

# Yuzhi Liu

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,627  
citations

361413

20  
h-index

302126

39  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1630  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dryland climate change: Recent progress and challenges. <i>Reviews of Geophysics</i> , 2017, 55, 719-778.	23.0	507
2	Aerosol optical properties and radiative effect determined from sky-radiometer over Loess Plateau of Northwest China. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 11455-11463.	4.9	109
3	Multi-scale forcing and the formation of subtropical desert and monsoon. <i>Annales Geophysicae</i> , 2009, 27, 3631-3644.	1.6	91
4	Source and transportation of summer dust over the Tibetan Plateau. <i>Atmospheric Environment</i> , 2015, 123, 210-219.	4.1	85
5	Modeling study on the transport of summer dust and anthropogenic aerosols over the Tibetan Plateau. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 12581-12594.	4.9	69
6	A review of aerosol optical properties and radiative effects. <i>Journal of Meteorological Research</i> , 2014, 28, 1003-1028.	2.4	63
7	An overview of mineral dust modeling over East Asia. <i>Journal of Meteorological Research</i> , 2017, 31, 633-653.	2.4	61
8	Impact of dust-polluted convective clouds over the Tibetan Plateau on downstream precipitation. <i>Atmospheric Environment</i> , 2019, 209, 67-77.	4.1	50
9	Effect of Aerosols on the Ice Cloud Properties Over the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 9594-9608.	3.3	43
10	Attribution of the Tibetan Plateau to northern drought. <i>National Science Review</i> , 2020, 7, 489-492.	9.5	42
11	An overview of the influence of atmospheric circulation on the climate in arid and semi-arid region of Central and East Asia. <i>Science China Earth Sciences</i> , 2018, 61, 1183-1194.	5.2	41
12	From accelerated warming to warming hiatus in China. <i>International Journal of Climatology</i> , 2017, 37, 1758-1773.	3.5	38
13	A numerical simulation study on the impact of smoke aerosols from Russian forest fires on the air pollution over Asia. <i>Atmospheric Environment</i> , 2018, 182, 263-274.	4.1	34
14	Estimation of the Aerosol Radiative Effect over the Tibetan Plateau Based on the Latest CALIPSO Product. <i>Journal of Meteorological Research</i> , 2018, 32, 707-722.	2.4	34
15	Role of clouds in accelerating cold-season warming during 2000-2015 over the Tibetan Plateau. <i>International Journal of Climatology</i> , 2018, 38, 4950-4966.	3.5	32
16	Atmospheric Water Vapor Budget and Its Long-Term Trend Over the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033297.	3.3	30
17	Anthropogenic Aerosol Pollution over the Eastern Slope of the Tibetan Plateau. <i>Advances in Atmospheric Sciences</i> , 2019, 36, 847-862.	4.3	25
18	Distribution, source and transport of the aerosols over Central Asia. <i>Atmospheric Environment</i> , 2019, 210, 120-131.	4.1	25

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19	Dust Aerosol Characteristics and Shortwave Radiative Impact at a Gobi Desert of Northwest China during the Spring of 2012. <i>Journal of the Meteorological Society of Japan</i> , 2014, 92A, 33-56.	1.8	24
20	Tibetan Plateau driven impact of Taklimakan dust on northern rainfall. <i>Atmospheric Environment</i> , 2020, 234, 117583.	4.1	22
21	Characteristics and unique sources of polycyclic aromatic hydrocarbons and nitro-polycyclic aromatic hydrocarbons in PM <sub>2.5</sub> at a highland background site in northwestern China. <i>Environmental Pollution</i> , 2021, 274, 116527.	7.5	22
22	Desert Environment and Climate Observation Network over the Taklimakan Desert. <i>Bulletin of the American Meteorological Society</i> , 2020, 102, E1172-E1191.	3.3	18
23	Impact of dust aerosol on glacial-interglacial climate. <i>Advances in Atmospheric Sciences</i> , 2013, 30, 1725-1731.	4.3	16
24	Cloud ability to produce precipitation over arid and semiarid regions of Central and East Asia. <i>International Journal of Climatology</i> , 2020, 40, 1824-1837.	3.5	15
25	Overestimated Arctic warming and underestimated Eurasia mid-latitude warming in CMIP5 simulations. <i>International Journal of Climatology</i> , 2016, 36, 4475-4487.	3.5	13
26	Role and Mechanisms of Black Carbon Affecting Water Vapor Transport to Tibet. <i>Remote Sensing</i> , 2020, 12, 231.	4.0	12
27	Dominant Synoptic Patterns and Their Relationships with PM <sub>2.5</sub> Pollution in Winter over the Beijing-Tianjin-Hebei and Yangtze River Delta Regions in China. <i>Journal of Meteorological Research</i> , 2019, 33, 765-776.	2.4	11
28	Inconsistent aerosol indirect effects on water clouds and ice clouds over the Tibetan Plateau. <i>International Journal of Climatology</i> , 2020, 40, 3832-3848.	3.5	11
29	Effects of aerosols on cloud and precipitation in East Asian drylands. <i>International Journal of Climatology</i> , 2021, 41, 4603-4618.	3.5	11
30	Transport of Asian aerosols to the Pacific Ocean. <i>Atmospheric Research</i> , 2020, 234, 104735.	4.1	10
31	Association of anthropogenic aerosols with subtropical drought in East Asia. <i>International Journal of Climatology</i> , 2020, 40, 3500-3513.	3.5	8
32	Role of the Tibetan Plateau in Northern Drought Induced by Changes in the Subtropical Westerly Jet. <i>Journal of Climate</i> , 2021, 34, 4955-4969.	3.2	7
33	Role of anthropogenic aerosols in affecting different-grade precipitation over eastern China: A case study. <i>Science of the Total Environment</i> , 2022, 807, 150886.	8.0	7
34	Response of drylands' water cycle to the global warming. <i>International Journal of Climatology</i> , 2021, 41, 4587-4602.	3.5	6
35	Impact of massive topography on the dust cycle surrounding the Tibetan Plateau. <i>Atmospheric Environment</i> , 2021, 264, 118703.	4.1	6
36	Dust Characteristics Observed by Unmanned Aerial Vehicle over the Taklimakan Desert. <i>Remote Sensing</i> , 2022, 14, 990.	4.0	6

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37	Features of the Cloud Base Height and Determining the Threshold of Relative Humidity over Southeast China. <i>Remote Sensing</i> , 2019, 11, 2900.	4.0	5
38	In situ observation of warm atmospheric layer and the heat contribution of suspended dust over the Tarim Basin. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 5195-5207.	4.9	5
39	Effect of dust aerosols on the heat exchange over the Taklimakan Desert. <i>Atmospheric Environment</i> , 2022, 276, 119058.	4.1	3
40	Anthropogenic pollutants could enhance aridity in the vicinity of the Taklimakan Desert: A case study. <i>Science of the Total Environment</i> , 2022, 838, 156574.	8.0	3
41	A Simulation Study on the New Transport Pathways of Global Tropopause Dust Layer. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL096063.	4.0	2