

# Z Y Liu

## List of Publications by Year in descending order

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175  
papers

12,584  
citations

31976

53  
h-index

26613

107  
g-index

180  
all docs

180  
docs citations

180  
times ranked

9639  
citing authors

#	ARTICLE	IF	CITATIONS
1	A study of enhance parameter correction with coupled data assimilation for climate estimation and prediction using a simple coupled model. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 64, 10963.	1.7	54
2	Nonlinear Responses of Droughts Over China to Volcanic Eruptions at Different Drought Phases. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	5
3	Impact of Dust on Climate and AMOC During the Last Glacial Maximum Simulated by CESM1.2. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	4
4	Assessing the Modern Multi-Decadal Scale Aridification Over the Northern China From a Historical Perspective. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	4
5	Possible Thermal Effect of Tibetan Plateau on the Atlantic Meridional Overturning Circulation. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	4
6	Termination 1 Millennial-Scale Rainfall Events Over the Sunda Shelf. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	11
7	Local Insolation Drives Afro-Asian Monsoon at Orbital-Scale in Holocene. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	13
8	Large training dataset is crucial for analogue-based precipitation reconstruction during the early Holocene. <i>Science Bulletin</i> , 2022, , .	9.0	1
9	An Analog Offline EnKF for Paleoclimate Data Assimilation. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	3.8	4
10	Statistical calibrations to improve the 5-year prediction skill for SST over the North Atlantic. <i>Meteorology and Atmospheric Physics</i> , 2022, 134, .	2.0	2
11	Investigating Extratropical Influence on the Equatorial Atlantic Zonal Bias with Regional Data Assimilation. <i>Journal of Climate</i> , 2022, 35, 6101-6117.	3.2	1
12	The Different Relationships between the ENSO Spring Persistence Barrier and Predictability Barrier. <i>Journal of Climate</i> , 2022, 35, 6207-6218.	3.2	4
13	Interpreting the lake-status record of the East Asian monsoon using a hydrological model. <i>Quaternary Research</i> , 2021, 99, 80-95.	1.7	4
14	Hydroclimate footprint of pan-Asian monsoon water isotope during the last deglaciation. <i>Science Advances</i> , 2021, 7, .	10.3	66
15	Seasonal origin of the thermal maxima at the Holocene and the last interglacial. <i>Nature</i> , 2021, 589, 548-553.	27.8	154
16	Vegetation feedback causes delayed ecosystem response to East Asian Summer Monsoon Rainfall during the Holocene. <i>Nature Communications</i> , 2021, 12, 1843.	12.8	42
17	Can the Topography of Tibetan Plateau Affect the Antarctic Bottom Water?. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092448.	4.0	5
18	A Theory of the Spring Persistence Barrier on ENSO. Part I: The Role of ENSO Period. <i>Journal of Climate</i> , 2021, 34, 2145-2155.	3.2	9

