Axel Timmermann

List of Publications by Year
in descending order

215 papers	22,037 citations	10956 71 h-index	10424 139 g-index
269 all docs	269 docs citations	269 times ranked	17413 citing authors

#	Article	IF	Citations
1	Exploring Late Pleistocene hominin dispersals, coexistence and extinction with agent-based multi-factor models. Quaternary Science Reviews, 2022, 279, 107391.	1.4	4
2	Emergence of climate change in the tropical Pacific. Nature Climate Change, 2022, 12, 356-364.	8.1	34
3	Estimating Threeâ€Dimensional Carbonâ€Toâ€Phosphorus Stoichiometry of Exported Marine Organic Matter. Global Biogeochemical Cycles, 2022, 36, .	1.9	5
4	Projected reversal of oceanic stable carbon isotope ratio depth gradient with continued anthropogenic carbon emissions. Communications Earth & Environment, 2022, 3, .	2.6	2
5	Antarctic sea-ice expansion and Southern Ocean cooling linked to tropical variability. Nature Climate Change, 2022, 12, 461-468.	8.1	15
6	Climate effects on archaic human habitats and species successions. Nature, 2022, 604, 495-501.	13.7	55
7	Future Amplification of Sea Surface Temperature Seasonality Due To Enhanced Ocean Stratification. Geophysical Research Letters, 2022, 49, .	1.5	8
8	Trophic level decoupling drives future changes in phytoplankton bloom phenology. Nature Climate Change, 2022, 12, 469-476.	8.1	15
9	Dynamics and characteristics of dry and moist heatwaves over East Asia. Npj Climate and Atmospheric Science, 2022, 5, .	2.6	34
10	A low order dynamical model for runoff predictability. Climate Dynamics, 2021, 56, 399-422.	1.7	4
11	Coldâ€Season Arctic Amplification Driven by Arctic Oceanâ€Mediated Seasonal Energy Transfer. Earth's Future, 2021, 9, e2020EF001898.	2.4	30
12	Drivers of river reactivation in North Africa during the last glacial cycle. Nature Geoscience, 2021, 14, 97-103.	5.4	29
13	Synchronized spatial shifts of Hadley and Walker circulations. Earth System Dynamics, 2021, 12, 121-132.	2.7	13
14	Caspian Sea and Black Sea Response to Greenhouse Warming in a Highâ€Resolution Global Climate Model. Geophysical Research Letters, 2021, 48, e2020GL090270.	1.5	15
15	Increasing ENSOâ€“rainfall variability due to changes in future tropical temperatureâ€“rainfall relationship. Communications Earth & Environment, 2021, 2, .	2.6	58
16	Long-term demise of sub-Antarctic glaciers modulated by the Southern Hemisphere Westerlies. Scientific Reports, 2021, 11, 8361.	1.6	16
17	Stable Carbon Isotopes Suggest Large Terrestrial Carbon Inputs to the Global Ocean. Global Biogeochemical Cycles, 2021, 35, e2020GB006684.	1.9	18
18	Spurious North Tropical Atlantic precursors to El NiÃ±o. Nature Communications, 2021, 12, 3096.	5.8	33

#	Article	IF	Citations
19	Tropical Indo-Pacific SST influences on vegetation variability in eastern Africa. Scientific Reports, 2021, 11, 10462.	1.6	7
20	East Asian climate response to COVID-19 lockdown measures in China. Scientific Reports, 2021, 11, 16852.	1.6	10
21	Changing El NiÃ±oâ€“Southern Oscillation in a warming climate. Nature Reviews Earth & Environment, 2021, 2, 628-644.	12.2	197
22	Future high-resolution El NiÃ±o/Southern Oscillation dynamics. Nature Climate Change, 2021, 11, 758-765.	8.1	58
23	Roles of insolation forcing and CO2 forcing on Late Pleistocene seasonal sea surface temperatures. Nature Communications, 2021, 12, 5742.	5.8	3
24	Ubiquity of human-induced changes in climate variability. Earth System Dynamics, 2021, 12, 1393-1411.	2.7	131
25	Using Late Pleistocene sea surface temperature reconstructions to constrain future greenhouse warming. Earth and Planetary Science Letters, 2020, 530, 115911.	1.8	8
26	Atmospheric Nitrous Oxide Variations on Centennial Time Scales During the Past Two Millennia. Global Biogeochemical Cycles, 2020, 34, e2020GB006568.	1.9	6
