

Masa Kageyama

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

7,360
citations

136950

32
h-index

118850

62
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63
docs citations

63
times ranked

9443
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate change projections using the IPSL-CM5 Earth System Model: from CMIP3 to CMIP5. <i>Climate Dynamics</i> , 2013, 40, 2123-2165.	3.8	1,425
2	Results of PMIP2 coupled simulations of the Mid-Holocene and Last Glacial Maximum “ Part 1: experiments and large-scale features. <i>Climate of the Past</i> , 2007, 3, 261-277.	3.4	1,089
3	Evaluation of climate models using palaeoclimatic data. <i>Nature Climate Change</i> , 2012, 2, 417-424.	18.8	779
4	Clouds, circulation and climate sensitivity. <i>Nature Geoscience</i> , 2015, 8, 261-268.	12.9	647
5	Results of PMIP2 coupled simulations of the Mid-Holocene and Last Glacial Maximum “ Part 2: feedbacks with emphasis on the location of the ITCZ and mid- and high latitudes heat budget. <i>Climate of the Past</i> , 2007, 3, 279-296.	3.4	349
6	Imprints of glacial refugia in the modern genetic diversity of <i>Pinus sylvestris</i> . <i>Global Ecology and Biogeography</i> , 2006, 15, 271-282.	5.8	218
7	Evaluation of CMIP5 palaeo-simulations to improve climate projections. <i>Nature Climate Change</i> , 2015, 5, 735-743.	18.8	198
8	Using palaeo-climate comparisons to constrain future projections in CMIP5. <i>Climate of the Past</i> , 2014, 10, 221-250.	3.4	193
9	Neanderthal Extinction by Competitive Exclusion. <i>PLoS ONE</i> , 2008, 3, e3972.	2.5	176
10	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.	3.4	146
11	The key role of topography in altering North Atlantic atmospheric circulation during the last glacial period. <i>Climate of the Past</i> , 2011, 7, 1089-1101.	3.4	118
12	Modelling glacial climatic millennial-scale variability related to changes in the Atlantic meridional overturning circulation: a review. <i>Quaternary Science Reviews</i> , 2010, 29, 2931-2956.	3.0	107
13	Past temperature reconstructions from deep ice cores: relevance for future climate change. <i>Climate of the Past</i> , 2006, 2, 145-165.	3.4	95
14	Ice-sheet configuration in the CMIP5/PMIP3 Last Glacial Maximum experiments. <i>Geoscientific Model Development</i> , 2015, 8, 3621-3637.	3.6	95
15	Numerical reconstructions of the Northern Hemisphere ice sheets through the last glacial-interglacial cycle. <i>Climate of the Past</i> , 2007, 3, 15-37.	3.4	93
16	Quantifying the roles of ocean circulation and biogeochemistry in governing ocean carbon-13 and atmospheric carbon dioxide at the last glacial maximum. <i>Climate of the Past</i> , 2009, 5, 695-706.	3.4	91
17	Mid-Holocene and Last Glacial Maximum climate simulations with the IPSL model“part I: comparing IPSL_CM5A to IPSL_CM4. <i>Climate Dynamics</i> , 2013, 40, 2447-2468.	3.8	88
18	How cold was Europe at the Last Glacial Maximum? A synthesis of the progress achieved since the first PMIP model-data comparison. <i>Climate of the Past</i> , 2007, 3, 331-339.	3.4	79

