

Fahu Chen

List of Publications by Year in descending order

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370
papers

19,945
citations

11646
70
h-index

18128
120
g-index

382
all docs

382
docs citations

382
times ranked

8822
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.	3.0	967
2	A Test of Climate, Sun, and Culture Relationships from an 1810-Year Chinese Cave Record. <i>Science</i> , 2008, 322, 940-942.	12.6	873
3	Recent Third Pole's Rapid Warming Accompanies Cryospheric Melt and Water Cycle Intensification and Interactions between Monsoon and Environment: Multidisciplinary Approach with Observations, Modeling, and Analysis. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 423-444.	3.3	590
4	East Asian summer monsoon precipitation variability since the last deglaciation. <i>Scientific Reports</i> , 2015, 5, 11186.	3.3	534
5	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.	9.1	366
6	El Niño modulations over the past seven centuries. <i>Nature Climate Change</i> , 2013, 3, 822-826.	18.8	328
7	A late Middle Pleistocene Denisovan mandible from the Tibetan Plateau. <i>Nature</i> , 2019, 569, 409-412.	27.8	302
8	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.	9.1	275
9	Hydroclimatic changes in China and surroundings during the Medieval Climate Anomaly and Little Ice Age: spatial patterns and possible mechanisms. <i>Quaternary Science Reviews</i> , 2015, 107, 98-111.	3.0	268
10	Desertification in China: An assessment. <i>Earth-Science Reviews</i> , 2008, 88, 188-206.	9.1	263
11	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.	3.0	261
12	Vegetation response to Holocene climate change in monsoon-influenced region of China. <i>Earth-Science Reviews</i> , 2009, 97, 242-256.	9.1	247
13	Spatiotemporal precipitation variations in the arid Central Asia in the context of global warming. <i>Science China Earth Sciences</i> , 2011, 54, 1812-1821.	5.2	234
14	Holocene monsoon climate documented by oxygen and carbon isotopes from lake sediments and peat bogs in China: a review and synthesis. <i>Quaternary Science Reviews</i> , 2011, 30, 1973-1987.	3.0	226
15	Holocene vegetation and climate history at Hurleg Lake in the Qaidam Basin, northwest China. <i>Review of Palaeobotany and Palynology</i> , 2007, 145, 275-288.	1.5	223
16	The Kobresia pygmaea ecosystem of the Tibetan highlands – Origin, functioning and degradation of the world's largest pastoral alpine ecosystem. <i>Science of the Total Environment</i> , 2019, 648, 754-771.	8.0	209
17	The relative role of climatic and human factors in desertification in semiarid China. <i>Global Environmental Change</i> , 2006, 16, 48-57.	7.8	187
18	Climate change, vegetation history, and landscape responses on the Tibetan Plateau during the Holocene: A comprehensive review. <i>Quaternary Science Reviews</i> , 2020, 243, 106444.	3.0	180

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19	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.	2.1	171
20	Tree-ring based drought reconstruction for the central Tien Shan area in northwest China. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	163
21	Drought reconstruction for North Central China from tree rings: the value of the Palmer drought severity index. <i>International Journal of Climatology</i> , 2007, 27, 903-909.	3.5	158
22	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
23	A Holocene sedimentary record from Bosten Lake, China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 234, 223-238.	2.3	146
24	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.	3.0	143
25	Physical Mechanisms of Summer Precipitation Variations in the Tarim Basin in Northwestern China. <i>Journal of Climate</i> , 2015, 28, 3579-3591.	3.2	138
26	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 2002, 133, 205-213.	2.4	136
27	Causes of early Holocene desertification in arid central Asia. <i>Climate Dynamics</i> , 2012, 38, 1577-1591.	3.8	136
28	Rapid tree growth with respect to the last 400 years in response to climate warming, northeastern Tibetan Plateau. <i>International Journal of Climatology</i> , 2007, 27, 1497-1503.	3.5	131
29	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.	1.5	129
30	Denisovan DNA in Late Pleistocene sediments from Baishiya Karst Cave on the Tibetan Plateau. <i>Science</i> , 2020, 370, 584-587.	12.6	129
31	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.	5.2	127
32	A mid-Holocene drought interval as evidenced by lake desiccation in the Alashan Plateau, Inner Mongolia, China. <i>Science Bulletin</i> , 2003, 48, 1401.	1.7	119
33	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
34	Spatial and temporal patterns of Holocene vegetation and climate changes in arid and semi-arid China. <i>Quaternary International</i> , 2009, 194, 6-18.	1.5	115
35	Position and orientation of the westerly jet determined Holocene rainfall patterns in China. <i>Nature Communications</i> , 2019, 10, 2376.	12.8	112
36	Tree ring based streamflow reconstruction for the Upper Yellow River over the past 1234 years. <i>Science Bulletin</i> , 2010, 55, 4179-4186.	1.7	111