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19	A Diurnal Predictability Barrier for Weather Forecasts. <i>Monthly Weather Review</i> , 2021, , .	1.4	1
20	Influence of Tibetan Plateau on the North American summer monsoon precipitation. <i>Climate Dynamics</i> , 2021, 57, 3093-3110.	3.8	2
21	A data-model comparison pinpoints Holocene spatiotemporal pattern of East Asian summer monsoon. <i>Quaternary Science Reviews</i> , 2021, 261, 106911.	3.0	72
22	Abrupt Heinrich Stadial 1 cooling missing in Greenland oxygen isotopes. <i>Science Advances</i> , 2021, 7, .	10.3	24
23	The Driving Mechanisms on Southern Ocean Upwelling Change during the Last Deglaciation. <i>Geosciences (Switzerland)</i> , 2021, 11, 266.	2.2	4
24	Antarctic surface temperature and elevation during the Last Glacial Maximum. <i>Science</i> , 2021, 372, 1097-1101.	12.6	61
25	Shallowing Glacial Antarctic Intermediate Water by Changes in Sea Ice and Hydrological Cycle. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094317.	4.0	4
26	Variation of summer precipitation $\delta^{18}O$ on the Chinese Loess Plateau since the last interglacial. <i>Journal of Quaternary Science</i> , 2021, 36, 1214-1220.	2.1	6
27	A Theory of the Spring Persistence Barrier on ENSO. Part III: The Role of Tropical Pacific Ocean Heat Content. <i>Journal of Climate</i> , 2021, 34, 8567-8577.	3.2	4
28	Global Oceanic Overturning Circulation Forced by the Competition between Greenhouse Gases and Continental Ice Sheets during the Last Deglaciation. <i>Journal of Climate</i> , 2021, 34, 7555-7570.	3.2	5
29	Remineralization dominating the $\delta^{13}C$ decrease in the mid-depth Atlantic during the last deglaciation. <i>Earth and Planetary Science Letters</i> , 2021, 571, 117106.	4.4	8
30	Deglacial trends in Indo-Pacific warm pool hydroclimate in an isotope-enabled Earth system model and implications for isotope-based paleoclimate reconstructions. <i>Quaternary Science Reviews</i> , 2021, 270, 107188.	3.0	10
31	On the Formation Mechanism of the Seasonal Persistence Barrier. <i>Journal of Climate</i> , 2021, 34, 479-494.	3.2	5
32	Deglacial variability of South China hydroclimate heavily contributed by autumn rainfall. <i>Nature Communications</i> , 2021, 12, 5875.	12.8	13
33	Testing Methods for Reconstructing Glacial Antarctic Circumpolar Current Transport in an Isotope-enabled Climate Model. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004183.	2.9	1
34	Onset and termination of Heinrich Stadial 4 and the underlying climate dynamics. <i>Communications Earth &amp; Environment</i> , 2021, 2, .	6.8	14
35	A mechanistic understanding of oxygen isotopic changes in the Western United States at the Last Glacial Maximum. <i>Quaternary Science Reviews</i> , 2021, 274, 107255.	3.0	13
36	Reply to: Non-trivial role of internal climate feedback on interglacial temperature evolution. <i>Nature</i> , 2021, 600, E4-E6.	27.8	2

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37	A Lagrangian Analysis of Water Vapor Sources and Pathways for Precipitation in East China in Different Stages of the East Asian Summer Monsoon. <i>Journal of Climate</i> , 2020, 33, 977-992.	3.2	42
38	Speleothems of South American and Asian Monsoons Influenced by a Green Sahara. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089695.	4.0	16
39	Holocene EASM-EAWM Relationship Across Different Timescales in CCSM3. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088451.	4.0	16
40	Stability Analysis of Interface Conditions for Ocean-Atmosphere Coupling. <i>Journal of Scientific Computing</i> , 2020, 84, 1.	2.3	4
41	Weakening Atlantic overturning circulation causes South Atlantic salinity pile-up. <i>Nature Climate Change</i> , 2020, 10, 998-1003.	18.8	38
42	One Drought and One Volcanic Eruption Influenced the History of China: The Late Ming Dynasty Mega-drought. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088124.	4.0	28
43	Assessing the potential capability of reconstructing glacial Atlantic water masses and AMOC using multiple proxies in CESM. <i>Earth and Planetary Science Letters</i> , 2020, 541, 116294.	4.4	22
44	Half-precessional cycle of thermocline temperature in the western equatorial Pacific and its bihemispheric dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7044-7051.	7.1	36
45	Distorted Pacific-North American teleconnection at the Last Glacial Maximum. <i>Climate of the Past</i> , 2020, 16, 199-209.	3.4	7
46	The Influences of Tropical Volcanic Eruptions with Different Magnitudes on Persistent Droughts over Eastern China. <i>Atmosphere</i> , 2020, 11, 210.	2.3	4
47	Moisture Source Tagging Confirming the Polar Amplification Effect in Amplifying the Temperature-180 Temporal Slope Since the LGM. <i>Atmosphere</i> , 2020, 11, 610.	2.3	0
48	Simulation of early Eocene water isotopes using an Earth system model and its implication for past climate reconstruction. <i>Earth and Planetary Science Letters</i> , 2020, 537, 116164.	4.4	30
49	Time Scale Dependence of the Meridional Coherence of the Atlantic Meridional Overturning Circulation. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015838.	2.6	13
50	North Atlantic subsurface temperature response controlled by effective freshwater input in Heinrich events. <i>Earth and Planetary Science Letters</i> , 2020, 539, 116247.	4.4	20
51	Coupled data assimilation and parameter estimation in coupled ocean-atmosphere models: a review. <i>Climate Dynamics</i> , 2020, 54, 5127-5144.	3.8	53
52	How Do Volcanic Eruptions Influence Decadal Megadroughts over Eastern China?. <i>Journal of Climate</i> , 2020, 33, 8195-8207.	3.2	14
53	Dynamic Effect of Last Glacial Maximum Ice Sheet Topography on the East Asian Summer Monsoon. <i>Journal of Climate</i> , 2020, 33, 6929-6944.	3.2	10
54	Strongly Coupled Data Assimilation Using Leading Averaged Coupled Covariance (LACC). Part III: Assimilation of Real World Reanalysis. <i>Monthly Weather Review</i> , 2020, 148, 2351-2364.	1.4	4

