

Anmin Duan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3842855/publications.pdf>

Version: 2024-02-01

84
papers

5,046
citations

147786
31
h-index

95259
68
g-index

87
all docs

87
docs citations

87
times ranked

2988
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic and Thermal Effects of the Tibetan and Iranian Plateaus on the Northward-Propagating Intraseasonal Oscillation during Boreal Summer. <i>Journal of Climate</i> , 2022, 35, 2173-2188.	3.2	3
2	Reduced Risks of Temperature Extremes From 0.5°C less Global Warming in the Earth's Three Poles. <i>Earth's Future</i> , 2022, 10, .	6.3	6
3	Relative Impacts of the Orography and Land-Sea Contrast over the Indochina Peninsula on the Asian Summer Monsoon between Early and Late Summer. <i>Journal of Climate</i> , 2022, 35, 3037-3055.	3.2	6
4	Observational constraint on the future projection of temperature in winter over the Tibetan Plateau in CMIP6 models. <i>Environmental Research Letters</i> , 2022, 17, 034023.	5.2	23
5	Association between regional summer monsoon onset in South Asia and Tibetan Plateau thermal forcing. <i>Climate Dynamics</i> , 2022, 59, 1115-1132.	3.8	9
6	Bidecadal Temperature Anomalies Over the Tibetan Plateau and Arctic in Response to the 1450s Volcanic Eruptions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	2
7	Long-term daily dataset of surface sensible heat flux and latent heat release over the Tibetan Plateau based on routine meteorological observations. <i>Big Earth Data</i> , 2022, 6, 480-491.	4.4	11
8	Quantifying the Contribution of Internal Atmospheric Drivers to Near-Term Projection Uncertainty in September Arctic Sea Ice. <i>Journal of Climate</i> , 2022, 35, 3427-3443.	3.2	2
9	Sea ice loss of the Barents-Kara Sea enhances the winter warming over the Tibetan Plateau. <i>Npj Climate and Atmospheric Science</i> , 2022, 5, .	6.8	22
10	Upper-Troposphere Saddle-Like Response to Springtime Surface Sensible Heating Over the Tibetan Plateau: Combined Effect From Baroclinic and Barotropic Process. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	1
11	Connection between winter Arctic sea ice and west Tibetan Plateau snow depth through the <sc>NAO</sc>. <i>International Journal of Climatology</i> , 2021, 41, 846-861.	3.5	10
12	Interdecadal summer warming of the Tibetan Plateau potentially regulated by a sea surface temperature anomaly in the Labrador Sea. <i>International Journal of Climatology</i> , 2021, 41, E2633.	3.5	11
13	Modulation of the relationship between summer temperatures in the Qinghai-Tibetan Plateau and Arctic over the past millennium by external forcings. <i>Quaternary Research</i> , 2021, 103, 130-138.	1.7	6
14	Assessment and Ranking of Climate Models in Arctic Sea Ice Cover Simulation: From CMIP5 to CMIP6. <i>Journal of Climate</i> , 2021, 34, 3609-3627.	3.2	33
15	CAS FGOALS-f3-L Large-ensemble Simulations for the CMIP6 Polar Amplification Model Intercomparison Project. <i>Advances in Atmospheric Sciences</i> , 2021, 38, 1028-1049.	4.3	4
16	Opposite responses of the Indian Ocean to the thermal forcing of the Tibetan Plateau before and after the onset of the South Asian monsoon. <i>Journal of Climate</i> , 2021, , 1-56.	3.2	1
17	Assessment of Extreme Precipitation Indices over Indochina and South China in CMIP6 Models. <i>Journal of Climate</i> , 2021, 34, 7507-7524.	3.2	16
18	Dipole Mode of the Precipitation Anomaly Over the Tibetan Plateau in Mid-Autumn Associated With Tropical Pacific-Indian Ocean Sea Surface Temperature Anomaly: Role of Convection Over the Northern Maritime Continent. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034675.	3.3	9