27	Fokkerâ€“Planck dynamics of the El NiÃ±o-Southern Oscillation. Scientific Reports, 2020, 10, 16282.	1.6	9
28	Reduced tropical cyclone densities and ocean effects due to anthropogenic greenhouse warming. Science Advances, 2020, 6, .	4.7	48
29	Anthropogenic Intensification of Surface Ocean Interannual pCO₂ Variability. Geophysical Research Letters, 2020, 47, e2020GL087104.	1.5	8
30	Quantifying the potential causes of Neanderthal extinction: Abrupt climate change versus competition and interbreeding. Quaternary Science Reviews, 2020, 238, 106331.	1.4	38
31	Future Changes of Summer Monsoon Characteristics and Evaporative Demand Over Asia in CMIP6 Simulations. Geophysical Research Letters, 2020, 47, e2020GL087492.	1.5	85
32	Timing and magnitude of Southern Ocean sea ice/carbon cycle feedbacks. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4498-4504.	3.3	23
33	Strong remote control of future equatorial warming by off-equatorial forcing. Nature Climate Change, 2020, 10, 124-129.	8.1	32
34	Simulating Marine Isotope Stage 7 with a coupled climateâ€“ice sheet model. Climate of the Past, 2020, 16, 2183-2201.	1.3	10
35	Antarctic iceberg impacts on future Southern Hemisphere climate. Nature Climate Change, 2019, 9, 672-677.	8.1	32
36	A Drift-Free Decadal Climate Prediction System for the Community Earth System Model. Journal of Climate, 2019, 32, 5967-5995.	1.2	11

#	Article	IF	Citations
37	Nonlinear response of the Antarctic Ice Sheet to late Quaternary sea level and climate forcing. Cryosphere, 2019, 13, 2615-2631.	1.5	7
38	Drivers of Late Pleistocene human survival and dispersal: an agent-based modeling and machine learning approach. Quaternary Science Reviews, 2019, 221, 105867.	1.4	30
39	Mediterranean winter rainfall in phase with African monsoons during theÂpast 1.36Âmillion years. Nature, 2019, 573, 256-260.	13.7	111
40	Sea ice variability in the southern Norwegian Sea during glacial Dansgaard-Oeschger climate cycles. Science Advances, 2019, 5, eaau6174.	4.7	49
41	Reconciling opposing Walker circulation trends in observations and model projections. Nature Climate Change, 2019, 9, 405-412.	8.1	86
42	Saharan green corridors and Middle Pleistocene hominin dispersals across the Eastern Desert, Sudan. Journal of Human Evolution, 2019, 130, 141-150.	1.3	26
43	Calibration Uncertainties of Tropical Pacific Climate Reconstructions over the Last Millennium. Journal of Climate, 2019, 32, 4547-4566.	1.2	1
44	North American April tornado occurrences linked to global sea surface temperature anomalies. Science Advances, 2019, 5, eaaw9950.	4.7	16
45	Climate-human interaction associated with southeast Australian megafaunaÂextinction patterns. Nature Communications, 2019, 10, 5311.	5.8	33
46	Human origins in a southern African palaeo-wetland and first migrations. Nature, 2019, 575, 185-189.	13.7	79
47	Precession and atmospheric CO2 modulated variability of sea ice in the central Okhotsk Sea since 130,000 years ago. Earth and Planetary Science Letters, 2018, 488, 36-45.	1.8	23
48	Decadal Monsoonâ€ENSO Relationships Reexamined. Geophysical Research Letters, 2018, 45, 2014-2021.	1.5	61
49	Glacial changes in tropical climate amplified by the Indian Ocean. Science Advances, 2018, 4, eaat9658.	4.7	74
50	Drivers of future seasonal cycle changes in oceanic <i>p</i>CO₂. Biogeosciences, 2018, 15, 5315-5327.	1.3	35
51	Local insolation changes enhance Antarctic interglacials: Insights from an 800,000-year ice sheet simulation with transient climate forcing. Earth and Planetary Science Letters, 2018, 495, 69-78.	1.8	18
52	El NiÃ±oâ€“Southern Oscillation complexity. Nature, 2018, 559, 535-545.	13.7	702
53	Did Our Species Evolve in Subdivided Populations across Africa, and Why Does It Matter?. Trends in Ecology and Evolution, 2018, 33, 582-594.	4.2	315
