

Alan D Wanamaker

List of Publications by Year in descending order

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136740

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#	ARTICLE	IF	CITATIONS
1	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
2	Twentieth-century Azores High expansion unprecedented in the past 1,200 years. <i>Nature Geoscience</i> , 2022, 15, 548-553.	5.4	24
3	Using light stable isotopes to assess stream food web ecology in a general ecology laboratory course. <i>Journal of Biological Education</i> , 2021, 55, 501-517.	0.8	3
4	Eutrophication Drives Extreme Seasonal CO ₂ Flux in Lake Ecosystems. <i>Ecosystems</i> , 2021, 24, 434-450.	1.6	19
5	Comparing contemporary biogeochemical archives from <i>Mercenaria mercenaria</i> and <i>Crassostrea virginica</i> : Insights on paleoenvironmental reconstructions. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 562, 110110.	1.0	6
6	Persistent Multidecadal Variability Since the 15th Century in the Southern Barents Sea Derived From Annually Resolved Shell-Based Records. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC017074.	1.0	8
7	A Multicentennial Proxy Record of Northeast Pacific Sea Surface Temperatures From the Annual Growth Increments of <i>Panopea generosa</i> . <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2021PA004291.	1.3	5
8	Ragweed and sagebrush pollen can distinguish between vegetation types at broad spatial scales. <i>Ecosphere</i> , 2020, 11, e03120.	1.0	0
9	Using stable isotopes as tracers of water masses and nutrient cycling processes in the Gulf of Maine. <i>Continental Shelf Research</i> , 2020, 206, 104210.	0.9	1
10	Linking the karst record to atmospheric, precipitation, and vegetation dynamics in Portugal. <i>Chemical Geology</i> , 2020, 558, 119949.	1.4	4
11	A 250-Year, Decadally Resolved, Radiocarbon Time History in the Gulf of Maine Reveals a Hydrographic Regime Shift at the End of the Little Ice Age. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2020JC016579.	1.0	5
12	Hydroclimate variability from western Iberia (Portugal) during the Holocene: Insights from a composite stalagmite isotope record. <i>Holocene</i> , 2020, 30, 966-981.	0.9	18
13	Trophic dynamics of a reservoir fishery following an introduction of a top predator: Insights from stable carbon and nitrogen isotopes. <i>Fisheries Management and Ecology</i> , 2020, 27, 531-539.	1.0	0
14	Reprint of Unexpected isotopic variability in biogenic aragonite: A user issue or proxy problem?. <i>Chemical Geology</i> , 2019, 526, 84-92.	1.4	4
15	Chemical sclerochronology. <i>Chemical Geology</i> , 2019, 526, 1-6.	1.4	25
16	Variability in the Northern North Atlantic and Arctic Oceans Across the Last Two Millennia: A Review. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1399-1436.	1.3	53
17	The revolution of crossdating in marine palaeoecology and palaeoclimatology. <i>Biology Letters</i> , 2019, 15, 20180665.	1.0	35
18	Paired bulk organic and individual amino acid $\delta^{15}\text{N}$ analyses of bivalve shell periostracum: A paleoceanographic proxy for water source variability and nitrogen cycling processes. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 254, 67-85.	1.6	25

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19	Pacific climate influences on ocean conditions and extreme shell growth events in the Northwestern Atlantic (Gulf of Maine). <i>Climate Dynamics</i> , 2019, 52, 6339-6356.	1.7	16
20	Strontium, magnesium, and barium incorporation in aragonitic shells of juvenile <i>Arctica islandica</i> : Insights from temperature controlled experiments. <i>Chemical Geology</i> , 2019, 526, 117-129.	1.4	30
21	Unexpected isotopic variability in biogenic aragonite: A user issue or proxy problem?. <i>Chemical Geology</i> , 2018, 483, 286-294.	1.4	11
22	A stalagmite test of North Atlantic SST and Iberian hydroclimate linkages over the last two glacial cycles. <i>Climate of the Past</i> , 2018, 14, 1893-1913.	1.3	21
23	Isolating and Reconstructing Key Components of North Atlantic Ocean Variability From a Sclerochronological Spatial Network. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 1086-1098.	1.3	12
24	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
25	Spatial and temporal variability in the $\delta^{18}O$ and salinity compositions of Gulf of Maine coastal surface waters. <i>Continental Shelf Research</i> , 2017, 137, 163-171.	0.9	11
26	Decoupling of monsoon activity across the northern and southern Indo-Pacific during the Late Glacial. <i>Quaternary Science Reviews</i> , 2017, 176, 101-105.	1.4	22
27	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
28	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
29	The effects of environment on <i>Arctica islandica</i> shell formation and architecture. <i>Biogeosciences</i> , 2017, 14, 1577-1591.	1.3	22
30	Cyanobacterial carbon concentrating mechanisms facilitate sustained CO_2 depletion in eutrophic lakes. <i>Biogeosciences</i> , 2017, 14, 2865-2875.	1.3	29
31	Linking large-scale climate variability with <i>Arctica islandica</i> shell growth and geochemistry in northern Norway. <i>Limnology and Oceanography</i> , 2016, 61, 748-764.	1.6	64
32	The value of crossdating to retain high-frequency variability, climate signals, and extreme events in environmental proxies. <i>Global Change Biology</i> , 2016, 22, 2582-2595.	4.2	86
33	Annually resolved North Atlantic marine climate over the last millennium. <i>Nature Communications</i> , 2016, 7, 13502.	5.8	79
34	Expansion and Contraction of the Indo-Pacific Tropical Rain Belt over the Last Three Millennia. <i>Scientific Reports</i> , 2016, 6, 34485.	1.6	60
35	Climate Science, Social Justice, and Science Communication: An Interview with Dr. Alan Wanamaker. <i>Journal of Critical Thought & Praxis</i> , 2016, 5, .	0.1	0
36	Commercial Diets in Phase I Palmetto Bass, <i>Morone saxatilis</i> – <i>Morone chrysops</i> , Production in Plastic-lined Ponds: Fertilizer or Feed?. <i>Journal of the World Aquaculture Society</i> , 2015, 46, 490-504.	1.2	2