#	ARTICLE	IF	CITATIONS
19	Using deep learning to predict the East Asian summer monsoon. <i>Environmental Research Letters</i> , 2021, 16, 124006.	5.2	15
20	The energy and water cycles under climate change. <i>National Science Review</i> , 2020, 7, 553-557.	9.5	12
21	Asymmetrical Response of the East Asian Summer Monsoon to the Quadrennial Oscillation of Global Sea Surface Temperature Associated With the Tibetan Plateau Thermal Feedback. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032129.	3.3	11
22	Land-atmosphere-ocean coupling associated with the Tibetan Plateau and its climate impacts. <i>National Science Review</i> , 2020, 7, 534-552.	9.5	119
23	CASEarth Poles: Big Data for the Three Poles. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1475-E1491.	3.3	51
24	Precursor Effect of the Tibetan Plateau Heating Anomaly on the Seasonal March of the East Asian Summer Monsoon Precipitation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032948.	3.3	26
25	The Dominant Role of Snow/Ice Albedo Feedback Strengthened by Black Carbon in the Enhanced Warming over the Himalayas. <i>Journal of Climate</i> , 2019, 32, 5883-5899.	3.2	21
26	Response of the Indian Ocean to the Tibetan Plateau Thermal Forcing in Late Spring. <i>Journal of Climate</i> , 2019, 32, 6917-6938.	3.2	12
27	Surface energy budget diagnosis reveals possible mechanism for the different warming rate among Earth's three poles in recent decades. <i>Science Bulletin</i> , 2019, 64, 1140-1143.	9.0	57
28	Atmospheric heat sinks over the western Tibetan Plateau associated with snow depth in late spring. <i>International Journal of Climatology</i> , 2019, 39, 5170-5180.	3.5	13
29	Quasi-biweekly impact of the atmospheric heat source over the Tibetan Plateau on summer rainfall in Eastern China. <i>Climate Dynamics</i> , 2019, 53, 4489-4504.	3.8	19
30	Revisiting the Cross-Equatorial Flows and Asian Summer Monsoon Precipitation Associated with the Maritime Continent. <i>Journal of Climate</i> , 2019, 32, 6803-6821.	3.2	6
31	Interannual Variability of the North Pacific Mixed Layer Associated with the Spring Tibetan Plateau Thermal Forcing. <i>Journal of Climate</i> , 2019, 32, 3109-3130.	3.2	24
32	Spatiotemporal distributions of cloud parameters and their response to meteorological factors over the Tibetan Plateau during 2003-2015 based on MODIS data. <i>International Journal of Climatology</i> , 2019, 39, 532-543.	3.5	15
33	Tibetan Plateau heating as a driver of monsoon rainfall variability in Pakistan. <i>Climate Dynamics</i> , 2019, 52, 6121-6130.	3.8	39
34	Potential regulation on the climatic effect of Tibetan Plateau heating by tropical air-sea coupling in regional models. <i>Climate Dynamics</i> , 2019, 52, 1685-1694.	3.8	27
35	Coupling of the Quasi-Biweekly Oscillation of the Tibetan Plateau Summer Monsoon With the Arctic Oscillation. <i>Geophysical Research Letters</i> , 2018, 45, 7756-7764.	4.0	16
36	Impacts of the global sea surface temperature anomaly on the evolution of circulation and precipitation in East Asia on a quasi-quadrennial cycle. <i>Climate Dynamics</i> , 2018, 51, 4077-4094.	3.8	12

