Dao-Yi Gong

List of Publications by Citations

65 papers	2,531 citations	25 h-index	50 g-index
70 ext. papers	2,911 ext. citations	4 avg, IF	4.96 L-index

#	Paper	IF	Citations
65	Definition of Antarctic Oscillation index. *Geophysical Research Letters*, **1999**, 26, 459-462	4.9	647
64	Heavy pollution suppresses light rain in China: Observations and modeling. *Journal of Geophysical Research*, **2009**, 114,		219
63	Extreme drought event of 2009/2010 over southwestern China. *Meteorology and Atmospheric Physics*, **2012**, 115, 173-184	2	153
62	Evolution of surface O3 and PM2.5 concentrations and their relationships with meteorological conditions over the last decade in Beijing. *Atmospheric Environment*, **2015**, 108, 67-75	5.3	128
61	Spring Arctic Oscillation-East Asian summer monsoon connection through circulation changes over the western North Pacific. *Climate Dynamics*, **2011**, 37, 2199-2216	4.2	112
60	East Asian Study of Tropospheric Aerosols and their Impact on Regional Clouds, Precipitation, and Climate (EAST-AIRCPC). *Journal of Geophysical Research D: Atmospheres*, **2019**, 124, 13026-13054	4.4	104
59	Weekly cycle of aerosol-meteorology interaction over China. *Journal of Geophysical Research*, **2007**, 112,		90
58	Interannual teleconnections between the summer North Atlantic Oscillation and the East Asian summer monsoon. *Journal of Geophysical Research*, **2011**, 116,		80
57	Decadal changes in tropical cyclone activity over the western North Pacific in the late 1990s. *Climate Dynamics*, **2015**, 45, 3317-3329	4.2	68
56	Weekend effect in diurnal temperature range in China: Opposite signals between winter and summer. *Journal of Geophysical Research*, **2006**, 111,		59
55	Mechanism on how the spring Arctic sea ice impacts the East Asian summer monsoon. *Theoretical and Applied Climatology*, **2014**, 115, 107-119	3	57
54	Impacts of ENSO on rainfall of global land and China. *Science Bulletin*, **1999**, 44, 852-857		53
53	Antarctic oscillation: concept and applications. *Science Bulletin*, **1998**, 43, 734-738		50
52	Distinct quasi-biweekly features of the subtropical East Asian monsoon during early and late summers. *Climate Dynamics*, **2014**, 42, 1469-1486	4.2	49
51	East Asian dust storm and weather disturbance: possible links to the Arctic Oscillation. *International Journal of Climatology*, **2006**, 26, 1379-1396	3.5	49
50	The Impact of Aerosols on the Summer Rainfall Frequency in China. *Journal of Applied Meteorology and Climatology*, **2008**, 47, 1802-1813	2.7	48
49	Detection of large-scale climate signals in spring vegetation index (normalized difference vegetation index) over the Northern Hemisphere. *Journal of Geophysical Research*, **2003**, 108,		43

48	Cause and predictability for the severe haze pollution in downtown Beijing in November-December 2015. *Science of the Total Environment*, **2017**, 592, 627-638	10.2	37
47	Interannual linkage between Arctic/North Atlantic Oscillation and tropical Indian Ocean precipitation during boreal winter. *Climate Dynamics*, **2014**, 42, 1007-1027	4.2	32
46	Anomalous winter temperature and precipitation events in southern China. *Journal of Chinese Geography*, **2009**, 19, 471-488	3.7	31
45	How are heat waves over Yangtze River valley associated with atmospheric quasi-biweekly oscillation?. *Climate Dynamics*, **2018**, 51, 4421-4437	4.2	27
44	Possible influence of Arctic Oscillation on dust storm frequency in North China. *Journal of Chinese Geography*, **2011**, 21, 207-218	3.7	27
43	Numerical simulations of the effects of regional topography on haze pollution in Beijing. *Scientific Reports*, **2018**, 8, 5504	4.9	26
42	Variability of the low-level cross-equatorial jet of the western Indian Ocean since 1660 as derived from coral proxies. *Geophysical Research Letters*, **2008**, 35,	4.9	25
41	Correlation between east Asian dust storm frequency and PNA. *Geophysical Research Letters*, **2007**, 34,	4.9	25
40	Urbanization and air quality as major drivers of altered spatiotemporal patterns of heavy rainfall in China. *Landscape Ecology*, **2017**, 32, 1723-1738	4.3	21
39	Observed holiday aerosol reduction and temperature cooling over East Asia. *Journal of Geophysical Research D: Atmospheres*, **2014**, 119, 6306-6324	4.4	21
38	Characterizing two types of transient intraseasonal oscillations in the Eastern Tibetan Plateau summer rainfall. *Climate Dynamics*, **2017**, 48, 1749-1768	4.2	21
37	An observational study of the effects of aerosols on diurnal variation of heavy rainfall and associated clouds over Beijing□Tianjin□Hebei. *Atmospheric Chemistry and Physics*, **2020**, 20, 5211-5229	6.8	18
36	Modeled responses of summer climate to realistic land use/cover changes from the 1980s to the 2000s over eastern China. *Journal of Geophysical Research D: Atmospheres*, **2015**, 120, 167-179	4.4	17
35	Unstable relationship between spring Arctic Oscillation and□East Asian summer monsoon. *International Journal of Climatology*, **2014**, 34, 2522-2528	3.5	17
34	The influence of vegetation variation on Northeast Asian dust activity. *Asia-Pacific Journal of Atmospheric Sciences*, **2013**, 49, 87-94	2.1	14
33	Unusual growth in intense typhoon occurrences over the Philippine Sea in September after the mid-2000s. *Climate Dynamics*, **2017**, 48, 1893-1910	4.2	13
32	Abrupt climate change around 4 ka BP: Role of the Thermohaline circulation as indicated by a GCM experiment. *Advances in Atmospheric Sciences*, **2004**, 21, 291-295	2.9	13
31	Possible influence of Arctic oscillation on precipitation along the East Asian rain belt during boreal spring. *Theoretical and Applied Climatology*, **2017**, 130, 487-495	3	12

