An Zhisheng

List of Publications by Year
in descending order

393 papers	51,357 citations	2675 95 h-index	1634 215 g-index
400 all docs	400 docs citations	400 times ranked	24951 citing authors

#	Article	IF	Citations
1	High secondary aerosol contribution to particulate pollution during haze events in China. Nature, 2014, 514, 218-222.	27.8	3,582
2	A High-Resolution Absolute-Dated Late Pleistocene Monsoon Record from Hulu Cave, China. Science, 2001, 294, 2345-2348.	12.6	2,594
3	Global Iron Connections Between Desert Dust, Ocean Biogeochemistry, and Climate. Science, 2005, 308, 67-71.	12.6	2,365
4	Evolution of Asian monsoons and phased uplift of the Himalayaâ€"Tibetan plateau since Late Miocene times. Nature, 2001, 411, 62-66.	27.8	2,269
5	The Holocene Asian Monsoon: Links to Solar Changes and North Atlantic Climate. Science, 2005, 308, 854-857.	12.6	2,115
6	Millennial- and orbital-scale changes in the East Asian monsoon over the past 224,000â€‰years. Nature, 2008, 451, 1090-1093.	27.8	1,567
7	The Anthropocene is functionally and stratigraphically distinct from the Holocene. Science, 2016, 351, aad2622.	12.6	1,543
8	A high-resolution, absolute-dated Holocene and deglacial Asian monsoon record from Dongge Cave, China. Earth and Planetary Science Letters, 2005, 233, 71-86.	4.4	1,510
9	Correlation between climate events in the North Atlantic and China during the last glaciation. Nature, 1995, 375, 305-308.	27.8	1,154
10	Persistent sulfate formation from London Fog to Chinese haze. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13630-13635.	7.1	1,044
11	Timing, Duration, and Transitions of the Last Interglacial Asian Monsoon. Science, 2004, 304, 575-578.	12.6	1,013
12	The history and variability of the East Asian paleomonsoon climate. Quaternary Science Reviews, 2000, 19, 171-187.	3.0	914
13	Asynchronous Holocene optimum of the East Asian monsoon. Quaternary Science Reviews, 2000, 19, 743-762.	3.0	839
14	Magnetic susceptibility evidence of monsoon variation on the Loess Plateau of central China during the last 130,000 years. Quaternary Research, 1991, 36, 29-36.	1.7	793
15	Chemical Characteristics of PM2.5and PM10in Hazeâˆ'Fog Episodes in Beijing. Environmental Science & Technology, 2006, 40, 3148-3155.	10.0	727
16	Loess stratigraphy in Central China. Palaeogeography, Palaeoclimatology, Palaeoecology, 1989, 72, 203-225.	2.3	666
17	Interplay between the Westerlies and Asian monsoon recorded in Lake Qinghai sediments since 32 ka. Scientific Reports, 2012, 2, 619.	3.3	629
18	Severe haze in northern China: A synergy of anthropogenic emissions and atmospheric processes. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8657-8666.	7.1	609

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19	When did the Anthropocene begin? A mid-twentieth century boundary level is stratigraphically optimal. Quaternary International, 2015, 383, 196-203.	1.5	546
20	Grain-size distribution function of polymodal sediments in hydraulic and aeolian environments, and numerical partitioning of the sedimentary components. Sedimentary Geology, 2002, 152, 263-277.	2.1	500
21	Characterization and source apportionment of atmospheric organic and elemental carbon during fall and winter of 2003 in Xi'an, China. Atmospheric Chemistry and Physics, 2005, 5, 3127-3137.	4.9	497
22	The ion chemistry, seasonal cycle, and sources of PM2.5 and TSP aerosol in Shanghai. Atmospheric Environment, 2006, 40, 2935-2952.	4.1	463
23	Grain Size of Quartz as an Indicator of Winter Monsoon Strength on the Loess Plateau of Central China during the Last 130,000 Yr. Quaternary Research, 1995, 43, 22-29.	1.7	460
24	Astronomical timescale and palaeoclimatic implication of stacked 3.6-Myr monsoon records from the Chinese Loess Plateau. Quaternary Science Reviews, 2006, 25, 33-48.	3.0	437
25	Influence of Atlantic meridional overturning circulation on the East Asian winter monsoon. Nature Geoscience, 2012, 5, 46-49.	12.9	417