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19	Investigating the evolution of major Northern Hemisphere ice sheets during the last glacial-interglacial cycle. <i>Climate of the Past</i> , 2009, 5, 329-345.	3.4	79
20	Glacial fluctuations of the Indian monsoon and their relationship with North Atlantic climate: new data and modelling experiments. <i>Climate of the Past</i> , 2013, 9, 2135-2151.	3.4	78
21	Glacial climate sensitivity to different states of the Atlantic Meridional Overturning Circulation: results from the IPSL model. <i>Climate of the Past</i> , 2009, 5, 551-570.	3.4	70
22	Southern westerlies in LGM and future (RCP4.5) climates. <i>Climate of the Past</i> , 2013, 9, 517-524.	3.4	64
23	Antarctic surface temperature and elevation during the Last Glacial Maximum. <i>Science</i> , 2021, 372, 1097-1101.	12.6	61
24	Sensitivity of interglacial Greenland temperature and $\delta^{18}O$ ice core data, orbital and increased CO_2 ; climate simulations. <i>Climate of the Past</i> , 2011, 7, 1041-1059.	3.4	59
25	Impact of CO_2 and climate on the Last Glacial Maximum vegetation: results from the ORCHIDEE/IPSL models. <i>Climate of the Past</i> , 2011, 7, 557-577.	3.4	58
26	The Last Glacial Maximum and Heinrich Event 1 in terms of climate and vegetation around the Alboran Sea: a preliminary model-data comparison. <i>Comptes Rendus - Geoscience</i> , 2005, 337, 983-992.	1.2	54
27	Mid-Holocene and last glacial maximum climate simulations with the IPSL model: part II: model-data comparisons. <i>Climate Dynamics</i> , 2013, 40, 2469-2495.	3.8	53
28	Exploring the impact of climate variability during the Last Glacial Maximum on the pattern of human occupation of Iberia. <i>Journal of Human Evolution</i> , 2014, 73, 35-46.	2.6	51
29	Modeling dust emission response to North Atlantic millennial-scale climate variations from the perspective of East European MIS 3 loess deposits. <i>Climate of the Past</i> , 2013, 9, 1385-1402.	3.4	46
30	What drives LGM precipitation over the western Mediterranean? A study focused on the Iberian Peninsula and northern Morocco. <i>Climate Dynamics</i> , 2016, 46, 2611-2631.	3.8	43
31	Regional imprints of millennial variability during the MIS 3 period around Antarctica. <i>Quaternary Science Reviews</i> , 2012, 48, 99-112.	3.0	40
32	European glacial dust deposits: Geochemical constraints on atmospheric dust cycle modeling. <i>Geophysical Research Letters</i> , 2014, 41, 7666-7674.	4.0	38
33	Sensitivity of a Greenland ice sheet model to atmospheric forcing fields. <i>Cryosphere</i> , 2012, 6, 999-1018.	3.9	37
34	Improving the dynamics of Northern Hemisphere high-latitude vegetation in the ORCHIDEE ecosystem model. <i>Geoscientific Model Development</i> , 2015, 8, 2263-2283.	3.6	36
35	The concept of global monsoon applied to the last glacial maximum: A multi-model analysis. <i>Quaternary Science Reviews</i> , 2015, 126, 126-139.	3.0	32
36	The depression of tropical snowlines at the last glacial maximum: What can we learn from climate model experiments?. <i>Quaternary International</i> , 2005, 138-139, 202-219.	1.5	30

