

Didier Swingedouw

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

6,707
citations

76294

40
h-index

69214

77
g-index

148
all docs

148
docs citations

148
times ranked

8734
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.	1.7	1,425
2	Presentation and Evaluation of the IPSL-CM6A-ER Climate Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002010.	1.3	541
3	A model-tested North Atlantic Oscillation reconstruction for the past millennium. <i>Nature</i> , 2015, 523, 71-74.	13.7	255
4	Assessing recent trends in high-latitude Southern Hemisphere surface climate. <i>Nature Climate Change</i> , 2016, 6, 917-926.	8.1	253
5	Key features of the IPSL ocean atmosphere model and its sensitivity to atmospheric resolution. <i>Climate Dynamics</i> , 2010, 34, 1-26.	1.7	235
6	Catalogue of abrupt shifts in Intergovernmental Panel on Climate Change climate models. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5777-86.	3.3	182
7	North Atlantic climate far more predictable than models imply. <i>Nature</i> , 2020, 583, 796-800.	13.7	158
8	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.	1.3	146
9	Fate of the Atlantic Meridional Overturning Circulation: Strong decline under continued warming and Greenland melting. <i>Geophysical Research Letters</i> , 2016, 43, 12,252.	1.5	132
10	Large-scale temperature response to external forcing in simulations and reconstructions of the last millennium. <i>Climate of the Past</i> , 2013, 9, 393-421.	1.3	131
11	Abrupt cooling over the North Atlantic in modern climate models. <i>Nature Communications</i> , 2017, 8, .	5.8	113
12	Natural forcing of climate during the last millennium: fingerprint of solar variability. <i>Climate Dynamics</i> , 2011, 36, 1349-1364.	1.7	103
13	Bidecadal North Atlantic ocean circulation variability controlled by timing of volcanic eruptions. <i>Nature Communications</i> , 2015, 6, 6545.	5.8	101
14	Forecasted coral reef decline in marine biodiversity hotspots under climate change. <i>Global Change Biology</i> , 2015, 21, 2479-2487.	4.2	97
15	Impact of Freshwater Release in the North Atlantic under Different Climate Conditions in an OAGCM. <i>Journal of Climate</i> , 2009, 22, 6377-6403.	1.2	94
16	Persistent influence of ice sheet melting on high northern latitude climate during the early Last Interglacial. <i>Climate of the Past</i> , 2012, 8, 483-507.	1.3	91
17	Decadal fingerprints of freshwater discharge around Greenland in a multi-model ensemble. <i>Climate Dynamics</i> , 2013, 41, 695-720.	1.7	90
18	Impact of explosive volcanic eruptions on the main climate variability modes. <i>Global and Planetary Change</i> , 2017, 150, 24-45.	1.6	88

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19	Arctic warming will promote Atlantic–Pacific fish interchange. <i>Nature Climate Change</i> , 2015, 5, 261-265.	8.1	86
20	Antarctic ice sheet melting provides negative feedbacks on future climate warming. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	83
21	Impact of transient freshwater releases in the Southern Ocean on the AMOC and climate. <i>Climate Dynamics</i> , 2009, 33, 365-381.	1.7	76
22	Intense storm activity during the Little Ice Age on the French Mediterranean coast. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 299, 289-297.	1.0	73
23	Initialisation and predictability of the AMOC over the last 50 years in a climate model. <i>Climate Dynamics</i> , 2013, 40, 2381-2399.	1.7	72
24	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.	1.3	70
25	A 20-year coupled ocean-sea ice-atmosphere variability mode in the North Atlantic in an AOGCM. <i>Climate Dynamics</i> , 2013, 40, 619-636.	1.7	65
26	Sensitivity of the Atlantic Meridional Overturning Circulation to the melting from northern glaciers in climate change experiments. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	62
27	Multiyear predictability of tropical marine productivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11646-11651.	3.3	61
28	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.	1.3	59
29	The risk of tardive frost damage in French vineyards in a changing climate. <i>Agricultural and Forest Meteorology</i> , 2018, 250-251, 226-242.	1.9	59
30	Quantifying the AMOC feedbacks during a 2 \times CO $_2$ stabilization experiment with land-ice melting. <i>Climate Dynamics</i> , 2007, 29, 521-534.	1.7	55
31	IPSL-CM5A2 – an Earth system model designed for multi-millennial climate simulations. <i>Geoscientific Model Development</i> , 2020, 13, 3011-3053.	1.3	55
32	Influence of solar variability, CO_2 and orbital forcing between 1000 and 1850 AD in the IPSLCM4 model. <i>Climate of the Past</i> , 2010, 6, 445-460.	1.3	53
33	On the reduced sensitivity of the Atlantic overturning to Greenland ice sheet melting in projections: a multi-model assessment. <i>Climate Dynamics</i> , 2015, 44, 3261-3279.	1.7	53
34	Variability in the Northern North Atlantic and Arctic Oceans Across the Last Two Millennia: A Review. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1399-1436.	1.3	53
35	Ocean temperature impact on ice shelf extent in the eastern Antarctic Peninsula. <i>Nature Communications</i> , 2019, 10, 304.	5.8	48
36	Glacial ice and atmospheric forcing on the Mertz Glacier Polynya over the past 250 years. <i>Nature Communications</i> , 2015, 6, 6642.	5.8	47