26	Glacial-Interglacial Indian Summer Monsoon Dynamics. Science, 2011, 333, 719-723.	12.6	385
27	The variation of summer monsoon precipitation in central China since the last deglaciation. Earth and Planetary Science Letters, 2010, 291, 21-31.	4.4	355
28	Pliocene uplift of the northern Tibetan Plateau. Geology, 2000, 28, 715.	4.4	344
29	Global Monsoon Dynamics and Climate Change. Annual Review of Earth and Planetary Sciences, 2015, 43, 29-77.	11.0	331
30	Late quaternary dust flow on the chinese Loess Plateau. Catena, 1991, 18, 125-132.	5.0	327
31	The variation of characteristics and formation mechanisms of aerosols in dust, haze, and clear days in Beijing. Atmospheric Environment, 2006, 40, 6579-6591.	4.1	309
32	Variation of Rb/Sr Ratios in the Loess-Paleosol Sequences of Central China during the Last 130,000 Years and Their Implications for Monsoon Paleoclimatology. Quaternary Research, 1999, 51, 215-219.	1.7	296
33	New eolian red clay sequence on the western Chinese Loess Plateau linked to onset of Asian desertification about 25 Ma ago. Science China Earth Sciences, 2011, 54, 136-144.	5.2	267
34	The air pollution caused by the burning of fireworks during the lantern festival in Beijing. Atmospheric Environment, 2007, 41, 417-431.	4.1	266
35	Bimodal grain-size distribution of Chinese loess, and its palaeoclimatic implications. Catena, 2004, 55, 325-340.	5.0	249
36	Evaluation of the thermal/optical reflectance method for discrimination between char- and soot-EC. Chemosphere, 2007, 69, 569-574.	8.2	249

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37	Magnetostratigraphy and paleoclimatic interpretation of a continuous 7.2 Ma Late Cenozoic Eolian sediments from the Chinese Loess Plateau. Geophysical Research Letters, 1998, 25, 85-88.	4.0	241
38	Seven million years of wind and precipitation variability on the Chinese Loess Plateau. Earth and Planetary Science Letters, 2010, 297, 525-535.	4.4	233
39	Variability of stalagmite-inferred Indian monsoon precipitation over the past 252,000 y. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2954-2959.	7.1	233
40	Annual temperatures during the last 2485 years in the mid-eastern Tibetan Plateau inferred from tree rings. Science in China Series D: Earth Sciences, 2009, 52, 348-359.	0.9	227
41	Human remains from Zhirendong, South China, and modern human emergence in East Asia. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19201-19206.	7.1	223
42	New absolute time scale for the Quaternary climate in the Chinese Loess region by grain-size analysis. Geology, 1997, 25, 35.	4.4	222
43	Climate extremes in Loess of China coupled with the strength of deep-water formation in the North Atlantic. Global and Planetary Change, 1998, 18, 113-128.	3.5	220
44	The long-term paleomonsoon variation recorded by the loess-paleosol sequence in Central China. Quaternary International, 1990, 7-8, 91-95.	1.5	207
45	Particle Size Distribution and Polycyclic Aromatic Hydrocarbons Emissions from Agricultural Crop Residue Burning. Environmental Science & Technology, 2011, 45, 5477-5482.	10.0	202
46	Northward extent of East Asian monsoon covaries with intensity on orbital and millennial timescales. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1817-1821.	7.1	192
47	Millennial-scale climatic oscillations during the last interglaciation in central China. Geology, 1997, 25, 603.	4.4	189
48	Multiple expansions of C4 plant biomass in East Asia since 7 Ma coupled with strengthened monsoon circulation. Geology, 2005, 33, 705.	4.4	186
49	A 550,000-year record of East Asian monsoon rainfall from ¹⁰ Be in loess. Science, 2018, 360, 877-881.	12.6	183
50	Tectonic uplift in the northern Tibetan Plateau since 13.7 Ma ago inferred from molasse deposits along the Altyn Tagh Fault. Earth and Planetary Science Letters, 2005, 235, 641-653.	4.4	175