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37	Streamflow variations of the Yellow River over the past 593 years in western China reconstructed from tree rings. <i>Water Resources Research</i> , 2007, 43, .	4.2	108
38	Rapid warming in mid-latitude central Asia for the past 100 years. <i>Frontiers of Earth Science</i> , 2009, 3, 42-50.	0.5	108
39	Reconstructed droughts for the southeastern Tibetan Plateau over the past 568 years and its linkages to the Pacific and Atlantic Ocean climate variability. <i>Climate Dynamics</i> , 2010, 35, 577-585.	3.8	107
40	Aerosol-weakened summer monsoons decrease lake fertilization on the Chinese Loess Plateau. <i>Nature Climate Change</i> , 2017, 7, 190-194.	18.8	106
41	Formation and evolution of the Badain Jaran Desert, North China, as revealed by a drill core from the desert centre and by geological survey. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 426, 139-158.	2.3	105
42	Exploring the history of cultural exchange in prehistoric Eurasia from the perspectives of crop diffusion and consumption. <i>Science China Earth Sciences</i> , 2017, 60, 1110-1123.	5.2	105
43	Spatial and temporal variety of prehistoric human settlement and its influencing factors in the upper Yellow River valley, Qinghai Province, China. <i>Journal of Archaeological Science</i> , 2013, 40, 2538-2546.	2.4	101
44	Dietary shift after 3600 cal BP and its influencing factors in northwestern China: Evidence from stable isotopes. <i>Quaternary Science Reviews</i> , 2016, 145, 57-70.	3.0	100
45	The development of agriculture and its impact on cultural expansion during the late Neolithic in the Western Loess Plateau, China. <i>Holocene</i> , 2013, 23, 85-92.	1.7	99
46	Tree-ring based drought reconstruction for the Guiling Mountain (China): linkages to the Indian and Pacific Oceans. <i>International Journal of Climatology</i> , 2010, 30, 1137-1145.	3.5	98
47	Tree-ring based reconstruction of drought variability (1615–2009) in the Kongtong Mountain area, northern China. <i>Global and Planetary Change</i> , 2012, 80-81, 190-197.	3.5	98
48	Millennium tree-ring reconstruction of drought variability in the eastern Qilian Mountains, northwest China. <i>Climate Dynamics</i> , 2015, 45, 1761-1770.	3.8	98
49	Investigating the long-term palaeoclimatic controls on the δD and $\delta^{18}O$ of precipitation during the Holocene in the Indian and East Asian monsoonal regions. <i>Earth-Science Reviews</i> , 2016, 159, 292-305.	9.1	98
50	Holocene Vegetation and Climate Dynamics in the Altai Mountains and Surrounding Areas. <i>Geophysical Research Letters</i> , 2018, 45, 6628-6636.	4.0	96
51	Asian dust-storm activity dominated by Chinese dynasty changes since 2000 BP. <i>Nature Communications</i> , 2020, 11, 992.	12.8	95
52	Abrupt Holocene changes of the Asian monsoon at millennial- and centennial-scales: Evidence from lake sediment document in Minqin Basin, NW China. <i>Science Bulletin</i> , 2001, 46, 1942-1947.	1.7	90
53	Decoupled early Holocene summer temperature and monsoon precipitation in southwest China. <i>Quaternary Science Reviews</i> , 2018, 193, 54-67.	3.0	90
54	Holocene record of eolian activity from Genggahai Lake, northeastern Qinghai-Tibetan Plateau, China. <i>Geophysical Research Letters</i> , 2014, 41, 589-595.	4.0	89

