11405	4.9	28
200	A Prototype Ultra-Wideband FMCW Radar for Snow and Soil-Moisture Measurements 2019 ,		3
199	Indian Monsoonal Variations During the Past 80Kyr Recorded in NGHP-02 Hole 19B, Western Bay of Bengal: Implications From Chemical and Mineral Properties. <i>Geochemistry, Geophysics, Geosystems</i> , 2019 , 20, 148-165	3.6	7
198	Design and results of the ice sheet model initialisation experiments initMIP-Greenland: an ISMIP6 intercomparison. <i>Cryosphere</i> , 2019 , 12, 1433-1460	5.5	67
197	Asynchrony between Antarctic temperature and CO associated with obliquity over the past 720,000 years. <i>Nature Communications</i> , 2018 , 9, 961	17.4	34

196	Dependence of the Onset of the Runaway Greenhouse Effect on the Latitudinal Surface Water Distribution of Earth-Like Planets. <i>Journal of Geophysical Research E: Planets</i> , 2018 , 123, 559-574	4.1	17
195	The Importance of Ocean Dynamical Feedback for Understanding the Impact of MidHigh-Latitude Warming on Tropical Precipitation Change. <i>Journal of Climate</i> , 2018 , 31, 2417-2434	4.4	6
194	Ecological Niche and Least-Cost Path Analyses to Estimate Optimal Migration Routes of Initial Upper Palaeolithic Populations to Eurasia 2018 , 199-212		2
193	Influence of glacial ice sheets on the Atlantic meridional overturning circulation through surface wind change. <i>Climate Dynamics</i> , 2018 , 50, 2881-2903	4.2	31
192	Effect of high dust amount on surface temperature during the Last Glacial Maximum: a modelling study using MIROC-ESM. <i>Climate of the Past</i> , 2018 , 14, 1565-1581	3.9	14
191	Long-term response of oceanic carbon uptake to global warming via physical and biological pumps. <i>Biogeosciences</i> , 2018 , 15, 4163-4180	4.6	12
190	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
189	Responses of Basal Melting of Antarctic Ice Shelves to the Climatic Forcing of the Last Glacial Maximum and CO2 Doubling. <i>Journal of Climate</i> , 2017 , 30, 3473-3497	4.4	16
188	State dependence of climatic instability over the past 720,000 years from Antarctic ice cores and climate modeling. <i>Science Advances</i> , 2017 , 3, e1600446	14.3	56
187	Impact of Arctic Wetlands on the Climate System: Model Sensitivity Simulations with the MIROC5 AGCM and a Snow-Fed Wetland Scheme. <i>Journal of Hydrometeorology</i> , 2017 , 18, 2923-2936	3.7	14
186	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
185	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
184	The role of atmospheric heat transport and regional feedbacks in the Arctic warming at equilibrium. <i>Climate Dynamics</i> , 2017 , 49, 3457-3472	4.2	32
183	Overestimate of committed warming. <i>Nature</i> , 2017 , 547, E16-E17	50.4	6
182	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
181	Ice Sheet Model Intercomparison Project (ISMIP6) contribution to CMIP6 2016 ,		5
180	Fate of the Atlantic Meridional Overturning Circulation: Strong decline under continued warming and Greenland melting. <i>Geophysical Research Letters</i> , 2016 , 43, 12,252-12,260	4.9	85
179	A review of progress towards understanding the transient global mean surface temperature response to radiative perturbation. <i>Progress in Earth and Planetary Science</i> , 2016 , 3,	3.9	19

178	Surface Arctic Amplification Factors in CMIP5 Models: Land and Oceanic Surfaces and Seasonality. <i>Journal of Climate</i> , 2016 , 29, 3297-3316	4.4	30
177	SeaRISE experiments revisited: potential sources of spread in multi-model projections of the Greenland ice sheet. <i>Cryosphere</i> , 2016 , 10, 43-63	5.5	10
176	The PMIP4 contribution to CMIP6 [Part 2: Two Interglacials, Scientific Objective and Experimental Design for Holocene and Last Interglacial Simulations 2016 ,		7
175	Arctic sea ice simulation in the PlioMIP ensemble. <i>Climate of the Past</i> , 2016 , 12, 749-767	3.9	15