51	Late Miocene?Pliocene development of Asian aridification as recorded in the Red-Earth Formation in northern China. Global and Planetary Change, 2004, 41, 135-145.	3.5	172
52	Black carbon relationships with emissions and meteorology in Xi'an, China. Atmospheric Research, 2009, 94, 194-202.	4.1	172
53	The Holocene Indian monsoon variability over the southern Tibetan Plateau and its teleconnections. Earth and Planetary Science Letters, 2012, 335-336, 135-144.	4.4	171
54	Episode of Strengthened Summer Monsoon Climate of Younger Dryas Age on the Loess Plateau of Central China. Quaternary Research, 1993, 39, 45-54.	1.7	155

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55	Magnetostratigraphy and palaeoclimatic significance of Late Tertiary aeolian sequences in the Chinese Loess Plateau. Geophysical Journal International, 1998, 134, 207-212.	2.4	153
56	Stable isotopes in bulk carbonates and organic matter in recent sediments of Lake Qinghai and their climatic implications. Chemical Geology, 2006, 235, 262-275.	3.3	153
57	Late Cenozoic climate changes in China's western interior: a review of research on Lake Qinghai and comparison with other records. Quaternary Science Reviews, 2007, 26, 2281-2300.	3.0	153
58	Global Boundary Stratotype Section and Point (GSSP) for the Anthropocene Series: Where and how to look for potential candidates. Earth-Science Reviews, 2018, 178, 379-429.	9.1	153
59	Astronomical calibration of loessâ€"paleosol deposits at Luochuan, central Chinese Loess Plateau. Palaeogeography, Palaeoclimatology, Palaeoecology, 1999, 154, 237-246.	2.3	151
60	Late Pliocene-Pleistocene changes in mass accumulation rates of eolian deposits on the central Chinese Loess Plateau. Journal of Geophysical Research, 2005, 110, .	3.3	151
61	Large Holocene summer temperature oscillations and impact on the peopling of the northeastern Tibetan Plateau. Geophysical Research Letters, 2016, 43, 1323-1330.	4.0	150
62	Variability of Monsoon Climate in East Asia at the End of the Last Glaciation. Quaternary Research, 1996, 46, 219-229.	1.7	146
63	Summer monsoon intensity controls C4/C3 plant abundance during the last 35 ka in the Chinese Loess Plateau: Carbon isotope evidence from bulk organic matter and individual leaf waxes. Palaeogeography, Palaeoclimatology, Palaeoecology, 2005, 220, 243-254.	2.3	146
64	High resolution characterization of the Asian Monsoon between 146,000 and 99,000Âyears B.P. from Dongge Cave, China and global correlation of events surrounding Termination II. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 236, 20-38.	2.3	146
65	Plioâ€"Quaternary stepwise drying of Asia: Evidence from a 3-Ma pollen record from the Chinese Loess Plateau. Earth and Planetary Science Letters, 2007, 257, 160-169.	4.4	146
66	Astronomical and glacial forcing of East Asian summer monsoon variability. Quaternary Science Reviews, 2015, 115, 132-142.	3.0	141
67	Atmospheric trace elements over source regions for Chinese dust: concentrations, sources and atmospheric deposition on the Loess plateau. Atmospheric Environment Part A General Topics, 1993, 27, 2051-2067.	1.3	139
68	Dynamics of the intertropical convergence zone over the western Pacific during the Little Ice Age. Nature Geoscience, 2015, 8, 315-320.	12.9	137
69	Chemical composition of dust storms in Beijing and implications for the mixing of mineral aerosol with pollution aerosol on the pathway. Journal of Geophysical Research, 2005, 110, .	3.3	135
70	Magnetostratigraphic dating of early humans in China. Earth-Science Reviews, 2003, 61, 341-359.	9.1	133
71	Precipitation variation in the northeastern Tibetan Plateau recorded by the tree rings since 850 AD and its relevance to the Northern Hemisphere temperature. Science in China Series D: Earth Sciences, 2006, 49, 408-420.	0.9	132
72	Heterogeneous Reactions of Sulfur Dioxide on Typical Mineral Particles. Journal of Physical Chemistry B, 2006, 110, 12588-12596.	2.6	129

