

# Xiao-zhong Huang

## List of Publications by Year in descending order

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58  
papers

3,751  
citations

279487

23  
h-index

143772

57  
g-index

60  
all docs

60  
docs citations

60  
times ranked

2188  
citing authors

#	ARTICLE	IF	CITATIONS
1	Holocene moisture evolution in arid central Asia and its out-of-phase relationship with Asian monsoon history. <i>Quaternary Science Reviews</i> , 2008, 27, 351-364.	1.4	967
2	East Asian summer monsoon precipitation variability since the last deglaciation. <i>Scientific Reports</i> , 2015, 5, 11186.	1.6	534
3	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
4	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
5	Dry late-glacial and early Holocene climate in arid central Asia indicated by lithological and palynological evidence from Bosten Lake, China. <i>Quaternary International</i> , 2009, 194, 19-27.	0.7	168
6	Humid Little Ice Age in arid central Asia documented by Bosten Lake, Xinjiang, China. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 1280-1290.	0.9	156
7	Holocene moisture and East Asian summer monsoon evolution in the northeastern Tibetan Plateau recorded by Lake Qinghai and its environs: A review of conflicting proxies. <i>Quaternary Science Reviews</i> , 2016, 154, 111-129.	1.4	143
8	Application and limitations of the <i>Artemisia</i> / <i>Chenopodiaceae</i> pollen ratio in arid and semi-arid China. <i>Holocene</i> , 2012, 22, 1385-1392.	0.9	116
9	Holocene Vegetation and Climate Dynamics in the Altai Mountains and Surrounding Areas. <i>Geophysical Research Letters</i> , 2018, 45, 6628-6636.	1.5	96
10	Towards quantification of Holocene anthropogenic land-cover change in temperate China: A review in the light of pollen-based REVEALS reconstructions of regional plant cover. <i>Earth-Science Reviews</i> , 2020, 203, 103119.	4.0	84
11	Differences of modern pollen assemblages from lake sediments and surface soils in arid and semi-arid China and their significance for pollen-based quantitative climate reconstruction. <i>Review of Palaeobotany and Palynology</i> , 2009, 156, 519-524.	0.8	78
12	Vegetation and climate history reconstructed from an alpine lake in central Tianshan Mountains since 8.5 ka BP. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 432, 36-48.	1.0	76
13	Early human impacts on vegetation on the northeastern Qinghai-Tibetan Plateau during the middle to late Holocene. <i>Progress in Physical Geography</i> , 2017, 41, 286-301.	1.4	56
14	Vegetation history, climatic changes and Indian summer monsoon evolution during the Last Glaciation (36,400–13,400calyr BP) documented by sediments from Xingyun Lake, Yunnan, China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 410, 179-189.	1.0	54
15	Trend of increasing Holocene summer precipitation in arid central Asia: Evidence from an organic carbon isotopic record from the LJW10 loess section in Xinjiang, NW China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 509, 24-32.	1.0	50
16	Developing inorganic carbon-based radiocarbon chronologies for Holocene lake sediments in arid NW China. <i>Quaternary Science Reviews</i> , 2016, 144, 66-82.	1.4	41
17	Sedimentary <i>Pediastrum</i> record of middle–late Holocene temperature change and its impacts on early human culture in the desert-oasis area of northwestern China. <i>Quaternary Science Reviews</i> , 2021, 265, 107054.	1.4	34
18	Modern pollen assemblages from human-influenced vegetation in northwestern China and their relationship with vegetation and climate. <i>Vegetation History and Archaeobotany</i> , 2018, 27, 767-780.	1.0	32

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19	Vegetation response in subtropical southwest China to rapid climate change during the Younger Dryas. <i>Earth-Science Reviews</i> , 2020, 201, 103080.	4.0	29
20	Long-term herbivore population dynamics in the northeastern Qinghai-Tibetan Plateau and its implications for early human impacts. <i>Review of Palaeobotany and Palynology</i> , 2020, 275, 104171.	0.8	29
21	A novel procedure for pollen-based quantitative paleoclimate reconstructions and its application in China. <i>Science China Earth Sciences</i> , 2017, 60, 2059-2066.	2.3	29
22	Relationships between chironomids and water depth in Bosten Lake, Xinjiang, northwest China. <i>Journal of Paleolimnology</i> , 2014, 51, 313-323.	0.8	25
23	Early- to middle Holocene ecological change and its influence on human subsistence strategies in the Luoyang Basin, north-central China. <i>Quaternary Research</i> , 2018, 89, 446-458.	1.0	24
24	Intensification and Driving Forces of Pastoralism in Northern China 5.7 ka Ago. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092288.	1.5	24
25	Hydroclimatic changes over the past 900 years documented by the sediments of Tiwaike Lake, Altai Mountains, Northwestern China. <i>Quaternary International</i> , 2017, 452, 91-101.	0.7	23
26	A late-Holocene pollen record from the western Qilian Mountains and its implications for climate change and human activity along the Silk Road, Northwestern China. <i>Holocene</i> , 2018, 28, 1141-1150.	0.9	21
27	The impact of climate change and human activity on the ecological status of Bosten Lake, NW China, revealed by a diatom record for the last 2000 years. <i>Holocene</i> , 2019, 29, 1871-1884.	0.9	21
28	Anthropogenic mountain forest degradation and soil erosion recorded in the sediments of Mayinghai Lake in northern China. <i>Catena</i> , 2021, 207, 105597.	2.2	21
29	Modern pollen assemblages in topsoil and surface sediments of the Xingyun Lake catchment, central Yunnan Plateau, China, and their implications for interpretation of the fossil pollen record. <i>Review of Palaeobotany and Palynology</i> , 2017, 241, 1-12.	0.8	18
30	Vegetation History and Precipitation Changes in the NE Qinghai-Tibet Plateau: A 7,900-Year Pollen Record From Caodalain Lake. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004126.	1.3	18
31	A GIS-based landslide hazard assessment by multivariate analysis. <i>Journal of the Japan Landslide Society</i> , 2008, 45, 187-195.	0.1	17
32	Pollen distribution in large freshwater lake of arid region: a case study on the surface sediments from Bosten Lake, Xinjiang, China. <i>Frontiers of Earth Science</i> , 2010, 4, 174-180.	0.5	17
33	Lateglacial and Holocene climate change in the NE Tibetan Plateau: Reconciling divergent proxies of Asian summer monsoon variability. <i>Catena</i> , 2021, 199, 105089.	2.2	15
34	Pediastrum (Chlorophyceae) assemblages in surface lake sediments in China and western Mongolia and their environmental significance. <i>Review of Palaeobotany and Palynology</i> , 2021, 289, 104396.	0.8	15
35	Late Holocene land use evolution and vegetation response to climate change in the watershed of Xingyun Lake, SW China. <i>Catena</i> , 2022, 211, 105973.	2.2	15
36	Meltwater-Driven Water Level Fluctuations of Bosten Lake in Arid China Over the Past 2,000 Years. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090988.	1.5	14

