Didier Swingedouw

List of Publications by Year
in descending order

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	Evidence of the largest Late Holocene mountain glacier extent in southern and southeastern Greenland during the middle Neoglacial from ¹⁰Be moraine dating. Boreas, 2022, 51, 61-77.	1.2	5
2	In-phase millennial-scale glacier changes in the tropics and North Atlantic regions during the Holocene. Nature Communications, 2022, 13, 1419.	5.8	19
3	AMOC Recent and Future Trends: A Crucial Role for Oceanic Resolution and Greenland Melting?. Frontiers in Climate, 2022, 4, .	1.3	20
4	Propagation of Thermohaline Anomalies and Their Predictive Potential along the Atlantic Water Pathway. Journal of Climate, 2022, 35, 2111-2131.	1.2	3
5	Muted cooling and drying of NW Mediterranean in response to the strongest last glacial North American ice surges. Bulletin of the Geological Society of America, 2021, 133, 451-460.	1.6	7
6	Synergistic impacts of global warming and thermohaline circulation collapse on amphibians. Communications Biology, 2021, 4, 141.	2.0	19
7	Multi-decadal trends in Antarctic sea-ice extent driven by ENSOâ€“SAM over the last 2,000 years. Nature Geoscience, 2021, 14, 156-160.	5.4	26
8	A realistic Greenland ice sheet and surrounding glaciers and ice caps melting in a coupled climate model. Climate Dynamics, 2021, 57, 2467-2489.	1.7	7
9	Evaluating the impact of Mediterranean overflow on the large-scale Atlantic Ocean circulation using neodymium isotopic composition. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 570, 110359.	1.0	5
10	Toward Consistent Observational Constraints in Climate Predictions and Projections. Frontiers in Climate, 2021, 3, .	1.3	18
11	On the risk of abrupt changes in the North Atlantic subpolar gyre in CMIP6 models. Annals of the New York Academy of Sciences, 2021, 1504, 187-201.	1.8	11
12	Systematic investigation of skill opportunities in decadal prediction of air temperature over Europe. Climate Dynamics, 2021, 57, 3245-3263.	1.7	2
13	Presentation and Evaluation of the IPSLâ€CM6Aâ€LR Ensemble of Extended Historical Simulations. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002565.	1.3	18
14	Skillful decadal prediction of unforced southern European summer temperature variations. Environmental Research Letters, 2021, 16, 104017.	2.2	9
15	Improved Decadal Predictions of North Atlantic Subpolar Gyre SST in CMIP6. Geophysical Research Letters, 2021, 48, e2020GL091307.	1.5	43
16	Increased risk of near term global warming due to a recent AMOC weakening. Nature Communications, 2021, 12, 6108.	5.8	25
17	Western boundary circulation and coastal sea-level variability in Northern Hemisphere oceans. Ocean Science, 2021, 17, 1449-1471.	1.3	10
18	AMOC and summer sea ice as key drivers of the spread in mid-holocene winter temperature patterns over Europe in PMIP3 models. Global and Planetary Change, 2020, 184, 103055.	1.6	8