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73	Grain size of loess, palaeosol and Red Clay deposits on the Chinese Loess Plateau: Significance for understanding pedogenic alteration and palaeomonsoon evolution. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 241, 129-138.	2.3	129
74	Magnetostratigraphy of Cenozoic deposits in the western Qaidam Basin and its implication for the surface uplift of the northeastern margin of the Tibetan Plateau. Earth and Planetary Science Letters, 2015, 430, 271-283.	4.4	128
75	Dependence of Near-Surface Magnetic Susceptibility on Dust Accumulation Rate and Precipitation on the Chinese Loess Plateau. Quaternary Research, 2001, 55, 271-283.	1.7	127
76	Recent enhancement of central Pacific El NiÃ±o variability relative to last eight centuries. Nature Communications, 2017, 8, 15386.	12.8	126
77	High-resolution absolute-dated Indian Monsoon record between 53 and 36 ka from Xiaobailong Cave, southwestern China. Geology, 2006, 34, 621.	4.4	125
78	Holocene moisture changes in western China, Central Asia, inferred from stalagmites. Quaternary Science Reviews, 2017, 158, 15-28.	3.0	124
79	The Loess-Paleosol Sequence in China and Climatic History. Episodes, 1985, 8, 21-28.	1.2	124
80	Water-soluble part of the aerosol in the dust storm seasonâ€"evidence of the mixing between mineral and pollution aerosols. Atmospheric Environment, 2005, 39, 7020-7029.	4.1	123
81	Loess in Kunlun Mountains and its implications on desert development and Tibetan Plateau uplift in west China. Science in China Series D: Earth Sciences, 2002, 45, 289-299.	0.9	122
82	Timing and structure of the Younger Dryas event and its underlying climate dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23408-23417.	7.1	119
83	Diverse manifestations of the mid-Pleistocene climate transition. Nature Communications, 2019, 10, 352.	12.8	118
84	Paleoclimatic significance of grain size of loess-palaeosol deposit in Chinese Loess Plateau. Science in China Series D: Earth Sciences, 1998, 41, 626-631.	0.9	115
85	New Magnetostratigraphic Dates of LantianHomo erectus. Quaternary Research, 1989, 32, 213-221.	1.7	114
86	Total organic carbon isotopes: A novel proxy of lake level from Lake Qinghai in the Qinghaiâ€"Tibet Plateau, China. Chemical Geology, 2013, 347, 153-160.	3.3	114
87	Variations in chemical compositions of the eolian dust in Chinese Loess Plateau over the past 2.5 Ma and chemical weathering in the Asian inland. Science in China Series D: Earth Sciences, 2001, 44, 403-413.	0.9	111
88	Summer monsoon precipitation variations in central China over the past 750years derived from a high-resolution absolute-dated stalagmite. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 280, 432-439.	2.3	106
89	Glacial and interglacial patterns for Asian dust transport. Quaternary Science Reviews, 1999, 18, 811-819.	3.0	105
90	Grain size of Lake Qinghai sediments: Implications for riverine input and Holocene monsoon variability. Palaeogeography, Palaeoclimatology, Palaeoecology, 2016, 449, 41-51.	2.3	104

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91	Aeolian origin and palaeoclimatic implications of the ?red clay? (north China) as evidenced by grain-size distribution. Journal of Quaternary Science, 2001, 16, 89-97.	2.1	103
92	Temperature variations recorded in Pinus tabulaeformis tree rings from the southern and northern slopes of the central Qinling Mountains, central China. Boreas, 2009, 38, 285-291.	2.4	103
93	The magnetic properties of particle-sized samples from the Luo Chuan loess section: evidence for pedogenesis. Physics of the Earth and Planetary Interiors, 1991, 68, 250-258.	1.9	101
94	The evolution of chemical components of aerosols at five monitoring sites of China during dust storms. Atmospheric Environment, 2007, 41, 1091-1106.	4.1	100
95	Particulate-associated potentially harmful elements in urban road dusts in Xiâ€™an, China. Applied Geochemistry, 2008, 23, 835-845.	3.0	97
