Z Y Liu

List of Publications by Year
in descending order

175	12,584	31976	26613
papers	citations	53 h-index	107 g-index

180	180	180	9639
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global warming preceded by increasing carbon dioxide concentrations during the last deglaciation. Nature, 2012, 484, 49-54.	27.8	1,141
2	Transient Simulation of Last Deglaciation with a New Mechanism for BÃ¸lling-AllerÃ¸d Warming. Science, 2009, 325, 310-314.	12.6	843
3	Impact of the Indian Ocean SST basin mode on the Asian summer monsoon. Geophysical Research Letters, 2007, 34, .	4.0	628
4	Chinese cave records and the East Asia Summer Monsoon. Quaternary Science Reviews, 2014, 83, 115-128.	3.0	452
5	Global climate evolution during the last deglaciation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1134-42.	7.1	422
6	The Holocene temperature conundrum. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E3501-5.	7.1	344
7	Atmospheric bridge, oceanic tunnel, and global climatic teleconnections. Reviews of Geophysics, 2007, 45, .	23.0	322
8	Patterns and mechanisms of early Pliocene warmth. Nature, 2013, 496, 43-49.	27.8	290
9	The global monsoon across time scales: Mechanisms and outstanding issues. Earth-Science Reviews, 2017, 174, 84-121.	9.1	290
10	Modeling climate shift of El Nino variability in the Holocene. Geophysical Research Letters, 2000, 27, 2265-2268.	4.0	289
11	Ice-shelf collapse from subsurface warming as a trigger for Heinrich events. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13415-13419.	7.1	278
12	Variation of East Asian monsoon precipitation during the past 21 k.y. and potential CO2 forcing. Geology, 2013, 41, 1023-1026.	4.4	271
13	Simulation of the evolutionary response of global summer monsoons to orbital forcing over the past 280,000Âyears. Climate Dynamics, 2008, 30, 567-579.	3.8	230
14	Evolution and forcing mechanisms of El NiÃ±o over the past 21,000 years. Nature, 2014, 515, 550-553.	27.8	228
15	Greenland temperature response to climate forcing during the last deglaciation. Science, 2014, 345, 1177-1180.	12.6	226
16	Rethinking Tropical Ocean Response to Global Warming: The Enhanced Equatorial Warming*. Journal of Climate, 2005, 18, 4684-4700.	3.2	212
17	Dynamics of Interdecadal Climate Variability: A Historical Perspective*. Journal of Climate, 2012, 25, 1963-1995.	3.2	204
18	Global monsoons in the mid-Holocene and oceanic feedback. Climate Dynamics, 2004, 22, 157-182.	3.8	203

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19	Overlooked possibility of a collapsed Atlantic Meridional Overturning Circulation in warming climate. Science Advances, 2017, 3, e1601666.	10.3	199
20	Assessing Global Vegetationâ€“Climate Feedbacks from Observations*. Journal of Climate, 2006, 19, 787-814.	3.2	189
21	Northern Hemisphere forcing of Southern Hemisphere climate during the last deglaciation. Nature, 2013, 494, 81-85.	27.8	186
22	A GCM Study of Tropicalâ€“Subtropical Upper-Ocean Water Exchange. Journal of Physical Oceanography, 1994, 24, 2606-2623.	1.7	180
23	Coupled Climate Simulation of the Evolution of Global Monsoons in the Holocene*. Journal of Climate, 2003, 16, 2472-2490.	3.2	179
24	Coherent changes of southeastern equatorial and northern African rainfall during the last deglaciation. Science, 2014, 346, 1223-1227.	12.6	172
25	Simulating the transient evolution and abrupt change of Northern Africa atmosphereâ€“oceanâ€“terrestrial ecosystem in the Holocene. Quaternary Science Reviews, 2007, 26, 1818-1837.	3.0	159
26	Seasonal origin of the thermal maxima at the Holocene and the last interglacial. Nature, 2021, 589, 548-553.	27.8	154
27	Pacific Decadal Variability: The Tropical Pacific Mode and the North Pacific Mode*. Journal of Climate, 2003, 16, 1101-1120.	3.2	153
28	Southern Hemisphere forcing of Pliocene Î´¹⁸O and the evolution of Indoâ€Asian monsoons. Paleoceanography, 2008, 23, .	3.0	139