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55	A Multi-timescale EnO-like High-efficiency Approximate Filter for Coupled Model Data Assimilation. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 45-63.	3.8	8
56	Orbital modulation of ENSO seasonal phase locking. <i>Climate Dynamics</i> , 2019, 52, 4329-4350.	3.8	14
57	Effect of El Niño on the response ratio of Hadley circulation to different SST meridional structures. <i>Climate Dynamics</i> , 2019, 53, 3877-3891.	3.8	17
58	Prominent Precession Band Variance in ENSO Intensity Over the Last 300,000 Years. <i>Geophysical Research Letters</i> , 2019, 46, 9786-9795.	4.0	27
59	Varying Sensitivity of East Asia Summer Monsoon Circulation to Temperature Change Since Last Glacial Maximum. <i>Geophysical Research Letters</i> , 2019, 46, 9103-9109.	4.0	12
60	Sensitivity determined simultaneous estimation of multiple parameters in coupled models: part I—based on single model component sensitivities. <i>Climate Dynamics</i> , 2019, 53, 5349-5373.	3.8	8
61	Seasonal Cycle of Background in the Tropical Pacific as a Cause of ENSO Spring Persistence Barrier. <i>Geophysical Research Letters</i> , 2019, 46, 13371-13378.	4.0	12
62	The Connected Isotopic Water Cycle in the Community Earth System Model Version 1. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 2547-2566.	3.8	111
63	Holocene temperature response to external forcing: assessing the linear response and its spatial and temporal dependence. <i>Climate of the Past</i> , 2019, 15, 1411-1425.	3.4	1
64	The transient response of atmospheric and oceanic heat transports to anthropogenic warming. <i>Nature Climate Change</i> , 2019, 9, 222-226.	18.8	28
65	Direct ENSO impact on East Asian summer precipitation in the developing summer. <i>Climate Dynamics</i> , 2019, 52, 6799-6815.	3.8	41
66	Atlantic Circulation and Ice Sheet Influences on Upper South Atlantic Temperatures During the Last Deglaciation. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 990-1005.	2.9	10
67	Modeling Neodymium Isotopes in the Ocean Component of the Community Earth System Model (CESM1). <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 624-640.	3.8	18
68	Assessing the Ability of Zonal $^{18}\text{O}$ Contrast in Benthic Foraminifera to Reconstruct Deglacial Evolution of Atlantic Meridional Overturning Circulation. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 800-812.	2.9	10
69	Parameter Optimization for Real-World ENSO Forecast in an Intermediate Coupled Model. <i>Monthly Weather Review</i> , 2019, 147, 1429-1445.	1.4	12
70	General seasonal phase-locking of variance and persistence: application to tropical pacific, north pacific and global ocean. <i>Climate Dynamics</i> , 2019, 53, 2825-2842.	3.8	4
71	A Theory for the Seasonal Predictability Barrier: Threshold, Timing, and Intensity. <i>Journal of Climate</i> , 2019, 32, 423-443.	3.2	33
72	Mechanisms and Predictability of Pacific Decadal Variability. <i>Current Climate Change Reports</i> , 2018, 4, 128-144.	8.6	60