54	Disentangling Impacts of Dynamic and Thermodynamic Components on Late Summer Rainfall Anomalies in East Asia. Journal of Geophysical Research D: Atmospheres, 2018, 123, 8623-8633.	1.2	21

#	Article	IF	Citations
55	Revisiting ENSO/Indian Ocean Dipole phase relationships. Geophysical Research Letters, 2017, 44, 2481-2492.	1.5	168
56	Multi-year predictability of climate, drought, and wildfire in southwestern North America. Scientific Reports, 2017, 7, 6568.	1.6	49
57	(Un)predictability of strong El NiÃ±o events. Dynamics and Statistics of the Climate System, 2017, 2, .	0.8	10
58	Intensification of tropical Pacific biological productivity due to volcanic eruptions. Geophysical Research Letters, 2016, 43, 1184-1192.	1.5	21
59	Reply to â€œComments on â€˜Combination Mode Dynamics of the Anomalous Northwest Pacific Anticycloneâ€™â€•. Journal of Climate, 2016, 29, 4695-4706.	1.2	9
60	Potential tropical Atlantic impacts on Pacific decadal climate trends. Geophysical Research Letters, 2016, 43, 7143-7151.	1.5	65
61	Strong middepth warming and weak radiocarbon imprints in the equatorial Atlantic during Heinrich 1 and Younger Dryas. Paleoceanography, 2016, 31, 1070-1082.	3.0	22
62	Late Pleistocene climate drivers of early human migration. Nature, 2016, 538, 92-95.	13.7	226
63	Tropical Pacific SST Drivers of Recent Antarctic Sea Ice Trends. Journal of Climate, 2016, 29, 8931-8948.	1.2	82
64	Nonlinear climate sensitivity and its implications for future greenhouse warming. Science Advances, 2016, 2, e1501923.	4.7	112
65	Unraveling El NiÃ±o's impact on the East Asian Monsoon and Yangtze River summer flooding. Geophysical Research Letters, 2016, 43, 11,375.	1.5	125
66	The climate response of the Indoâ€Pacific warm pool to glacial sea level. Paleoceanography, 2016, 31, 866-894.	3.0	76
67	Mechanisms rectifying the annual mean response of tropical Atlantic rainfall to precessional forcing. Climate Dynamics, 2016, 47, 271-293.	1.7	6
68	Mixed-Mode Oscillations of El NiÃ±oâ€“Southern Oscillation. Journals of the Atmospheric Sciences, 2016, 73, 1755-1766.	0.6	24
69	Charging El NiÃ±o with off-equatorial westerly wind events. Climate Dynamics, 2016, 47, 1111-1125.	1.7	23
70	Millennial to orbital-scale variations of drought intensity in the Eastern Mediterranean. Quaternary Science Reviews, 2016, 133, 77-95.	1.4	79
71	Abrupt onset and prolongation of aragonite undersaturation events in the Southern Ocean. Nature Climate Change, 2016, 6, 172-176.	8.1	77
72	A surface layer variance heat budget for ENSO. Geophysical Research Letters, 2015, 42, 3529-3537.	1.5	19

#	Article	IF	Citations
73	Reconstruction of seasonal precipitation in Hawai'i using high-resolution carbon isotope measurements across tree rings. Chemical Geology, 2015, 417, 273-278.	1.4	14
74	Mechanisms and predictability of multiyear ecosystem variability in the North Pacific. Global Biogeochemical Cycles, 2015, 29, 2001-2019.	1.9	11
75	Tropospheric Biennial Oscillation (TBO) indistinguishable from white noise. Geophysical Research Letters, 2015, 42, 7785-7791.	1.5	15
76	Future extreme sea level seesaws in the tropical Pacific. Science Advances, 2015, 1, e1500560.	4.7	55
77	Increased frequency of extreme LaÂNiÃ±a events under greenhouse warming. Nature Climate Change, 2015, 5, 132-137.	8.1	479
78	The Curious Case of the EL NiÃ±o That Never Happened: A Perspective from 40 Years of Progress in Climate Research and Forecasting. Bulletin of the American Meteorological Society, 2015, 96, 1647-1665.	1.7	47
79	Decadal predictability of soil water, vegetation, and wildfire frequency over North America. Climate Dynamics, 2015, 45, 2213-2235.	1.7	26
80	An Atlanticâ€"Pacific ventilation seesaw across the last deglaciation. Earth and Planetary Science Letters, 2015, 424, 237-244.	1.8	32