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55	Tectono-climatic implications of Eocene Paratethys regression in the Tajik basin of central Asia. <i>Earth and Planetary Science Letters</i> , 2015, 424, 168-178.	4.4	88
56	Late Quaternary aeolian activity in Gonghe Basin, northeastern Qinghai-Tibetan Plateau, China. <i>Quaternary Research</i> , 2013, 79, 403-412.	1.7	87
57	Holocene temperature fluctuations in the northern Tibetan Plateau. <i>Quaternary Research</i> , 2013, 80, 55-65.	1.7	85
58	Mid-Holocene climate change and its effect on prehistoric cultural evolution in eastern Qinghai Province, China. <i>Quaternary Research</i> , 2012, 77, 23-30.	1.7	84
59	Late Pleistocene and Holocene aeolian sedimentation in Gonghe Basin, northeastern Qinghai-Tibetan Plateau: Variability, processes, and climatic implications. <i>Quaternary Science Reviews</i> , 2016, 132, 57-73.	3.0	84
60	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.	9.1	84
61	Sensitive response of desert vegetation to moisture change based on a near-annual resolution pollen record from Gahai Lake in the Qaidam Basin, northwest China. <i>Global and Planetary Change</i> , 2008, 62, 107-114.	3.5	83
62	Chronology and paleoenvironmental records of a drill core in the central Tengger Desert of China. <i>Quaternary Science Reviews</i> , 2014, 85, 85-98.	3.0	83
63	Vegetation history, climate change and human activities over the last 6200years on the Liupan Mountains in the southwestern Loess Plateau in central China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 293, 197-205.	2.3	78
64	A 2000-year dust storm record from Lake Sugan in the dust source area of arid China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2149-2160.	3.3	78
65	An integrated study of the grain-size-dependent magnetic mineralogy of the Chinese loess/paleosol and its environmental significance. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	76
66	On the timing of the East Asian summer monsoon maximum during the Holocene—Does the speleothem oxygen isotope record reflect monsoon rainfall variability?. <i>Science China Earth Sciences</i> , 2016, 59, 2328-2338.	5.2	76
67	A 1000-year chironomid-based salinity reconstruction from varved sediments of Sugan Lake, Qaidam Basin, arid Northwest China, and its palaeoclimatic significance. <i>Science Bulletin</i> , 2009, 54, 3749-3759.	1.7	74
68	Pollen-inferred vegetation and environmental changes since 16.7 ka BP at Balikun Lake, Xinjiang. <i>Science Bulletin</i> , 2010, 55, 2449-2457.	1.7	74
69	Humid medieval warm period recorded by magnetic characteristics of sediments from Gonghai Lake, Shanxi, North China. <i>Science Bulletin</i> , 2011, 56, 2464-2474.	1.7	73
70	High-resolution summer precipitation variations in the western Chinese Loess Plateau during the last glacial. <i>Scientific Reports</i> , 2013, 3, 2785.	3.3	73
71	Grain size distribution of pedogenic magnetic particles in Chinese loess/paleosols. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	72
72	Asymmetric variability between maximum and minimum temperatures in Northeastern Tibetan Plateau: Evidence from tree rings. <i>Science in China Series D: Earth Sciences</i> , 2008, 51, 41-55.	0.9	72