174	Climate dependent contrast in surface mass balance in East Antarctica over the past 216 ka. <i>Journal of Glaciology</i> , 2016 , 62, 1037-1048	3.4	4
173	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
172	PMIP4-CMIP6: the contribution of the Paleoclimate Modelling Intercomparison Project to CMIP6 2016 ,		17
171	Ice Sheet Model Intercomparison Project (ISMIP6) contribution to CMIP6. <i>Geoscientific Model Development</i> , 2016 , 9, 4521-4545	6.3	139
170	Intensification of tropical Pacific biological productivity due to volcanic eruptions. <i>Geophysical Research Letters</i> , 2016 , 43, 1184-1192	4.9	16
169	Interglacials of the last 800,000 years. <i>Reviews of Geophysics</i> , 2016 , 54, 162-219	23.1	243
168	Exposure age and ice-sheet model constraints on Pliocene East Antarctic ice sheet dynamics. <i>Nature Communications</i> , 2015 , 6, 7016	17.4	39
167	Effects of the Bering Strait closure on AMOC and global climate under different background climates. <i>Progress in Oceanography</i> , 2015 , 132, 174-196	3.8	49
166	Role of Southern Ocean stratification in glacial atmospheric CO2 reduction evaluated by a three-dimensional ocean general circulation model. <i>Paleoceanography</i> , 2015 , 30, 1202-1216		21
165	Global deep ocean oxygenation by enhanced ventilation in the Southern Ocean under long-term global warming. <i>Global Biogeochemical Cycles</i> , 2015 , 29, 1801-1815	5.9	38
164	Modelling the Antarctic marine cryosphere at the Last Glacial Maximum. <i>Annals of Glaciology</i> , 2015 , 56, 425-435	2.5	16
163	A SENSITIVITY STUDY OF A SIMPLE WETLAND SCHEME FOR IMPROVEMENTS IN THE REPRESENTATION OF SURFACE HYDROLOGY AND DECREASE OF SURFACE AIR TEMPERATURE BIAS. <i>Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering)</i> , 2015 , 71, I_955-I_960	0.1	2
162	Simulating the Antarctic ice sheet in the late-Pliocene warm period: PLISMIP-ANT, an ice-sheet model intercomparison project. <i>Cryosphere</i> , 2015 , 9, 881-903	5.5	54
161	Ice-sheet configuration in the CMIP5/PMIP3 Last Glacial Maximum experiments. <i>Geoscientific Model Development</i> , 2015 , 8, 3621-3637	6.3	68

160	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
159	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
158	Representing Variability in Subgrid Snow Cover and Snow Depth in a Global Land Model: Offline Validation. <i>Journal of Climate</i> , 2014 , 27, 3318-3330	4.4	40
157	Deglacial ice sheet meltdown: orbital pacemaking and CO ₂ effects. <i>Climate of the Past</i> , 2014 , 10, 1567-1579	3.9	31
156	Evaluating the dominant components of warming in Pliocene climate simulations. <i>Climate of the Past</i> , 2014 , 10, 79-90	3.9	47
155	Ocean oxygen depletion due to decomposition of submarine methane hydrate. <i>Geophysical Research Letters</i> , 2014 , 41, 5075-5083	4.9	20
154	Robust Seasonality of Arctic Warming Processes in Two Different Versions of the MIROC GCM. <i>Journal of Climate</i> , 2014 , 27, 6358-6375	4.4	21
153	Modeling Obliquity and CO ₂ Effects on Southern Hemisphere Climate during the Past 408 ka*. <i>Journal of Climate</i> , 2014 , 27, 1863-1875	4.4	36
152	Relative contribution of feedback processes to Arctic amplification of temperature change in MIROC GCM. <i>Climate Dynamics</i> , 2014 , 42, 1613-1630	4.2	25
151	Insolation-driven 100,000-year glacial cycles and hysteresis of ice-sheet volume. <i>Nature</i> , 2013 , 500, 190-30.4	5.4	240
150	Challenges in quantifying Pliocene terrestrial warming revealed by data-model discord. <i>Nature Climate Change</i> , 2013 , 3, 969-974	21.4	110
149	Skill and reliability of climate model ensembles at the Last Glacial Maximum and mid-Holocene. <i>Climate of the Past</i> , 2013 , 9, 811-823	3.9	58
148	Insights into spatial sensitivities of ice mass response to environmental change from the SeaRISE ice sheet modeling project I: Antarctica. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013 , 118, 1002-1024	3.8	56