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19	Modes of climate variability: Synthesis and review of proxy-based reconstructions through the Holocene. Earth-Science Reviews, 2020, 209, 103286.	4.0	41
20	North Atlantic climate far more predictable than models imply. Nature, 2020, 583, 796-800.	13.7	158
21	Early Warning from Space for a Few Key Tipping Points in Physical, Biological, and Social-Ecological Systems. Surveys in Geophysics, 2020, 41, 1237-1284.	2.1	16
22	Reconstructing climatic modes of variability from proxy records using ClimIndRec version 1.0. Geoscientific Model Development, 2020, 13, 841-858.	1.3	10
23	Presentation and Evaluation of the IPSLâ€CM6Aâ€LR Climate Model. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS002010.	1.3	541
24	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. Climate of the Past, 2020, 16, 283-298.	1.3	16
25	Advances in reconstructing the AMOC using sea surface observations of salinity. Climate Dynamics, 2020, 55, 975-992.	1.7	7
26	Carbon 13 Isotopes Reveal Limited Ocean Circulation Changes Between Interglacials of the Last 800Âka. Paleoceanography and Paleoclimatology, 2020, 35, e2019PA003776.	1.3	5
27	IPSL-CM5A2 â€" an Earth system model designed for multi-millennial climate simulations. Geoscientific Model Development, 2020, 13, 3011-3053.	1.3	55
28	Clouds damp the radiative impacts of polar sea ice loss. Cryosphere, 2020, 14, 2673-2686.	1.5	19
29	The Impact of Possible Decadal-Scale Cold Waves on Viticulture over Europe in a Context of Global Warming. Agronomy, 2019, 9, 397.	1.3	16
30	Ocean temperature impact on ice shelf extent in the eastern Antarctic Peninsula. Nature Communications, 2019, 10, 304.	5.8	48
31	Variability in the Northern North Atlantic and Arctic Oceans Across the Last Two Millennia: A Review. Paleoceanography and Paleoclimatology, 2019, 34, 1399-1436.	1.3	53
32	Impact of freshwater release in the Mediterranean Sea on the North Atlantic climate. Climate Dynamics, 2019, 53, 3893-3915.	1.7	11
33	Millennial-scale variations of the Holocene North Atlantic mid-depth gyre inferred from radiocarbon and neodymium isotopes in cold water corals. Quaternary Science Reviews, 2019, 211, 93-106.	1.4	12
34	The risk of tardive frost damage in French vineyards in a changing climate. Agricultural and Forest Meteorology, 2018, 250-251, 226-242.	1.9	59
35	Role of the Atlantic Multidecadal Variability in modulating the climate response to a Pinatubo-like volcanic eruption. Climate Dynamics, 2018, 51, 1863-1883.	1.7	10
36	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

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37	Response of the carbon cycle in an intermediate complexity model to the different climate configurations of the last nineÂinterglacials. Climate of the Past, 2018, 14, 239-253.	1.3	10
38	Compiling multiproxy quantitative hydrographic data from Holocene marine archives in the North Atlantic: A way to decipher oceanic and climatic dynamics and natural modes?. Global and Planetary Change, 2018, 170, 48-61.	1.6	7
39	The impacts of oceanic deep temperature perturbations in the North Atlantic on decadal climate variability and predictability. Climate Dynamics, 2018, 51, 2341-2357.	1.7	7
40	Ocean as the main driver of Antarctic ice sheet retreat during the Holocene. Global and Planetary Change, 2018, 166, 62-74.	1.6	17
41	On the robustness of near term climate predictability regarding initial state uncertainties. Climate Dynamics, 2017, 48, 353-366.	1.7	6
42	Impact of explosive volcanic eruptions on the main climate variability modes. Global and Planetary Change, 2017, 150, 24-45.	1.6	88
43	Abrupt cooling over the North Atlantic in modern climate models. Nature Communications, 2017, 8, .	5.8	113
44	Sub-Antarctic glacier extensions in the Kerguelen region (49Â°S, Indian Ocean) over the past 24,000 years constrained by 36 Cl moraine dating. Quaternary Science Reviews, 2017, 162, 128-144.	1.4	18
45	Reconstructing extreme AMOC events through nudging of the ocean surface: a perfect model approach. Climate Dynamics, 2017, 49, 3425-3441.	1.7	9
46	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
47	Rain-fed agriculture thrived despite climate degradation in the pre-Hispanic arid Andes. Science Advances, 2017, 3, e1701740.	4.7	12
48	Tentative reconstruction of the 1998â€"2012 hiatus in global temperature warming using the IPSLâ€"CM5Aâ€"LR climate model. Comptes Rendus - Geoscience, 2017, 349, 369-379.	0.4	4
49	Regional seesaw between the North Atlantic and Nordic Seas during the last glacial abrupt climate events. Climate of the Past, 2017, 13, 729-739.	1.3	10
50	Internal and forced decadal variability: lessons from the past millennium. Past Global Change Magazine, 2017, 25, 47-51.	0.4	1
51	A last millennium perspective on North Atlantic variability: exploiting synergies between models and proxy data. Past Global Change Magazine, 2017, 25, 61-67.	0.4	13
52	Paradoxical cold conditions during the medieval climate anomaly in the Western Arctic. Scientific Reports, 2016, 6, 32984.	1.6	31
53	Assessing recent trends in high-latitude Southern Hemisphere surface climate. Nature Climate Change, 2016, 6, 917-926.	8.1	253
54	Loss of connectivity among island-dwelling Peary caribou following sea ice decline. Biology Letters, 2016, 12, 20160235.	1.0	29