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73	Moisture variability across China and Mongolia: 1951–2005. <i>Climate Dynamics</i> , 2009, 32, 1173-1186.	3.8	71
74	Late Holocene Vegetation and Climate Oscillations in the Qaidam Basin of the Northeastern Tibetan Plateau. <i>Quaternary Research</i> , 2010, 73, 59-69.	1.7	71
75	A 16-ka lake-level record inferred from macrofossils in a sediment core from Genggahai Lake, northeastern Qinghai–Tibetan Plateau (China). <i>Journal of Paleolimnology</i> , 2013, 49, 575-590.	1.6	70
76	A climatological northern boundary index for the East Asian summer monsoon and its interannual variability. <i>Science China Earth Sciences</i> , 2018, 61, 13-22.	5.2	70
77	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.	3.5	70
78	Spatial drought reconstructions for central High Asia based on tree rings. <i>Climate Dynamics</i> , 2010, 35, 941-951.	3.8	68
79	Holocene millennial-scale climate variations documented by multiple lake-level proxies in sediment cores from Hurleg Lake, Northwest China. <i>Journal of Paleolimnology</i> , 2010, 44, 995-1008.	1.6	68
80	An 850-year tree-ring-based reconstruction of drought history in the western Qilian Mountains of northwestern China. <i>International Journal of Climatology</i> , 2015, 35, 3308-3319.	3.5	68
81	Vegetation succession and East Asian Summer Monsoon Changes since the last deglaciation inferred from high-resolution pollen record in Gonghai Lake, Shanxi Province, China. <i>Holocene</i> , 2017, 27, 835-846.	1.7	67
82	New insights on Chinese cave $\delta^{18}O$ records and their paleoclimatic significance. <i>Earth-Science Reviews</i> , 2020, 207, 103216.	9.1	67
83	Palaeovegetational and palaeoenvironmental changes since the last deglacial in Gonghe Basin, northeast Tibetan Plateau. <i>Journal of Chinese Geography</i> , 2013, 23, 136-146.	3.9	66
84	Lipid distributions in loess-paleosol sequences from northwest China. <i>Organic Geochemistry</i> , 2003, 34, 1071-1079.	1.8	65
85	Annual precipitation reconstruction since AD 775 based on tree rings from the Qilian Mountains, northwestern China. <i>International Journal of Climatology</i> , 2011, 31, 371-381.	3.5	65
86	Tetraether biomarker records from a loess-paleosol sequence in the western Chinese Loess Plateau. <i>Frontiers in Microbiology</i> , 2013, 4, 199.	3.5	65
87	Asynchronous evolution of the isotopic composition and amount of precipitation in north China during the Holocene revealed by a record of compound-specific carbon and hydrogen isotopes of long-chain n-alkanes from an alpine lake. <i>Earth and Planetary Science Letters</i> , 2016, 446, 68-76.	4.4	65
88	Seasonal variability of modern dust over the Loess Plateau of China. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	64
89	Preliminary research on Megalake Jilantai-Hetao in the arid areas of China during the Late Quaternary. <i>Science Bulletin</i> , 2008, 53, 1725-1739.	9.0	62
90	Chronology and subsistence strategy of Nuomuhong Culture in the Tibetan Plateau. <i>Quaternary International</i> , 2016, 426, 42-49.	1.5	61

