Peng Cheng

List of Publications by Year
in descending order

57 papers	1,809 citations	361388 20 h-index	276858 41 g-index
57 all docs	57 docs citations	57 times ranked	1588 citing authors

#	Article	IF	Citations
1	Interplay between the Westerlies and Asian monsoon recorded in Lake Qinghai sediments since 32 ka. Scientific Reports, 2012, 2, 619.	3.3	629
2	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
3	High-resolution peat records for Holocene monsoon history in the eastern Tibetan Plateau. Science in China Series D: Earth Sciences, 2006, 49, 615-621.	0.9	66
4	Holocene variations in peatland methane cycling associated with the Asian summer monsoon system. Nature Communications, 2014, 5, 4631.	12.8	53
5	¹⁴C Chronostratigraphy for Qinghai Lake in China. Radiocarbon, 2014, 56, 143-155.	1.8	52
6	Time marker of 137Cs fallout maximum in lake sediments of Northwest China. Quaternary Science Reviews, 2020, 241, 106413.	3.0	47
7	Late Holocene Indian Summer Monsoon Variations Recorded at Lake Erhai, Southwestern China. Quaternary Research, 2015, 83, 307-314.	1.7	46
8	Geological record of meltwater events at Qinghai Lake, China from the past 40 ka. Quaternary Science Reviews, 2016, 149, 279-287.	3.0	41
9	Late Holocene hydroclimatic variation in central Asia and its response to mid-latitude Westerlies and solar irradiance. Quaternary Science Reviews, 2020, 238, 106330.	3.0	38
10	The 9.2Âka event in Asian summer monsoon area: the strongest millennial scale collapse of the monsoon during the Holocene. Climate Dynamics, 2018, 50, 2767-2782.	3.8	37
11	Hydroclimatic contrasts over Asian monsoon areas and linkages to tropical Pacific SSTs. Scientific Reports, 2016, 6, 33177.	3.3	35
12	Tracing fossil fuel CO2 using Î”14C in Xi'an City, China. Atmospheric Environment, 2014, 94, 538-545.	4.1	34
13	Is There a Time-Transgressive Holocene Optimum in the East Asian Monsoon Area?. Radiocarbon, 2007, 49, 865-875.	1.8	31
14	Observations of Atmospheric Î”¹⁴CO₂ at the Global and Regional Background Sites in China: Implication for Fossil Fuel CO₂ Inputs. Environmental Science & Technology, 2016, 50, 12122-12128.	10.0	31
15	Radiometric dating of late Quaternary loess in the northern piedmont of South Tianshan Mountains: Implications for reliable dating. Geological Journal, 2018, 53, 417-426.	1.3	29
16	Moisture variations in Lacustrineâ^'eolian sequence from the Hunshandake sandy land associated with the East Asian Summer Monsoon changes since the late Pleistocene. Quaternary Science Reviews, 2020, 233, 106210.	3.0	28
17	Late Holocene hydroclimatic variations and possible forcing mechanisms over the eastern Central Asia. Science China Earth Sciences, 2019, 62, 1288-1301.	5.2	26
18	A climate threshold at the eastern edge of the Tibetan plateau. Geophysical Research Letters, 2014, 41, 5598-5604.	4.0	24

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19	Spatial variation of soil properties and carbon under different land use types on the Chinese Loess Plateau. Science of the Total Environment, 2020, 703, 134946.	8.0	23
20	Fossil fuel CO2 traced by radiocarbon in fifteen Chinese cities. Science of the Total Environment, 2020, 729, 138639.	8.0	23
21	Atmospheric Fossil Fuel CO₂ Traced by Î”¹⁴C in Beijing and Xiamen, China: Temporal Variations, Inland/Coastal Differences and Influencing Factors. Environmental Science & Technology, 2016, 50, 5474-5480.	10.0	22
22	The impact of COVID-19 lockdown on atmospheric CO2 in Xi'an, China. Environmental Research, 2021, 197, 111208.	7.5	22
23	¹⁴C Dating of Soil Organic Carbon (SOC) in Loess-Paleosol Using Sequential Pyrolysis and Accelerator Mass Spectrometry (AMS). Radiocarbon, 2013, 55, 563-570.	1.8	21
24	A Caveat on Radiocarbon Dating of Organic-Poor Bulk Lacustrine Sediments in Arid China. Radiocarbon, 2014, 56, 127-141.	1.8	17
25	Lacustrine record from the eastern Tibetan Plateau associated with Asian summer monsoon changes over the past ~â€‰6Âka and its links with solar and ENSO activity. Climate Dynamics, 2020, 55, 1075-1086.	3.8	17
26	¹⁴C GEOCHRONOLOGY AND RADIOCARBON RESERVOIR EFFECT OF REVIEWED LAKES STUDY IN CHINA. Radiocarbon, 2022, 64, 833-844.	1.8	17
27	The deficiency of organic matter 14C dating in Chinese Loess-paleosol sample. Quaternary Geochronology, 2020, 56, 101051.	1.4	16
28	A multiple-proxy stalagmite record reveals historical deforestation in central Shandong, northern China. Science China Earth Sciences, 2020, 63, 1622-1632.	5.2	15
29	14C-AMS measurements in modern tree rings to trace local fossil fuel-derived CO2 in the greater Xi'an area, China. Science of the Total Environment, 2020, 715, 136669.	8.0	15
30	Stable carbon isotopic characteristics of fossil fuels in China. Science of the Total Environment, 2022, 805, 150240.	8.0	14
31	Emission characteristics of atmospheric carbon dioxide in Xi'an, China based on the measurements of CO2 concentration, â–³14C and Î´13C. Science of the Total Environment, 2018, 619-620, 1163-1169.	8.0	12
32	Establishing a Firm Chronological Framework for Neolithic and Early Dynastic Archaeology in the Shangluo Area, Central China. Radiocarbon, 2010, 52, 466-478.	1.8	11
33	Depth heterogeneity of soil organic carbon dynamics in a heavily grazed alpine meadow on the northeastern Tibetan Plateau: A radiocarbon-based approach. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 1775-1788.	3.0	11
34	Atmospheric fossil fuel CO2 traced by 14CO2 and air quality index pollutant observations in Beijing and Xiamen, China. Environmental Science and Pollution Research, 2018, 25, 17109-17117.	5.3	11
35	Simulations of summertime fossil fuel CO2 in the Guanzhong basin, China. Science of the Total Environment, 2018, 624, 1163-1170.	8.0	11
36	The spatial distribution of fossil fuel CO2 traced by Î”14C in the leaves of gingko (Ginkgo biloba L.) in Beijing City, China. Environmental Science and Pollution Research, 2016, 23, 556-562.	5.3	9