29	Correlation and anti-correlation of the East Asian summer and winter monsoons during the last 21,000 years. Nature Communications, 2016, 7, 11999.	12.8	135
30	Precession-band variance missing from East Asian monsoon runoff. Nature Communications, 2018, 9, 3364.	12.8	112
31	The Connected Isotopic Water Cycle in the Community Earth System Model Version 1. Journal of Advances in Modeling Earth Systems, 2019, 11, 2547-2566.	3.8	111
32	Climatic controls on the interannual to decadal variability in Saudi Arabian dust activity: Toward the development of a seasonal dust prediction model. Journal of Geophysical Research D: Atmospheres, 2015, 120, 1739-1758.	3.3	110
33	Forced Planetary Wave Response in a Thermocline Gyre. Journal of Physical Oceanography, 1999, 29, 1036-1055.	1.7	102
34	On the cause of abrupt vegetation collapse in North Africa during the Holocene: Climate variability vs. vegetation feedback. Geophysical Research Letters, 2006, 33, .	4.0	99
35	Modeling El NiÃ±o and its tropical teleconnections during the last glacial-interglacial cycle. Geophysical Research Letters, 2003, 30, n/a-n/a.	4.0	86
36	Younger Dryas cooling and the Greenland climate response to CO ₂. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11101-11104.	7.1	85

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37	A data-model comparison pinpoints Holocene spatiotemporal pattern of East Asian summer monsoon. Quaternary Science Reviews, 2021, 261, 106911.	3.0	72
38	Regional and global forcing of glacier retreat during the last deglaciation. Nature Communications, 2015, 6, 8059.	12.8	71
39	Reduced ENSO variability at the LGM revealed by an isotopeâ€enabled Earth system model. Geophysical Research Letters, 2017, 44, 6984-6992.	4.0	71
40	Assessing temporal and spatial variations in atmospheric dust over Saudi Arabia through satellite, radiometric, and station data. Journal of Geophysical Research D: Atmospheres, 2013, 118, 13,253.	3.3	70
41	Equatorward Propagation of Coupled Airâ€“Sea Disturbances with Application to the Annual Cycle of the Eastern Tropical Pacific. Journals of the Atmospheric Sciences, 1994, 51, 3807-3822.	1.7	69
42	Deglacial Î´18O and hydrologic variability in the tropical Pacific and Indian Oceans. Earth and Planetary Science Letters, 2014, 387, 240-251.	4.4	69
43	Hydroclimate footprint of pan-Asian monsoon water isotope during the last deglaciation. Science Advances, 2021, 7, .	10.3	66
44	The Tibetan Plateau as amplifier of orbital-scale variability of the East Asian monsoon. Geophysical Research Letters, 2003, 30, .	4.0	65
45	Nonâ€linear alignment of El NiÃ±o to the 11â€yr solar cycle. Geophysical Research Letters, 2008, 35, .	4.0	65
46	Search for the origins of Pacific decadal climate variability. Geophysical Research Letters, 2002, 29, 42-1-42-4.	4.0	64
47	Greening of the Sahara suppressed ENSO activity during the mid-Holocene. Nature Communications, 2017, 8, 16020.	12.8	63
48	Antarctic surface temperature and elevation during the Last Glacial Maximum. Science, 2021, 372, 1097-1101.	12.6	61
49	Mechanisms and Predictability of Pacific Decadal Variability. Current Climate Change Reports, 2018, 4, 128-144.	8.6	60
50	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. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 415, 3-13.	2.3	58
51	An observational study of the impact of the North Pacific SST on the atmosphere. Geophysical Research Letters, 2006, 33, n/a-n/a.	4.0	57
52	Seasonal and Long-Term Atmospheric Responses to Reemerging North Pacific Ocean Variability: A Combined Dynamical and Statistical Assessment*. Journal of Climate, 2007, 20, 955-980.	3.2	56
53	Basin mode of Indian Ocean sea surface temperature and Northern Hemisphere circumglobal teleconnection. Geophysical Research Letters, 2009, 36, .	4.0	55