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91	Grain size in sediments from Lake Suga: a possible linkage to dust storm events at the northern margin of the Qinghai-Tibetan Plateau. <i>Environmental Geology</i> , 2007, 51, 1229-1238.	1.2	60
92	Common tree growth anomalies over the northeastern Tibetan Plateau during the last six centuries: implications for regional moisture change. <i>Global Change Biology</i> , 2008, 14, 2096-2107.	9.5	60
93	Impacts of the spatial extent of pollen-climate calibration-set on the absolute values, range and trends of reconstructed Holocene precipitation. <i>Quaternary Science Reviews</i> , 2017, 178, 37-53.	3.0	60
94	Prehistoric trans-continental cultural exchange in the Hexi Corridor, northwest China. <i>Holocene</i> , 2018, 28, 621-628.	1.7	60
95	Long-term summer warming trend during the Holocene in central Asia indicated by alpine peat $\delta^{13}C$ -cellulose $\delta^{13}C$ record. <i>Quaternary Science Reviews</i> , 2019, 203, 56-67.	3.0	60
96	The spatiotemporal pattern of the Majiayao cultural evolution and its relation to climate change and variety of subsistence strategy during late Neolithic period in Gansu and Qinghai Provinces, northwest China. <i>Quaternary International</i> , 2013, 316, 155-161.	1.5	59
97	Vegetation and climate history in arid western China during MIS2: New insights from pollen and grain-size data of the Balikun Lake, eastern Tien Shan. <i>Quaternary Science Reviews</i> , 2015, 126, 112-125.	3.0	59
98	History and possible mechanisms of prehistoric human migration to the Tibetan Plateau. <i>Science China Earth Sciences</i> , 2016, 59, 1765-1778.	5.2	59
99	Major advances in studies of the physical geography and living environment of China during the past 70 years and future prospects. <i>Science China Earth Sciences</i> , 2019, 62, 1665-1701.	5.2	58
100	Reconciling the "westerlies" and "monsoon" models: A new hypothesis for the Holocene moisture evolution of the Xinjiang region, NW China. <i>Earth-Science Reviews</i> , 2019, 191, 263-272.	9.1	58
101	Paleoenvironmental changes recorded in a luminescence dated loess/paleosol sequence from the Tianshan Mountains, arid central Asia, since the Penultimate Glaciation. <i>Earth and Planetary Science Letters</i> , 2016, 448, 1-12.	4.4	57
102	Quartz OSL and K-feldspar pIRIR dating of a loess/paleosol sequence from arid central Asia, Tianshan Mountains, NW China. <i>Quaternary Geochronology</i> , 2015, 28, 40-53.	1.4	56
103	Paleomagnetic chronology and paleoenvironmental records from drill cores from the Hetao Basin and their implications for the formation of the Hobq Desert and the Yellow River. <i>Quaternary Science Reviews</i> , 2017, 156, 69-89.	3.0	55
104	Aeolian deposits at the southeastern margin of the Tengger Desert (China): Implications for surface wind strength in the Asian dust source area over the past 20,000 years. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 286, 66-80.	2.3	54
105	Vegetation history, climatic changes and Indian summer monsoon evolution during the Last Glaciation (36,400-13,400 cal yr BP) documented by sediments from Xingyun Lake, Yunnan, China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 410, 179-189.	2.3	54
106	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.	3.0	54
107	Environmental and technological effects on ancient social evolution at different spatial scales. <i>Science China Earth Sciences</i> , 2017, 60, 2067-2077.	5.2	54
108	Paleoclimatic implications of an 850-year oxygen isotope record from the northern Tibetan Plateau. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	53

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109	The Transition to Agriculture at Dadiwan, People's Republic of China. <i>Current Anthropology</i> , 2010, 51, 703-714.	1.6	53
110	Environmental magnetic studies of sediment cores from Gonghai Lake: implications for monsoon evolution in North China during the late glacial and Holocene. <i>Journal of Paleolimnology</i> , 2013, 49, 447-464.	1.6	53
111	Landscape evolution of the Ulan Buh Desert in northern China during the late Quaternary. <i>Quaternary Research</i> , 2014, 81, 476-487.	1.7	53
112	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.	3.9	53
113	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.	4.4	53
114	Holocene stalagmite $\delta^{18}O$ records in the East Asian monsoon region and their correlation with those in the Indian monsoon region. <i>Holocene</i> , 2014, 24, 1657-1664.	1.7	52
115	Megadrought and cultural exchange along the proto-silk road. <i>Science Bulletin</i> , 2021, 66, 603-611.	9.0	52
116	Early-middle Holocene lake-desert evolution in northern Ulan Buh Desert, China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 331-332, 31-38.	2.3	51
117	A 16-ka oxygen-isotope record from Genggahai Lake on the northeastern Qinghai-Tibetan Plateau: Hydroclimatic evolution and changes in atmospheric circulation. <i>Quaternary Science Reviews</i> , 2017, 162, 72-87.	3.0	51
118	Vegetation dynamics and their effects on surface water-energy balance over the Three-North Region of China. <i>Agricultural and Forest Meteorology</i> , 2019, 275, 79-90.	4.8	51
119	The Tibetan Plateau as the engine for Asian environmental change: the Tibetan Plateau Earth system research into a new era. <i>Science Bulletin</i> , 2021, 66, 1263-1266.	9.0	51
120	Changing intensity of human activity over the last 2,000 years recorded by the magnetic characteristics of sediments from Xingyun Lake, Yunnan, China. <i>Journal of Paleolimnology</i> , 2015, 53, 47-60.	1.6	50
121	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.	2.3	50
122	Determining the climatic boundary between the Chinese loess and palaeosol: evidence from aeolian coarse-grained magnetite. <i>Geophysical Journal International</i> , 2004, 156, 267-274.	2.4	49
123	Chinese cave $\delta^{18}O$ records do not represent northern East Asian summer monsoon rainfall. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2987-E2988.	7.1	49
124	Holocene dust storm variations over northern China: transition from a natural forcing to an anthropogenic forcing. <i>Science Bulletin</i> , 2021, 66, 2516-2527.	9.0	49
125	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.	4.4	48
126	The role of the westerlies and orography in Asian hydroclimate since the late Oligocene. <i>Geology</i> , 2020, 48, 728-732.	4.4	48