#	ARTICLE	IF	CITATIONS
37	Atmospheric heat source/sink dataset over the Tibetan Plateau based on satellite and routine meteorological observations. <i>Big Earth Data</i> , 2018, 2, 179-189.	4.4	34
38	Teleconnection between Summer NAO and East China Rainfall Variations: A Bridge Effect of the Tibetan Plateau. <i>Journal of Climate</i> , 2018, 31, 6433-6444.	3.2	70
39	Interannual Variability of Late-spring Circulation and Diabatic Heating over the Tibetan Plateau Associated with Indian Ocean Forcing. <i>Advances in Atmospheric Sciences</i> , 2018, 35, 927-941.	4.3	54
40	Atmospheric moisture budget and its regulation on the variability of summer precipitation over the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 614-630.	3.3	127
41	Impact of surface sensible heating over the Tibetan Plateau on the western Pacific subtropical high: A land-air-sea interaction perspective. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 157-168.	4.3	59
42	Propagation and mechanisms of the quasi-biweekly oscillation over the Asian summer monsoon region. <i>Journal of Meteorological Research</i> , 2017, 31, 321-335.	2.4	14
43	Quantitative analysis of surface warming amplification over the Tibetan Plateau after the late 1990s using surface energy balance equation. <i>Atmospheric Science Letters</i> , 2017, 18, 112-117.	1.9	21
44	Impacts of the leading modes of tropical Indian Ocean sea surface temperature anomaly on sub-seasonal evolution of the circulation and rainfall over East Asia during boreal spring and summer. <i>Journal of Meteorological Research</i> , 2017, 31, 171-186.	2.4	24
45	Evaluation of intra-seasonal oscillation simulations in <sc>IPCC AR5</sc> coupled <sc>GCMs</sc> associated with the Asian summer monsoon. <i>International Journal of Climatology</i> , 2017, 37, 476-496.	3.5	6
46	Weighted composite analysis and its application: an example using ENSO and geopotential height. <i>Atmospheric Science Letters</i> , 2017, 18, 435-440.	1.9	9
47	Formation and variation of the atmospheric heat source over the Tibetan Plateau and its climate effects. <i>Advances in Atmospheric Sciences</i> , 2017, 34, 1169-1184.	4.3	51
48	Mechanism for occurrence of precipitation over the southern slope of the Tibetan Plateau without local surface heating. <i>International Journal of Climatology</i> , 2016, 36, 4164-4171.	3.5	22
49	Impacts of Tibetan Plateau Snow Cover on the Interannual Variability of the East Asian Summer Monsoon. <i>Journal of Climate</i> , 2016, 29, 8495-8514.	3.2	120
50	The Intraseasonal Oscillation of Eastern Tibetan Plateau Precipitation in Response to the Summer Eurasian Wave Train. <i>Journal of Climate</i> , 2016, 29, 7215-7230.	3.2	33
51	Does the climate warming hiatus exist over the Tibetan Plateau?. <i>Scientific Reports</i> , 2015, 5, 13711.	3.3	275
52	Quasi-Biweekly Oscillation over the Tibetan Plateau and Its Link with the Asian Summer Monsoon*. <i>Journal of Climate</i> , 2015, 28, 4921-4940.	3.2	44
53	Impact of Subdaily Air-Sea Interaction on Simulating Intraseasonal Oscillations over the Tropical Asian Monsoon Region. <i>Journal of Climate</i> , 2015, 28, 1057-1073.	3.2	11
54	Interannual variability of the spring atmospheric heat source over the Tibetan Plateau forced by the North Atlantic SSTA. <i>Climate Dynamics</i> , 2015, 45, 1617-1634.	3.8	64

