

Xiaojian C Zhang

List of Publications by Year in descending order

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48
papers

3,295
citations

236833

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48
all docs

48
docs citations

48
times ranked

1955
citing authors

#	ARTICLE	IF	CITATIONS
1	East Asian summer monsoon precipitation variability since the last deglaciation. <i>Scientific Reports</i> , 2015, 5, 11186.	1.6	534
2	Westerlies Asia and monsoonal Asia: Spatiotemporal differences in climate change and possible mechanisms on decadal to sub-orbital timescales. <i>Earth-Science Reviews</i> , 2019, 192, 337-354.	4.0	366
3	Holocene East Asian summer monsoon records in northern China and their inconsistency with Chinese stalagmite $\delta^{18}O$ records. <i>Earth-Science Reviews</i> , 2015, 148, 194-208.	4.0	275
4	A persistent Holocene wetting trend in arid central Asia, with wettest conditions in the late Holocene, revealed by multi-proxy analyses of loess-paleosol sequences in Xinjiang, China. <i>Quaternary Science Reviews</i> , 2016, 146, 134-146.	1.4	261
5	Holocene vegetation history, precipitation changes and Indian Summer Monsoon evolution documented from sediments of Xingyun Lake, south-west China. <i>Journal of Quaternary Science</i> , 2014, 29, 661-674.	1.1	171
6	Palaeosol development in the Chinese Loess Plateau as an indicator of the strength of the East Asian summer monsoon: Evidence for a mid-Holocene maximum. <i>Quaternary International</i> , 2014, 334-335, 155-164.	0.7	129
7	Definition of the core zone of the "westerlies-dominated climatic regime", and its controlling factors during the instrumental period. <i>Science China Earth Sciences</i> , 2015, 58, 676-684.	2.3	127
8	Interannual precipitation variations in the mid-latitude Asia and their association with large-scale atmospheric circulation. <i>Science Bulletin</i> , 2013, 58, 3962-3968.	1.7	119
9	Variability of East Asian summer monsoon precipitation during the Holocene and possible forcing mechanisms. <i>Climate Dynamics</i> , 2019, 52, 969-989.	1.7	96
10	The spatial-temporal patterns of Asian summer monsoon precipitation in response to Holocene insolation change: a model-data synthesis. <i>Quaternary Science Reviews</i> , 2014, 85, 47-62.	1.4	94
11	Formation and evolution of Gobi Desert in central and eastern Asia. <i>Earth-Science Reviews</i> , 2019, 194, 251-263.	4.0	85
12	Increasing summer precipitation in arid Central Asia linked to the weakening of the East Asian summer monsoon in the recent decades. <i>International Journal of Climatology</i> , 2021, 41, 1024-1038.	1.5	70
13	Quantitative precipitation estimates for the northeastern Qinghai-Tibetan Plateau over the last 18,000 years. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 5132-5143.	1.2	63
14	Quantitative Holocene climatic reconstructions for the lower Yangtze region of China. <i>Climate Dynamics</i> , 2018, 50, 1101-1113.	1.7	60
15	Quantifying climatic variability in monsoonal northern China over the last 2200 years and its role in driving Chinese dynastic changes. <i>Quaternary Science Reviews</i> , 2017, 159, 35-46.	1.4	55
16	Vegetation history, climatic changes and Indian summer monsoon evolution during the Last Glaciation (36,400-13,400 calyr BP) documented by sediments from Xingyun Lake, Yunnan, China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 410, 179-189.	1.0	54
17	Detecting the relationship between moisture changes in arid central Asia and East Asia during the Holocene by model-proxy comparison. <i>Quaternary Science Reviews</i> , 2017, 176, 36-50.	1.4	54
18	Variations in the oxygen isotopic composition of precipitation in the Tianshan Mountains region and their significance for the Westerly circulation. <i>Journal of Chinese Geography</i> , 2015, 25, 801-816.	1.5	53