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73	Estimating Convection Parameters in the GFDL CM2.1 Model Using Ensemble Data Assimilation. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 989-1010.	3.8	10
74	A Possible Role of Dust in Resolving the Holocene Temperature Conundrum. <i>Scientific Reports</i> , 2018, 8, 4434.	3.3	37
75	Potential predictability and forecast skill in ensemble climate forecast: a skill-persistence rule. <i>Climate Dynamics</i> , 2018, 51, 2725-2742.	3.8	10
76	Model bias for South Atlantic Antarctic intermediate water in CMIP5. <i>Climate Dynamics</i> , 2018, 50, 3613-3624.	3.8	9
77	Last Century Warming Over the Canadian Atlantic Shelves Linked to Weak Atlantic Meridional Overturning Circulation. <i>Geophysical Research Letters</i> , 2018, 45, 12,376.	4.0	33
78	Examining El Niño in the Holocene: implications and challenges. <i>National Science Review</i> , 2018, 5, 807-809.	9.5	5
79	Assessing Extratropical Influence on Observed El Niño Southern Oscillation Events Using Regional Coupled Data Assimilation. <i>Journal of Climate</i> , 2018, 31, 8961-8969.	3.2	11
80	Interpreting Precession-Driven $\delta^{18}O$ Variability in the South Asian Monsoon Region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 5927-5946.	3.3	49
81	A Review of Paleo El Niño-Southern Oscillation. <i>Atmosphere</i> , 2018, 9, 130.	2.3	54
82	Precession-band variance missing from East Asian monsoon runoff. <i>Nature Communications</i> , 2018, 9, 3364.	12.8	112
83	Local and Remote Responses of Atmospheric and Oceanic Heat Transports to Climate Forcing: Compensation versus Collaboration. <i>Journal of Climate</i> , 2018, 31, 6445-6460.	3.2	8
84	Understanding the control of extratropical atmospheric variability on ENSO using a coupled data assimilation approach. <i>Climate Dynamics</i> , 2017, 48, 3139-3160.	3.8	29
85	Reduced ENSO variability at the LGM revealed by an isotope-enabled Earth system model. <i>Geophysical Research Letters</i> , 2017, 44, 6984-6992.	4.0	71
86	Overlooked possibility of a collapsed Atlantic Meridional Overturning Circulation in warming climate. <i>Science Advances</i> , 2017, 3, e1601666.	10.3	199
87	Asynchronous warming and $\delta^{18}O$ evolution of deep Atlantic water masses during the last deglaciation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11075-11080.	7.1	38
88	Impact of the time scale of model sensitivity response on coupled model parameter estimation. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 1346-1357.	4.3	5
89	Coherent Response of Antarctic Intermediate Water and Atlantic Meridional Overturning Circulation During the Last Deglaciation: Reconciling Contrasting Neodymium Isotope Reconstructions From the Tropical Atlantic. <i>Paleoceanography</i> , 2017, 32, 1036-1053.	3.0	23
90	The global monsoon across time scales: Mechanisms and outstanding issues. <i>Earth-Science Reviews</i> , 2017, 174, 84-121.	9.1	290

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91	A Systematic Comparison of Particle Filter and EnKF in Assimilating Time-Averaged Observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 13,155.	3.3	6
92	Greening of the Sahara suppressed ENSO activity during the mid-Holocene. <i>Nature Communications</i> , 2017, 8, 16020.	12.8	63
93	Investigating the Direct Meltwater Effect in Terrestrial Oxygen-Isotope Paleoclimate Records Using an Isotope-Enabled Earth System Model. <i>Geophysical Research Letters</i> , 2017, 44, 12,501.	4.0	10
94	Assessing extratropical impact on the tropical bias in coupled climate model with regional coupled data assimilation. <i>Geophysical Research Letters</i> , 2017, 44, 3384-3392.	4.0	7
95	$^{231}\text{Pa}$ and $^{230}\text{Th}$ in the ocean model of the Community Earth System Model (CESM1.3). <i>Geoscientific Model Development</i> , 2017, 10, 4723-4742.	3.6	18
96	Modeling precipitation variability in East Asia since the Last Glacial Maximum: temperature and amount effects across different timescales. <i>Climate of the Past</i> , 2016, 12, 2077-2085.	3.4	6
97	Assessing Bjerknes Compensation for Climate Variability and Its Time-Scale Dependence. <i>Journal of Climate</i> , 2016, 29, 5501-5512.	3.2	11
98	Correlation and anti-correlation of the East Asian summer and winter monsoons during the last 21,000 years. <i>Nature Communications</i> , 2016, 7, 11999.	12.8	135
99	Reply to Parker: Robust response of AMOC interdecadal variability to future intense warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2762-E2763.	7.1	0
100	Understanding Bjerknes Compensation in Atmosphere and Ocean Heat Transports Using a Coupled Box Model. <i>Journal of Climate</i> , 2016, 29, 2145-2160.	3.2	22
101	Understanding the temporal slope of the temperature-water isotope relation during the deglaciation using isoCAM3: The slope equation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 10,342.	3.3	10
102	Assimilating atmosphere reanalysis in coupled data assimilation. <i>Journal of Meteorological Research</i> , 2016, 30, 572-583.	2.4	5
103	Contrasting Responses of the Hadley Circulation to Equatorially Asymmetric and Symmetric Meridional Sea Surface Temperature Structures. <i>Journal of Climate</i> , 2016, 29, 8949-8963.	3.2	30
104	The Role of Large-Scale Feedbacks in Cumulus Convection Parameter Estimation. <i>Journal of Climate</i> , 2016, 29, 4099-4119.	3.2	4
105	Abrupt intensification of ENSO forced by deglacial ice-sheet retreat in CCSM3. <i>Climate Dynamics</i> , 2016, 46, 1877-1891.	3.8	21
106	Reduced interdecadal variability of Atlantic Meridional Overturning Circulation under global warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3175-3178.	7.1	38
107	A Theory for Bjerknes Compensation: The Role of Climate Feedback. <i>Journal of Climate</i> , 2016, 29, 191-208.	3.2	22
108	Climatic controls on the interannual to decadal variability in Saudi Arabian dust activity: Toward the development of a seasonal dust prediction model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 1739-1758.	3.3	110