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37	Consequences of rapid ice sheet melting on the Sahelian population vulnerability. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6533-6538.	3.3	47
38	Decadal predictability of the Atlantic meridional overturning circulation and climate in the IPSL-CM5A-LR model. Climate Dynamics, 2013, 40, 2359-2380.	1.7	46
39	Multi-centennial variability of the AMOC over the Holocene: A new reconstruction based on multiple proxy-derived SST records. Global and Planetary Change, 2018, 170, 172-189.	1.6	46
40	Improved Decadal Predictions of North Atlantic Subpolar Gyre SST in CMIP6. Geophysical Research Letters, 2021, 48, e2020GL091307.	1.5	43
41	Deciphering the role of southern gateways and carbon dioxide on the onset of the Antarctic Circumpolar Current. Paleoceanography, 2012, 27, .	3.0	42
42	The impact of global freshwater forcing on the thermohaline circulation: adjustment of North Atlantic convection sites in a CGCM. Climate Dynamics, 2006, 28, 291-305.	1.7	41
43	Recent changes in north-west Greenland climate documented by NEEM shallow ice core data and simulations, and implications for past-temperature reconstructions. Cryosphere, 2015, 9, 1481-1504.	1.5	41
44	Modes of climate variability: Synthesis and review of proxy-based reconstructions through the Holocene. Earth-Science Reviews, 2020, 209, 103286.	4.0	41
45	Regional imprints of millennial variability during the MIS 3 period around Antarctica. Quaternary Science Reviews, 2012, 48, 99-112.	1.4	40
46	Reconciling two alternative mechanisms behind bi-decadal variability in the North Atlantic. Progress in Oceanography, 2015, 137, 237-249.	1.5	39
47	On the evolution of the oceanic component of the IPSL climate models from CMIP3 to CMIP5: A mean state comparison. Ocean Modelling, 2013, 72, 167-184.	1.0	35
48	Paradoxical cold conditions during the medieval climate anomaly in the Western Arctic. Scientific Reports, 2016, 6, 32984.	1.6	31
49	Reconstructing the subsurface ocean decadal variability using surface nudging in a perfect model framework. Climate Dynamics, 2015, 44, 315-338.	1.7	30
50	Impact of a realistic river routing in coupled ocean-atmosphere simulations of the Last Glacial Maximum climate. Climate Dynamics, 2008, 30, 855-869.	1.7	29
51	Characterizing atmospheric circulation signals in Greenland ice cores: insights from a weather regime approach. Climate Dynamics, 2014, 43, 2585-2605.	1.7	29
52	Loss of connectivity among island-dwelling Peary caribou following sea ice decline. Biology Letters, 2016, 12, 20160235.	1.0	29
53	Greenland climate change: from the past to the future. Wiley Interdisciplinary Reviews: Climate Change, 2012, 3, 427-449.	3.6	28
54	Marine productivity response to Heinrich events: a model-data comparison. Climate of the Past, 2012, 8, 1581-1598.	1.3	27