#	ARTICLE	IF	CITATIONS
55	Can the tropical storms originated from the Bay of Bengal impact the precipitation and soil moisture over the Tibetan Plateau?. <i>Science China Earth Sciences</i> , 2015, 58, 915-928.	5.2	15
56	Relative contributions of the Tibetan Plateau thermal forcing and the Indian Ocean Sea surface temperature basin mode to the interannual variability of the East Asian summer monsoon. <i>Climate Dynamics</i> , 2015, 45, 2697-2711.	3.8	75
57	Tibetan Plateau climate dynamics: recent research progress and outlook. <i>National Science Review</i> , 2015, 2, 100-116.	9.5	342
58	Time-lagged impact of spring sensible heat over the Tibetan Plateau on the summer rainfall anomaly in East China: case studies using the WRF model. <i>Climate Dynamics</i> , 2014, 42, 2885-2898.	3.8	120
59	Impacts of boundary layer parameterization schemes and air-sea coupling on WRF simulation of the East Asian summer monsoon. <i>Science China Earth Sciences</i> , 2014, 57, 1480-1493.	5.2	21
60	Seasonal evolution of subtropical anticyclones in the climate system model FGOALS-s2. <i>Advances in Atmospheric Sciences</i> , 2013, 30, 593-606.	4.3	9
61	Performance of FGOALS-s2 in simulating intraseasonal oscillation over the south Asian monsoon region. <i>Advances in Atmospheric Sciences</i> , 2013, 30, 607-620.	4.3	2
62	The Tibetan Plateau Summer Monsoon in the CMIP5 Simulations. <i>Journal of Climate</i> , 2013, 26, 7747-7766.	3.2	61
63	Trends in Summer Rainfall over China Associated with the Tibetan Plateau Sensible Heat Source during 1980-2008. <i>Journal of Climate</i> , 2013, 26, 261-275.	3.2	157
64	Thermal Controls on the Asian Summer Monsoon. <i>Scientific Reports</i> , 2012, 2, 404.	3.3	615
65	Weather and climate effects of the Tibetan Plateau. <i>Advances in Atmospheric Sciences</i> , 2012, 29, 978-992.	4.3	140
66	Revisiting Asian monsoon formation and change associated with Tibetan Plateau forcing: I. Formation. <i>Climate Dynamics</i> , 2012, 39, 1169-1181.	3.8	125
67	Revisiting Asian monsoon formation and change associated with Tibetan Plateau forcing: II. Change. <i>Climate Dynamics</i> , 2012, 39, 1183-1195.	3.8	116
68	Trend in the atmospheric heat source over the central and eastern Tibetan Plateau during recent decades: Comparison of observations and reanalysis data. <i>Science Bulletin</i> , 2012, 57, 548-557.	1.7	40
69	Sensitivity of simulated tropical intraseasonal oscillations to cumulus schemes. <i>Science China Earth Sciences</i> , 2011, 54, 1761-1771.	5.2	4
70	Prolonged dry episodes and drought over China. <i>International Journal of Climatology</i> , 2011, 31, 1831-1840.	3.5	33
71	Persistent Weakening Trend in the Spring Sensible Heat Source over the Tibetan Plateau and Its Impact on the Asian Summer Monsoon. <i>Journal of Climate</i> , 2011, 24, 5671-5682.	3.2	104
72	Local air-sea interaction in Intertropical Convergence Zone simulations. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	4

#	ARTICLE	IF	CITATIONS
73	Influence of the Tibetan Plateau on the summer climate patterns over Asia in the IAP/LASG SAMIL model. <i>Advances in Atmospheric Sciences</i> , 2008, 25, 518-528.	4.3	29
74	Simulation of local air-sea interaction in the great warm pool and its influence on Asian monsoon. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	27
75	Weakening Trend in the Atmospheric Heat Source over the Tibetan Plateau during Recent Decades. Part I: Observations. <i>Journal of Climate</i> , 2008, 21, 3149-3164.	3.2	180
76	THERMAL-DYNAMICAL EFFECTS OF THE TIBETAN PLATEAU ON THE EAST ASIAN MONSOON. <i>Monsoon Asia Integrated Regional Study on Global Change</i> , 2008, , 9-22.	0.0	1
77	The Influence of Mechanical and Thermal Forcing by the Tibetan Plateau on Asian Climate. <i>Journal of Hydrometeorology</i> , 2007, 8, 770-789.	1.9	611
78	Cooling trend in the upper troposphere and lower stratosphere over China. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	13
79	Recent progress in the impact of the Tibetan Plateau on climate in China. <i>Advances in Atmospheric Sciences</i> , 2007, 24, 1060-1076.	4.3	83
80	Change of cloud amount and the climate warming on the Tibetan Plateau. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	205
81	New proofs of the recent climate warming over the Tibetan Plateau as a result of the increasing greenhouse gases emissions. <i>Science Bulletin</i> , 2006, 51, 1396-1400.	1.7	151
82	Wave-mean flow interaction and its relationship with the atmospheric energy cycle with diabatic heating. <i>Science in China Series D: Earth Sciences</i> , 2005, 48, 1293-1302.	0.9	3
83	Heating status of the Tibetan Plateau from April to June and rainfall and atmospheric circulation anomaly over East Asia in midsummer. <i>Science in China Series D: Earth Sciences</i> , 2005, 48, 250-257.	0.9	49
84	Observational constraint on the future projection of temperature in winter over the Tibetan Plateau in CMIP6 models. <i>Environmental Research Letters</i> , 0, , .	5.2	2