

Philippa L Ascough

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,816
citations

361413
20
h-index

265206
42
g-index

44
all docs

44
docs citations

44
times ranked

2412
citing authors

#	ARTICLE	IF	CITATIONS
1	Methodological approaches to determining the marine radiocarbon reservoir effect. <i>Progress in Physical Geography</i> , 2005, 29, 532-547.	3.2	177
2	Isotopes in pyrogenic carbon: A review. <i>Organic Geochemistry</i> , 2012, 42, 1529-1539.	1.8	174
3	Variability in oxidative degradation of charcoal: Influence of production conditions and environmental exposure. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 2361-2378.	3.9	104
4	Charcoal reflectance measurements: implications for structural characterization and assessment of diagenetic alteration. <i>Journal of Archaeological Science</i> , 2010, 37, 1590-1599.	2.4	97
5	X-ray microtomographic imaging of charcoal. <i>Journal of Archaeological Science</i> , 2008, 35, 2698-2706.	2.4	94
6	The Worldwide Marine Radiocarbon Reservoir Effect: Definitions, Mechanisms, and Prospects. <i>Reviews of Geophysics</i> , 2018, 56, 278-305.	23.0	94
7	Carbon sequestration potential and physicochemical properties differ between wildfire charcoals and slow-pyrolysis biochars. <i>Scientific Reports</i> , 2017, 7, 11233.	3.3	93
8	Alkali extraction of archaeological and geological charcoal: evidence for diagenetic degradation and formation of humic acids. <i>Journal of Archaeological Science</i> , 2011, 38, 69-78.	2.4	80
9	Radiocarbon dating. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	21.2	79
10	Rapid Removal of Atmospheric CO ₂ by Urban Soils. <i>Environmental Science & Technology</i> , 2015, 49, 5434-5440.	10.0	76
11	Investigation of growth responses in saprophytic fungi to charred biomass. <i>Isotopes in Environmental and Health Studies</i> , 2010, 46, 64-77.	1.0	65
12	Influence of Mollusk Species on Marine $\delta^{13}C$ Determinations. <i>Radiocarbon</i> , 2005, 47, 433-440.	1.8	53
13	Holocene Variations in the Scottish Marine Radiocarbon Reservoir Effect. <i>Radiocarbon</i> , 2004, 46, 611-620.	1.8	51
14	The efficiency of charcoal decontamination for radiocarbon dating by three pre-treatments – ABOX, ABA and hypy. <i>Quaternary Geochronology</i> , 2014, 22, 25-32.	1.4	50
15	Reservoirs and Radiocarbon: ^{14}C Dating Problems in M \ddot{A} 1/2vatnssveit, Northern Iceland. <i>Radiocarbon</i> , 2007, 49, 947-961.	1.8	47
16	Sources of n-alkanes in an urbanized estuary: Insights from molecular distributions and compound-specific stable and radiocarbon isotopes. <i>Marine Chemistry</i> , 2011, 126, 239-249.	2.3	44
17	Radiocarbon reservoir effects in human bone collagen from northern Iceland. <i>Journal of Archaeological Science</i> , 2012, 39, 2261-2271.	2.4	40
18	The Vikings were not the first colonizers of the Faroe Islands. <i>Quaternary Science Reviews</i> , 2013, 77, 228-232.	3.0	40

