

Ke Fan

List of Publications by Year in descending order

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75
papers

2,065
citations

186254

28
h-index

265191

42
g-index

75
all docs

75
docs citations

75
times ranked

1272
citing authors

#	ARTICLE	IF	CITATIONS
1	Synoptic and Climatic Conditions of an Extreme Snowstorm Event Over Northeast China and Its Climate Predictability. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	0
2	New downscaling prediction models for spring drought in China. <i>International Journal of Climatology</i> , 2022, 42, 6960-6975.	3.5	5
3	The Transition of Stratospheric Polar Vortex Intensity: A Case Study of Winter 1987/88. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	2
4	A Hybrid Ensemble Canonical Correlation Prediction Model of the Winter Siberian High. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033780.	3.3	4
5	Strengthened Impacts of November Snow Cover Over Siberia on the Out-of-phase Change in the Siberian High Between December and January Since 2000 and Implication for Intraseasonal Climate Prediction. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	2
6	Hindcast of extreme rainfall with high-resolution WRF: model ability and effect of physical schemes. <i>Theoretical and Applied Climatology</i> , 2020, 139, 639-658.	2.8	6
7	Climate prediction of summer extreme precipitation frequency in the Yangtze River valley based on sea surface temperature in the southern Indian Ocean and ice concentration in the Beaufort Sea. <i>International Journal of Climatology</i> , 2020, 40, 4117-4130.	3.5	13
8	Different prediction skill for the East Asian winter monsoon in the early and late winter season. <i>Climate Dynamics</i> , 2020, 54, 1523-1538.	3.8	22
9	Comparison of the Causes of High-Frequency Heavy and Light Snowfall on Interannual Timescales over Northeast China. <i>Atmosphere</i> , 2020, 11, 936.	2.3	6
10	Prolonged Periodicity and Eastward Shift of the January North Pacific Oscillation Since the Mid-1990s and Its Linkage With Sea Ice Anomalies in the Barents Sea. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032484.	3.3	9
11	Skilful two-month-ahead hybrid climate prediction for winter temperature over China. <i>International Journal of Climatology</i> , 2020, 40, 4922-4943.	3.5	7
12	Effect of Atlantic Sea Surface Temperature in May on Intraseasonal Variability of Eurasian NDVI in Summer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031991.	3.3	8
13	Relationship between the onset date of the Meiyu and the South Asian anticyclone in April and the related mechanisms. <i>Climate Dynamics</i> , 2019, 52, 209-226.	3.8	45
14	Sub seasonal variations of weak stratospheric polar vortex in December and its impact on Eurasian air temperature. <i>Atmospheric and Oceanic Science Letters</i> , 2019, 12, 369-375.	1.3	3
15	Interannual linkage between wintertime sea-ice cover variability over the Barents Sea and springtime vegetation over Eurasia. <i>Climate Dynamics</i> , 2019, 53, 5637-5652.	3.8	11
16	Projected changes in summer water vapor transport over East Asia under the 1.5°C and 2.0°C global warming targets. <i>Atmospheric and Oceanic Science Letters</i> , 2019, 12, 124-130.	1.3	6
17	Climate Prediction of Satellite-Based Spring Eurasian Vegetation Index (NDVI) using Coupled Singular Value Decomposition (SVD) Patterns. <i>Remote Sensing</i> , 2019, 11, 2123.	4.0	7
18	Seasonal Climate Prediction Models for the Number of Landfalling Tropical Cyclones in China. <i>Journal of Meteorological Research</i> , 2019, 33, 837-850.	2.4	11

