

Paul G Butler

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

2,050
citations

279487

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docs citations

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times ranked

2594
citing authors

#	ARTICLE	IF	CITATIONS
1	Atlantic circulation change still uncertain. <i>Nature Geoscience</i> , 2022, 15, 165-167.	5.4	29
2	Importance of Weighting High-Resolution Proxy Data From Bivalve Shells to Avoid Bias Caused by Sample Spot Geometry and Variability in Seasonal Growth Rate. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	2
3	Late Holocene seasonal temperature variability of the western Scottish shelf (St Kilda) recorded in fossil shells of the bivalve <i>Glycymeris glycymeris</i> . <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 562, 110146.	1.0	3
4	A 45-year sub-annual reconstruction of seawater temperature in the Bay of Brest, France, using the shell oxygen isotope composition of the bivalve <i>Glycymeris glycymeris</i> . <i>Holocene</i> , 2020, 30, 3-12.	0.9	6
5	Fundamental questions and applications of sclerochronology: Community-defined research priorities. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 245, 106977.	0.9	15
6	Is there a reliable taphonomic clock in the temperate North Atlantic? An example from a North Sea population of the mollusc <i>Arctica islandica</i> . <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 560, 109975.	1.0	6
7	8.2 ka event North Sea hydrography determined by bivalve shell stable isotope geochemistry. <i>Scientific Reports</i> , 2019, 9, 6753.	1.6	10
8	The revolution of crossdating in marine palaeoecology and palaeoclimatology. <i>Biology Letters</i> , 2019, 15, 20180665.	1.0	35
9	Reconstruction of Atlantic herring (<i>Clupea harengus</i>) recruitment in the North Sea for the past 455 years based on the $\delta^{13}C$ from annual shell increments of the ocean quahog (<i>Arctica islandica</i>). <i>Fish and Fisheries</i> , 2019, 20, 537-551.	2.7	13
10	Mesolithic human occupation and seasonality: sclerochronology, $\delta^{18}O$ isotope geochemistry, and diagenesis verification by Raman and LA-ICP-MS analysis of <i>Argyrosomus regius</i> (meagre) sagittae otoliths from layer 1 of Cabeço da Amoreira Mesolithic shell midden (Muge, Portugal). <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 409-432.	0.7	4
11	Archaeology and Sclerochronology of Marine Bivalves. , 2019, , 413-444.		10
12	Analysis of ontogenetic growth trends in two marine Antarctic bivalves <i>Yoldia eightsi</i> and <i>Laternula elliptica</i> : Implications for sclerochronology. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 465, 300-306.	1.0	24
13	Ba/Ca ratios in shells of <i>Arctica islandica</i> – Potential environmental proxy and crossdating tool. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 465, 347-361.	1.0	39
14	Ancient <i>scp>DNA</scp></i> analysis identifies marine mollusc shells as new metagenomic archives of the past. <i>Molecular Ecology Resources</i> , 2017, 17, 835-853.	2.2	62
15	Reconstructing North Atlantic marine climate variability using an absolutely-dated sclerochronological network. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 465, 333-346.	1.0	41
16	A sclerochronological archive for Antarctic coastal waters based on the marine bivalve <i>Yoldia eightsi</i> (Jay, 1839) from the South Orkney Islands. <i>Holocene</i> , 2017, 27, 271-281.	0.9	3
17	Reproducibility of trace element time-series (Na/Ca, Mg/Ca, Mn/Ca, Sr/Ca, and Ba/Ca) within and between specimens of the bivalve <i>Arctica islandica</i> – A LA-ICP-MS line scan study. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 484, 109-128.	1.0	33
18	Biological and Climate Controls on North Atlantic Marine Carbon Dynamics Over the Last Millennium: Insights From an Absolutely Dated Shell-Based Record From the North Icelandic Shelf. <i>Global Biogeochemical Cycles</i> , 2017, 31, 1718-1735.	1.9	15