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55	Impact of precipitation intermittency on NAO-temperature signals in proxy records. <i>Climate of the Past</i> , 2013, 9, 871-886.	1.3	26
56	Multi-decadal trends in Antarctic sea-ice extent driven by ENSO-SAM over the last 2,000 years. <i>Nature Geoscience</i> , 2021, 14, 156-160.	5.4	26
57	Dynamical and biogeochemical control on the decadal variability of ocean carbon fluxes. <i>Earth System Dynamics</i> , 2013, 4, 109-127.	2.7	25
58	Medieval Climate Anomaly to Little Ice Age transition as simulated by current climate models. <i>PAGES News</i> , 2011, 19, 7-8.	0.1	25
59	Increased risk of near term global warming due to a recent AMOC weakening. <i>Nature Communications</i> , 2021, 12, 6108.	5.8	25
60	Decadal prediction skill in the ocean with surface nudging in the IPSL-CM5A-LR climate model. <i>Climate Dynamics</i> , 2016, 47, 1225-1246.	1.7	21
61	AMOC Recent and Future Trends: A Crucial Role for Oceanic Resonance and Greenland Melting?. <i>Frontiers in Climate</i> , 2022, 4, .	1.3	20
62	Reconciling reconstructed and simulated features of the winter Pacific/North American pattern in the early 19th century. <i>Climate of the Past</i> , 2015, 11, 939-958.	1.3	19
63	Synergistic impacts of global warming and thermohaline circulation collapse on amphibians. <i>Communications Biology</i> , 2021, 4, 141.	2.0	19
64	Clouds damp the radiative impacts of polar sea ice loss. <i>Cryosphere</i> , 2020, 14, 2673-2686.	1.5	19
65	In-phase millennial-scale glacier changes in the tropics and North Atlantic regions during the Holocene. <i>Nature Communications</i> , 2022, 13, 1419.	5.8	19
66	Sub-Antarctic glacier extensions in the Kerguelen region (49°S, Indian Ocean) over the past 24,000 years constrained by 36 Cl moraine dating. <i>Quaternary Science Reviews</i> , 2017, 162, 128-144.	1.4	18
67	Toward Consistent Observational Constraints in Climate Predictions and Projections. <i>Frontiers in Climate</i> , 2021, 3, .	1.3	18
68	Presentation and Evaluation of the IPSL-CM6A-LR Ensemble of Extended Historical Simulations. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2021MS002565.	1.3	18
69	Stability of weather regimes during the last millennium from climate simulations. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	17
70	Ocean as the main driver of Antarctic ice sheet retreat during the Holocene. <i>Global and Planetary Change</i> , 2018, 166, 62-74.	1.6	17
71	The Impact of Possible Decadal-Scale Cold Waves on Viticulture over Europe in a Context of Global Warming. <i>Agronomy</i> , 2019, 9, 397.	1.3	16
72	Early Warning from Space for a Few Key Tipping Points in Physical, Biological, and Social-Ecological Systems. <i>Surveys in Geophysics</i> , 2020, 41, 1237-1284.	2.1	16

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73	Past African dust inputs in the western Mediterranean area controlled by the complex interaction between the Intertropical Convergence Zone, the North Atlantic Oscillation, and total solar irradiance. <i>Climate of the Past</i> , 2020, 16, 283-298.	1.3	16
74	Multimodel analysis on the response of the AMOC under an increase of radiative forcing and its symmetrical reversal. <i>Climate Dynamics</i> , 2015, 45, 1429-1450.	1.7	15
75	A last millennium perspective on North Atlantic variability: exploiting synergies between models and proxy data. <i>Past Global Change Magazine</i> , 2017, 25, 61-67.	0.4	13
76	Rain-fed agriculture thrived despite climate degradation in the pre-Hispanic arid Andes. <i>Science Advances</i> , 2017, 3, e1701740.	4.7	12
77	Millennial-scale variations of the Holocene North Atlantic mid-depth gyre inferred from radiocarbon and neodymium isotopes in cold water corals. <i>Quaternary Science Reviews</i> , 2019, 211, 93-106.	1.4	12
78	Impact of freshwater release in the Mediterranean Sea on the North Atlantic climate. <i>Climate Dynamics</i> , 2019, 53, 3893-3915.	1.7	11
79	On the risk of abrupt changes in the North Atlantic subpolar gyre in CMIP6 models. <i>Annals of the New York Academy of Sciences</i> , 2021, 1504, 187-201.	1.8	11
80	Regional seesaw between the North Atlantic and Nordic Seas during the last glacial abrupt climate events. <i>Climate of the Past</i> , 2017, 13, 729-739.	1.3	10
81	Role of the Atlantic Multidecadal Variability in modulating the climate response to a Pinatubo-like volcanic eruption. <i>Climate Dynamics</i> , 2018, 51, 1863-1883.	1.7	10
82	Response of the carbon cycle in an intermediate complexity model to the different climate configurations of the last nine interglacials. <i>Climate of the Past</i> , 2018, 14, 239-253.	1.3	10
83	Reconstructing climatic modes of variability from proxy records using ClimIndRec version 1.0. <i>Geoscientific Model Development</i> , 2020, 13, 841-858.	1.3	10
84	Western boundary circulation and coastal sea-level variability in Northern Hemisphere oceans. <i>Ocean Science</i> , 2021, 17, 1449-1471.	1.3	10
85	Effect of surface restoring on subsurface variability in a climate model during 1949–2005. <i>Climate Dynamics</i> , 2015, 44, 2333-2349.	1.7	9
86	Reconstructing extreme AMOC events through nudging of the ocean surface: a perfect model approach. <i>Climate Dynamics</i> , 2017, 49, 3425-3441.	1.7	9
87	Skillful decadal prediction of unforced southern European summer temperature variations. <i>Environmental Research Letters</i> , 2021, 16, 104017.	2.2	9
88	Effect of land ice melting and associated changes in the AMOC result in little overall impact on oceanic CO ₂ uptake. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	8
89	AMOC and summer sea ice as key drivers of the spread in mid-holocene winter temperature patterns over Europe in PMIP3 models. <i>Global and Planetary Change</i> , 2020, 184, 103055.	1.6	8
90	Variability of the ocean heat content during the last millennium – an assessment with the ECHO-g Model. <i>Climate of the Past</i> , 2013, 9, 547-565.	1.3	7