81	Combination Mode Dynamics of the Anomalous Northwest Pacific Anticyclone*. Journal of Climate, 2015, 28, 1093-1111.	1.2	169
82	Stochastically Generated North American Megadroughts. Journal of Climate, 2015, 28, 1865-1880.	1.2	63
83	Skilful multi-year predictions of tropical trans-basin climate variability. Nature Communications, 2015, 6, 6869.	5.8	132
84	The response of ENSO flavors to midâ€Holocene climate: Implications for proxy interpretation. Paleoceanography, 2015, 30, 527-547.	3.0	75
85	El NiÃ±oâ˜Southern Oscillation frequency cascade. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13490-13495.	3.3	46
86	Abrupt changes in the southern extent of NorthÂAtlantic Deep Water during Dansgaardâ€"Oeschger events. Nature Geoscience, 2015, 8, 950-954.	5.4	63
87	ENSO and greenhouse warming. Nature Climate Change, 2015, 5, 849-859.	8.1	596
88	Ocean circulation reconstructions from Îµ_{Nd}: A modelâ€based feasibility study. Paleoceanography, 2014, 29, 1003-1023.	3.0	12
89	Hindcasting the continuum of Dansgaardâ€"Oeschger variability: mechanisms, patterns and timing. Climate of the Past, 2014, 10, 63-77.	1.3	130
90	Deglacial ice sheet meltdown: orbital pacemaking and CO₂ effects. Climate of the Past, 2014, 10, 1567-1579.	1.3	40

#	Article	IF	Citations
91	Using palaeo-climate comparisons to constrain future projections in CMIP5. Climate of the Past, 2014, 10, 221-250.	1.3	193
92	The Holocene temperature conundrum. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3501-5.	3.3	344
93	Improved Representation of Tropical Pacific Oceanâ€“Atmosphere Dynamics in an Intermediate Complexity Climate Model. Journal of Climate, 2014, 27, 168-185.	1.2	10
94	An Interhemispheric Tropical Sea Level Seesaw due to El NiÃ±o Taimasa. Journal of Climate, 2014, 27, 1070-1081.	1.2	39
95	ENSO Seasonal Synchronization Theory. Journal of Climate, 2014, 27, 5285-5310.	1.2	85
96	Modeling Obliquity and CO2 Effects on Southern Hemisphere Climate during the Past 408 ka*. Journal of Climate, 2014, 27, 1863-1875.	1.2	49
97	Evolution and forcing mechanisms of El NiÃ±o over the past 21,000 years. Nature, 2014, 515, 550-553.	13.7	228
98	Millennial-scale Atlantic/East Pacific sea surface temperature linkages during the last 100,000 years. Earth and Planetary Science Letters, 2014, 396, 134-142.	1.8	20
99	The role of soil processes in Î´¹⁸O terrestrial climate proxies. Global Biogeochemical Cycles, 2014, 28, 239-252.	1.9	16
100	Increasing frequency of extreme El NiÃ±o events due to greenhouse warming. Nature Climate Change, 2014, 4, 111-116.	8.1	1,572
101	Recent intensification of wind-driven circulation in the Pacific and the ongoing warming hiatus. Nature Climate Change, 2014, 4, 222-227.	8.1	1,115
102	Dynamics of the Atlantic meridional overturning circulation. Part 2: Forcing by winds and buoyancy. Progress in Oceanography, 2014, 120, 154-176.	1.5	10
103	ENSOâ€driven interhemispheric Pacific mass transports. Journal of Geophysical Research: Oceans, 2014, 119, 6221-6237.	1.0	21
104	Recent Walker circulation strengthening and Pacific cooling amplified by Atlantic warming. Nature Climate Change, 2014, 4, 888-892.	8.1	480
105	CO2 radiative forcing and Intertropical Convergence Zone influences on western Pacific warm pool climate over the past 400ka. Quaternary Science Reviews, 2014, 86, 24-34.	1.4	32
106	Millennial-scale variability in Antarctic ice-sheet discharge during the last deglaciation. Nature, 2014, 510, 134-138.	13.7	171
107	Assessing divergent SST behavior during the last 21 ka derived from alkenones andG. ruber-Mg/Ca in the equatorial Pacific. Paleoceanography, 2014, 29, 680-696.	3.0	52
108	Zonal phase propagation of ENSO sea surface temperature anomalies: Revisited. Geophysical Research Letters, 2013, 40, 4048-4053.	1.5	13

