Shengrui Zhang

List of Publications by Year
in descending order

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51 papers	1,730 citations	361413 20 h-index	289244 40 g-index
51 all docs	51 docs citations	51 times ranked	1247 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	Pollen evidence for a mid-Holocene East Asian summer monsoon maximum in northern China. Quaternary Science Reviews, 2017, 176, 29-35.	3.0	124
3	Studies of modern pollen assemblages for pollen dispersal- deposition- preservation process understanding and for pollen-based reconstructions of past vegetation, climate, and human impact: A review based on case studies in China. Quaternary Science Reviews, 2016, 149, 151-166.	3.0	83
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	Carbon and nitrogen signatures of sedimentary organic matter from Dali Lake in Inner Mongolia: Implications for Holocene hydrological and ecological variations in the East Asian summer monsoon margin. Quaternary International, 2017, 452, 65-78.	1.5	57
6	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
7	Environmental magnetic studies of sediment cores from Gonghai Lake: implications for monsoon evolution in North China during the late glacial and Holocene. Journal of Paleolimnology, 2013, 49, 447-464.	1.6	53
8	A Review of Relative Pollen Productivity Estimates From Temperate China for Pollen-Based Quantitative Reconstruction of Past Plant Cover. Frontiers in Plant Science, 2018, 9, 1214.	3.6	44
9	The 4.2â€‰kaâ€‰BP event: multi-proxy records from a closed lake in the northern margin of the East Asian summer monsoon. Climate of the Past, 2018, 14, 1417-1425.	3.4	41
10	Potential biodiversity threats associated with the metal pollution in the Nileâ€“Delta ecosystem (Manzala lagoon, Egypt). Ecological Indicators, 2019, 98, 844-853.	6.3	40
11	The 4.2 ka event and its resulting cultural interruption in the Daihai Lake basin at the East Asian summer monsoon margin. Quaternary International, 2019, 527, 87-93.	1.5	37
12	Indicator pollen taxa of human-induced and natural vegetation in Northern China. Holocene, 2015, 25, 686-701.	1.7	34
13	Droughts in the East Asian summer monsoon margin during the last 6 kyrs: Link to the North Atlantic cooling events. Quaternary Science Reviews, 2016, 151, 88-99.	3.0	34
14	Inter-relationship and environmental significance of stalagmite Î´13C and Î´18O records from Zhenzhu Cave, north China, over the last 130 ka. Earth and Planetary Science Letters, 2020, 536, 116149.	4.4	33
15	Phenotypic plasticity of the gastropod Melanoides tuberculata in the Nile Delta: A pollution-induced stabilizing selection. Marine Pollution Bulletin, 2018, 133, 701-710.	5.0	31
16	Unstable Little Ice Age climate revealed by high-resolution proxy records from northwestern China. Climate Dynamics, 2019, 53, 1517-1526.	3.8	30
17	A novel procedure for pollen-based quantitative paleoclimate reconstructions and its application in China. Science China Earth Sciences, 2017, 60, 2059-2066.	5.2	29
18	Water chemistry and substrate type as major determinants of molluscan feeding habit and lifeâ€“mode in lagoon sediments. Estuarine, Coastal and Shelf Science, 2019, 220, 120-130.	2.1	25

