Timothy J Heaton

List of Publications by Year
in descending order

37 papers	21,097 citations	279798 23 h-index	361022 35 g-index
37 all docs	37 docs citations	37 times ranked	18435 citing authors

#	Article	IF	Citations
1	IntCal13 and Marine13 Radiocarbon Age Calibration Curves 0–50,000 Years cal BP. Radiocarbon, 2013, 55, 1869-1887.	1.8	9,487
2	IntCal09 and Marine09 Radiocarbon Age Calibration Curves, 0–50,000 Years cal BP. Radiocarbon, 2009, 51, 1111-1150.	1.8	4,009
3	The IntCal20 Northern Hemisphere Radiocarbon Age Calibration Curve (0–55 cal kBP). Radiocarbon, 2020, 62, 725-757.	1.8	3,502
4	SHCal13 Southern Hemisphere Calibration, 0–50,000 Years cal BP. Radiocarbon, 2013, 55, 1889-1903.	1.8	1,457
5	Marine20—The Marine Radiocarbon Age Calibration Curve (0–55,000 cal BP). Radiocarbon, 2020, 62, 779-820.	1.8	827
6	SHCal20 Southern Hemisphere Calibration, 0–55,000 Years cal BP. Radiocarbon, 2020, 62, 759-778.	1.8	678
7	Selection and Treatment of Data for Radiocarbon Calibration: An Update to the International Calibration (IntCal) Criteria. Radiocarbon, 2013, 55, 1923-1945.	1.8	134
8	Annual radiocarbon record indicates 16th century BCE date for the Thera eruption. Science Advances, 2018, 4, eaar8241.	10.3	85
9	What is the prevalence of loneliness amongst older people living in residential and nursing care homes? A systematic review and meta-analysis. Age and Ageing, 2020, 49, 748-757.	1.6	82
10	A Bayesian Approach to the Estimation of Radiocarbon Calibration Curves: The IntCal09 Methodology. Radiocarbon, 2009, 51, 1151-1164.	1.8	71
11	The IntCal20 Approach to Radiocarbon Calibration Curve Construction: A New Methodology Using Bayesian Splines and Errors-in-Variables. Radiocarbon, 2020, 62, 821-863.	1.8	68
12	Why garden? – Attitudes and the perceived health benefits of home gardening. Cities, 2021, 112, 103118.	5.6	68
13	A global environmental crisis 42,000 years ago. Science, 2021, 371, 811-818.	12.6	61
14	"It made me feel brighter in myself" The health and well-being impacts of a residential front garden horticultural intervention. Landscape and Urban Planning, 2021, 205, 103958.	7.5	53
15	Deep-water circulation changes lead North Atlantic climate during deglaciation. Nature Communications, 2019, 10, 1272.	12.8	47
16	Recent Developments in Calibration for Archaeological and Environmental Samples. Radiocarbon, 2020, 62, 1095-1117.	1.8	47
17	The Bayesian Approach to Radiocarbon Calibration Curve Estimation: The IntCal13, Marine13, and SHCal13 Methodologies. Radiocarbon, 2013, 55, 1905-1922.	1.8	43
18	Radiocarbon Calibration/Comparison Records Based on Marine Sediments from the Pakistan and Iberian Margins. Radiocarbon, 2013, 55, 1999-2019.	1.8	40

#	Article	IF	Citations
19	Reanalysis of the Atmospheric Radiocarbon Calibration Record from Lake Suigetsu, Japan. Radiocarbon, 2020, 62, 989-999.	1.8	36
20	A Short Note on Marine Reservoir Age Simulations Used in IntCal20. Radiocarbon, 2020, 62, 865-871.	1.8	35
21	Radiocarbon: A key tracer for studying Earth's dynamo, climate system, carbon cycle, and Sun. Science, 2021, 374, eabd7096.	12.6	33
22	Elastic Tie-Pointing—Transferring Chronologies between Records via a Gaussian Process. Radiocarbon, 2013, 55, 1975-1997.	1.8	32
23	Updated Cariaco Basin ^{14}C Calibration Dataset from 0–60 cal kyr BP. Radiocarbon, 2020, 62, 1001-1043.	1.8	26
24	Reduced visual exploration when viewing photographic scenes in individuals with autism spectrum disorder.. Journal of Abnormal Psychology, 2016, 125, 399-411.	1.9	25
25	Machine learning as a diagnostic decision aid for patients with transient loss of consciousness. Neurology: Clinical Practice, 2020, 10, 96-105.	1.6	25
26	Attitudes towards the sharing of genetic information with at-risk relatives: results of a quantitative survey. Human Genetics, 2016, 135, 109-120.	3.8	23
27	IntCal20 Tree Rings: An Archaeological Swot Analysis. Radiocarbon, 2020, 62, 1045-1078.	1.8	23
28	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
29	Testing and Improving the IntCal20 Calibration Curve with Independent Records. Radiocarbon, 2020, 62, 1079-1094.	1.8	18
30	Mitigating the effect of language in the assessment of science: A study of English-language learners in primary classrooms in the United Kingdom. Science Education, 2019, 103, 1396-1422.	3.0	13
31	The Influence of Calibration Curve Construction and Composition on the Accuracy and Precision of Radiocarbon Wiggle-Matching of Tree Rings, Illustrated by Southern Hemisphere Atmospheric Data Sets from AD 1500–1950. Radiocarbon, 2019, 61, 1265-1291.	1.8	12
32	Locally Adaptive Tree-Based Thresholding. Journal of Computational and Graphical Statistics, 2009, 18, 961-977.	1.7	10
33	On the tuning of plateaus in atmospheric and oceanic <sup>14</sup>C records to derive calendar chronologies of deep-sea cores and records of <sup>14</sup>C marine reservoir age changes. Climate of the Past, 2021, 17, 1701-1725.	3.4	3
34	Response to Comment on "A global environmental crisis 42,000 years ago". Science, 2021, 374, eabi9756.	12.6	2
35	Target-distractor synchrony affects performance in a novel motor task for studying action selection. PLoS ONE, 2017, 12, e0176945.	2.5	1
36	WIGGLE MATCHING WITH CORRELATIONS. Radiocarbon, 0, , 1-8.	1.8	1

#	ARTICLE	IF	CITATIONS
37	Response to Comment on "A global environmental crisis 42,000 years ago" Science, 2021, 374, eabh3655.	12.6	0