54	A study of enhancive parameter correction with coupled data assimilation for climate estimation and prediction using a simple coupled model. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 64, 10963.	1.7	54

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55	A Review of Paleo El NiÃ±o-Southern Oscillation. Atmosphere, 2018, 9, 130.	2.3	54
56	A Coupled Theory of Tropical Climatology: Warm Pool, Cold Tongue, and Walker Circulation. Journal of Climate, 1997, 10, 1662-1679.	3.2	53
57	Linear weakening of the AMOC in response to receding glacial ice sheets in CCSM3. Geophysical Research Letters, 2014, 41, 6252-6258.	4.0	53
58	Coupled data assimilation and parameter estimation in coupled oceanâ€“atmosphere models: a review. Climate Dynamics, 2020, 54, 5127-5144.	3.8	53
59	Interpreting Precessionâ€Driven Î´¹⁸O Variability in the South Asian Monsoon Region. Journal of Geophysical Research D: Atmospheres, 2018, 123, 5927-5946.	3.3	49
60	Planetary wave modes in the thermocline: Nonâ€Dopplerâ€shift mode, advective mode and Green mode. Quarterly Journal of the Royal Meteorological Society, 1999, 125, 1315-1339.	2.7	46
61	Hemispheric Insolation Forcing of the Indian Ocean and Asian Monsoon: Local versus Remote Impacts*. Journal of Climate, 2006, 19, 6195-6208.	3.2	45
62	A Lagrangian Analysis of Water Vapor Sources and Pathways for Precipitation in East China in Different Stages of the East Asian Summer Monsoon. Journal of Climate, 2020, 33, 977-992.	3.2	42
63	Vegetation feedback causes delayed ecosystem response to East Asian Summer Monsoon Rainfall during the Holocene. Nature Communications, 2021, 12, 1843.	12.8	42
64	Direct ENSO impact on East Asian summer precipitation in the developing summer. Climate Dynamics, 2019, 52, 6799-6815.	3.8	41
65	Reduced interdecadal variability of Atlantic Meridional Overturning Circulation under global warming. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3175-3178.	7.1	38
66	Asynchronous warming and Î´ ¹⁸ O evolution of deep Atlantic water masses during the last deglaciation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11075-11080.	7.1	38
67	Weakening Atlantic overturning circulation causes South Atlantic salinity pile-up. Nature Climate Change, 2020, 10, 998-1003.	18.8	38
68	Origin of Pacific Multidecadal Variability in Community Climate System Model, Version 3 (CCSM3): A Combined Statistical and Dynamical Assessment. Journal of Climate, 2008, 21, 114-133.	3.2	37
69	A Possible Role of Dust in Resolving the Holocene Temperature Conundrum. Scientific Reports, 2018, 8, 4434.	3.3	37
70	Half-precessional cycle of thermocline temperature in the western equatorial Pacific and its bihemispheric dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7044-7051.	7.1	36
71	Rossby Waveâ€“Coastal Kelvin Wave Interaction in the Extratropics. Part I: Low-Frequency Adjustment in a Closed Basin. Journal of Physical Oceanography, 1999, 29, 2382-2404.	1.7	35
72	Tropicalâ€“extratropical climate interaction as revealed in idealized coupled climate model experiments. Climate Dynamics, 2005, 24, 863-879.	3.8	34

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73	On the Mechanism of Pacific Multidecadal Climate Variability in CCSM3: The Role of the Subpolar North Pacific Ocean. Journal of Physical Oceanography, 2009, 39, 2052-2076.	1.7	34
74	Impact of Geographic-Dependent Parameter Optimization on Climate Estimation and Prediction: Simulation with an Intermediate Coupled Model. Monthly Weather Review, 2012, 140, 3956-3971.	1.4	33
75	Last Century Warming Over the Canadian Atlantic Shelves Linked to Weak Atlantic Meridional Overturning Circulation. Geophysical Research Letters, 2018, 45, 12,376.	4.0	33
76	A Theory for the Seasonal Predictability Barrier: Threshold, Timing, and Intensity. Journal of Climate, 2019, 32, 423-443.	3.2	33
77	Contrasting Responses of the Hadley Circulation to Equatorially Asymmetric and Symmetric Meridional Sea Surface Temperature Structures. Journal of Climate, 2016, 29, 8949-8963.	3.2	30