147	The role of mineral-dust aerosols in polar temperature amplification. <i>Nature Climate Change</i> , 2013 , 3, 487-491	21.4	54
146	Climatic impacts of fresh water hosing under Last Glacial Maximum conditions: a multi-model study. <i>Climate of the Past</i> , 2013 , 9, 935-953	3.9	132
145	Sea surface temperature of the mid-Piacenzian ocean: a data-model comparison. <i>Scientific Reports</i> , 2013 , 3, 2013	4.9	108
144	Insights into spatial sensitivities of ice mass response to environmental change from the SeaRISE ice sheet modeling project II: Greenland. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013 , 118, 1025-1044	3.8	73
143	Ice-sheet model sensitivities to environmental forcing and their use in projecting future sea level (the SeaRISE project). <i>Journal of Glaciology</i> , 2013 , 59, 195-224	3.4	195

142	Influence of dynamic vegetation on climate change and terrestrial carbon storage in the Last Glacial Maximum. <i>Climate of the Past</i> , 2013 , 9, 1571-1587	3.9	16
141	Mid-Pliocene East Asian monsoon climate simulated in the PlioMIP. <i>Climate of the Past</i> , 2013 , 9, 2085-2099	3.9	49
140	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
139	Can an Earth System Model simulate better climate change at mid-Holocene than an AOGCM? A comparison study of MIROC-ESM and MIROC3. <i>Climate of the Past</i> , 2013 , 9, 1519-1542	3.9	7
138	Historical and idealized climate model experiments: an intercomparison of Earth system models of intermediate complexity. <i>Climate of the Past</i> , 2013 , 9, 1111-1140	3.9	127
137	A multi-model assessment of last interglacial temperatures. <i>Climate of the Past</i> , 2013 , 9, 699-717	3.9	120
136	Set-up of the PMIP3 paleoclimate experiments conducted using an Earth system model, MIROC-ESM. <i>Geoscientific Model Development</i> , 2013 , 6, 819-836	6.3	63
135	Mid-pliocene Atlantic Meridional Overturning Circulation not unlike modern. <i>Climate of the Past</i> , 2013 , 9, 1495-1504	3.9	48
134	Can the Last Glacial Maximum constrain climate sensitivity?. <i>Geophysical Research Letters</i> , 2012 , 39,	4.9	63
133	Perturbed physics ensemble using the MIROC5 coupled atmosphere-ocean GCM without flux corrections: experimental design and results. <i>Climate Dynamics</i> , 2012 , 39, 3041-3056	4.2	45
132	Detecting regional anthropogenic trends in ocean acidification against natural variability. <i>Nature Climate Change</i> , 2012 , 2, 167-171	21.4	66
131	Assessing confidence in Pliocene sea surface temperatures to evaluate predictive models. <i>Nature Climate Change</i> , 2012 , 2, 365-371	21.4	144
130	Removing the North Pacific halocline: Effects on global climate, ocean circulation and the carbon cycle. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012 , 61-64, 106-113	2.3	30
129	Variability in North Pacific intermediate and deep water ventilation during Heinrich events in two coupled climate models. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012 , 61-64, 114-126	2.3	55
128	Sea surface temperature changes in the Okhotsk Sea and adjacent North Pacific during the last glacial maximum and deglaciation. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2012 , 61-64, 93-105	2.3	34
127	The Pacific-Atlantic seesaw and the Bering Strait. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	27
126	Stability of weather regimes during the last millennium from climate simulations. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	15
125	Temperature-induced marine export production during glacial period. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	10

124	Quantifying the ocean's role in glacial CO ₂ reductions. <i>Climate of the Past</i> , 2012 , 8, 545-563	3.9	28
123	Evaluation of climate models using palaeoclimatic data. <i>Nature Climate Change</i> , 2012 , 2, 417-424	21.4	654