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109	Heat Transport Compensation in Atmosphere and Ocean over the Past 22,000 Years. <i>Scientific Reports</i> , 2015, 5, 16661.	3.3	20
110	Strongly Coupled Data Assimilation Using Leading Averaged Coupled Covariance (LACC). Part II: CGCM Experiments*. <i>Monthly Weather Review</i> , 2015, 143, 4645-4659.	1.4	28
111	Direct impact of El Niño on East Asian summer precipitation in the observation. <i>Climate Dynamics</i> , 2015, 44, 2979-2987.	3.8	20
112	Regional and global forcing of glacier retreat during the last deglaciation. <i>Nature Communications</i> , 2015, 6, 8059.	12.8	71
113	The Holocene temperature conundrum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3501-5.	7.1	344
114	Ensemble-Based Parameter Estimation in a Coupled GCM Using the Adaptive Spatial Average Method*. <i>Journal of Climate</i> , 2014, 27, 4002-4014.	3.2	27
115	Coherent changes of southeastern equatorial and northern African rainfall during the last deglaciation. <i>Science</i> , 2014, 346, 1223-1227.	12.6	172
116	Evolution and forcing mechanisms of El Niño over the past 21,000 years. <i>Nature</i> , 2014, 515, 550-553.	27.8	228
117	Linear weakening of the AMOC in response to receding glacial ice sheets in CCSM3. <i>Geophysical Research Letters</i> , 2014, 41, 6252-6258.	4.0	53
118	Greenland temperature response to climate forcing during the last deglaciation. <i>Science</i> , 2014, 345, 1177-1180.	12.6	226
119	Ensemble-Based Parameter Estimation in a Coupled General Circulation Model. <i>Journal of Climate</i> , 2014, 27, 7151-7162.	3.2	28
120	Deglacial δ <sup>18</sup> O and hydrologic variability in the tropical Pacific and Indian Oceans. <i>Earth and Planetary Science Letters</i> , 2014, 387, 240-251.	4.4	69
121	Chinese cave records and the East Asia Summer Monsoon. <i>Quaternary Science Reviews</i> , 2014, 83, 115-128.	3.0	452
122	The role of North Brazil Current transport in the paleoclimate of the Brazilian Nordeste margin and paleoceanography of the western tropical Atlantic during the late Quaternary. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 415, 3-13.	2.3	58
123	A study of impact of the geographic dependence of observing system on parameter estimation with an intermediate coupled model. <i>Climate Dynamics</i> , 2013, 40, 1789-1798.	3.8	24
124	Patterns and mechanisms of early Pliocene warmth. <i>Nature</i> , 2013, 496, 43-49.	27.8	290
125	Dynamic analogue initialization for ensemble forecasting. <i>Advances in Atmospheric Sciences</i> , 2013, 30, 1406-1420.	4.3	5
126	Global Hydrological Cycle Response to Rapid and Slow Global Warming. <i>Journal of Climate</i> , 2013, 26, 8781-8786.	3.2	23