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37	Environmental controls on the boron and strontium isotopic composition of aragonite shell material of cultured <i>Arctica islandica</i> . <i>Biogeosciences</i> , 2015, 12, 3351-3368.	1.3	18
38	Extreme rainfall activity in the Australian tropics reflects changes in the El Niño/Southern Oscillation over the last two millennia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4576-4581.	3.3	64
39	Reply to Nott: Assessing biases in speleothem records of flood events. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4637-E4637.	3.3	0
40	Carbonate clumped isotope compositions of modern marine mollusk and brachiopod shells. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 106, 307-325.	1.6	204
41	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> . <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 373, 141-151.	1.0	296
42	A Stalagmite record of Holocene Indonesian Australian summer monsoon variability from the Australian tropics. <i>Quaternary Science Reviews</i> , 2013, 78, 155-168.	1.4	120
43	A multiproxy reconstruction of Hebridean (NW Scotland) spring sea surface temperatures between AD 1805 and 2010. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 386, 275-285.	1.0	49
44	The potential of the marine bivalve mollusc <i>Glossus humanus</i> (L.) as a sclerochronological archive. <i>Holocene</i> , 2013, 23, 1711-1720.	0.9	8
45	Reconstructions of surface ocean conditions from the northeast Atlantic and Nordic seas during the last millennium. <i>Holocene</i> , 2013, 23, 921-935.	0.9	49
46	A high-throughput system for boron microsublimation and isotope analysis by total evaporation thermal ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1705-1714.	0.7	18
47	The influence of temperature and seawater carbonate saturation state on $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ bond ordering in bivalve mollusks. <i>Biogeosciences</i> , 2013, 10, 4591-4606.	1.3	98
48	Surface changes in the North Atlantic meridional overturning circulation during the last millennium. <i>Nature Communications</i> , 2012, 3, 899.	5.8	154
49	Experimental validation of environmental controls on the $\delta^{13}\text{C}$ of <i>Arctica islandica</i> (ocean quahog) shell carbonate. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 84, 395-409.	1.6	63
50	Oxygen isotope ratios in the shell of <i>Mytilus edulis</i> : archives of glacier meltwater in Greenland?. <i>Biogeosciences</i> , 2012, 9, 5231-5241.	1.3	23
51	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. <i>Radiocarbon</i> , 2012, 54, 165-186.	0.8	5
52	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. <i>Radiocarbon</i> , 2012, 54, 165-186.	0.8	53
53	Annually resolved $\delta^{13}\text{C}$ shell chronologies of long-lived bivalve mollusks (<i>Arctica islandica</i>) reveal oceanic carbon dynamics in the temperate North Atlantic during recent centuries. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 302, 31-42.	1.0	67
54	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> . <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 302, 21-30.	1.0	49

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55	Gulf of Maine shells reveal changes in seawater temperature seasonality during the Medieval Climate Anomaly and the Little Ice Age. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 302, 43-51.	1.0	86
56	Reconstructing mid- to high-latitude marine climate and ocean variability using bivalves, coralline algae, and marine sediment cores from the Northern Hemisphere. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 302, 1-9.	1.0	52
57	225 years of Bering Sea climate and ecosystem dynamics revealed by coralline algal growth-increment widths. <i>Geology</i> , 2011, 39, 579-582.	2.0	37
58	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
59	A late Holocene paleo-productivity record in the western Gulf of Maine, USA, inferred from growth histories of the long-lived ocean quahog (<i>Arctica islandica</i>). <i>International Journal of Earth Sciences</i> , 2009, 98, 19.	0.9	54
60	Continuous marine radiocarbon reservoir calibration and the 13C 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
61	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
62	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
63	Experimentally determined Mg/Ca and Sr/Ca ratios in juvenile bivalve calcite for <i>Mytilus edulis</i> : implications for paleotemperature reconstructions. <i>Geo-Marine Letters</i> , 2008, 28, 359-368.	0.5	81
64	Coupled North Atlantic slope water forcing on Gulf of Maine temperatures over the past millennium. <i>Climate Dynamics</i> , 2008, 31, 183-194.	1.7	97
65	Stable carbon and oxygen isotope fractionation in bivalve (<i>Placopecten magellanicus</i>) larval aragonite. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 4687-4698.	1.6	32
66	Coralline red algae as high-resolution climate recorders. <i>Geology</i> , 2008, 36, 463.	2.0	92
67	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
68	Experimental determination of salinity, temperature, growth, and metabolic effects on shell isotope chemistry of <i>Mytilus edulis</i> collected from Maine and Greenland. <i>Paleoceanography</i> , 2007, 22, .	3.0	90
69	An aquaculture-based method for calibrated bivalve isotope paleothermometry. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	1.0	37