122	The thermal threshold of the Atlantic meridional overturning circulation and its control by wind stress forcing during glacial climate. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	48
121	Sources of Spread in Multimodel Projections of the Greenland Ice Sheet Surface Mass Balance. <i>Journal of Climate</i> , 2012 , 25, 1157-1175	4.4	26
120	Setup of the PMIP3 paleoclimate experiments conducted using an Earth System Model, MIROC-ESM 2012 ,		1
119	Role of the Bering Strait on the hysteresis of the ocean conveyor belt circulation and glacial climate stability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 6417-22	11.5	61
118	Sources of multi-decadal variability in Arctic sea ice extent. <i>Environmental Research Letters</i> , 2012 , 7, 034011	0.1	103
117	Mid-Holocene palaeoceanography of the northern South China Sea using coupled fossil-modern coral and atmosphere-ocean GCM model. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	34
116	Comparing structurally different climate models in a paleoenvironmental context. <i>Eos</i> , 2011 , 92, 180-180.5	0.5	1
115	Polar amplification in the mid-Holocene derived from dynamical vegetation change with a GCM. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	27
114	Habitable zone limits for dry planets. <i>Astrobiology</i> , 2011 , 11, 443-60	3.7	196
113	Mechanisms controlling export production at the LGM: Effects of changes in oceanic physical fields and atmospheric dust deposition. <i>Global Biogeochemical Cycles</i> , 2011 , 25, n/a-n/a	5.9	37
112	Using synoptic type analysis to understand New Zealand climate during the Mid-Holocene. <i>Climate of the Past</i> , 2011 , 7, 1189-1207	3.9	16
111	Are paleoclimate model ensembles consistent with the MARGO data synthesis?. <i>Climate of the Past</i> , 2011 , 7, 917-933	3.9	34
110	Initial results of the SeaRISE numerical experiments with the models SICOPOLIS and IcIES for the Greenland ice sheet. <i>Annals of Glaciology</i> , 2011 , 52, 23-30	2.5	67
109	Present State and Prospects of Ice Sheet and Glacier Modelling. <i>Surveys in Geophysics</i> , 2011 , 32, 555-583	7.6	22
108	Role of the ocean in controlling atmospheric CO ₂ concentration in the course of global glaciations. <i>Climate Dynamics</i> , 2011 , 37, 1755-1770	4.2	15
107	Atmospheric Local Energetics and Energy Interactions between Mean and Eddy Fields. Part II: An Example for the Last Glacial Maximum Climate. <i>Journals of the Atmospheric Sciences</i> , 2011 , 68, 533-552	2.1	8

106	Simulating the mid-Pliocene climate with the MIROC general circulation model: experimental design and initial results. <i>Geoscientific Model Development</i> , 2011 , 4, 1035-1049	6.3	50
105	Dependency of Feedbacks on Forcing and Climate State in Physics Parameter Ensembles. <i>Journal of Climate</i> , 2011 , 24, 6440-6455	4.4	54
104	Simulating the mid-Pliocene climate with the MIROC general circulation model: experimental design and initial results 2011 ,		1
103	Present State and Prospects of Ice Sheet and Glacier Modelling. <i>Space Sciences Series of ISSI</i> , 2011 , 555-583		2
102	Deepwater formation in the North Pacific during the Last Glacial Termination. <i>Science</i> , 2010 , 329, 200-4	33.3	202
101	Development of a system emulating the global carbon cycle in Earth system models. <i>Geoscientific Model Development</i> , 2010 , 3, 365-376	6.3	16
100	Arctic Oscillation during the Mid-Holocene and Last Glacial Maximum from PMIP2 Coupled Model Simulations. <i>Journal of Climate</i> , 2010 , 23, 3792-3813	4.4	13
99	Promotion of glacial ice sheet buildup 60–15 kyr B.P. by precessionally paced Northern Hemispheric meltwater pulses. <i>Paleoceanography</i> , 2010 , 25, n/a-n/a		11
98	A Numerical Study on the Atmospheric Circulation over the Midlatitude North Pacific during the Last Glacial Maximum. <i>Journal of Climate</i> , 2010 , 23, 135-151	4.4	23