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127	Variation of East Asian monsoon precipitation during the past 21 k.y. and potential CO <sub>2</sub> forcing. <i>Geology</i> , 2013, 41, 1023-1026.	4.4	271
128	Assessing temporal and spatial variations in atmospheric dust over Saudi Arabia through satellite, radiometric, and station data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 13,253.	3.3	70
129	Northern Hemisphere forcing of Southern Hemisphere climate during the last deglaciation. <i>Nature</i> , 2013, 494, 81-85.	27.8	186
130	Assessing Atmospheric Response to Surface Forcing in the Observations. Part I: Cross Validation of Annual Response Using GEFA, LIM, and FDT. <i>Journal of Climate</i> , 2012, 25, 6796-6816.	3.2	16
131	Assessing Atmospheric Response to Surface Forcing in the Observations. Part II: Cross Validation of Seasonal Response Using GEFA and LIM. <i>Journal of Climate</i> , 2012, 25, 6817-6834.	3.2	13
132	Younger Dryas cooling and the Greenland climate response to CO <sub>2</sub> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 11101-11104.	7.1	85
133	Dynamics of Interdecadal Climate Variability: A Historical Perspective*. <i>Journal of Climate</i> , 2012, 25, 1963-1995.	3.2	204
134	Impact of Geographic-Dependent Parameter Optimization on Climate Estimation and Prediction: Simulation with an Intermediate Coupled Model. <i>Monthly Weather Review</i> , 2012, 140, 3956-3971.	1.4	33
135	Global warming preceded by increasing carbon dioxide concentrations during the last deglaciation. <i>Nature</i> , 2012, 484, 49-54.	27.8	1,141
136	Global climate evolution during the last deglaciation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1134-42.	7.1	422
137	Ice-shelf collapse from subsurface warming as a trigger for Heinrich events. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13415-13419.	7.1	278
138	Novel superconducting rf structure for ampere-class beam current for multi-GeV energy recovery linacs. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2010, 13, .	1.8	5
139	Transient Simulation of Last Deglaciation with a New Mechanism for BÅlling-AllerÅ,d Warming. <i>Science</i> , 2009, 325, 310-314.	12.6	843
140	On the Mechanism of Pacific Multidecadal Climate Variability in CCSM3: The Role of the Subpolar North Pacific Ocean. <i>Journal of Physical Oceanography</i> , 2009, 39, 2052-2076.	1.7	34
141	Basin mode of Indian Ocean sea surface temperature and Northern Hemisphere circumglobal teleconnection. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	55
142	Tropical SST Response to Global Warming in the Twentieth Century. <i>Journal of Climate</i> , 2009, 22, 1305-1312.	3.2	5
143	Simulation of the evolutionary response of global summer monsoons to orbital forcing over the past 280,000Åyears. <i>Climate Dynamics</i> , 2008, 30, 567-579.	3.8	230
144	NonÅ€linear alignment of El NiÅ±o to the 11Å€yr solar cycle. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	65

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145	Southern Hemisphere forcing of Pliocene $18^{\circ}\text{O}$ and the evolution of Indo-Asian monsoons. <i>Paleoceanography</i> , 2008, 23, .	3.0	139
146	Origin of Pacific Multidecadal Variability in Community Climate System Model, Version 3 (CCSM3): A Combined Statistical and Dynamical Assessment. <i>Journal of Climate</i> , 2008, 21, 114-133.	3.2	37
147	Seasonal and Long-Term Atmospheric Responses to Reemerging North Pacific Ocean Variability: A Combined Dynamical and Statistical Assessment*. <i>Journal of Climate</i> , 2007, 20, 955-980.	3.2	56
148	Simulating the transient evolution and abrupt change of Northern Africa atmosphere-ocean-terrestrial ecosystem in the Holocene. <i>Quaternary Science Reviews</i> , 2007, 26, 1818-1837.	3.0	159
149	Atmospheric bridge, oceanic tunnel, and global climatic teleconnections. <i>Reviews of Geophysics</i> , 2007, 45, .	23.0	322
150	Impact of the Indian Ocean SST basin mode on the Asian summer monsoon. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	628
151	An observational study of the impact of the North Pacific SST on the atmosphere. <i>Geophysical Research Letters</i> , 2006, 33, n/a-n/a.	4.0	57
152	On the cause of abrupt vegetation collapse in North Africa during the Holocene: Climate variability vs. vegetation feedback. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	99
153	Assessing Global Vegetation-Climate Feedbacks from Observations*. <i>Journal of Climate</i> , 2006, 19, 787-814.	3.2	189
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