Xianyong Cao

List of Publications by Year
in descending order

		471509	526287
27	**1,429**	**17**	**27**
papers	citations	h-index	g-index

27	**27**	**27**	**1229**
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	East Asian summer monsoon precipitation variability since the last deglaciation. Scientific Reports, 2015, 5, 11186.	3.3	534
2	Position and orientation of the westerly jet determined Holocene rainfall patterns in China. Nature Communications, 2019, 10, 2376.	12.8	112
3	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. Earth-Science Reviews, 2020, 203, 103119.	9.1	84
4	Vegetation succession and East Asian Summer Monsoon Changes since the last deglaciation inferred from high-resolution pollen record in Gonghai Lake, Shanxi Province, China. Holocene, 2017, 27, 835-846.	1.7	67
5	Biome distribution over the last 22,000yr in China. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 409, 33-47.	2.3	66
6	Impacts of the spatial extent of pollen-climate calibration-set on the absolute values, range and trends of reconstructed Holocene precipitation. Quaternary Science Reviews, 2017, 178, 37-53.	3.0	60
7	Relative pollen productivities of typical steppe species in northern China and their potential in past vegetation reconstruction. Science China Earth Sciences, 2014, 57, 1254-1266.	5.2	56
8	Spatial and temporal distributions of major tree taxa in eastern continental Asia during the last 22,000 years. Holocene, 2015, 25, 79-91.	1.7	54
9	Holocene climate change and human impacts implied from the pollen records in Anyang, central China. Quaternary International, 2010, 227, 3-9.	1.5	47
10	Pollen-based quantitative land-cover reconstruction for northern Asia covering the last 40 ka cal BP. Climate of the Past, 2019, 15, 1503-1536.	3.4	46
11	Quantitative woody cover reconstructions from eastern continental Asia of the last 22 kyr reveal strong regional peculiarities. Quaternary Science Reviews, 2016, 137, 33-44.	3.0	39
12	Human activities have reduced plant diversity in eastern China over the last two millennia. Global Change Biology, 2022, 28, 4962-4976.	9.5	36
13	Lake surface sediment pollen dataset for the alpine meadow vegetation type from the eastern Tibetan Plateau and its potential in past climate reconstructions. Earth System Science Data, 2021, 13, 3525-3537.	9.9	32
14	Biome changes and their inferred climatic drivers in northern and eastern continental Asia at selected times since 40 cal ka bp. Vegetation History and Archaeobotany, 2018, 27, 365-379.	2.1	28
15	Northern Hemisphere biome changes (>30°N) since 40 cal ka BP and their driving factors inferred from model-data comparisons. Quaternary Science Reviews, 2019, 220, 291-309.	3.0	23
16	Characteristic pollen source area and vertical pollen dispersal and deposition in a mixed coniferous and deciduous broad-leaved woodland in the Changbai mountains, northeast China. Vegetation History and Archaeobotany, 2016, 25, 29-43.	2.1	19
17	Modern pollen assemblages of the forest communities and their relationships with vegetation and climate in northern China. Journal of Chinese Geography, 2009, 19, 643-659.	3.9	18
18	Pollen assemblages from different agricultural units and their spatial distribution in Anyang area. Science Bulletin, 2010, 55, 544-554.	1.7	17

#	Article	IF	Citations
19	A taxonomically harmonized and temporally standardized fossil pollen dataset from Siberia covering the last 40 kyr. Earth System Science Data, 2020, 12, 119-135.	9.9	15
20	Improving the quality of pollen-climate calibration-sets is the primary step for ensuring reliable climate reconstructions. Science Bulletin, 2018, 63, 1317-1318.	9.0	14
21	Biome reconstruction on the Tibetan Plateau since the Last Glacial Maximum using a machine learning method. Science China Earth Sciences, 2022, 65, 518-535.	5.2	13
22	A modern pollen data set for the forest–meadow–steppe ecotone from the Tibetan Plateau and its potential use in past vegetation reconstruction. Boreas, 2022, 51, 847-858.	2.4	12
23	No evidence of human disturbance to vegetation in the Zoige Region (north-eastern Tibetan Plateau) in the last millennium until recent decades. Palaeogeography, Palaeoclimatology, Palaeoecology, 2022, 589, 110843.	2.3	10
24	Soil-surface pollen assemblages and quantitative relationships with vegetation and climate from the Inner Mongolian Plateau and adjacent mountain areas of northern China. Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 543, 109600.	2.3	8
25	Long-distance modern analogues bias results of pollen-based precipitation reconstructions. Science Bulletin, 2022, 67, 1115-1117.	9.0	8
26	Enhanced aridity in the source region of the Yangtze River since 5.8 ka revealed by the sediments of Saiyong Co. Quaternary International, 2022, 613, 81-90.	1.5	7
27	Vegetation and environmental changes since the Last Glacial Maximum inferred from a lake core from Saiyong Co, central Tibetan Plateau. Holocene, 2022, 32, 543-553.	1.7	4