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127	Agricultural intensification and its impact on environment during Neolithic Age in northern China. Chinese Science Bulletin, 2016, 61, 2913-2925.	0.7	48
128	Grain sizes of susceptibility and anhysteretic remanent magnetization carriers in Chinese loess/paleosol sequences. Journal of Geophysical Research, 2004, 109, .	3.3	47
129	Evolution of prehistoric agriculture in central Gansu Province, China: A case study in Qin'an and Li County. Science Bulletin, 2010, 55, 1925-1930.	1.7	47
130	Precipitation variability during the past 400 years in the Xiaolong Mountain (central China) inferred from tree rings. Climate Dynamics, 2012, 39, 1697-1707.	3.8	47
131	Seasonal imprint of Holocene temperature reconstruction on the Tibetan Plateau. Earth-Science Reviews, 2022, 226, 103927.	9.1	47
132	Impacts of wind velocity on sand and dust deposition during dust storm as inferred from a series of observations in the northeastern Qinghai-Tibetan Plateau, China. Powder Technology, 2007, 175, 82-89.	4.2	46
133	Summer monsoon moisture variability over China and Mongolia during the past four centuries. Geophysical Research Letters, 2009, 36, .	4.0	46
134	Spatial and temporal variations of C3/C4 relative abundance in global terrestrial ecosystem since the Last Glacial and its possible driving mechanisms. Science Bulletin, 2012, 57, 4024-4035.	1.7	46
135	Cenozoic paleo-environmental evolution of the Pamir-Tien Shan convergence zone. Journal of Asian Earth Sciences, 2014, 80, 84-100.	2.3	46
136	The occurrence of a grassy vegetation over the Chinese Loess Plateau since the last interglacier: the molecular fossil record. Science in China Series D: Earth Sciences, 2002, 45, 53-62.	0.9	45
137	Early Pleistocene climate in western arid central Asia inferred from loess-paleosol sequences. Scientific Reports, 2016, 6, 20560.	3.3	45
138	High-resolution climate change in mid-late Holocene on Tianchi Lake, Liupan Mountain in the Loess Plateau in central China and its significance. Science Bulletin, 2010, 55, 2118-2121.	1.7	44
139	Temperature-induced dry climate in basins in the northeastern Tibetan Plateau during the early to middle Holocene. Quaternary Science Reviews, 2020, 237, 106311.	3.0	44
140	A Comparative Study of ¹⁴ C Dating on Charcoal and Charred Seeds from Late Neolithic and Bronze Age Sites in Gansu and Qinghai Provinces, NW China. Radiocarbon, 2014, 56, 157-163.	1.8	43
141	Altitudinal variability of climate-tree growth relationships along a consistent slope of Anyemaqen Mountains, northeastern Tibetan Plateau. Dendrochronologia, 2008, 26, 87-96.	2.2	42
142	Loess particle size data indicative of stable winter monsoons during the last interglacial in the western part of the Chinese Loess Plateau. Catena, 2000, 39, 233-244.	5.0	41
143	Climate, Desertification, and the Rise and Collapse of China's Historical Dynasties. Human Ecology, 2010, 38, 157-172.	1.4	41
144	Onset of frequent dust storms in northern China at ~AD 1100. Scientific Reports, 2015, 5, 17111.	3.3	41

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