97	A short history of the thermomechanical theory and modeling of glaciers and ice sheets. <i>Journal of Glaciology</i> , 2010 , 56, 1087-1094	3.4	4
96	Modelled response of the volume and thickness of the Antarctic ice sheet to the advance of the grounded area. <i>Annals of Glaciology</i> , 2010 , 51, 41-48	2.5	14
95	Results from the Ice-Sheet Model Intercomparison Project–Heinrich Event Intercomparison (ISMIP HEINO). <i>Journal of Glaciology</i> , 2010 , 56, 371-383	3.4	41
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35	Large-scale features and evaluation of the PMIP4-CMIP6 <i>midHolocene&/i> simulations		4

34	The PMIP4-CMIP6 Last Glacial Maximum experiments: preliminary results and comparison with the PMIP3-CMIP5 simulations	8
33	PMIP4/CMIP6 Last Interglacial simulations using different versions of MIROC, with and without vegetation feedback	2
32	Large-scale features of Last Interglacial climate: Results from evaluating the <i>CCSM2.3.2.1.1</i> simulations for CMIP6-PMIP4	4
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30	Arctic sea ice in the PlioMIP ensemble: is model performance for modern climates a reliable guide to performance for the past or the future?	2
29	Pliocene Model Intercomparison (PlioMIP) Phase 2: scientific objectives and experimental design	5
28	Coupled simulations of the mid-Holocene and Last Glacial Maximum: new results from PMIP2	8
27	Climatic conditions for modelling the Northern Hemisphere ice sheets throughout the ice age cycle	2
26	Glacial marine carbon cycle sensitivities to Atlantic ocean circulation reorganization by coupled climate model simulations	1
25	Using synoptic type analysis to understand New Zealand climate during the Mid-Holocene	4
24	Are paleoclimate model ensembles consistent with the MARGO data synthesis?	1
23	Large-scale features of Pliocene climate: results from the Pliocene Model Intercomparison Project	7
22	Supplementary material to "Large-scale features of Pliocene climate: results from the Pliocene Model Intercomparison Project";	5
21	Climate and African precipitation changes in the mid-Holocene simulated using an Earth System Model MIROC-ESM	2
20	Skill and reliability of climate model ensembles at the Last Glacial Maximum and mid Holocene	2
19	A multi-model assessment of last interglacial temperatures	4
18	Climatic impacts of fresh water hosing under Last Glacial Maximum conditions: a multi-model study	4
17	Historical and idealized climate model experiments: an EMIC intercomparison	10

16	Influence of dynamic vegetation on climate change and terrestrial carbon storage in the Last Glacial Maximum	2
15	East Asian monsoon climate simulated in the PlioMIP	2
14	Mid-pliocene Atlantic meridional overturning circulation not unlike modern?	3
13	PMIP4 experiments using MIROC-ES2L Earth System Model	4
12	Development of a system emulating the global carbon cycle in Earth system models	1
11	Ice-sheet configuration in the CMIP5/PMIP3 Last Glacial Maximum experiments	8
10	Design and results of the ice sheet model initialisation experiments initMIP-Greenland: an ISMIP6 intercomparison	
9	The future sea-level contribution of the Greenland ice sheet: a multi-model ensemble study of ISMIP6	4
8	Experimental protocol for sealevel projections from ISMIP6 standalone ice sheet models	3
7	ISMIP6 Antarctica: a multi-model ensemble of the Antarctic ice sheet evolution over the 21 st century	5
6	Simulating the Antarctic ice sheet in the Late-Pliocene warm period: PLISMIP-ANT, an ice-sheet model intercomparison project	2
5	The LGM surface climate and atmospheric circulation over East Asia and the North Pacific in the PMIP2 coupled model simulations	2
4	Using results from the PlioMIP ensemble to investigate the Greenland Ice Sheet during the warm Pliocene	2
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