Bernd Kromer

List of Publications by Year
in descending order

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Version: 2024-02-01

54	16,931	186265	182427
papers	citations	28 h-index	51 g-index

55	55	55	16501
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	IntCal13 and Marine13 Radiocarbon Age Calibration Curves 0â€“50,000 Years cal BP. Radiocarbon, 2013, 55, 1869-1887.	1.8	9,487
2	The IntCal20 Northern Hemisphere Radiocarbon Age Calibration Curve (0â€“55 cal kBP). Radiocarbon, 2020, 62, 725-757.	1.8	3,502
3	Marine20â€”The Marine Radiocarbon Age Calibration Curve (0â€“55,000 cal BP). Radiocarbon, 2020, 62, 779-820.	1.8	827
4	Observations and modelling of the global distribution and long-term trend of atmospheric ¹⁴CO₂. Tellus, Series B: Chemical and Physical Meteorology, 2022, 62, 26.	1.6	287
5	The 12,460-Year Hohenheim Oak and Pine Tree-Ring Chronology from Central Europeâ€”A Unique Annual Record for Radiocarbon Calibration and Paleoenvironment Reconstructions. Radiocarbon, 2004, 46, 1111-1122.	1.8	258
6	A novel approach for independent budgeting of fossil fuel CO2over Europe by14CO2observations. Geophysical Research Letters, 2003, 30, n/a-n/a.	4.0	254
7	25 Years of Tropospheric ¹⁴C Observations in Central Europe. Radiocarbon, 1985, 27, 1-19.	1.8	240
8	German Oak and Pine ¹⁴C Calibration, 7200â€“9439 BC. Radiocarbon, 1993, 35, 125-135.	1.8	182
9	A stable-isotope tree-ring timescale of the Late Glacial/Holocene boundary. Nature, 1991, 353, 647-649.	27.8	178
10	Atmospheric Î”¹⁴CO₂ trend in Western European background air from 2000 to 2012. Tellus, Series B: Chemical and Physical Meteorology, 2022, 65, 20092.	1.6	165
11	Paleo-environment and radiocarbon calibration as derived from Lateglacial/Early Holocene tree-ring chronologies. Quaternary International, 1999, 61, 27-39.	1.5	154
12	Eleven-year solar cycles over the last millennium revealed by radiocarbon in tree rings. Nature Geoscience, 2021, 14, 10-15.	12.9	97
13	Revisions and Extension of the Hohenheim Oak and Pine Chronologies: New Evidence About the Timing of the Younger Dryas/Preboreal Transition. Radiocarbon, 1998, 40, 1107-1116.	1.8	95
14	Atmospheric 14C variations derived from tree rings during the early Younger Dryas. Quaternary Science Reviews, 2009, 28, 2982-2990.	3.0	91
15	The Continental European Suess Effect. Radiocarbon, 1989, 31, 431-440.	1.8	88
16	Fractionation, precision and accuracy in 14C and 13C measurements. Nuclear Instruments & Methods in Physics Research B, 1987, 29, 87-90.	1.4	68
17	Revision and Tentative Extension of the Tree-Ring Based ¹⁴C Calibration, 9200â€“11,855 cal BP. Radiocarbon, 1998, 40, 1117-1125.	1.8	67
18	High-resolution climate signals in the BÃ¸llingâ€“AllerÃ¸d Interstadial (Greenland Interstadial 1) as reflected in European tree-ring chronologies compared to marine varves and ice-core records. Quaternary Science Reviews, 2001, 20, 1223-1232.	3.0	64