96	800-kyr land temperature variations modulated by vegetation changes on Chinese Loess Plateau. Nature Communications, 2019, 10, 1958.	12.8	97
97	Cyclic Quaternary alluviation and terracing in a nonglaciated drainage basin on the north flank of the Qinling Shan, central China. Quaternary Research, 1992, 38, 157-169.	1.7	95
98	Magnetostratigraphy and palaeoclimate of Red Clay sequences from Chinese Loess Plateau. Science in China Series D: Earth Sciences, 1997, 40, 337-343.	0.9	95
99	Carbon isotope composition of long chain leaf wax n -alkanes in lake sediments: A dual indicator of paleoenvironment in the Qinghai-Tibet Plateau. Organic Geochemistry, 2015, 83-84, 190-201.	1.8	94
100	Evaluation of the thermal/optical reflectance method for quantification of elemental carbon in sediments. Chemosphere, 2007, 69, 526-533.	8.2	93
101	Centennial- to decadal-scale monsoon precipitation variations in the upper Hanjiang River region, China over the past 6650 years. Earth and Planetary Science Letters, 2018, 482, 580-590.	4.4	93
102	The Late Cenozoic uplift of the Liupan Shan, China. Science in China Series D: Earth Sciences, 2001, 44, 176-184.	0.9	92
103	Elemental Carbon and Polycyclic Aromatic Compounds in a 150-Year Sediment Core from Lake Qinghai, Tibetan Plateau, China: Influence of Regional and Local Sources and Transport Pathways. Environmental Science & Technology, 2015, 49, 4176-4183.	10.0	92
104	Late Miocene episodic lakes in the arid Tarim Basin, western China. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16292-16296.	7.1	91
105	Organic Molecular Compositions and Size Distributions of Chinese Summer and Autumn Aerosols from Nanjing: Characteristic Haze Event Caused by Wheat Straw Burning. Environmental Science & Technology, 2009, 43, 6493-6499.	10.0	90
106	Major ion chemistry of waters in Lake Qinghai catchments, NE Qinghai-Tibet plateau, China. Quaternary International, 2010, 212, 35-43.	1.5	88
107	Late Mioceneâ€“Pliocene Asian monsoon intensification linked to Antarctic ice-sheet growth. Earth and Planetary Science Letters, 2016, 444, 75-87.	4.4	86
108	Characteristics and sources of formic, acetic and oxalic acids in PM2.5 and PM10 aerosols in Beijing, China. Atmospheric Research, 2007, 84, 169-181.	4.1	85

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109	Distribution and composition of loess sediments in the Ili Basin, Central Asia. Quaternary International, 2014, 334-335, 61-73.	1.5	84
110	Lake Qinghai sediment geochemistry linked to hydroclimate variability since the last glacial. Quaternary Science Reviews, 2015, 122, 63-73.	3.0	84
111	Paleoclimatic significance of magnetic properties on the Red Clay underlying the loess and paleosols in China. Palaeogeography, Palaeoclimatology, Palaeoecology, 2003, 199, 153-166.	2.3	82
112	Seasonal precipitation in the south-central Helan Mountain region, China, reconstructed from tree-ring width for the past 224 years. Canadian Journal of Forest Research, 2005, 35, 2403-2412.	1.7	82
113	East Asian monsoon variation during the last 130,000 Years: evidence from the Loess Plateau of central China and Lake Biwa of Japan. Quaternary Science Reviews, 1999, 18, 147-157.	3.0	81
114	Evaluation of oxygen isotopes in carbonate as an indicator of lake evolution in arid areas: The modern Qinghai Lake, Qinghaiâ€"Tibet Plateau. Chemical Geology, 2009, 268, 126-136.	3.3	80
115	Eolian Quartz Flux to Lake Biwa, Central Japan, over the Past 145,000 Years. Quaternary Research, 1997, 48, 48-57.	1.7	78
116	The vegetation and monsoon variations at the desert-boess transition belt at Midiwan in northern China for the last 13 ka. Holocene, 2003, 13, 779-784.	1.7	77
117	The Plateau Monsoon variation during the past 130 kyr revealed by loess deposit at northeast Qinghai?Tibet (China). Global and Planetary Change, 2004, 41, 207-214.	3.5	77