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19	Intensification and Driving Forces of Pastoralism in Northern China 5.7 ka Ago. Geophysical Research Letters, 2021, 48, e2020GL092288.	4.0	24
20	Differential response of vegetation in Hulun Lake region at the northern margin of Asian summer monsoon to extreme cold events of the last deglaciation. Quaternary Science Reviews, 2018, 190, 57-65.	3.0	23
21	Mineralogy and carbonate geochemistry of the Dali Lake sediments: Implications for paleohydrological changes in the East Asian summer monsoon margin during the Holocene. Quaternary International, 2019, 527, 103-112.	1.5	20
22	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
23	Surface pollen assemblages of human-disturbed vegetation and their relationship with vegetation and climate in Northeast China. Science Bulletin, 2012, 57, 535-547.	1.7	18
24	Holocene moisture variations in the Arid Central Asia: New evidence from the southern Altai Mountains of China. Science of the Total Environment, 2020, 735, 139545.	8.0	18
25	Relative pollen productivities of the major plant taxa of subtropical evergreenâ€“deciduous mixed woodland in China. Journal of Quaternary Science, 2020, 35, 526-538.	2.1	18
26	Pollen assemblages and their environmental implications in the <scp>Q</scp>aidam <scp>B</scp>asin, <scp>NW C</scp>hina. Boreas, 2012, 41, 602-613.	2.4	17
27	Late Holocene transition from natural to anthropogenic forcing of vegetation change in the semi-arid region of northern China. Quaternary Science Reviews, 2022, 287, 107561.	3.0	15
28	A novel procedure for quantitative regional paleoclimatic reconstruction using surface pollen assemblages. Quaternary Science Reviews, 2020, 240, 106385.	3.0	14
29	Holocene vegetation dynamics and associated climate changes in the Altai Mountains of the Arid Central Asia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 550, 109744.	2.3	14
30	Organic geochemical investigations of the Dali Lake sediments in northern China: Implications for environment and climate changes of the last deglaciation in the East Asian summer monsoon margin. Journal of Asian Earth Sciences, 2017, 140, 135-146.	2.3	13
31	Spatial patterns of vegetation and climate in the North China Plain during the Last Glacial Maximum and Holocene climatic optimum. Science China Earth Sciences, 2019, 62, 1279-1287.	5.2	13
32	Holocene Indian Summer Monsoon variations inferred from end-member modeling of sediment grain size in the Andaman Sea. Quaternary International, 2020, 558, 28-38.	1.5	13
33	Pollen-based quantitative reconstruction of the paleoclimate during the formation process of Houjiayao Relic Site in Nihewan Basin of China. Quaternary International, 2015, 374, 76-84.	1.5	12
34	The manifestation of the Younger Dryas event in the East Asian summer monsoon margin: New evidence from carbonate geochemistry of the Dali Lake sediments in northern China. Holocene, 2018, 28, 1082-1092.	1.7	12
35	Contrasting impacts of the 8.2â€•and 4.2â€•ka abrupt climatic events on the regional vegetation of the Hulun Lake region in northâ€•eastern China. Journal of Quaternary Science, 2020, 35, 831-840.	2.1	12
36	Quantitative indicative significance of pollen assemblages on vegetation coverage in deciduous Quercus forest in the central Loess Plateau, China. Science China Earth Sciences, 2019, 62, 992-1001.	5.2	11

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37	Cycles of grazing and agricultural activity during the historical period and its relationship with climatic and societal changes in northern China. Land Degradation and Development, 2021, 32, 3315-3325.	3.9	11
38	Pollen-based reconstruction of total land-cover change over the Holocene in the temperate steppe region of China: An attempt to quantify the cover of vegetation and bare ground in the past using a novel approach. Catena, 2022, 214, 106307.	5.0	11
39	Spatial and temporal characteristics of the precipitation response to the 4.2Âka event in the Asian summer monsoon region. Global and Planetary Change, 2022, 214, 103854.	3.5	11
40	Pollen-based temporal-spatial land cover reconstruction in North China for the last 6,000 years. Quaternary International, 2022, 641, 6-14.	1.5	10
41	Pollen assemblages of cultivated vegetation in central and southern Hebei Province. Journal of Chinese Geography, 2011, 21, 549-560.	3.9	9
42	Study on stratigraphic age, climate changes and environment background of Houjiayao Site in Nihewan Basin. Quaternary International, 2014, 349, 42-48.	1.5	9
43	Significant weak monsoon events during the early to middle Holocene transition: Pollen evidence from an alpine lake in North China. Quaternary Science Reviews, 2022, 282, 107454.	3.0	7
44	Significance of pollen assemblages for the vegetationcomposition of alpine shrub meadow in theQinghai-Tibetan Plateau, China. Chinese Science Bulletin, 2019, 64, 2141-2150.	0.7	5
45	Regional precipitation variations during Heinrich events and Dansgaard-Oeschger cycles in the northern margin of the East Asian summer monsoon region. Quaternary Science Reviews, 2022, 278, 107380.	3.0	5
46	Variations of the stable isotopic composition of precipitation and cave drip water at zhenzhu cave, north China: a two-year monitoring study. Journal of Cave and Karst Studies, 2019, 81, 123-135.	0.6	4
47	Paleovegetation and paleotemperature in North China during the mid-Holocene based on sedimentological and palynological evidence from Lake Baiyangdian. Palaeogeography, Palaeoclimatology, Palaeoecology, 2022, 595, 110982.	2.3	4
48	Holocene environmental changes and human activity at the Jijitan site in the Nihewan Basin, China. Holocene, 2018, 28, 1151-1159.	1.7	2
49	Quantitative vegetation reconstruction in the Central North China Plain of the last 3000 years based on the REVEALS model. Quaternary International, 2022, 641, 39-50.	1.5	2
50	Surface pollen assemblages from different sedimentary environments in the Yinchuan Basin, North China, and their significance for stratigraphic pollen records. Quaternary International, 2021, 583, 103-109.	1.5	1
51	Relative pollen productivities of major woody plant taxa in deciduous broadleaved forest in the Ziwuling Mountains of the central Chinese Loess Plateau. Quaternary International, 2022, , .	1.5	1