Ke Wei

List of Publications by Year
in descending order

34 papers	1,234 citations	516710 16 h-index	395702 33 g-index
36 all docs	36 docs citations	36 times ranked	1177 citing authors

#	Article	IF	Citations
1	Technologies and perspectives for achieving carbon neutrality. Innovation(China), 2021, 2, 100180.	9.1	306
2	The Climatology and Interannual Variability of the East Asian Winter Monsoon in CMIP5 Models. Journal of Climate, 2014, 27, 1659-1678.	3.2	96
3	Reflections on the Catastrophic 2020 Yangtze River Basin Flooding in Southern China. Innovation(China), 2020, 1, 100038.	9.1	95
4	Recent trends in winter temperature extremes in eastern China and their relationship with the Arctic Oscillation and ENSO. Advances in Atmospheric Sciences, 2013, 30, 1712-1724.	4.3	81
5	Regional changes in the annual mean Hadley circulation in recent decades. Journal of Geophysical Research D: Atmospheres, 2014, 119, 7815-7832.	3.3	68
6	An abrupt increase in the summer high temperature extreme days across China in the mid-1990s. Advances in Atmospheric Sciences, 2011, 28, 1023-1029.	4.3	52
7	Dynamics of 2013 Sudden Stratospheric Warming event and its impact on cold weather over Eurasia: Role of planetary wave reflection. Scientific Reports, 2016, 6, 24174.	3.3	51
8	Association of tropical Pacific sea surface temperatures with the stratospheric Holtonâ€Tan Oscillation in the Northern Hemisphere winter. Geophysical Research Letters, 2007, 34, .	4.0	50
9	An abrupt rainfall decrease over the Asian inland plateau region around 1999 and the possible underlying mechanism. Advances in Atmospheric Sciences, 2017, 34, 456-468.	4.3	48
10	Changes in the East Asian cold season since 2000. Advances in Atmospheric Sciences, 2011, 28, 69-79.	4.3	43
11	Reexamination of the Aridity Conditions in Arid Northwestern China for the Last Decade. Journal of Climate, 2013, 26, 9594-9602.	3.2	37
12	How well do the current state-of-the-art CMIP5 models characterise the climatology of the East Asian winter monsoon?. Climate Dynamics, 2014, 43, 1241-1255.	3.8	36
13	Stratospheric wave activity and the Pacific Decadal Oscillation. Journal of Atmospheric and Solar-Terrestrial Physics, 2010, 72, 1163-1170.	1.6	34
14	Dynamical diagnosis of the breakup of the stratospheric polar vortex in the Northern Hemisphere. Science in China Series D: Earth Sciences, 2007, 50, 1369-1379.	0.9	23
15	Interannual variability of the winter stratospheric polar vortex in the Northern Hemisphere and their relations to QBO and ENSO. Advances in Atmospheric Sciences, 2009, 26, 855-863.	4.3	23
16	Projections of the East Asian winter monsoon under the IPCC AR5 scenarios using a coupled model: IAP_FGOALS. Advances in Atmospheric Sciences, 2012, 29, 1200-1214.	4.3	20
17	The return of the elephants: How two groups of dispersing elephants attracted the attention of billions and what can we learn from their behavior. Conservation Letters, 2021, 14, e12836.	5.7	15
18	Intensified impact of North Atlantic Oscillation in May on subsequent July Asian inland plateau precipitation since the late 1970s. International Journal of Climatology, 2018, 38, 2605-2612.	3.5	14

#	Article	IF	Citations
19	The effect of a well-resolved stratosphere on East Asian winter climate. Climate Dynamics, 2018, 51, 4015-4028.	3.8	14
20	Atmospheric Rivers and Mei-yu Rainfall in China: A Case Study of Summer 2020. Advances in Atmospheric Sciences, 2021, 38, 2137-2152.	4.3	14
21	Dynamics of eddy-driven North Atlantic Oscillations in a localized shifting jet: zonal structure and downstream blocking. Climate Dynamics, 2010, 34, 73-100.	3.8	13
22	Vertical tilt structure of East Asian trough and its interannual variation mechanism in boreal winter. Theoretical and Applied Climatology, 2014, 115, 667-683.	2.8	13
23	Longitudinal peculiarities of planetary waves-zonal flow interactions and their role in stratosphere-troposphere dynamical coupling. Climate Dynamics, 2021, 57, 2843.	3.8	11
24	Longâ€term changes in the relationship between stratospheric circulation and East Asian winter monsoon. Atmospheric Science Letters, 2015, 16, 359-365.	1.9	10
25	Distinction of two kinds of haze. Atmospheric Environment, 2020, 223, 117228.	4.1	10
26	Modelling the residual mean meridional circulation at different stages of sudden stratospheric warming events. Annales Geophysicae, 2021, 39, 357-368.	1.6	10
27	Long-term changes of the ultraviolet radiation in China and its relationship with Total Ozone and Precipitation. Advances in Atmospheric Sciences, 2006, 23, 700-710.	4.3	9
28	Subseasonal to seasonal Arctic sea-ice prediction: A grand challenge of climate science. Atmospheric and Oceanic Science Letters, 2021, 14, 100052.	1.3	9
29	Arctic Stratosphere Circulation Changes in the 21st Century in Simulations of INM CM5. Atmosphere, 2022, 13, 25.	2.3	9
30	The Effect of Super Volcanic Eruptions on Ozone Depletion in a Chemistry-Climate Model. Advances in Atmospheric Sciences, 2019, 36, 823-836.	4.3	8
31	The Influences of the Model Configuration on the Simulation of Stratospheric Northern-Hemisphere Polar Vortex in the CMIP5 Models. Advances in Meteorology, 2017, 2017, 1-15.	1.6	5
32	An Improved ENSO Ensemble Forecasting Strategy Based on Multiple Coupled Model Initialization Parameters. Journal of Advances in Modeling Earth Systems, 2019, 11, 2868-2878.	3.8	3
33	Stratosphere amplifies the global climate effect of wildfires. Science China Earth Sciences, 2020, 63, 309-311.	5.2	3
34	The observed connection between the <scp>Quasiâ€Biennial</scp> Oscillation and the persistence of the North Atlantic Oscillation in boreal winter. International Journal of Climatology, 0, , .	3.5	0