#	Article	IF	Citations
109	Estimated strength of the Atlantic overturning circulation during the last deglaciation. Nature Geoscience, 2013, 6, 208-212.	5.4	88
110	A combination mode of the annual cycle and the ElÂNiÃ±o/Southern Oscillation. Nature Geoscience, 2013, 6, 540-544.	5.4	224
111	Links between tropical rainfall and North Atlantic climate during the last glacial period. Nature Geoscience, 2013, 6, 213-217.	5.4	303
112	Changes in South Pacific rainfall bands in a warming climate. Nature Climate Change, 2013, 3, 417-423.	8.1	71
113	Near collapse of the meridional SST gradient in the eastern equatorial Pacific during Heinrich Stadial 1. Paleoceanography, 2013, 28, 663-674.	3.0	26
114	Carbon dioxide and climate impulse response functions for the computation of greenhouse gas metrics: a multi-model analysis. Atmospheric Chemistry and Physics, 2013, 13, 2793-2825.	1.9	517
115	Inferred changes in El NiÃ±oâ€“Southern Oscillation variance over the past six centuries. Climate of the Past, 2013, 9, 2269-2284.	1.3	75
116	The Effect of the South Pacific Convergence Zone on the Termination of El NiÃ±o Events and the Meridional Asymmetry of ENSO*. Journal of Climate, 2012, 25, 5566-5586.	1.2	117
117	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.	3.3	75
118	More extreme swings of the South Pacific convergence zone due to greenhouse warming. Nature, 2012, 488, 365-369.	13.7	160
119	Regional Patterns of Tropical Indo-Pacific Climate Change: Evidence of the Walker Circulation Weakening. Journal of Climate, 2012, 25, 1689-1710.	1.2	122
120	Detecting regional anthropogenic trends in ocean acidification against natural variability. Nature Climate Change, 2012, 2, 167-171.	8.1	83
121	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.	0.6	35
122	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.	0.6	59
123	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.	0.6	36
124	Enhanced warming over the global subtropical western boundary currents. Nature Climate Change, 2012, 2, 161-166.	8.1	564
125	Millennialâ€scale glacial meltwater pulses and their effect on the spatiotemporal benthicÎ´¹⁸O variability. Paleoceanography, 2012, 27, .	3.0	15
126	Quantifying the ocean's role in glacial CO₂ reductions. Climate of the Past, 2012, 8, 545-563.	1.3	30

#	Article	IF	Citations
127	Dynamics of the Atlantic meridional overturning circulation. Part 1: Buoyancy-forced response. Progress in Oceanography, 2012, 101, 33-62.	1.5	25
128	Impacts of ocean gateway and basin width on Tertiary tropical climate variability in a prototype model. Theoretical and Applied Climatology, 2012, 107, 155-164.	1.3	1
129	Hypothesized Link Between Glacial/Interglacial Atmospheric CO2 Cycles and Storage/Release of CO2-Rich Fluids From Deep-Sea Sediments. Geophysical Monograph Series, 2011, , 123-138.	0.1	10
130	Evidence for 800years of North Atlantic multi-decadal variability from a Puerto Rican speleothem. Earth and Planetary Science Letters, 2011, 308, 23-28.	1.8	34
131	The effect of topography-enhanced diapycnal mixing on ocean and atmospheric circulation and marine biogeochemistry. Ocean Modelling, 2011, 39, 262-274.	1.0	26
132	Deconstructing the Last Glacial termination: the role of millennial and orbital-scale forcings. Quaternary Science Reviews, 2011, 30, 1155-1172.	1.4	124
133	Interactions between marine biota and ENSO: a conceptual model analysis. Nonlinear Processes in Geophysics, 2011, 18, 29-40.	0.6	11
134	Phase Synchronization of the El NiÃ±o-Southern Oscillation with the Annual Cycle. Physical Review Letters, 2011, 107, 128501.	2.9	55
135	Reduced Interannual Rainfall Variability in East Africa During the Last Ice Age. Science, 2011, 333, 743-747.	6.0	146