78	Simulation of early Eocene water isotopes using an Earth system model and its implication for past climate reconstruction. Earth and Planetary Science Letters, 2020, 537, 116164.	4.4	30
79	Understanding the control of extratropical atmospheric variability on ENSO using a coupled data assimilation approach. Climate Dynamics, 2017, 48, 3139-3160.	3.8	29
80	Ensemble-Based Parameter Estimation in a Coupled General Circulation Model. Journal of Climate, 2014, 27, 7151-7162.	3.2	28
81	Strongly Coupled Data Assimilation Using Leading Averaged Coupled Covariance (LACC). Part II: CGCM Experiments*. Monthly Weather Review, 2015, 143, 4645-4659.	1.4	28
82	The transient response of atmospheric and oceanic heat transports to anthropogenic warming. Nature Climate Change, 2019, 9, 222-226.	18.8	28
83	One Drought and One Volcanic Eruption Influenced the History of China: The Late Ming Dynasty Megaâ€drought. Geophysical Research Letters, 2020, 47, e2020GL088124.	4.0	28
84	Ensemble-Based Parameter Estimation in a Coupled GCM Using the Adaptive Spatial Average Method*. Journal of Climate, 2014, 27, 4002-4014.	3.2	27
85	Prominent Precession Band Variance in ENSO Intensity Over the Last 300,000 Years. Geophysical Research Letters, 2019, 46, 9786-9795.	4.0	27
86	Response of the Equatorial Thermocline to Extratropical Buoyancy Forcing. Journal of Physical Oceanography, 2000, 30, 2883-2905.	1.7	24
87	A study of impact of the geographic dependence of observing system on parameter estimation with an intermediate coupled model. Climate Dynamics, 2013, 40, 1789-1798.	3.8	24
88	Abrupt Heinrich Stadial 1 cooling missing in Greenland oxygen isotopes. Science Advances, 2021, 7, .	10.3	24
89	Global Hydrological Cycle Response to Rapid and Slow Global Warming. Journal of Climate, 2013, 26, 8781-8786.	3.2	23
90	Coherent Response of Antarctic Intermediate Water and Atlantic Meridional Overturning Circulation During the Last Deglaciation: Reconciling Contrasting Neodymium Isotope Reconstructions From the Tropical Atlantic. Paleoceanography, 2017, 32, 1036-1053.	3.0	23

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91	Understanding Bjerknes Compensation in Atmosphere and Ocean Heat Transports Using a Coupled Box Model. Journal of Climate, 2016, 29, 2145-2160.	3.2	22
92	A Theory for Bjerknes Compensation: The Role of Climate Feedback. Journal of Climate, 2016, 29, 191-208.	3.2	22
93	Assessing the potential capability of reconstructing glacial Atlantic water masses and AMOC using multiple proxies in CESM. Earth and Planetary Science Letters, 2020, 541, 116294.	4.4	22
94	Abrupt intensification of ENSO forced by deglacial ice-sheet retreat in CCSM3. Climate Dynamics, 2016, 46, 1877-1891.	3.8	21
95	Heat Transport Compensation in Atmosphere and Ocean over the Past 22,000 Years. Scientific Reports, 2015, 5, 16661.	3.3	20
96	Direct impact of El NiÃ±o on East Asian summer precipitation in the observation. Climate Dynamics, 2015, 44, 2979-2987.	3.8	20
97	North Atlantic subsurface temperature response controlled by effective freshwater input in â€œHeinrichâ€•events. Earth and Planetary Science Letters, 2020, 539, 116247.	4.4	20
98	²³¹Pa and ²³⁰Th in the ocean model of the Community Earth System Model (CESM1.3). Geoscientific Model Development, 2017, 10, 4723-4742.	3.6	18
99	Modeling Neodymium Isotopes in the Ocean Component of the Community Earth System Model (CESM1). Journal of Advances in Modeling Earth Systems, 2019, 11, 624-640.	3.8	18
100	Effect of El NiÃ±o on the response ratio of Hadley circulation to different SST meridional structures. Climate Dynamics, 2019, 53, 3877-3891.	3.8	17
101	Assessing Atmospheric Response to Surface Forcing in the Observations. Part I: Cross Validation of Annual Response Using GEFA, LIM, and FDT. Journal of Climate, 2012, 25, 6796-6816.	3.2	16