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37	Freshwater radiocarbon reservoir age in the lower Yellow River floodplain during the late Holocene. Holocene, 2018, 28, 119-126.	1.7	9
38	A simple model for reconstructing geomagnetic field intensity with 10Be production rate and its application in Loess studies. Science in China Series D: Earth Sciences, 2008, 51, 855-861.	0.9	8
39	High-Level ¹⁴C Contamination and Recovery at Xi'an AMS Center. Radiocarbon, 2012, 54, 187-193.	1.8	7
40	Tropical/Subtropical Peatland Development and Global CH4 during the Last Glaciation. Scientific Reports, 2016, 6, 30431.	3.3	6
41	Reply to Liu et al.: East Asian summer monsoon rainfall dominates Lake Dali lake area changes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2989-E2990.	7.1	6
42	A Survey of the ¹⁴C Content of Dissolved Inorganic Carbon in Chinese Lakes. Radiocarbon, 2018, 60, 705-716.	1.8	6
43	Determining diurnal fossil fuel CO2 and biological CO2 by Î”14CO2 observation on certain summer and winter days at Chinese background sites. Science of the Total Environment, 2020, 718, 136864.	8.0	6
44	Two-Year Observation of Fossil Fuel Carbon Dioxide Spatial Distribution in Xiâ€™an City. Advances in Atmospheric Sciences, 2020, 37, 569-575.	4.3	5
45	Î” 14 CO 2 from dark respiration in plants and its impact on the estimation of atmospheric fossil fuel CO 2. Journal of Environmental Radioactivity, 2017, 169-170, 79-84.	1.7	4
46	STEPPED-COMBUSTION¹⁴C DATING IN LOESS-PALEOSOL SEDIMENT. Radiocarbon, 2020, 62, 1209-1220.	1.8	4
47	Impact of North Korean nuclear weapons test on 3 September, 2017 on inland China traced by 14C and 129I. Journal of Radioanalytical and Nuclear Chemistry, 2018, 316, 383-388.	1.5	3
48	HUMAN DIETARY COMPLEXITY IN TIANSHAN REGION AND THE INFLUENCE OF CLIMATE ON HUMAN PALEODIET. Radiocarbon, 2020, 62, 1489-1502.	1.8	3
49	Paleodietary Analysis of Humans in Guanzhong Basin, Shaanxi Province Since 8000 BP. Radiocarbon, 2017, 59, 1435-1446.	1.8	3
50	Unraveling the process of aerosols secondary formation and removal based on cosmogenic beryllium-7 and beryllium-10. Science of the Total Environment, 2022, 821, 153293.	8.0	3
51	14C Dating of Soil Organic Carbon (SOC) In Loess-Paleosol Using Sequential Pyrolysis and Accelerator Mass Spectrometry (AMS). Radiocarbon, 2013, 55, .	1.8	2
52	Rapid determination of 129I in large-volume water samples using rotary evaporation preconcentration and accelerator mass spectrometry measurement. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 2355-2361.	1.5	2
53	Sequential combustion separation of soil organic carbon fractions for AMS measurement of 14C and their application in fixation of carbon. Journal of Radioanalytical and Nuclear Chemistry, 2020, 323, 169-177.	1.5	2
54	Dynamic of Tridacna spp. population variability in northern SCS over past 4500Âyears derived from AMS 14C dating. Science of the Total Environment, 2020, 748, 141359.	8.0	2

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55	Time series of atmospheric Î”14CO2 recorded in tree rings from Northwest China (1957â€“2015). Chemosphere, 2021, 272, 129921.	8.2	2
56	High-Level 14C Contamination and Recovery at Xi'an AMS Center. Radiocarbon, 2012, 54, 187-193.	1.8	0
57	RECENT PROGRESS IN ATMOSPHERIC FOSSIL FUEL CO₂ TRENDS TRACED BY RADIOCARBON IN CHINA. Radiocarbon, 0, , 1-11.	1.8	0