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19	Application of 34S analysis for elucidating terrestrial, marine and freshwater ecosystems: Evidence of animal movement/husbandry practices in an early Viking community around Lake Mývatn, Iceland. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 120, 531-544.	3.9	38
20	Stable Isotopes of Subfossil Bat Guano as a Long-Term Environmental Archive: Insights from a Grand Canyon Cave Deposit. <i>Journal of Cave and Karst Studies</i> , 2010, 72, 111-121.	0.6	34
21	Using Stable Isotopes and a Bayesian Mixing Model (FRUITS) to Investigate Diet at the Early Neolithic Site of Carding Mill Bay, Scotland. <i>Radiocarbon</i> , 2017, 59, 1275-1294.	1.8	25
22	Islands of change vs. islands of disaster: Managing pigs and birds in the Anthropocene of the North Atlantic. <i>Holocene</i> , 2015, 25, 1676-1684.	1.7	24
23	Loss and gain of carbon during char degradation. <i>Soil Biology and Biochemistry</i> , 2017, 106, 80-89.	8.8	21
24	Seaweed fertilisation impacts the chemical and isotopic composition of barley: Implications for analyses of archaeological skeletal remains. <i>Journal of Archaeological Science</i> , 2019, 104, 34-44.	2.4	20
25	Utilization of $\delta^{13}\text{C}$, $\delta^{15}\text{N}$, and $\delta^{34}\text{S}$ Analyses to Understand $\delta^{14}\text{C}$ Dating Anomalies within a Late Viking Age Community in Northeast Iceland. <i>Radiocarbon</i> , 2014, 56, 811-821.	1.8	19
26	Deciphering diet and monitoring movement: Multiple stable isotope analysis of the viking age settlement at Hofstaðir, Lake Mývatn, Iceland. <i>American Journal of Physical Anthropology</i> , 2016, 160, 126-136.	2.1	19
27	Assessment of oxygen plasma ashing as a pre-treatment for radiocarbon dating. <i>Quaternary Geochronology</i> , 2010, 5, 435-442.	1.4	16
28	Stable Isotopic ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$) Characterization of Key Faunal Resources from Norse Period Settlements in North Iceland. <i>Journal of the North Atlantic</i> , 2014, 7, 25-42.	0.4	15
29	A Protocol for Radiocarbon Dating Tropical Subfossil Cave Guano. <i>Radiocarbon</i> , 2009, 51, 977-986.	1.8	14
30	Radiocarbon Dating in Estuarine Environments. <i>Developments in Paleoenvironmental Research</i> , 2017, , 141-170.	8.0	14
31	Identifying seaweed consumption by sheep using isotope analysis of their bones and teeth: Modern reference $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ values and their archaeological implications. <i>Journal of Archaeological Science</i> , 2020, 118, 105140.	2.4	13
32	A period of calm in Scottish seas: A comprehensive study of $\delta^{18}\text{O}$ values for the northern British Isles coast and the consequent implications for archaeology and oceanography. <i>Quaternary Geochronology</i> , 2015, 30, 34-41.	1.4	10
33	8.2 ka event North Sea hydrography determined by bivalve shell stable isotope geochemistry. <i>Scientific Reports</i> , 2019, 9, 6753.	3.3	10
34	Chemical Characteristics of Macroscopic Pyrogenic Carbon Following Millennial-Scale Environmental Exposure. <i>Frontiers in Environmental Science</i> , 2020, 7, .	3.3	10
35	Quantifying Charcoal Degradation and Negative Priming of Soil Organic Matter with a $\delta^{14}\text{C}$ -Dead Tracer. <i>Radiocarbon</i> , 2016, 58, 905-919.	1.8	9
36	Dynamics of Charcoal Alteration in a Tropical Biome: A Biochar-Based Study. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	9

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37	Marine Radiocarbon Reservoir Effects for the Mesolithic and Medieval Periods in the Western Isles of Scotland. <i>Radiocarbon</i> , 2017, 59, 17-31.	1.8	8
38	A rapid throughput technique to isolate pyrogenic carbon by hydrogen pyrolysis for stable isotope and radiocarbon analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8737.	1.5	8
39	From Isoscapes to Farmscapes: Introduction to the Special Issue. <i>Environmental Archaeology</i> , 2018, 23, 299-302.	1.2	6
40	Radiocarbon dating of mangrove sediments. , 2021, , 199-215.		6
41	Performance of the rebuilt SUERC single-stage accelerator mass spectrometer. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 361, 76-79.	1.4	4
42	Partitioning of Microbially Respired CO ₂ Between Indigenous and Exogenous Carbon Sources During Biochar Degradation Using Radiocarbon and Stable Carbon Isotopes. <i>Radiocarbon</i> , 2019, 61, 573-586.	1.8	3
43	Improved pretreatment method for the isolation and decontamination of pyrogenic carbon for radiocarbon dating using hydrogen pyrolysis. <i>Quaternary Geochronology</i> , 2021, 61, 101124.	1.4	2
44	Trace element ratios in tooth enamel as palaeodietary indicators of seaweed consumption and coastal grazing, and their broader applicability. <i>Journal of Archaeological Science</i> , 2022, 139, 105551.	2.4	1