

Sen Zhao

List of Publications by Year in descending order

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43
papers

1,278
citations

516710

16
h-index

377865

34
g-index

49
all docs

49
docs citations

49
times ranked

1764
citing authors

#	ARTICLE	IF	CITATIONS
1	Polar amplification dominated by local forcing and feedbacks. <i>Nature Climate Change</i> , 2018, 8, 1076-1081.	18.8	216
2	Revisiting ENSO/Indian Ocean Dipole phase relationships. <i>Geophysical Research Letters</i> , 2017, 44, 2481-2492.	4.0	168
3	Remote influence of Atlantic multidecadal variability on Siberian warm season precipitation. <i>Scientific Reports</i> , 2015, 5, 16853.	3.3	93
4	Interhemispheric Propagation of Stationary Rossby Waves in a Horizontally Nonuniform Background Flow. <i>Journals of the Atmospheric Sciences</i> , 2015, 72, 3233-3256.	1.7	88
5	Decadal variability in the occurrence of wintertime haze in central eastern China tied to the Pacific Decadal Oscillation. <i>Scientific Reports</i> , 2016, 6, 27424.	3.3	70
6	Dynamics of an Interhemispheric Teleconnection across the Critical Latitude through a Southerly Duct during Boreal Winter*. <i>Journal of Climate</i> , 2015, 28, 7437-7456.	3.2	58
7	A multi-proxy reconstruction of spatial and temporal variations in Asian summer temperatures over the last millennium. <i>Climatic Change</i> , 2015, 131, 663-676.	3.6	52
8	Multi-proxy reconstructions of May–September precipitation field in China over the past 500 years. <i>Climate of the Past</i> , 2017, 13, 1919-1938.	3.4	52
9	Variations in North Pacific sea surface temperature caused by Arctic stratospheric ozone anomalies. <i>Environmental Research Letters</i> , 2017, 12, 114023.	5.2	49
10	Improved Predictability of the Indian Ocean Dipole Using Seasonally Modulated ENSO Forcing Forecasts. <i>Geophysical Research Letters</i> , 2019, 46, 9980-9990.	4.0	39
11	Influence of the Summer NAO on the Spring-NAO-Based Predictability of the East Asian Summer Monsoon. <i>Journal of Applied Meteorology and Climatology</i> , 2016, 55, 1459-1476.	1.5	38
12	Influence of the May Southern annular mode on the South China Sea summer monsoon. <i>Climate Dynamics</i> , 2018, 51, 4095-4107.	3.8	33
13	Interhemispheric influence of Indo-Pacific convection oscillation on Southern Hemisphere rainfall through southward propagation of Rossby waves. <i>Climate Dynamics</i> , 2019, 52, 3203-3221.	3.8	31
14	Interdecadal change in the lagged relationship between the Pacific–South American pattern and ENSO. <i>Climate Dynamics</i> , 2016, 47, 2867-2884.	3.8	20
15	The spatial distribution of precipitation over the West Qinling region, China, AD 1470–2000. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 443, 278-285.	2.3	20
16	The effects of the Indo-Pacific warm pool on the stratosphere. <i>Climate Dynamics</i> , 2018, 51, 4043-4064.	3.8	18
17	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
18	Relationship between the Hadley Circulation and Different Tropical Meridional SST Structures during Boreal Summer. <i>Journal of Climate</i> , 2018, 31, 6575-6590.	3.2	14