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19	Differential ice volume and orbital modulation of Quaternary moisture patterns between Central and East Asia. <i>Earth and Planetary Science Letters</i> , 2020, 530, 115901.	1.8	53
20	A Tianshan Mountains loess-paleosol sequence indicates anti-phase climatic variations in arid central Asia and in East Asia. <i>Earth and Planetary Science Letters</i> , 2018, 494, 153-163.	1.8	48
21	Paleoclimatic changes and modulation of East Asian summer monsoon by high-latitude forcing over the last 130,000 years as revealed by independently dated loess-paleosol sequences on the NE Tibetan Plateau. <i>Quaternary Science Reviews</i> , 2020, 237, 106283.	1.4	47
22	Seasonal imprint of Holocene temperature reconstruction on the Tibetan Plateau. <i>Earth-Science Reviews</i> , 2022, 226, 103927.	4.0	47
23	Forcing mechanisms of orbital-scale changes in winter rainfall over northwestern China during the Holocene. <i>Holocene</i> , 2016, 26, 549-555.	0.9	39
24	Association of the Northern Hemisphere circumglobal teleconnection with the Asian summer monsoon during the Holocene in a transient simulation. <i>Holocene</i> , 2016, 26, 290-301.	0.9	30
25	Unstable Little Ice Age climate revealed by high-resolution proxy records from northwestern China. <i>Climate Dynamics</i> , 2019, 53, 1517-1526.	1.7	30
26	Chinese loess and the Asian monsoon: What we know and what remains unknown. <i>Quaternary International</i> , 2022, 620, 85-97.	0.7	30
27	Penetration of monsoonal water vapour into arid central Asia during the Holocene: An isotopic perspective. <i>Quaternary Science Reviews</i> , 2021, 251, 106713.	1.4	28
28	Lagged response of summer precipitation to insolation forcing on the northeastern Tibetan Plateau during the Holocene. <i>Climate Dynamics</i> , 2018, 50, 3117-3129.	1.7	25
29	Holocene negative coupling of summer temperature and moisture availability over southeastern arid Central Asia. <i>Climate Dynamics</i> , 2020, 55, 1187-1208.	1.7	23
30	Asynchronous variation in the East Asian winter monsoon during the Holocene. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 5357-5370.	1.2	22
31	Weakening of the East Asian summer monsoon at 1000±1100 A.D. within the Medieval Climate Anomaly: Possible linkage to changes in the Indian Ocean-western Pacific. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 2209-2219.	1.2	21
32	East Asian summer monsoon precipitation variations in China over the last 9500 years: A comparison of pollen-based reconstructions and model simulations. <i>Holocene</i> , 2016, 26, 592-602.	0.9	20
33	Hominin distribution in glacial-interglacial environmental changes in the Qinling Mountains range, central China. <i>Quaternary Science Reviews</i> , 2018, 198, 37-55.	1.4	20
34	Western Pacific Ocean influences on monsoon precipitation in the southwestern Chinese Loess Plateau since the mid-Holocene. <i>Climate Dynamics</i> , 2020, 54, 3121-3134.	1.7	20
35	East-west contrast of Northeast Asian summer precipitation during the Holocene. <i>Global and Planetary Change</i> , 2018, 170, 190-200.	1.6	18
36	Simulated precipitation changes in Central Asia since the Last Glacial Maximum. <i>Quaternary International</i> , 2018, 490, 82-97.	0.7	18

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37	Strengthened Indian summer monsoon brought more rainfall to the western Tibetan Plateau during the early Holocene. <i>Science Bulletin</i> , 2019, 64, 1482-1485.	4.3	14
38	Interannual and interdecadal variations in the North Atlantic Oscillation spatial shift. <i>Science Bulletin</i> , 2011, 56, 2621-2627.	1.7	13
39	Centennial-scale teleconnection between North Atlantic sea surface temperatures and the Indian summer monsoon during the Holocene. <i>Climate Dynamics</i> , 2016, 46, 3323-3336.	1.7	12
40	Regional-scale Precipitation Anomalies in Northern China During the Holocene and Possible Impact on Prehistoric Demographic Changes. <i>Geophysical Research Letters</i> , 2018, 45, 12,477.	1.5	12
41	East-west asymmetry in the distribution of rainfall in the Chinese Loess Plateau during the Holocene. <i>Catena</i> , 2021, 207, 105626.	2.2	12
42	Pacific Decadal Oscillation-like variability at a millennial timescale during the Holocene. <i>Global and Planetary Change</i> , 2021, 199, 103448.	1.6	9
43	Role of Asian Westerly Jet Core's Zonal Migration in Holocene East Asian Summer Monsoon Precipitation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	6
44	Late Miocene Tarim desert wetting linked with eccentricity minimum and East Asian monsoon weakening. <i>Nature Communications</i> , 2022, 13, .	5.8	5
45	Asynchronous variations of East Asian summer monsoon, vegetation and soil formation at Yulin (North China) in the Holocene. <i>Journal of Quaternary Science</i> , 2022, 37, 1083-1090.	1.1	4
46	The Driving Forces Underlying Spatiotemporal Lake Extent Changes in the Inner Tibetan Plateau During the Holocene. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	3
47	Reply to comment by Rashid et al. on "Asynchronous variation in the East Asian winter monsoon during the Holocene". <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 1615-1620.	1.2	0
48	Influence of May-June frontal precipitation on coherent moisture pattern in east-central China since 1793 based on tree-ring data. <i>Quaternary International</i> , 2021, 607, 79-79.	0.7	0