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91	Compiling multiproxy quantitative hydrographic data from Holocene marine archives in the North Atlantic: A way to decipher oceanic and climatic dynamics and natural modes?. <i>Global and Planetary Change</i> , 2018, 170, 48-61.	1.6	7
92	The impacts of oceanic deep temperature perturbations in the North Atlantic on decadal climate variability and predictability. <i>Climate Dynamics</i> , 2018, 51, 2341-2357.	1.7	7
93	Advances in reconstructing the AMOC using sea surface observations of salinity. <i>Climate Dynamics</i> , 2020, 55, 975-992.	1.7	7
94	Muted cooling and drying of NW Mediterranean in response to the strongest last glacial North American ice surges. <i>Bulletin of the Geological Society of America</i> , 2021, 133, 451-460.	1.6	7
95	A realistic Greenland ice sheet and surrounding glaciers and ice caps melting in a coupled climate model. <i>Climate Dynamics</i> , 2021, 57, 2467-2489.	1.7	7
96	On the robustness of near term climate predictability regarding initial state uncertainties. <i>Climate Dynamics</i> , 2017, 48, 353-366.	1.7	6
97	Carbon 13 Isotopes Reveal Limited Ocean Circulation Changes Between Interglacials of the Last 800ka. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003776.	1.3	5
98	Evaluating the impact of Mediterranean overflow on the large-scale Atlantic Ocean circulation using neodymium isotopic composition. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 570, 110359.	1.0	5
99	Evidence of the largest Late Holocene mountain glacier extent in southern and southeastern Greenland during the middle Neoglacial from ¹⁰ Be moraine dating. <i>Boreas</i> , 2022, 51, 61-77.	1.2	5
100	Effect of the Greenland ice-sheet melting on the response and stability of the AMOC in the Next centuries. <i>Geophysical Monograph Series</i> , 2007, , 383-392.	0.1	4
101	Fresh news from the Atlantic. <i>Nature Climate Change</i> , 2015, 5, 411-412.	8.1	4
102	Tentative reconstruction of the 1998-2012 hiatus in global temperature warming using the IPSL-CM5A-LR climate model. <i>Comptes Rendus - Geoscience</i> , 2017, 349, 369-379.	0.4	4
103	Mechanisms for European summer temperature response to solar forcing over the last millennium. <i>Climate of the Past</i> , 2012, 8, 1487-1495.	1.3	4
104	Reply to 'Sources of uncertainties in cod distribution models'. <i>Nature Climate Change</i> , 2015, 5, 790-791.	8.1	3
105	Le climat du dernier millénaire. <i>La Météorologie</i> , 2015, 8, 36.	0.5	3
106	Propagation of Thermohaline Anomalies and Their Predictive Potential along the Atlantic Water Pathway. <i>Journal of Climate</i> , 2022, 35, 2111-2131.	1.2	3
107	Systematic investigation of skill opportunities in decadal prediction of air temperature over Europe. <i>Climate Dynamics</i> , 2021, 57, 3245-3263.	1.7	2
108	Internal and forced decadal variability: lessons from the past millennium. <i>Past Global Change Magazine</i> , 2017, 25, 47-51.	0.4	1