102	Speleothems of South American and Asian Monsoons Influenced by a Green Sahara. Geophysical Research Letters, 2020, 47, e2020GL089695.	4.0	16
103	Holocene EASMâ€EAWM Relationship Across Different Timescales in CCSM3. Geophysical Research Letters, 2020, 47, e2020GL088451.	4.0	16
104	Orbital modulation of ENSO seasonal phase locking. Climate Dynamics, 2019, 52, 4329-4350.	3.8	14
105	How Do Volcanic Eruptions Influence Decadal Megadroughts over Eastern China?. Journal of Climate, 2020, 33, 8195-8207.	3.2	14
106	Onset and termination of Heinrich Stadial 4 and the underlying climate dynamics. Communications Earth & Environment, 2021, 2, .	6.8	14
107	Assessing Atmospheric Response to Surface Forcing in the Observations. Part II: Cross Validation of Seasonal Response Using GEFA and LIM. Journal of Climate, 2012, 25, 6817-6834.	3.2	13
108	Time Scale Dependence of the Meridional Coherence of the Atlantic Meridional Overturning Circulation. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015838.	2.6	13

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109	Deglacial variability of South China hydroclimate heavily contributed by autumn rainfall. Nature Communications, 2021, 12, 5875.	12.8	13
110	A mechanistic understanding of oxygen isotopic changes in the Western United States at the Last Glacial Maximum. Quaternary Science Reviews, 2021, 274, 107255.	3.0	13
111	Local Insolation Drives Afroâ€Asian Monsoon at Orbitalâ€Scale in Holocene. Geophysical Research Letters, 2022, 49, .	4.0	13
112	Varying Sensitivity of East Asia Summer Monsoon Circulation to Temperature Change Since Last Glacial Maximum. Geophysical Research Letters, 2019, 46, 9103-9109.	4.0	12
113	Seasonal Cycle of Background in the Tropical Pacific as a Cause of ENSO Spring Persistence Barrier. Geophysical Research Letters, 2019, 46, 13371-13378.	4.0	12
114	Parameter Optimization for Real-World ENSO Forecast in an Intermediate Coupled Model. Monthly Weather Review, 2019, 147, 1429-1445.	1.4	12
115	Influence of Extratropical Thermal and Wind Forcings on Equatorial Thermocline in an Ocean GCM*. Journal of Physical Oceanography, 2004, 34, 174-187.	1.7	11
116	Periodic Forcing and ENSO Suppression in the Cane-Zebiak Model. Journal of Oceanography, 2005, 61, 109-113.	1.7	11
117	Assessing Bjerknes Compensation for Climate Variability and Its Time-Scale Dependence. Journal of Climate, 2016, 29, 5501-5512.	3.2	11
118	Assessing Extratropical Influence on Observed El NiÃ±oâ€“Southern Oscillation Events Using Regional Coupled Data Assimilation. Journal of Climate, 2018, 31, 8961-8969.	3.2	11
119	Termination 1 Millennialâ€Scale Rainfall Events Over the Sunda Shelf. Geophysical Research Letters, 2022, 49, .	4.0	11
120	Understanding the temporal slope of the temperatureâ€water isotope relation during the deglaciation using isoCAM3: The slope equation. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,342.	3.3	10
121	Investigating the Direct Meltwater Effect in Terrestrial Oxygenâ€Isotope Paleoclimate Records Using an Isotopeâ€Enabled Earth System Model. Geophysical Research Letters, 2017, 44, 12,501.	4.0	10
122	Estimating Convection Parameters in the GFDL CM2.1 Model Using Ensemble Data Assimilation. Journal of Advances in Modeling Earth Systems, 2018, 10, 989-1010.	3.8	10
123	Potential predictability and forecast skill in ensemble climate forecast: a skill-persistence rule. Climate Dynamics, 2018, 51, 2725-2742.	3.8	10
124	Atlantic Circulation and Ice Sheet Influences on Upper South Atlantic Temperatures During the Last Deglaciation. Paleoceanography and Paleoclimatology, 2019, 34, 990-1005.	2.9	10
125	Assessing the Ability of Zonal Î´¹⁸O Contrast in Benthic Foraminifera to Reconstruct Deglacial Evolution of Atlantic Meridional Overturning Circulation. Paleoceanography and Paleoclimatology, 2019, 34, 800-812.	2.9	10