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19	Month-to-Month Variability of Winter Temperature over Northeast China Linked to Sea Ice over the Davis Strait–Baffin Bay and the Barents–Kara Sea. <i>Journal of Climate</i> , 2019, 32, 6365-6384.	3.2	30
20	Springtime Convective Quasi-Biweekly Oscillation and Interannual Variation of Its Intensity over the South China Sea and Western North Pacific. <i>Journal of Meteorological Research</i> , 2019, 33, 323-335.	2.4	1
21	Climate prediction of dust weather frequency over northern China based on sea-ice cover and vegetation variability. <i>Climate Dynamics</i> , 2019, 53, 687-705.	3.8	23
22	Modified Three-Dimensional Jet Indices and Their Application to East Asia. <i>Atmosphere</i> , 2019, 10, 776.	2.3	2
23	East Asian winter monsoon forecasting schemes based on the NCEP’s climate forecast system. <i>Climate Dynamics</i> , 2018, 51, 2793-2805.	3.8	20
24	Frequency of spring dust weather in North China linked to sea ice variability in the Barents Sea. <i>Climate Dynamics</i> , 2018, 51, 4439-4450.	3.8	46
25	A hybrid downscaling model for winter temperature over northeast China. <i>International Journal of Climatology</i> , 2018, 38, e349.	3.5	14
26	A Heavy Rainfall Event in Autumn over Beijing’s Atmospheric Circulation Background and Hindcast Simulation Using WRF. <i>Journal of Meteorological Research</i> , 2018, 32, 503-515.	2.4	7
27	The Weakened Intensity of the Atmospheric Quasi-Biweekly Oscillation over the Western North Pacific during Late Summer around the Late 1990s. <i>Journal of Climate</i> , 2017, 30, 9807-9826.	3.2	11
28	Pacific decadal oscillation and the decadal change in the intensity of the interannual variability of the South China Sea summer monsoon. <i>Atmospheric and Oceanic Science Letters</i> , 2017, 10, 162-167.	1.3	19
29	Role of sea surface temperature anomalies in the tropical Indo-Pacific region in the northeast Asia severe drought in summer 2014: month-to-month perspective. <i>Climate Dynamics</i> , 2017, 49, 1631-1650.	3.8	18
30	The effect of preceding wintertime Arctic polar vortex on springtime NDVI patterns in boreal Eurasia, 1982–2015. <i>Climate Dynamics</i> , 2017, 49, 23-35.	3.8	16
31	Satellite Observations of El Niño Impacts on Eurasian Spring Vegetation Greenness during the Period 1982–2015. <i>Remote Sensing</i> , 2017, 9, 628.	4.0	24
32	Has the prediction of the South China Sea summer monsoon improved since the late 1970s?. <i>Journal of Meteorological Research</i> , 2016, 30, 833-852.	2.4	7
33	Two different periods of high dust weather frequency in northern China. <i>Atmospheric and Oceanic Science Letters</i> , 2016, 9, 263-269.	1.3	17
34	Asymmetric response in Northeast Asia of summer NDVI to the preceding ENSO cycle. <i>Climate Dynamics</i> , 2016, 47, 2765-2783.	3.8	13
35	New approaches for the skillful prediction of the winter North Atlantic Oscillation based on coupled dynamic climate models. <i>International Journal of Climatology</i> , 2016, 36, 82-94.	3.5	22
36	Links between the late wintertime North Atlantic Oscillation and springtime vegetation growth over Eurasia. <i>Climate Dynamics</i> , 2016, 46, 987-1000.	3.8	40

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37	A review of seasonal climate prediction research in China. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 149-168.	4.3	50
38	A Skillful Prediction Model for Winter NAO Based on Atlantic Sea Surface Temperature and Eurasian Snow Cover. <i>Weather and Forecasting</i> , 2015, 30, 197-205.	1.4	40
39	Dynamic downscaling of summer precipitation prediction over China in 1998 using WRF and CCSM4. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 577-584.	4.3	50
40	The western Pacific subtropical high after the 1970s: westward or eastward shift?. <i>Climate Dynamics</i> , 2015, 44, 2035-2047.	3.8	89
41	Has the intensity of the interannual variability in summer rainfall over South China remarkably increased?. <i>Meteorology and Atmospheric Physics</i> , 2014, 124, 23-32.	2.0	39
42	An application of hybrid downscaling model to forecast summer precipitation at stations in China. <i>Atmospheric Research</i> , 2014, 143, 17-30.	4.1	39
43	A new statistical downscaling model for autumn precipitation in China. <i>International Journal of Climatology</i> , 2013, 33, 1321-1336.	3.5	32
44	Influence of springtime North Atlantic Oscillation on crops yields in Northeast China. <i>Climate Dynamics</i> , 2013, 41, 3317-3324.	3.8	34
45	Prediction of wintertime heavy snow activity in Northeast China. <i>Science Bulletin</i> , 2013, 58, 1420-1426.	1.7	26
46	Factors favorable to frequent extreme precipitation in the upper Yangtze River Valley. <i>Meteorology and Atmospheric Physics</i> , 2013, 121, 189-197.	2.0	21
47	Improving the Prediction of the East Asian Summer Monsoon: New Approaches. <i>Weather and Forecasting</i> , 2012, 27, 1017-1030.	1.4	76
48	Possible Mechanism for the Interdecadal Change of Xinjiang Summer Precipitation. <i>Chinese Journal of Geophysics</i> , 2012, 55, 267-274.	0.2	12
49	Improve the prediction of summer precipitation in the Southeastern China by a hybrid statistical downscaling model. <i>Meteorology and Atmospheric Physics</i> , 2012, 117, 121-134.	2.0	18
50	Prediction of spring precipitation in China using a downscaling approach. <i>Meteorology and Atmospheric Physics</i> , 2012, 118, 79-93.	2.0	20
51	Relationship between the Late Spring NAO and Summer Extreme Precipitation Frequency in the Middle and Lower Reaches of the Yangtze River. <i>Atmospheric and Oceanic Science Letters</i> , 2012, 5, 455-460.	1.3	18
52	Decadal features of heavy rainfall events in eastern China. <i>Journal of Meteorological Research</i> , 2012, 26, 289-303.	1.0	33
53	A Statistical Scheme for the Seasonal Forecasting of North China's Surface Air Temperature during Winter. <i>Atmospheric and Oceanic Science Letters</i> , 2011, 4, 81-85.	1.3	9
54	Statistical Downscaling Prediction of Summer Precipitation in Southeastern China. <i>Atmospheric and Oceanic Science Letters</i> , 2011, 4, 173-180.	1.3	22