136	The Effect of Explosive Tropical Volcanism on ENSO. Journal of Climate, 2011, 24, 2178-2191.	1.2	109
137	Impact of diurnal atmosphereâ€“ocean coupling on tropical climate simulations using a coupled GCM. Climate Dynamics, 2010, 34, 905-917.	1.7	44
138	The impact of global warming on the tropical Pacific Ocean and El NiÃ±o. Nature Geoscience, 2010, 3, 391-397.	5.4	1,029
139	A unified proxy for ENSO and PDO variability since 1650. Climate of the Past, 2010, 6, 1-17.	1.3	179
140	Deepwater Formation in the North Pacific During the Last Glacial Termination. Science, 2010, 329, 200-204.	6.0	229
141	Description of the Earth system model of intermediate complexity LOVECLIM version 1.2. Geoscientific Model Development, 2010, 3, 603-633.	1.3	279
142	The mechanism behind internally generated centennial-to-millennial scale climate variability in an earth system model of intermediate complexity. Geoscientific Model Development, 2010, 3, 377-389.	1.3	33
143	Mechanisms for the Onset of the African Humid Period and Sahara Greening 14.5â€“11 ka BP*. Journal of Climate, 2010, 23, 2612-2633.	1.2	39
144	Wind Effects on Past and Future Regional Sea Level Trends in the Southern Indo-Pacific*. Journal of Climate, 2010, 23, 4429-4437.	1.2	201

#	Article	IF	Citations
145	The Inverse Effect of Annual-Mean State and Annual-Cycle Changes on ENSO. Journal of Climate, 2010, 23, 1095-1110.	1.2	28
146	Seasonal Synchronization of ENSO Events in a Linear Stochastic Model*. Journal of Climate, 2010, 23, 5629-5643.	1.2	61
147	Reconstructing surface temperature changes over the past 600 years using climate model simulations with data assimilation. Journal of Geophysical Research, 2010, 115, .	3.3	78
148	Climate and biogeochemical response to a rapid melting of the West Antarctic Ice Sheet during interglacials and implications for future climate. Paleoceanography, 2010, 25, n/a-n/a.	3.0	66
149	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
150	Towards a quantitative understanding of millennial-scale Antarctic warming events. Quaternary Science Reviews, 2010, 29, 74-85.	1.4	31
151	Geochemical and climate modeling evidence for Holocene aridification in Hawaii: dynamic response to a weakening equatorial cold tongue. Quaternary Science Reviews, 2010, 29, 3057-3066.	1.4	12
152	Early Pliocene increase in thermohaline overturning: A precondition for the development of the modern equatorial Pacific cold tongue. Paleoceanography, 2010, 25, .	3.0	123
153	Warming Seas in the Coral Triangle: Coral Reef Vulnerability and Management Implications. Coastal Management, 2010, 38, 518-539.	1.0	74
154	The Roles of CO2 and Orbital Forcing in Driving Southern Hemispheric Temperature Variations during the Last 21 000 Yr*. Journal of Climate, 2009, 22, 1626-1640.	1.2	72
155	What Drives Climate Flip-Flops?. Science, 2009, 325, 273-274.	6.0	7
156	Effects of biologically induced differential heating in an eddyâ€permitting coupled oceanâ€ecosystem model. Journal of Geophysical Research, 2009, 114, .	3.3	34
157	Radiocarbon age anomaly at intermediate water depth in the Pacific Ocean during the last deglaciation. Paleoceanography, 2009, 24, .	3.0	82
158	North Pacific Climate Response to Freshwater Forcing in the Subarctic North Atlantic: Oceanic and Atmospheric Pathways. Journal of Climate, 2009, 22, 1424-1445.	1.2	140
159	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.	0.2	0
160	Meridional reorganizations of marine and terrestrial productivity during Heinrich events. Paleoceanography, 2008, 23, .	3.0	108
161	On the definition of seasons in paleoclimate simulations with orbital forcing. Paleoceanography, 2008, 23, .	3.0	51
162	Climate and marine carbon cycle response to changes in the strength of the Southern Hemispheric westerlies. Paleoceanography, 2008, 23, .	3.0	71