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37	Vegetation change and human-environment interactions in the Qinghai Lake Basin, northeastern Tibetan Plateau, since the last deglaciation. <i>Catena</i> , 2022, 210, 105892.	2.2	14
38	Effects of human activities on mountain forest in northern China during the middle Holocene. <i>Quaternary Science Reviews</i> , 2022, 288, 107580.	1.4	14
39	Impact of recent climate change on Lake Kanas, Altai Mountains (N.W. China) inferred from diatom and geochemical evidence. <i>Journal of Paleolimnology</i> , 2018, 59, 461-477.	0.8	12
40	Cycles of grazing and agricultural activity during the historical period and its relationship with climatic and societal changes in northern China. <i>Land Degradation and Development</i> , 2021, 32, 3315-3325.	1.8	11
41	Changes in the hydrodynamic intensity of Bosten Lake and its impact on early human settlement in the northeastern Tarim Basin, Arid Central Asia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 576, 110499.	1.0	10
42	Divergent patterns of Holocene hydro-climatic evolution in arid central Asia and the Asian summer monsoon margin indicated by <i>Pediastrum</i> records. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 582, 110662.	1.0	10
43	Environmental status of the Jilantai Basin, North China, on the northwestern margin of the modern Asian summer monsoon domain during Marine Isotope Stage 3. <i>Journal of Asian Earth Sciences</i> , 2017, 147, 178-192.	1.0	9
44	A preliminary investigation of relationship between modern <i>Pediastrum</i> and the level of Xingyun Lake, central Yunnan, and its implications for the interpretation of the fossil record. <i>Chinese Science Bulletin</i> , 2016, 61, 2395-2408.	0.4	9
45	Spatiotemporal variation in human settlements and their interaction with living environments in Neolithic and Bronze Age China. <i>Progress in Physical Geography</i> , 2022, 46, 949-967.	1.4	9
46	The effect of diatoms on the grain size of lake sediments: a case study of the sediments of Lake Kanas. <i>Journal of Paleolimnology</i> , 2020, 63, 101-111.	0.8	8
47	Long-distance modern analogues bias results of pollen-based precipitation reconstructions. <i>Science Bulletin</i> , 2022, 67, 1115-1117.	4.3	8
48	Pollen Record of Humidity Changes in the Arid Western Qilian Mountains Over the Past 3000 Years and Comparison With Tree-Ring Reconstructions. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	6
49	Moisture Changes in the Northern Xinjiang Basin Over the Past 2400 years as Documented in Pollen Records of Jili Lake. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	6
50	Holocene fire records and their drivers in the westerlies-dominated Central Asia. <i>Science of the Total Environment</i> , 2022, 833, 155153.	3.9	6
51	In-site pollen record from the Dadiwan archaeological site and the human-environment relationship during Marine Oxygen Isotope Stage 3. <i>Quaternary Research</i> , 2019, 91, 289-300.	1.0	4
52	Temperature variations over the past 600 years documented by a $\delta^{13}C$ record from terrestrial plant remains from Kanas Lake, Altai Mountains, Northwestern China. <i>Chinese Science Bulletin</i> , 2017, 62, 2829-2839.	0.4	4
53	Holocene hydroclimate changes revealed by multiple proxies from an alpine lake in the central Tianshan Mountains, Northwest China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 597, 111004.	1.0	4
54	The luminescence dating chronology of a deep core from Bosten Lake (NW China) in arid central Asia reveals lake evolution over the last 22000 years. <i>Boreas</i> , 2017, 46, 264-281.	1.2	3

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55	An inverse relationship between moisture and grazing intensity in an arid mountain-basin system. <i>Progress in Physical Geography</i> , 2022, 46, 310-322.	1.4	3
56	An updated chronology and paleoenvironmental background for the Paleolithic Loufangzi site, North China. <i>Journal of Human Evolution</i> , 2021, 152, 102948.	1.3	2
57	Climatic quantification and seasonality of the late MIS 3 in North China: A perspective from carbon and oxygen isotopes of fossil mammal teeth. <i>Quaternary Science Reviews</i> , 2021, 272, 107222.	1.4	2
58	Featured Front Cover. <i>Land Degradation and Development</i> , 2021, 32, i.	1.8	0