126	Deglacial trends in Indo-Pacific warm pool hydroclimate in an isotope-enabled Earth system model and implications for isotope-based paleoclimate reconstructions. Quaternary Science Reviews, 2021, 270, 107188.	3.0	10

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127	Dynamic Effect of Last Glacial Maximum Ice Sheet Topography on the East Asian Summer Monsoon. Journal of Climate, 2020, 33, 6929-6944.	3.2	10
128	Model bias for South Atlantic Antarctic intermediate water in CMIP5. Climate Dynamics, 2018, 50, 3613-3624.	3.8	9
129	A Theory of the Spring Persistence Barrier on ENSO. Part I: The Role of ENSO Period. Journal of Climate, 2021, 34, 2145-2155.	3.2	9
130	A Multiâ€Timescale EnOIâ€Like Highâ€Efficiency Approximate Filter for Coupled Model Data Assimilation. Journal of Advances in Modeling Earth Systems, 2019, 11, 45-63.	3.8	8
131	Local and Remote Responses of Atmospheric and Oceanic Heat Transports to Climate Forcing: Compensation versus Collaboration. Journal of Climate, 2018, 31, 6445-6460.	3.2	8
132	Sensitivity determined simultaneous estimation of multiple parameters in coupled models: part Iâ€"based on single model component sensitivities. Climate Dynamics, 2019, 53, 5349-5373.	3.8	8
133	Remineralization dominating the Î´13C decrease in the mid-depth Atlantic during the last deglaciation. Earth and Planetary Science Letters, 2021, 571, 117106.	4.4	8
134	Kelvin wave and Rossby wave interaction in the extratropical-tropical Pacific. Geophysical Research Letters, 2000, 27, 1259-1262.	4.0	7
135	Assessing extratropical impact on the tropical bias in coupled climate model with regional coupled data assimilation. Geophysical Research Letters, 2017, 44, 3384-3392.	4.0	7
136	Distorted Pacificâ€"North American teleconnection at the Last Glacial Maximum. Climate of the Past, 2020, 16, 199-209.	3.4	7
137	Modeling precipitation <i>Î´</i>¹⁸O variability in East Asia since the Last Glacial Maximum: temperature and amount effects across different timescales. Climate of the Past, 2016, 12, 2077-2085.	3.4	6
138	A Systematic Comparison of Particle Filter and EnKF in Assimilating Timeâ€Averaged Observations. Journal of Geophysical Research D: Atmospheres, 2017, 122, 13,155.	3.3	6
139	Variation of summer precipitation Î´¹⁸O on the Chinese Loess Plateau since the last interglacial. Journal of Quaternary Science, 2021, 36, 1214-1220.	2.1	6
140	Tropical SST Response to Global Warming in the Twentieth Century. Journal of Climate, 2009, 22, 1305-1312.	3.2	5
141	Novel superconducting rf structure for ampere-class beam current for multi-GeV energy recovery linacs. Physical Review Special Topics: Accelerators and Beams, 2010, 13, .	1.8	5
142	Dynamic analogue initialization for ensemble forecasting. Advances in Atmospheric Sciences, 2013, 30, 1406-1420.	4.3	5
143	Assimilating atmosphere reanalysis in coupled data assimilation. Journal of Meteorological Research, 2016, 30, 572-583.	2.4	5
144	Impact of the time scale of model sensitivity response on coupled model parameter estimation. Advances in Atmospheric Sciences, 2017, 34, 1346-1357.	4.3	5

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145	Examining El NiÃ±o in the Holocene: implications and challenges. National Science Review, 2018, 5, 807-809.	9.5	5
146	Can the Topography of Tibetan Plateau Affect the Antarctic Bottom Water?. Geophysical Research Letters, 2021, 48, e2021GL092448.	4.0	5
147	Global Oceanic Overturning Circulation Forced by the Competition between Greenhouse Gases and Continental Ice Sheets during the Last Deglaciation. Journal of Climate, 2021, 34, 7555-7570.	3.2	5
148	On the Formation Mechanism of the Seasonal Persistence Barrier. Journal of Climate, 2021, 34, 479-494.	3.2	5
149	Nonlinear Responses of Droughts Over China to Volcanic Eruptions at Different Drought Phases. Geophysical Research Letters, 2022, 49, .	4.0	5
150	A mixed-flux equilibrium asynchronous coupling scheme for accelerating convergence in ocean-atmosphere models. Climate Dynamics, 2000, 16, 821-831.	3.8	4