#	Article	IF	Citations
163	A midâ€Holocene transition in the nitrogen dynamics of the western equatorial Pacific: Evidence of a deepening thermocline?. Geophysical Research Letters, 2008, 35, .	1.5	23
164	Influences of Atlantic Climate Change on the Tropical Pacific via the Central American Isthmus*. Journal of Climate, 2008, 21, 3914-3928.	1.2	59
165	Effects of Salt Compensation on the Climate Model Response in Simulations of Large Changes of the Atlantic Meridional Overturning Circulation*. Journal of Climate, 2007, 20, 5912-5928.	1.2	35
166	The Influence of ENSO on the Generation of Decadal Variability in the North Pacific*. Journal of Climate, 2007, 20, 667-680.	1.2	39
167	The Effect of Orbital Forcing on the Mean Climate and Variability of the Tropical Pacific. Journal of Climate, 2007, 20, 4147-4159.	1.2	111
168	Simulation of the Last 21 000 Years Using Accelerated Transient Boundary Conditions*. Journal of Climate, 2007, 20, 4377-4401.	1.2	90
169	Ensemble-mean dynamics of the ENSO recharge oscillator under state-dependent stochastic forcing. Geophysical Research Letters, 2007, 34, .	1.5	120
170	Modulation of the bipolar seesaw in the Southeast Pacific during Termination 1. Earth and Planetary Science Letters, 2007, 259, 400-413.	1.8	155
171	Southern Hemisphere and Deep-Sea Warming Led Deglacial Atmospheric CO ₂ Rise and Tropical Warming. Science, 2007, 318, 435-438.	6.0	190
172	Fast advective recovery of the Atlantic meridional overturning circulation after a Heinrich event. Paleoceanography, 2007, 22, n/a-n/a.	3.0	18
173	Eastern tropical Pacific hydrologic changes during the past 27,000 years from D/H ratios in alkenones. Paleoceanography, 2007, 22, .	3.0	113
174	The Influence of a Weakening of the Atlantic Meridional Overturning Circulation on ENSO. Journal of Climate, 2007, 20, 4899-4919.	1.2	282
175	Tropical Airâ€“Sea Interactions Accelerate the Recovery of the Atlantic Meridional Overturning Circulation after a Major Shutdown. Journal of Climate, 2007, 20, 4940-4956.	1.2	100
176	Sub-Milankovitch cycles in periplatform carbonates from the early Pliocene Great Bahama Bank. Paleoceanography, 2006, 21, n/a-n/a.	3.0	29
177	The origin of the European "Medieval Warm Period". Climate of the Past, 2006, 2, 99-113.	1.3	89
178	An Initial Intercomparison of Atmospheric and Oceanic Climatology for the ICE-5G and ICE-4G Models of LGM Paleotopography. Journal of Climate, 2006, 19, 3-14.	1.2	21
179	Using paleoclimate proxy-data to select optimal realisations in an ensemble of simulations of the climate of the past millennium. Climate Dynamics, 2006, 27, 165-184.	1.7	97
180	Biophysical Feedbacks in the Tropical Pacific. Journal of Climate, 2005, 18, 58-70.	1.2	83

#	Article	IF	Citations
181	Synoptic Reorganization of Atmospheric Flow during the Last Glacial Maximum*. Journal of Climate, 2005, 18, 2826-2846.	1.2	56
182	ENSO Suppression due to Weakening of the North Atlantic Thermohaline Circulation*. Journal of Climate, 2005, 18, 3122-3139.	1.2	153
183	Internal and forced climate variability during the last millennium: a model-data comparison using ensemble simulations. Quaternary Science Reviews, 2005, 24, 1345-1360.	1.4	172
184	Mechanisms for millennial-scale global synchronization during the last glacial period. Paleoceanography, 2005, 20, n/a-n/a.	3.0	79
185	Nonlinear dimensionality reduction in climate data. Nonlinear Processes in Geophysics, 2004, 11, 393-398.	0.6	46
186	Strong hemispheric coupling of glacial climate through freshwater discharge and ocean circulation. Nature, 2004, 430, 851-856.	13.7	265
187	Surface temperature control in the North and tropical Pacific during the last glacial maximum. Climate Dynamics, 2004, 23, 353-370.	1.7	54
