

Rui Mao

List of Publications by Year in descending order

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41
papers

1,042
citations

394421

19
h-index

434195

31
g-index

43
all docs

43
docs citations

43
times ranked

1396
citing authors

#	ARTICLE	IF	CITATIONS
1	Extreme drought event of 2009/2010 over southwestern China. <i>Meteorology and Atmospheric Physics</i> , 2012, 115, 173-184.	2.0	202
2	Decadal changes in tropical cyclone activity over the western North Pacific in the late 1990s. <i>Climate Dynamics</i> , 2015, 45, 3317-3329.	3.8	87
3	Influence of Arctic Oscillation on dust activity over northeast Asia. <i>Atmospheric Environment</i> , 2011, 45, 326-337.	4.1	67
4	East Asian dust storm and weather disturbance: possible links to the Arctic Oscillation. <i>International Journal of Climatology</i> , 2006, 26, 1379-1396.	3.5	64
5	Cause and predictability for the severe haze pollution in downtown Beijing in November–December 2015. <i>Science of the Total Environment</i> , 2017, 592, 627-638.	8.0	43
6	Numerical simulations of the effects of regional topography on haze pollution in Beijing. <i>Scientific Reports</i> , 2018, 8, 5504.	3.3	42
7	Interannual linkage between Arctic/North Atlantic Oscillation and tropical Indian Ocean precipitation during boreal winter. <i>Climate Dynamics</i> , 2014, 42, 1007-1027.	3.8	41
8	Impact of Arctic amplification on declining spring dust events in East Asia. <i>Climate Dynamics</i> , 2020, 54, 1913-1935.	3.8	39
9	Possible influence of Arctic Oscillation on dust storm frequency in North China. <i>Journal of Chinese Geography</i> , 2011, 21, 207-218.	3.9	35
10	Atmospheric dust from a shallow ice core from Tanggula: implications for drought in the central Tibetan Plateau over the past 155 years. <i>Quaternary Science Reviews</i> , 2013, 59, 57-66.	3.0	34
11	Correlation between east Asian dust storm frequency and PNA. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	29
12	Observed holiday aerosol reduction and temperature cooling over East Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 6306-6324.	3.3	24
13	The influence of vegetation variation on Northeast Asian dust activity. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2013, 49, 87-94.	2.3	23
14	The source contributions to the dust over the Tibetan Plateau: A modelling analysis. <i>Atmospheric Environment</i> , 2019, 214, 116859.	4.1	23
15	Modeled responses of summer climate to realistic land use/cover changes from the 1980s to the 2000s over eastern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 167-179.	3.3	22
16	Increased Dust Aerosols in the High Troposphere Over the Tibetan Plateau From 1990s to 2000s. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032807.	3.3	22
17	The effects of ENSO under negative AO phase on spring dust activity over northern China: an observational investigation. <i>International Journal of Climatology</i> , 2015, 35, 935-947.	3.5	21
18	Possible Influence of the Antarctic Oscillation on Haze Pollution in North China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1307-1321.	3.3	21

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19	Weakening Relationship Between Vegetation Growth Over the Tibetan Plateau and Large-scale Climate Variability. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1247-1259.	3.0	19
20	Numerical analysis for contribution of the Tibetan Plateau to dust aerosols in the atmosphere over the East Asia. <i>Science China Earth Sciences</i> , 2013, 56, 301-310.	5.2	18
21	Sources, characteristics and climate impact of light-absorbing aerosols over the Tibetan Plateau. <i>Earth-Science Reviews</i> , 2022, 232, 104111.	9.1	18
22	Possible influence of Arctic oscillation on precipitation along the East Asian rain belt during boreal spring. <i>Theoretical and Applied Climatology</i> , 2017, 130, 487-495.	2.8	17
23	Land Degradation Monitoring in the Ordos Plateau of China Using an Expert Knowledge and BP-ANN-Based Approach. <i>Sustainability</i> , 2016, 8, 1174.	3.2	16
24	LIMK1 and LIMK2 regulate cortical development through affecting neural progenitor cell proliferation and migration. <i>Molecular Brain</i> , 2019, 12, 67.	2.6	14
25	Changes in Dust Activity in Spring over East Asia under a Global Warming Scenario. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2021, 57, 839-850.	2.3	12
26	Parameterization schemes on dust deposition in northwest China: Model validation and implications for the global dust cycle. <i>Atmospheric Environment</i> , 2019, 209, 1-13.	4.1	11
27	Wind Erosion Climate Change in Northern China During 1981-2016. <i>International Journal of Disaster Risk Science</i> , 2020, 11, 484-496.	2.9	11
28	Boreal winter Arctic Oscillation as an indicator of summer SST anomalies over the western tropical Indian Ocean. <i>Climate Dynamics</i> , 2017, 48, 2471-2488.	3.8	10
29	Is there a linkage between the tropical cyclone activity in the southern Indian Ocean and the Antarctic Oscillation?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 8519-8535.	3.3	8
30	Suppression of spring rain by surface greening over North China Plain. <i>International Journal of Climatology</i> , 2015, 35, 2752-2758.	3.5	7
31	Does the recent warming hiatus exist over Northern Asia for winter wind chill temperature?. <i>International Journal of Climatology</i> , 2017, 37, 3138-3144.	3.5	7
32	Trends in the Frequency of High Relative Humidity over China: 1979-2012*. <i>Journal of Climate</i> , 2015, 28, 9816-9837.	3.2	6
33	Is the Antarctic oscillation trend during the recent decades unusual?. <i>Antarctic Science</i> , 2014, 26, 445-451.	0.9	5
34	Interannual modulation of East African early short rains by the winter Arctic Oscillation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 9441-9457.	3.3	4
35	Reducing air pollution increases the local diurnal temperature range: A case study of Lanzhou, China. <i>Meteorological Applications</i> , 2020, 27, e1939.	2.1	4
36	Dual Roles of Water Availability in Forest Vigor: A Multiperspective Analysis in China. <i>Remote Sensing</i> , 2021, 13, 91.	4.0	4

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37	Simulation and causes of eastern Antarctica surface cooling related to ozone depletion during austral summer in FGOALS-s2. <i>Advances in Atmospheric Sciences</i> , 2014, 31, 1147-1156.	4.3	3
38	Increasing spring dust storms in the future over the Taklimakan Desert, Northwest China: implications from changes in circulation pattern frequency in CMIP6. <i>Environmental Research Communications</i> , 2021, 3, 111002.	2.3	3
39	Anomalous holiday precipitation over southern China. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 16775-16791.	4.9	2
40	Increasing Difference in Interannual Summertime Surface Air Temperature Between Interior East Antarctica and the Antarctic Peninsula Under Future Climate Scenarios. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092031.	4.0	2
41	Decadal shift of the influence of Arctic Oscillation on dust weather frequency in spring over the Middle East during 1974–2019. <i>International Journal of Climatology</i> , 2022, 42, 2440-2454.	3.5	1