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55	Direct climatic effect of dust aerosol in the NCAR Community Atmosphere Model Version 3 (CAM3). <i>Advances in Atmospheric Sciences</i> , 2010, 27, 230-242.	4.3	18
56	A Prediction Model for Atlantic Named Storm Frequency Using a Year-by-Year Increment Approach. <i>Weather and Forecasting</i> , 2010, 25, 1842-1851.	1.4	33
57	Simulation of dust aerosol radiative feedback using the GMOD: 2. Dust-climate interactions. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	45
58	Linkage between the Atlantic Tropical Hurricane Frequency and the Antarctic Oscillation in the Western Hemisphere. <i>Atmospheric and Oceanic Science Letters</i> , 2009, 2, 159-164.	1.3	9
59	Predicting Winter Surface Air Temperature in Northeast China. <i>Atmospheric and Oceanic Science Letters</i> , 2009, 2, 14-17.	1.3	24
60	A New Approach to Forecasting Typhoon Frequency over the Western North Pacific. <i>Weather and Forecasting</i> , 2009, 24, 974-986.	1.4	91
61	A New Scheme for Improving the Seasonal Prediction of Summer Precipitation Anomalies. <i>Weather and Forecasting</i> , 2009, 24, 548-554.	1.4	69
62	Forecasting the summer rainfall in North China using the year-to-year increment approach. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 532-539.	0.9	36
63	Simulation of dust aerosol radiative feedback using the Global Transport Model of Dust: 1. Dust cycle and validation. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	55
64	A physically-based statistical forecast model for the middle-lower reaches of the Yangtze River Valley summer rainfall. <i>Science Bulletin</i> , 2008, 53, 602-609.	1.7	115
65	Simulation of the AAO Anomaly and its Influence on the Northern Hemispheric Circulation in Boreal Winter and Spring. <i>Chinese Journal of Geophysics</i> , 2007, 50, 376-382.	0.2	7
66	Zonal asymmetry of the Antarctic Oscillation. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	28
67	Dust storms in North China in 2002: A case study of the low frequency oscillation. <i>Advances in Atmospheric Sciences</i> , 2007, 24, 15-23.	4.3	14
68	North Pacific sea ice cover, a predictor for the Western North Pacific typhoon frequency?. <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 1251-1257.	0.9	56
69	Relationships between the North Pacific Oscillation and the typhoon/hurricane frequencies. <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 1409-1416.	0.9	79
70	New predictors and a new prediction model for the typhoon frequency over western North Pacific. <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 1417-1423.	0.9	31
71	Relationship between the Antarctic oscillation in the western North Pacific typhoon frequency. <i>Science Bulletin</i> , 2007, 52, 561-565.	1.7	68
72	Atmospheric Circulation in Southern Hemisphere and Summer Rainfall over Yangtze River Valley. <i>Chinese Journal of Geophysics</i> , 2006, 49, 599-606.	0.2	42

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73	The Interannual Variability of Dust Weather Frequency in Beijing and its Global Atmospheric Circulation. Chinese Journal of Geophysics, 2006, 49, 892-899.	0.2	11
74	Interannual variability of Antarctic Oscillation and its influence on East Asian climate during boreal winter and spring. Science in China Series D: Earth Sciences, 2006, 49, 554-560.	0.9	38
75	Central-north China precipitation as reconstructed from the Qing dynasty: Signal of the Antarctic Atmospheric Oscillation. Geophysical Research Letters, 2005, 32, .	4.0	71