151	The Role of Large-Scale Feedbacks in Cumulus Convection Parameter Estimation. Journal of Climate, 2016, 29, 4099-4119.	3.2	4
152	General seasonal phase-locking of variance and persistence: application to tropical pacific, north pacific and global ocean. Climate Dynamics, 2019, 53, 2825-2842.	3.8	4
153	Stability Analysis of Interface Conditions for Oceanâ€“Atmosphere Coupling. Journal of Scientific Computing, 2020, 84, 1.	2.3	4
154	The Influences of Tropical Volcanic Eruptions with Different Magnitudes on Persistent Droughts over Eastern China. Atmosphere, 2020, 11, 210.	2.3	4
155	Interpreting the lake-status record of the East Asian monsoon using a hydrological model. Quaternary Research, 2021, 99, 80-95.	1.7	4
156	The Driving Mechanisms on Southern Ocean Upwelling Change during the Last Deglaciation. Geosciences (Switzerland), 2021, 11, 266.	2.2	4
157	Shallowing Glacial Antarctic Intermediate Water by Changes in Sea Ice and Hydrological Cycle. Geophysical Research Letters, 2021, 48, e2021GL094317.	4.0	4
158	A Theory of the Spring Persistence Barrier on ENSO. Part III: The Role of Tropical Pacific Ocean Heat Content. Journal of Climate, 2021, 34, 8567-8577.	3.2	4
159	Strongly Coupled Data Assimilation Using Leading Averaged Coupled Covariance (LACC). Part III: Assimilation of Real World Reanalysis. Monthly Weather Review, 2020, 148, 2351-2364.	1.4	4
160	Impact of Dust on Climate and AMOC During the Last Glacial Maximum Simulated by CESM1.2. Geophysical Research Letters, 2022, 49, .	4.0	4
161	Assessing the Modern Multiâ€Đecadal Scale Aridification Over the Northern China From a Historical Perspective. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	4
162	Possible Thermal Effect of Tibetan Plateau on the Atlantic Meridional Overturning Circulation. Geophysical Research Letters, 2022, 49, .	4.0	4

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163	An Analog Offline EnKF for Paleoclimate Data Assimilation. Journal of Advances in Modeling Earth Systems, 2022, 14, .	3.8	4
164	The Different Relationships between the ENSO Spring Persistence Barrier and Predictability Barrier. Journal of Climate, 2022, 35, 6207-6218.	3.2	4
165	Influence of Tibetan Plateau on the North American summer monsoon precipitation. Climate Dynamics, 2021, 57, 3093-3110.	3.8	2
166	Reply to: Non-trivial role of internal climate feedback on interglacial temperature evolution. Nature, 2021, 600, E4-E6.	27.8	2
167	Responses of East Asian winter monsoonâ€Australian summer monsoon to Local and Remote orbital forcing during Holocene. Geophysical Research Letters, 0, , .	4.0	2
168	Statistical calibrations to improve the 2â€“5-year prediction skill for SST over the North Atlantic. Meteorology and Atmospheric Physics, 2022, 134, .	2.0	2
169	Holocene temperature response to external forcing: assessing the linear response and its spatial and temporal dependence. Climate of the Past, 2019, 15, 1411-1425.	3.4	1
170	A Diurnal Predictability Barrier for Weather Forecasts. Monthly Weather Review, 2021, , .	1.4	1
171	Testing Methods for Reconstructing Glacial Antarctic Circumpolar Current Transport in an Isotopeâ€Enabled Climate Model. Paleoceanography and Paleoclimatology, 2021, 36, e2020PA004183.	2.9	1
172	Large training dataset is crucial for analogue-based precipitation reconstruction during the early Holocene. Science Bulletin, 2022, , .	9.0	1
173	Investigating Extratropical Influence on the Equatorial Atlantic Zonal Bias with Regional Data Assimilation. Journal of Climate, 2022, 35, 6101-6117.	3.2	1
174	Reply to Parker: Robust response of AMOC interdecadal variability to future intense warming. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2762-E2763.	7.1	0
175	Moisture Source Tagging Confirming the Polar Amplification Effect in Amplifying the Temperature-Î´18O Temporal Slope Since the LGM. Atmosphere, 2020, 11, 610.	2.3	0