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37	A modeling sensitivity study of the influence of the Atlantic meridional overturning circulation on neodymium isotopic composition at the Last Glacial Maximum. <i>Climate of the Past</i> , 2008, 4, 191-203.	3.4	30
38	Relative impacts of insolation changes, meltwater fluxes and ice sheets on African and Asian monsoons during the Holocene. <i>Climate Dynamics</i> , 2013, 41, 2267-2286.	3.8	29
39	Influence of ablation-related processes in the build-up of simulated Northern Hemisphere ice sheets during the last glacial cycle. <i>Cryosphere</i> , 2013, 7, 681-698.	3.9	28
40	Marine productivity response to Heinrich events: a model-data comparison. <i>Climate of the Past</i> , 2012, 8, 1581-1598.	3.4	27
41	Impact of oceanic processes on the carbon cycle during the last termination. <i>Climate of the Past</i> , 2012, 8, 149-170.	3.4	26
42	Long-term hydrodynamic response induced by past climatic and geomorphologic forcing: The case of the Paris basin, France. <i>Physics and Chemistry of the Earth</i> , 2007, 32, 368-378.	2.9	25
43	Shortwave forcing and feedbacks in Last Glacial Maximum and Mid-Holocene PMIP3 simulations. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140424.	3.4	25
44	Interdependence of the growth of the Northern Hemisphere ice sheets during the last glaciation: the role of atmospheric circulation. <i>Climate of the Past</i> , 2014, 10, 345-358.	3.4	23
45	High resolution climate and vegetation simulations of the Late Pliocene, a model-data comparison over western Europe and the Mediterranean region. <i>Climate of the Past</i> , 2009, 5, 585-606.	3.4	22
46	Warm Nordic Seas delayed glacial inception in Scandinavia. <i>Climate of the Past</i> , 2010, 6, 817-826.	3.4	20
47	Assessment of sea surface temperature changes in the Gulf of Cadiz during the last 30 ka: implications for glacial changes in the regional hydrography. <i>Biogeosciences</i> , 2011, 8, 2295-2316.	3.3	20
48	Teleconnection between the Intertropical Convergence Zone and southern westerly winds throughout the last deglaciation. <i>Geology</i> , 2015, 43, 735-738.	4.4	19
49	Comparing past accumulation rate reconstructions in East Antarctic ice cores using $\delta^{10}\text{Be}$, water isotopes and CMIP5-PMIP3 models. <i>Climate of the Past</i> , 2015, 11, 355-367.	3.4	19
50	Impact of precession on the climate, vegetation and fire activity in southern Africa during MIS4. <i>Climate of the Past</i> , 2014, 10, 1165-1182.	3.4	18
51	How might the North American ice sheet influence the northwestern Eurasian climate?. <i>Climate of the Past</i> , 2015, 11, 1467-1490.	3.4	17
52	Response of methane emissions from wetlands to the Last Glacial Maximum and an idealized Dansgaard-Oeschger climate event: insights from two models of different complexity. <i>Climate of the Past</i> , 2013, 9, 149-171.	3.4	16
53	Simulating the vegetation response in western Europe to abrupt climate changes under glacial background conditions. <i>Biogeosciences</i> , 2013, 10, 1561-1582.	3.3	16
54	Bi-hemispheric forcing for Indo-Asian monsoon during glacial terminations. <i>Quaternary Science Reviews</i> , 2013, 59, 1-4.	3.0	14

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55	Quantifying molecular oxygen isotope variations during a Heinrich stadial. <i>Climate of the Past</i> , 2015, 11, 1527-1551.	3.4	13
56	Impact of the ocean diurnal cycle on the North Atlantic mean sea surface temperatures in a regionally coupled model. <i>Dynamics of Atmospheres and Oceans</i> , 2013, 60, 28-45.	1.8	10
57	The last termination in the central South Atlantic. <i>Quaternary Science Reviews</i> , 2015, 123, 193-214.	3.0	7
58	Modelling snow accumulation on Greenland in Eemian, glacial inception, and modern climates in a GCM. <i>Climate of the Past</i> , 2012, 8, 1801-1819.	3.4	6
59	Dansgaardâ€™s Oeschger events: an oscillation of the climate-ice-sheet system?. <i>Comptes Rendus - Geoscience</i> , 2005, 337, 993-1000.	1.2	5
60	Insolation and sea level variations during Quaternary interglacial periods: A review of recent results with special emphasis on the last interglaciation. <i>Comptes Rendus - Geoscience</i> , 2008, 340, 701-710.	1.2	5
61	Impact of solar forcing on the surface mass balance of northern ice sheets for glacial conditions. <i>Earth and Planetary Science Letters</i> , 2012, 335-336, 18-24.	4.4	3
62	Investigating relationships between technological variability and ecology in the Middle Gravettian (ca. 32â€™28 ky cal. BP) in France. <i>Quaternary Science Reviews</i> , 2021, 253, 106766.	3.0	2
63	Corrigendum to "Influence of ablation-related processes in the build-up of simulated Northern Hemisphere ice sheets during the last glacial cycle" published in <i>The Cryosphere</i> , 7, 681â€™698, 2013. <i>Cryosphere</i> , 2013, 7, 933-934.	3.9	0