30	Numerical analysis for contribution of the Tibetan Plateau to dust aerosols in the atmosphere over the East Asia. *Science China Earth Sciences*, **2013**, 56, 301-310	4.6	11
29	Fast responses of climate system to carbon dioxide, aerosols and sulfate aerosols without the mediation of SST in the CMIP5. *International Journal of Climatology*, **2017**, 37, 1156-1166	3.5	10
28	The source contributions to the dust over the Tibetan Plateau: A modelling analysis. *Atmospheric Environment*, **2019**, 214, 116859	5.3	10
27	Reconstruction of the western Pacific warm pool SST since 1644 AD and its relation to precipitation over East China. *Science in China Series D: Earth Sciences*, **2009**, 52, 1436-1446		8
26	Possible Influence of the Antarctic Oscillation on Haze Pollution in North China. *Journal of Geophysical Research D: Atmospheres*, **2019**, 124, 1307	4.4	7
25	Evaluation of the twentieth century reanalysis dataset in describing East Asian winter monsoon variability. *Advances in Atmospheric Sciences*, **2013**, 30, 1645-1652	2.9	7
24	Does the recent warming hiatus exist over Northern Asia for winter wind chill temperature?. *International Journal of Climatology*, **2017**, 37, 3138-3144	3.5	7
23	Is there a linkage between the tropical cyclone activity in the southern Indian Ocean and the Antarctic Oscillation?. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 8519-8535	4.4	7
22	Atmospheric oscillations over the last millennium. *Science Bulletin*, **2010**, 55, 2469-2472		6
21	Intensified reduction in summertime light rainfall over mountains compared with plains in Eastern China. *Climatic Change*, **2010**, 100, 807-815	4.5	6
20	Increased Dust Aerosols in the High Troposphere Over the Tibetan Plateau From 1990s to 2000s. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2020JD032807	4.4	5
19	Is the Antarctic oscillation trend during the recent decades unusual?. *Antarctic Science*, **2014**, 26, 445-451	1.7	5
18	World Regionalization of Climate Change (1961–2010). *International Journal of Disaster Risk Science*, **2016**, 7, 216-226	4.6	5
17	Shift of daily rainfall peaks over the Beijing–Tianjin–Hebei region: An indication of pollutant effects?. *International Journal of Climatology*, **2018**, 38, 5010-5019	3.5	5
16	Wind Erosion Climate Change in Northern China During 1981–2016. *International Journal of Disaster Risk Science*, **2020**, 11, 484-496	4.6	4
15	Spring Arctic Oscillation-western North Pacific connection in CMIP5 models. *International Journal of Climatology*, **2016**, 36, 2093-2102	3.5	4
14	Winter AO/NAO modifies summer ocean heat content and monsoonal circulation over the western Indian Ocean. *Journal of Meteorological Research*, **2017**, 31, 94-106	2.3	3
13	Boreal winter Arctic Oscillation as an indicator of summer SST anomalies over the western tropical Indian Ocean. *Climate Dynamics*, **2017**, 48, 2471-2488	4.2	3

12	Interannual modulation of East African early short rains by the winter Arctic Oscillation. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 9441-9457	4.4	3
11	Simulation and causes of eastern Antarctica surface cooling related to ozone depletion during austral summer in FGOALS-s2. *Advances in Atmospheric Sciences*, **2014**, 31, 1147-1156	2.9	2
10	Using Climate Factors to Estimate Flood Economic Loss Risk. *International Journal of Disaster Risk Science*, **2021**, 12, 731-744	4.6	2
9	Vertical Characteristics of Pollution Transport in Hong Kong and Beijing, China. *Atmosphere*, **2021**, 12, 457	2.7	2
8	Changes in Dust Activity in Spring over East Asia under a Global Warming Scenario. *Asia-Pacific Journal of Atmospheric Sciences*, **2021**, 57, 839-850	2.1	2
7	Anomalous holiday precipitation over southern China. *Atmospheric Chemistry and Physics*, **2018**, 18, 16775-16791	5.8	1
6	Decadal Shift in the Relationship between Winter Arctic Oscillation and Central Indian Ocean Precipitation during the Early 2000s. *Journal of Meteorological Research*, **2021**, 35, 857-867	2.3	0
5	Reducing air pollution increases the local diurnal temperature range: A case study of Lanzhou, China. *Meteorological Applications*, **2020**, 27, e1939	2.1	0
4	Changes in spring vegetation greenness over Siberia associated with weather disturbances during 19822015. *International Journal of Climatology*, **2021**, 41, 4698	3.5	0
3	Increasing Difference in Interannual Summertime Surface Air Temperature Between Interior East Antarctica and the Antarctic Peninsula Under Future Climate Scenarios. *Geophysical Research Letters*, **2021**, 48, e2020GL092031	4.9	0
2	Significant enhancement in atmospheric biweekly disturbance over Northeast Asia during the recent warming hiatus. *Journal of Meteorological Research*, **2016**, 30, 631-644	2.3	
1	Intraseasonal melting of northern Barents Sea ice forced by circumpolar clockwise propagating atmospheric waves during early summer. *Journal of Climate*, **2022**, 1-39	4.4	