118	Recent anthropogenic curtailing of Yellow River runoff and sediment load is unprecedented over the past 500 y. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18251-18257.	7.1	77
119	Pretreated methods on loess-palaeosol samples granulometry. Science Bulletin, 1998, 43, 237-240.	1.7	76
120	Variations in 87Sr/86Sr ratios of calcites in Chinese loess: a proxy for chemical weathering associated with the East Asian summer monsoon. Palaeogeography, Palaeoclimatology, Palaeoecology, 2000, 157, 151-159.	2.3	75
121	Distribution of the C37 tetra-unsaturated alkenone in Lake Qinghai, China: A potential lake salinity indicator. Geochimica Et Cosmochimica Acta, 2008, 72, 988-997.	3.9	75
122	Climate patterns in north central China during the last 1800 yr and their possible driving force. Climate of the Past, 2011, 7, 685-692.	3.4	75
123	Characteristics and sources of polycyclic aromatic hydrocarbons and fatty acids in PM2.5 aerosols in dust season in China. Atmospheric Environment, 2006, 40, 3251-3262.	4.1	74
124	Comparison of Elemental Carbon in Lake Sediments Measured by Three Different Methods and 150-Year Pollution History in Eastern China. Environmental Science & Technology, 2011, 45, 5287-5293.	10.0	74
125	Changing color of Chinese loess: Geochemical constraint and paleoclimatic significance. Journal of Asian Earth Sciences, 2011, 40, 1131-1138.	2.3	74
126	Large variations of oxygen isotopes in precipitation over south-central Tibet during Marine Isotope Stage 5. Geology, 2010, 38, 243-246.	4.4	73

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127	Eolian evidence from the Chinese Loess Plateau: the onset of the Late Cenozoic Great Glaciation in the Northern Hemisphere and Qinghai-Xizang Plateau uplift forcing. Science in China Series D: Earth Sciences, 1999, 42, 258-271.	0.9	72
128	Three large shifts in East Asian monsoon circulation indicated by loessâ€"paleosol sequences in China and late Cenozoic deposits in Japan. Palaeogeography, Palaeoclimatology, Palaeoecology, 1999, 154, 179-189.	2.3	72
129	Decreasing monsoon precipitation in southwest China during the last 240Âyears associated with the warming of tropical ocean. Climate Dynamics, 2017, 48, 1769-1778.	3.8	72
130	A data-model comparison pinpoints Holocene spatiotemporal pattern of East Asian summer monsoon. Quaternary Science Reviews, 2021, 261, 106911.	3.0	72
131	Teleconnection of climatic events between East Asia and polar, high latitude areas during the last deglaciation. Palaeogeography, Palaeoclimatology, Palaeoecology, 1999, 152, 163-172.	2.3	71
132	Possible obliquity-forced warmth in southern Asia during the last glacial stage. Science Bulletin, 2021, 66, 1136-1145.	9.0	71
133	Late Quaternary Records of the Atmospheric Input of Eolian Dust to the Center of the Chinese Loess Plateau. Quaternary Research, 1994, 41, 35-43.	1.7	70
134	Palaeomagnetic stratigraphy of Lake Bungunnia: Plio-pleistocene precursor of aridity in the murray basin, Southeastern Australia. Palaeogeography, Palaeoclimatology, Palaeoecology, 1986, 54, 219-239.	2.3	69
135	A Quaternary climate record based on grain size analysis from the Luochuan loess section on the Central Loess Plateau, China. Global and Planetary Change, 2004, 41, 167-183.	3.5	69
136	Late Neogene rock magnetic record of climatic variation from Chinese eolian sediments related to uplift of the Tibetan Plateau. Journal of Asian Earth Sciences, 2007, 30, 324-332.	2.3	67
137	A Rb/Sr record of the weathering response to environmental changes in westerly winds across the Tarim Basin in the late Miocene to the early Pleistocene. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 386, 364-373.	2.3	67
138	The Anthropocene: a conspicuous stratigraphical signal of anthropogenic changes in production and consumption across the biosphere. Earth's Future, 2016, 4, 34-53.	6.3	66
139	Variability of East Asian Winter Monsoon in Quaternary Climatic Extremes in North China. Quaternary Research, 2000, 54, 321-327.	1.7	65
