Dao-Yi Gong

List of Publications by Year
in descending order

67	3,312	201658	149686
papers	citations	27 h-index	56 g-index

70	70	70	3884
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Definition of Antarctic Oscillation index. Geophysical Research Letters, 1999, 26, 459-462.	4.0	789
2	Heavy pollution suppresses light rain in China: Observations and modeling. Journal of Geophysical Research, 2009, 114, .	3.3	255
3	Extreme drought event of 2009/2010 over southwestern China. Meteorology and Atmospheric Physics, 2012, 115, 173-184.	2.0	202
4	East Asian Study of Tropospheric Aerosols and their Impact on Regional Clouds, Precipitation, and Climate (EASTâ€AIR_{CPC}). Journal of Geophysical Research D: Atmospheres, 2019, 124, 13026-13054.	3.3	175
5	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.	4.1	169
6	Spring Arctic Oscillation-East Asian summer monsoon connection through circulation changes over the western North Pacific. Climate Dynamics, 2011, 37, 2199-2216.	3.8	144
7	Interannual teleconnections between the summer North Atlantic Oscillation and the East Asian summer monsoon. Journal of Geophysical Research, 2011, 116, .	3.3	104
8	Weekly cycle of aerosolâ€meteorology interaction over China. Journal of Geophysical Research, 2007, 112, .	3.3	101
9	Decadal changes in tropical cyclone activity over the western North Pacific in the late 1990s. Climate Dynamics, 2015, 45, 3317-3329.	3.8	87
10	Mechanism on how the spring Arctic sea ice impacts the East Asian summer monsoon. Theoretical and Applied Climatology, 2014, 115, 107-119.	2.8	84
11	Impacts of ENSO on rainfall of global land and China. Science Bulletin, 1999, 44, 852-857.	1.7	70
12	Weekend effect in diurnal temperature range in China: Opposite signals between winter and summer. Journal of Geophysical Research, 2006, 111, .	3.3	66
13	East Asian dust storm and weather disturbance: possible links to the Arctic Oscillation. International Journal of Climatology, 2006, 26, 1379-1396.	3.5	64
14	Distinct quasi-biweekly features of the subtropical East Asian monsoon during early and late summers. Climate Dynamics, 2014, 42, 1469-1486.	3.8	62
15	Antarctic oscillation: concept and applications. Science Bulletin, 1998, 43, 734-738.	1.7	61
16	The Impact of Aerosols on the Summer Rainfall Frequency in China. Journal of Applied Meteorology and Climatology, 2008, 47, 1802-1813.	1.5	58
17	Detection of large-scale climate signals in spring vegetation index (normalized difference vegetation) Tj ETQq1 1 0.784314 rgBT /Ove	3.3	44
18	Cause and predictability for the severe haze pollution in downtown Beijing in Novemberâ€“December 2015. Science of the Total Environment, 2017, 592, 627-638.	8.0	43

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19	Numerical simulations of the effects of regional topography on haze pollution in Beijing. Scientific Reports, 2018, 8, 5504.	3.3	42
20	Interannual linkage between Arctic/North Atlantic Oscillation and tropical Indian Ocean precipitation during boreal winter. Climate Dynamics, 2014, 42, 1007-1027.	3.8	41
21	How are heat waves over Yangtze River valley associated with atmospheric quasi-biweekly oscillation?. Climate Dynamics, 2018, 51, 4421-4437.	3.8	41
22	Anomalous winter temperature and precipitation events in southern China. Journal of Chinese Geography, 2009, 19, 471-488.	3.9	38
23	Possible influence of Arctic Oscillation on dust storm frequency in North China. Journal of Chinese Geography, 2011, 21, 207-218.	3.9	35
24	Variability of the lowâ€level crossâ€equatorial jet of the western Indian Ocean since 1660 as derived from coral proxies. Geophysical Research Letters, 2008, 35, .	4.0	32
25	An observational study of the effects of aerosols on diurnal variation of heavy rainfall and associated clouds over Beijingâ€“Tianjinâ€“Hebei. Atmospheric Chemistry and Physics, 2020, 20, 5211-5229.	4.9	30
26	Correlation between east Asian dust storm frequency and PNA. Geophysical Research Letters, 2007, 34, .	4.0	29
27	Urbanization and air quality as major drivers of altered spatiotemporal patterns of heavy rainfall in China. Landscape Ecology, 2017, 32, 1723-1738.	4.2	28
28	Characterizing two types of transient intraseasonal oscillations in the Eastern Tibetan Plateau summer rainfall. Climate Dynamics, 2017, 48, 1749-1768.	3.8	27
29	Observed holiday aerosol reduction and temperature cooling over East Asia. Journal of Geophysical Research D: Atmospheres, 2014, 119, 6306-6324.	3.3	24
30	The influence of vegetation variation on Northeast Asian dust activity. Asia-Pacific Journal of Atmospheric Sciences, 2013, 49, 87-94.	2.3	23
31	Unstable relationship between spring Arctic Oscillation andÂEast Asian summer monsoon. International Journal of Climatology, 2014, 34, 2522-2528.	3.5	23
32	The source contributions to the dust over the Tibetan Plateau: A modelling analysis. Atmospheric Environment, 2019, 214, 116859.	4.1	23
33	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.	3.3	22
34	Increased Dust Aerosols in the High Troposphere Over the Tibetan Plateau From 1990s to 2000s. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032807.	3.3	22
35	Possible Influence of the Antarctic Oscillation on Haze Pollution in North China. Journal of Geophysical Research D: Atmospheres, 2019, 124, 1307-1321.	3.3	21
36	Unusual growth in intense typhoon occurrences over the Philippine Sea in September after the mid-2000s. Climate Dynamics, 2017, 48, 1893-1910.	3.8	19