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19	Indian Ocean tripole mode and its associated atmospheric and oceanic processes. <i>Climate Dynamics</i> , 2020, 55, 1367-1383.	3.8	14
20	Delineating the Seasonally Modulated Nonlinear Feedback Onto ENSO From Tropical Instability Waves. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085863.	4.0	14
21	The responses of the Hadley circulation to different meridional SST structures in the seasonal cycle. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 7785-7799.	3.3	13
22	A statistical downscaling model for summer rainfall over Pakistan. <i>Climate Dynamics</i> , 2016, 47, 2653-2666.	3.8	12
23	On the Breakdown of ENSO's Relationship With Thermocline Depth in the Central Equatorial Pacific. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092335.	4.0	12
24	The relationship between lower-stratospheric ozone at southern high latitudes and sea surface temperature in the East Asian marginal seas in austral spring. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 6705-6722.	4.9	11
25	Decadal-scale teleconnection between South Atlantic SST and southeast Australia surface air temperature in austral summer. <i>Climate Dynamics</i> , 2018, 50, 2687-2703.	3.8	11
26	Monopole Mode of Precipitation in East Asia Modulated by the South China Sea Over the Last Four Centuries. <i>Geophysical Research Letters</i> , 2019, 46, 14713-14722.	4.0	11
27	Modulation of tropical cyclone tracks over the western North Pacific by intra-seasonal Indo-western Pacific convection oscillation during the boreal extended summer. <i>Climate Dynamics</i> , 2019, 52, 913-927.	3.8	10
28	Improved Predictability of the Indian Ocean Dipole Using a Stochastic Dynamical Model Compared to the North American Multimodel Ensemble Forecast. <i>Weather and Forecasting</i> , 2020, 35, 379-399.	1.4	10
29	ENSO Dynamics in the E3SM-1-0, CESM2, and GFDL-CM4 Climate Models. <i>Journal of Climate</i> , 2021, , 1-59.	3.2	10
30	Spatial and temporal variation characteristics of ocean waves in the South China Sea during the boreal winter. <i>Acta Oceanologica Sinica</i> , 2015, 34, 23-28.	1.0	8
31	Relationships between the extratropical ENSO precursor and leading modes of atmospheric variability in the Southern Hemisphere. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 360-370.	4.3	7
32	Understanding Lead Times of Warm Water Volumes to ENSO Sea Surface Temperature Anomalies. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094366.	4.0	7
33	The Impact of Layer Perturbation Potential Energy on the East Asian Summer Monsoon. <i>Journal of Climate</i> , 2017, 30, 7087-7103.	3.2	6
34	Longer Duration of the Weak Stratospheric Vortex During Extreme El Niño Events Linked to Spring Eurasian Coldness. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032331.	3.3	6
35	Influence of the Autumn SST in the Southern Pacific Ocean on Winter Precipitation in the North American Monsoon Region. <i>Atmosphere</i> , 2020, 11, 844.	2.3	5
36	Could the North Pacific Oscillation Be Modified by the Initiation of the East Asian Winter Monsoon?. <i>Journal of Climate</i> , 2020, 33, 2389-2406.	3.2	4

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37	The Impact of Summertime North Indian Ocean SST on Tropical Cyclone Genesis over the Western North Pacific. Scientific Online Letters on the Atmosphere, 2016, 12, 242-246.	1.4	3
38	Two leading modes of the interannual variability in South American surface air temperature during austral winter. Climate Dynamics, 2018, 51, 2141-2156.	3.8	3
39	On the Asymmetry of the Tropical Pacific Thermocline Fluctuation Associated With ENSO Recharge and Discharge. Geophysical Research Letters, 2022, 49, .	4.0	3
40	The Circle Diagram in the Group Velocity Domain for Rossby Wave under the Horizontally Non-Uniform Flow. Scientific Online Letters on the Atmosphere, 2018, 14, 121-125.	1.4	1
41	Wind rotation characteristics of the upper tropospheric monsoon over the central and eastern tropical Pacific. Atmospheric and Oceanic Science Letters, 2016, 9, 479-486.	1.3	0
42	Does a monsoon circulation exist in the upper troposphere over the central and eastern tropical Pacific?. Atmospheric and Oceanic Science Letters, 2016, 9, 458-464.	1.3	0
43	Representation of Rossby wave propagation and its effect on the teleconnection between the Indian summer monsoon and extratropical rainfall in the Met Office Unified Model. Climate Dynamics, 2022, 58, 907-924.	3.8	0