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55	Fate of the Atlantic Meridional Overturning Circulation: Strong decline under continued warming and Greenland melting. Geophysical Research Letters, 2016, 43, 12,252.	1.5	132
56	Decadal prediction skill in the ocean with surface nudging in the IPSL-CM5A-LR climate model. Climate Dynamics, 2016, 47, 1225-1246.	1.7	21
57	Reconciling reconstructed and simulated features of the winter Pacific/North American pattern in the early 19th century. Climate of the Past, 2015, 11, 939-958.	1.3	19
58	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
59	Multimodel analysis on the response of the AMOC under an increase of radiative forcing and its symmetrical reversal. Climate Dynamics, 2015, 45, 1429-1450.	1.7	15
60	Forecasted coral reef decline in marine biodiversity hotspots under climate change. Global Change Biology, 2015, 21, 2479-2487.	4.2	97
61	Arctic warming will promote Atlanticâ€“Pacific fishÂinterchange. Nature Climate Change, 2015, 5, 261-265.	8.1	86
62	On the reduced sensitivity of the Atlantic overturning to Greenland ice sheet melting in projections: a multi-model assessment. Climate Dynamics, 2015, 44, 3261-3279.	1.7	53
63	A model-tested North Atlantic Oscillation reconstruction for the past millennium. Nature, 2015, 523, 71-74.	13.7	255
64	Glacial ice and atmospheric forcing on the Mertz Glacier Polynya over the past 250 years. Nature Communications, 2015, 6, 6642.	5.8	47
65	Fresh news from the Atlantic. Nature Climate Change, 2015, 5, 411-412.	8.1	4
66	Bidecadal North Atlantic ocean circulation variability controlled by timing of volcanic eruptions. Nature Communications, 2015, 6, 6545.	5.8	101
67	Reconciling two alternative mechanisms behind bi-decadal variability in the North Atlantic. Progress in Oceanography, 2015, 137, 237-249.	1.5	39
68	Catalogue of abrupt shifts in Intergovernmental Panel on Climate Change climate models. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5777-86.	3.3	182
69	Reply to 'Sources of uncertainties in cod distribution models'. Nature Climate Change, 2015, 5, 790-791.	8.1	3
70	Effect of surface restoring on subsurface variability in a climate model during 1949â€“2005. Climate Dynamics, 2015, 44, 2333-2349.	1.7	9
71	Reconstructing the subsurface ocean decadal variability using surface nudging in a perfect model framework. Climate Dynamics, 2015, 44, 315-338.	1.7	30
72	Le climat du dernier millÃ©naire. La MÃ©tÃ©orologie, 2015, 8, 36.	0.5	3