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19	Radiocarbon Calibration Data for the 6th to the 8th Millennia BC. Radiocarbon, 1986, 28, 954-960.	1.8	58
20	Radiocarbon in Atmospheric Carbon Dioxide and Methane: Global Distribution and Trends. , 1992, , 503-518.		55
21	Challenging process to make the Lateglacial tree-ring chronologies from Europe absolute â€“ an inventory. Quaternary Science Reviews, 2012, 36, 78-90.	3.0	50
22	The continental tree-ring record â€” absolute chronology, 14C calibration and climatic change at 11 ka. Palaeogeography, Palaeoclimatology, Palaeoecology, 1993, 103, 67-71.	2.3	49
23	Integrated Tree-Ring-Radiocarbon High-Resolution Timeframe to Resolve Earlier Second Millennium BCE Mesopotamian Chronology. PLoS ONE, 2016, 11, e0157144.	2.5	41
24	Ventilation rates of the waters in the Nansen Basin of the Arctic Ocean derived from a multitracer approach. Journal of Geophysical Research, 1990, 95, 3265-3272.	3.3	40
25	The New Zealand Kauri (Agathis Australis) Research Project: A Radiocarbon Dating Intercomparison of Younger Dryas Wood and Implications for IntCal13. Radiocarbon, 2013, 55, 2035-2048.	1.8	38
26	Segments of Atmospheric 14C Change as Derived from Late Glacial and Early Holocene Floating Tree-Ring Series. Radiocarbon, 1997, 40, 351-358.	1.8	36
27	Lateglacial environmental variability from Swiss tree rings. Quaternary Science Reviews, 2008, 27, 29-41.	3.0	35
28	Carbon isotope measurements of atmospheric CO2at a coastal station in Antarctica. Tellus, Series B: Chemical and Physical Meteorology, 1987, 39B, 89-95.	1.6	33
29	Co2 Gas Proportional Counting in Radiocarbon Dating â€” Review and Perspective. , 1992, , 184-197.		33
30	Decadally Resolved Lateglacial Radiocarbon Evidence from New Zealand Kauri. Radiocarbon, 2016, 58, 709-733.	1.8	29
31	New tree-ring evidence for the Late Glacial period from the northern pre-Alps in eastern Switzerland. Quaternary Science Reviews, 2018, 186, 215-224.	3.0	27
32	Mediterranean radiocarbon offsets and calendar dates for prehistory. Science Advances, 2020, 6, eaaz1096.	10.3	27
33	The olive branch chronology stands irrespective of tree-ring counting. Antiquity, 2014, 88, 274-277.	1.0	23
34	Punctuated Shutdown of Atlantic Meridional Overturning Circulation during Greenland Stadial 1. Scientific Reports, 2016, 6, 25902.	3.3	23
35	Radiocarbon offsets and old world chronology as relevant to Mesopotamia, Egypt, Anatolia and Thera (Santorini). Scientific Reports, 2020, 10, 13785.	3.3	23
36	Molluscs as Evidence for a Late Pleistocene and Early Holocene Humid Period in the Southern Coastal Desert of Peru (14.5Â°S). Quaternary Research, 2010, 73, 39-47.	1.7	22

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37	Wood¹⁴C Dating with AixMICADAS: Methods and Application to Tree-Ring Sequences from the Younger Dryas Event in the Southern French Alps. Radiocarbon, 2018, 60, 51-74.	1.8	22
38	Extended dilation of the radiocarbon time scale between 40,000 and 48,000 y BP and the overlap between Neanderthals and Homo sapiens. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21005-21007.	7.1	20
39	Quality Dating: A Well-Defined Protocol Implemented at ETH for High-Precision 14C-Dates Tested on Late Glacial Wood. Radiocarbon, 2020, 62, 891-899.	1.8	20
40	RADIOCARBON IN GLOBAL TROPOSPHERIC CARBON DIOXIDE. Radiocarbon, 2022, 64, 781-791.	1.8	20
41	Compatibility of Atmospheric ¹⁴CO₂ Measurements: Comparing the Heidelberg Low-Level Counting Facility to International Accelerator Mass Spectrometry (AMS) Laboratories. Radiocarbon, 2017, 59, 875-883.	1.8	15
42	Onset of the Younger Dryas Recorded with ¹⁴C at Annual Resolution in French Subfossil Trees. Radiocarbon, 2020, 62, 901-918.	1.8	13
43	Illuminating Intcal During the Younger Dryas. Radiocarbon, 2020, 62, 883-889.	1.8	13
44	Speed Dating: A Rapid Way to Determine the Radiocarbon Age of Wood by EA-AMS. Radiocarbon, 2017, 59, 933-939.	1.8	12
45	Measurement of Small Volume Oceanic ¹⁴C Samples by Accelerator Mass Spectrometry. Radiocarbon, 1987, 29, 347-352.	1.8	11
46	Subfossil trees suggest enhanced Mediterranean hydroclimate variability at the onset of the Younger Dryas. Scientific Reports, 2018, 8, 13980.	3.3	11
47	Exploring different methods of cellulose extraction for ¹⁴C dating. New Journal of Chemistry, 2021, 45, 8936-8941.	2.8	7
48	DENDROCHRONOLOGY AND RADIOCARBON DATING. Radiocarbon, 2022, 64, 569-588.	1.8	5
49	14C Profiles in the Central Weddell Sea. Radiocarbon, 1989, 31, 544-556.	1.8	4
50	An annual-resolution stable isotope record from Swiss subfossil pine trees growing in the late Glacial. Quaternary Science Reviews, 2020, 247, 106550.	3.0	4
51	Performance of a high purity Ge gamma detection system cooled by a cryogenic refrigerator. Nuclear Instruments & Methods in Physics Research B, 1985, 12, 521-523.	1.4	3
52	Tree-rings, absolute chronology and climatic change. European Review, 1995, 3, 303-308.	0.7	2
53	KARL OTTO MÃœNNICH (1925â€“2003): IN MEMORIAM. Radiocarbon, 0, , 1-5.	1.8	1
54	Integrating palaeo- and archaeobotanical data for a synthesis of the Italian fossil record of Lycopus (Lamiaceae, Mentheae). Phytotaxa, 2021, 513, .	0.3	1