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37	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.	5.2	18
38	Possible influence of Arctic oscillation on precipitation along the East Asian rain belt during boreal spring. Theoretical and Applied Climatology, 2017, 130, 487-495.	2.8	17
39	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.	4.3	15
40	Fast responses of climate system to carbon dioxide, aerosols and sulfate aerosols without the mediation of <scp>SST</scp> in the <scp>CMIP5</scp>. International Journal of Climatology, 2017, 37, 1156-1166.	3.5	12
41	Changes in Dust Activity in Spring over East Asia under a Global Warming Scenario. Asia-Pacific Journal of Atmospheric Sciences, 2021, 57, 839-850.	2.3	12
42	Wind Erosion Climate Change in Northern China During 1981â€“2016. International Journal of Disaster Risk Science, 2020, 11, 484-496.	2.9	11
43	World Regionalization of Climate Change (1961â€“2010). International Journal of Disaster Risk Science, 2016, 7, 216-226.	2.9	10
44	Boreal winter Arctic Oscillation as an indicator of summer SST anomalies over the western tropical Indian Ocean. Climate Dynamics, 2017, 48, 2471-2488.	3.8	10
45	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.	0.9	9
46	Atmospheric oscillations over the last millennium. Science Bulletin, 2010, 55, 2469-2472.	1.7	9
47	Using Climate Factors to Estimate Flood Economic Loss Risk. International Journal of Disaster Risk Science, 2021, 12, 731-744.	2.9	9
48	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.	3.3	8
49	Evaluation of the twentieth century reanalysis dataset in describing East Asian winter monsoon variability. Advances in Atmospheric Sciences, 2013, 30, 1645-1652.	4.3	7
50	Winter AO/NAO modifies summer ocean heat content and monsoonal circulation over the western Indian Ocean. Journal of Meteorological Research, 2017, 31, 94-106.	2.4	7
51	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
52	Shift of daily rainfall peaks over the Beijingâ€“Tianjinâ€“Hebei region: An indication of pollutant effects?. International Journal of Climatology, 2018, 38, 5010-5019.	3.5	7
53	Intensified reduction in summertime light rainfall over mountains compared with plains in Eastern China. Climatic Change, 2010, 100, 807-815.	3.6	6
54	Is the Antarctic oscillation trend during the recent decades unusual?. Antarctic Science, 2014, 26, 445-451.	0.9	5

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55	Spring Arctic Oscillation-western North Pacific connection in CMIP5 models. International Journal of Climatology, 2016, 36, 2093-2102.	3.5	5
56	Vertical Characteristics of Pollution Transport in Hong Kong and Beijing, China. Atmosphere, 2021, 12, 457.	2.3	5
57	Interannual modulation of East African early short rains by the winter Arctic Oscillation. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9441-9457.	3.3	4
58	Reducing air pollution increases the local diurnal temperature range: A case study of Lanzhou, China. Meteorological Applications, 2020, 27, e1939.	2.1	4
59	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.	4.3	3
60	Significant association between winter North Atlantic SST and spring NDVI anomaly over Eurasia. Journal of Geophysical Research D: Atmospheres, 0, , .	3.3	3
61	Anomalous holiday precipitation over southern China. Atmospheric Chemistry and Physics, 2018, 18, 16775-16791.	4.9	2
62	Changes in spring vegetation greenness over Siberia associated with weather disturbances during 1982â€“2015. International Journal of Climatology, 2021, 41, 4698.	3.5	2
63	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.	4.0	2
64	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.	2.4	2
65	Decadal shift of the influence of Arctic Oscillation on dust weather frequency in spring over the Middle East during 1974â€“2019. International Journal of Climatology, 2022, 42, 2440-2454.	3.5	1
66	Intraseasonal Melting of Northern Barents Sea Ice Forced by Circumpolar Clockwise-Propagating Atmospheric Waves during Early Summer. Journal of Climate, 2022, 35, 5703-5718.	3.2	1
67	Significant enhancement in atmospheric biweekly disturbance over Northeast Asia during the recent warming hiatus. Journal of Meteorological Research, 2016, 30, 631-644.	2.4	0