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19	Influence of riverine input on the growth of <i>Glycymeris glycymeris</i> in the Bay of Brest, North-West France. PLoS ONE, 2017, 12, e0189782.	1.1	12
20	The Application of Long-Lived Bivalve Sclerochronology in Environmental Baseline Monitoring. Frontiers in Marine Science, 2016, 3, .	1.2	30
21	Annually resolved North Atlantic marine climate over the last millennium. Nature Communications, 2016, 7, 13502.	5.8	79
22	Bidecadal North Atlantic ocean circulation variability controlled by timing of volcanic eruptions. Nature Communications, 2015, 6, 6545.	5.8	101
23	<i>Glycymeris bimaculata</i> (Poli, 1795) – A new sclerochronological archive for the Mediterranean?. Journal of Sea Research, 2015, 95, 139-148.	0.6	28
24	Looking forward through the past: identification of 50 priority research questions in palaeoecology. Journal of Ecology, 2014, 102, 256-267.	1.9	212
25	Variability of marine climate on the North Icelandic Shelf in a 1357-year proxy archive based on growth increments in the bivalve <i>Arctica islandica</i> . Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 373, 141-151.	1.0	296
26	A multiproxy reconstruction of Hebridean (NW Scotland) spring sea surface temperatures between AD 1805 and 2010. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 386, 275-285.	1.0	49
27	The dog cockle, <i>Glycymeris glycymeris</i> (L.), a new annually-resolved sclerochronological archive for the Irish Sea. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 373, 133-140.	1.0	52
28	The potential of the marine bivalve mollusc <i>Glossus humanus</i> (L.) as a sclerochronological archive. Holocene, 2013, 23, 1711-1720.	0.9	8
29	Reconstructions of surface ocean conditions from the northeast Atlantic and Nordic seas during the last millennium. Holocene, 2013, 23, 921-935.	0.9	49
30	Surface changes in the North Atlantic meridional overturning circulation during the last millennium. Nature Communications, 2012, 3, 899.	5.8	154
31	The population structure and biology of the ocean quahog, <i>Arctica islandica</i> , in Belfast Lough, Northern Ireland. Journal of the Marine Biological Association of the United Kingdom, 2012, 92, 539-546.	0.4	18
32	Characterizing the microstructure of <i>Arctica islandica</i> shells using NanoSIMS and EBSD. Geochemistry, Geophysics, Geosystems, 2012, 13, .	1.0	15
33	The Marine Radiocarbon Bomb Pulse Across the Temperate North Atlantic: A Compilation of $\delta^{14}\text{C}$ Time Histories from <i>Arctica Islandica</i> Growth Increments. Radiocarbon, 2012, 54, 165-186.	0.8	5
34	The Marine Radiocarbon Bomb Pulse Across the Temperate North Atlantic: A Compilation of $\delta^{14}\text{C}$ Time Histories from <i>Arctica Islandica</i> Growth Increments. Radiocarbon, 2012, 54, 165-186.	0.8	53
35	Long-term stability of $\delta^{13}\text{C}$ with respect to biological age in the aragonite shell of mature specimens of the bivalve mollusk <i>Arctica islandica</i> . Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 302, 21-30.	1.0	49
36	Identification of growth increments in the shell of the bivalve mollusk <i>Arctica islandica</i> using backscattered electron imaging. Journal of Microscopy, 2011, 241, 29-36.	0.8	17

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37	Marine climate in the Irish Sea: analysis of a 489-year marine master chronology derived from growth increments in the shell of the clam <i>Arctica islandica</i> . <i>Quaternary Science Reviews</i> , 2010, 29, 1614-1632.	1.4	115
38	Continuous marine radiocarbon reservoir calibration and the ^{13}C Suess effect in the Irish Sea: Results from the first multi-centennial shell-based marine master chronology. <i>Earth and Planetary Science Letters</i> , 2009, 279, 230-241.	1.8	109
39	Accurate increment identification and the spatial extent of the common signal in five <i>Arctica islandica</i> chronologies from the Fladen Ground, northern North Sea. <i>Paleoceanography</i> , 2009, 24, .	3.0	56
40	A novel method for imaging internal growth patterns in marine mollusks: A fluorescence case study on the aragonitic shell of the marine bivalve <i>Arctica islandica</i> (Linnaeus). <i>Limnology and Oceanography: Methods</i> , 2009, 7, 673-681.	1.0	23
41	Very Long-Lived Mollusks Confirm 17th Century AD Tephra-Based Radiocarbon Reservoir Ages for North Icelandic Shelf Waters. <i>Radiocarbon</i> , 2008, 50, 399-412.	0.8	137