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73	Multiyear predictability of tropical marine productivity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11646-11651.	3.3	61
74	Characterizing atmospheric circulation signals in Greenland ice cores: insights from a weather regime approach. Climate Dynamics, 2014, 43, 2585-2605.	1.7	29
75	Decadal fingerprints of freshwater discharge around Greenland in a multi-model ensemble. Climate Dynamics, 2013, 41, 695-720.	1.7	90
76	Climate change projections using the IPSL-CM5 Earth System Model: from CMIP3 to CMIP5. Climate Dynamics, 2013, 40, 2123-2165.	1.7	1,425
77	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
78	A 20-year coupled ocean-sea ice-atmosphere variability mode in the North Atlantic in an AOGCM. Climate Dynamics, 2013, 40, 619-636.	1.7	65
79	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
80	Initialisation and predictability of the AMOC over the last 50Âyears in a climate model. Climate Dynamics, 2013, 40, 2381-2399.	1.7	72
81	Dynamical and biogeochemical control on the decadal variability of ocean carbon fluxes. Earth System Dynamics, 2013, 4, 109-127.	2.7	25
82	Climatic impacts of fresh water hosing under Last Glacial Maximum conditions: a multi-model study. Climate of the Past, 2013, 9, 935-953.	1.3	146
83	Impact of precipitation intermittency on NAO-temperature signals in proxy records. Climate of the Past, 2013, 9, 871-886.	1.3	26
84	Large-scale temperature response to external forcing in simulations and reconstructions of the last millennium. Climate of the Past, 2013, 9, 393-421.	1.3	131
85	Variability of the ocean heat content during the last millennium â€“ an assessment with the ECHO-g Model. Climate of the Past, 2013, 9, 547-565.	1.3	7
86	Regional imprints of millennial variability during the MIS 3 period around Antarctica. Quaternary Science Reviews, 2012, 48, 99-112.	1.4	40
87	Greenland climate change: from the past to the future. Wiley Interdisciplinary Reviews: Climate Change, 2012, 3, 427-449.	3.6	28
88	Stability of weather regimes during the last millennium from climate simulations. Geophysical Research Letters, 2012, 39, .	1.5	17
89	Deciphering the role of southern gateways and carbon dioxide on the onset of the Antarctic Circumpolar Current. Paleoceanography, 2012, 27, .	3.0	42
90	Persistent influence of ice sheet melting on high northern latitude climate during the early Last Interglacial. Climate of the Past, 2012, 8, 483-507.	1.3	91

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91	Marine productivity response to Heinrich events: a model-data comparison. Climate of the Past, 2012, 8, 1581-1598.	1.3	27
92	Mechanisms for European summer temperature response to solar forcing over the last millennium. Climate of the Past, 2012, 8, 1487-1495.	1.3	4
93	Intense storm activity during the Little Ice Age on the French Mediterranean coast. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 299, 289-297.	1.0	73
94	Sensitivity of interglacial Greenland temperature and Î´¹⁸O: ice core data, orbital and increased CO₂ climate simulations. Climate of the Past, 2011, 7, 1041-1059.	1.3	59
95	Natural forcing of climate during the last millennium: fingerprint of solar variability. Climate Dynamics, 2011, 36, 1349-1364.	1.7	103
96	Medieval Climate Anomaly to Little Ice Age transition as simulated by current climate models. PAGES News, 2011, 19, 7-8.	0.1	25
97	Key features of the IPSL ocean atmosphere model and its sensitivity to atmospheric resolution. Climate Dynamics, 2010, 34, 1-26.	1.7	235
98	Influence of solar variability, CO₂ and orbital forcing between 1000 and 1850 AD in the IPSLCM4 model. Climate of the Past, 2010, 6, 445-460.	1.3	53
99	Glacial climate sensitivity to different states of the Atlantic Meridional Overturning Circulation: results from the IPSL model. Climate of the Past, 2009, 5, 551-570.	1.3	70
100	Impact of Freshwater Release in the North Atlantic under Different Climate Conditions in an OAGCM. Journal of Climate, 2009, 22, 6377-6403.	1.2	94
101	Impact of transient freshwater releases in the Southern Ocean on the AMOC and climate. Climate Dynamics, 2009, 33, 365-381.	1.7	76
102	Impact of a realistic river routing in coupled oceanâ€"atmosphere simulations of the Last Glacial Maximum climate. Climate Dynamics, 2008, 30, 855-869.	1.7	29
103	Antarctic iceâ€sheet melting provides negative feedbacks on future climate warming. Geophysical Research Letters, 2008, 35, .	1.5	83
104	Effect of the Greenland ice-sheet melting on the response and stability of the AMOC in the Next centuries. Geophysical Monograph Series, 2007, , 383-392.	0.1	4
105	Effect of landâ€ice melting and associated changes in the AMOC result in little overall impact on oceanic CO₂ uptake. Geophysical Research Letters, 2007, 34, .	1.5	8
106	Quantifying the AMOC feedbacks during a 2Ã—CO2 stabilization experiment with land-ice melting. Climate Dynamics, 2007, 29, 521-534.	1.7	55
107	Sensitivity of the Atlantic Meridional Overturning Circulation to the melting from northern glaciers in climate change experiments. Geophysical Research Letters, 2006, 33, .	1.5	62
108	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