188	Is the wind stress forcing essential for the meridional overturning circulation?. Geophysical Research Letters, 2004, 31, .	1.5	44
189	Intensification of the annual cycle in the tropical Pacific due to greenhouse warming. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	46
190	The influence of the GalÃ¡pagos Islands on tropical temperatures, currents and the generation of tropical instability waves. Geophysical Research Letters, 2004, 31, .	1.5	31
191	Modeling evidence for enhanced El NiÃ±o-Southern Oscillation amplitude during the Last Glacial Maximum. Paleoceanography, 2004, 19, n/a-n/a.	3.0	35
192	Glacialâ€“interglacial contrast in climate variability at centennial-to-millennial timescales: observations and conceptual model. Quaternary Science Reviews, 2004, 23, 2219-2230.	1.4	27
193	An Organizing Center for Thermohaline Excitability. Journal of Physical Oceanography, 2004, 34, 2756-2760.	0.7	7
194	Strong El NiÃ±o events and nonlinear dynamical heating. Geophysical Research Letters, 2003, 30, 20-1.	1.5	258
195	Decadal ENSO amplitude modulations: a nonlinear paradigm. Global and Planetary Change, 2003, 37, 135-156.	1.6	75
196	A Nonlinear Theory for El NiÃ±o Bursting. Journals of the Atmospheric Sciences, 2003, 60, 152-165.	0.6	127
197	Biological feedback on El Nino and La Nina. , 2003, 4899, 56.		0
198	Coherent Resonant Millennial-Scale Climate Oscillations Triggered by Massive Meltwater Pulses. Journal of Climate, 2003, 16, 2569-2585.	1.2	110

#	Article	IF	Citations
199	Potential Feedbacks Between Pacific Ocean Ecosystems and Interdecadal Climate Variations. Bulletin of the American Meteorological Society, 2003, 84, 617-634.	1.7	55
200	Cyclic Markov chains with an application to an intermediate ENSO model. Nonlinear Processes in Geophysics, 2003, 10, 197-210.	0.6	17
201	Comments on â€œNoise-Induced Transitions in a Simplified Model of the Thermohaline Circulationâ€. Journal of Physical Oceanography, 2002, 32, 1112-1116.	0.7	11
202	Phytoplankton influences on tropical climate. Geophysical Research Letters, 2002, 29, 19-1-19-4.	1.5	73
203	Relaxation oscillators in concert: A framework for climate change at millennial timescales during the late Pleistocene. Geophysical Research Letters, 2002, 29, 46-1-46-4.	1.5	56
204	A Nonlinear Mechanism for Decadal El NiÃ±O Amplitude Changes. Geophysical Research Letters, 2002, 29, 3-1.	1.5	104
205	Changes of Enso stability due to greenhouse warming. Geophysical Research Letters, 2001, 28, 2061-2064.	1.5	24
206	Empirical Dynamical System Modeling of ENSO Using Nonlinear Inverse Techniques. Journal of Physical Oceanography, 2001, 31, 1579-1598.	0.7	26
207	Noise-Induced Transitions in a Simplified Model of the Thermohaline Circulation. Journal of Physical Oceanography, 2000, 30, 1891-1900.	0.7	44
208	Increased El NiÃ±o frequency in a climate model forced by future greenhouse warming. Nature, 1999, 398, 694-697.	13.7	1,120
209	Modes of climate variability as simulated by a coupled general circulation model. Part I: ENSO-like climate variability and its low-frequency modulation. Climate Dynamics, 1999, 15, 605-618.	1.7	32
210	Detecting the Nonstationary Response of ENSO to Greenhouse Warming. Journals of the Atmospheric Sciences, 1999, 56, 2313-2325.	0.6	58
211	Interannual to Decadal Predictability in a Coupled Oceanâ€“Atmosphere General Circulation Model. Journal of Climate, 1999, 12, 2607-2624.	1.2	61
212	Northern Hemispheric Interdecadal Variability: A Coupled Airâ€“Sea Mode. Journal of Climate, 1998, 11, 1906-1931.	1.2	280
213	Thermal photon production in heavy-ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 345, 307-312.	1.5	35
214	Photon interferometry of quark-gluon dynamics reexamined. Physical Review C, 1994, 50, 3060-3063.	1.1	18
215	Predictability of coupled processes. , 0, , 251-274.		3