140	Characterization of the Chinese loessâ€"paleosol stratigraphy by whiteness measurement. Palaeogeography, Palaeoclimatology, Palaeoecology, 2002, 183, 287-297.	2.3	65
141	The Tibetan Plateau as amplifier of orbital-scale variability of the East Asian monsoon. Geophysical Research Letters, 2003, 30, .	4.0	65
142	Transformation functions of soil color and climate. Science in China Series D: Earth Sciences, 2001, 44, 218-226.	0.9	64
143	Carbon isotopic composition of modern soil and paleosol as a response to vegetation change on the Chinese Loess Plateau. Science in China Series D: Earth Sciences, 2005, 48, 93-99.	0.9	64
144	East Asia winter monsoon variations on a millennial time-scale before the last glacial-interglacial cycle. Journal of Quaternary Science, 1999, 14, 101-110.	2.1	63

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145	Terrestrial evidence for a spatial structure of tropicalâ€"polar interconnections during the Younger Dryas episode. Earth and Planetary Science Letters, 2001, 191, 231-239.	4.4	62
146	Distinct impacts of the Mongolian and Tibetan Plateaus on the evolution of the East Asian monsoon. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4764-4782.	3.3	62
147	The 3.6-Ma aridity and westerlies history over midlatitude Asia linked with global climatic cooling. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24729-24734.	7.1	62
148	Distribution of Rb and Sr in the Luochuan loess- paleosol sequence of China during the last 800 ka. Science in China Series D: Earth Sciences, 1999, 42, 225-232.	0.9	61
149	Luminescence age and palaeoenvironmental implications of a late Pleistocene ground wedge on the Northeastern Tibetan Plateau. Permafrost and Periglacial Processes, 2001, 12, 203-210.	3.4	61
150	Source-to-sink fluctuations of Asian aeolian deposits since the late Oligocene. Earth-Science Reviews, 2020, 200, 102963.	9.1	61
151	Cyclic precipitation variation on the western Loess Plateau of China during the past four centuries. Scientific Reports, 2014, 4, 6381.	3.3	60
152	A 130-ka reconstruction of precipitation on the Chinese Loess Plateau from organic carbon isotopes. Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 270, 59-63.	2.3	58
153	Amplitudes, rates, periodicities and causes of temperature variations in the past 2485 years and future trends over the central-eastern Tibetan Plateau. Science Bulletin, 2011, 56, 2986.	1.7	58
154	Tree-Ring-Derived Precipitation Records from Inner Mongolia, China, Since A.D. 1627. Tree-Ring Research, 2007, 63, 3-14.	0.6	56
155	Tree-ring precipitation records from Baiyinaobao, Inner Mongolia since A.D. 1838. Science Bulletin, 2003, 48, 1140-1145.	1.7	54
156	Mass accumulation rate changes in Chinese loess during MIS 2, and asynchrony with records from Greenland ice cores and North Pacific Ocean sediments during the Last Glacial Maximum. Aeolian Research, 2015, 19, 251-258.	2.7	54
157	Magnetic parameter variations in the Chaona loess/paleosol sequences in the central Chinese Loess Plateau, and their significance for the middle Pleistocene climate transition. Quaternary Research, 2014, 81, 433-444.	1.7	53
158	Holocene wildfire history and human activity from high-resolution charcoal and elemental black carbon records in the Guanzhong Basin of the Loess Plateau, China. Quaternary Science Reviews, 2015, 109, 76-87.	3.0	53
159	Pedogenic response to millennial summer monsoon enhancements on the Tibetan Plateau. Quaternary International, 2003, 106-107, 79-88.	1.5	52
160	Pollen record from red clay sequence in the central Loess Plateau between 8.10 and 2.60 Ma. Science Bulletin, 2005, 50, 2234-2243.	1.7	52
161	¹⁴C Chronostratigraphy for Qinghai Lake in China. Radiocarbon, 2014, 56, 143-155.	1.8	52
162	Megadrought and cultural exchange along the proto-silk road. Science Bulletin, 2021, 66, 603-611.	9.0	52

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