

Hilary J Sloane

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,366
citations

201674

27
h-index

214800

47
g-index

51
all docs

51
docs citations

51
times ranked

2528
citing authors

#	ARTICLE	IF	CITATIONS
1	An inter-laboratory comparison of Si isotope reference materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 561-568.	3.0	224
2	The oxygen isotope relationship between the phosphate and structural carbonate fractions of human bioapatite. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 309-319.	1.5	217
3	Cleaning of lake sediment samples for diatom oxygen isotope analysis. <i>Journal of Paleolimnology</i> , 2004, 31, 391-401.	1.6	148
4	Eastern Mediterranean hydroclimate over the late glacial and Holocene, reconstructed from the sediments of Nar lake, central Turkey, using stable isotopes and carbonate mineralogy. <i>Quaternary Science Reviews</i> , 2015, 124, 162-174.	3.0	105
5	Silicon, oxygen and carbon isotope composition of wheat (<i>Triticum aestivum</i> L.) phytoliths: implications for palaeoecology and archaeology. <i>Journal of Quaternary Science</i> , 2008, 23, 331-339.	2.1	98
6	Combined oxygen and silicon isotope analysis of biogenic silica. <i>Journal of Quaternary Science</i> , 2008, 23, 313-319.	2.1	83
7	Inter-laboratory comparison of oxygen isotope compositions from biogenic silica. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 7242-7256.	3.9	82
8	Title is missing!. <i>Journal of Paleolimnology</i> , 1999, 22, 187-204.	1.6	72
9	Diatom silicon isotopes as a proxy for silicic acid utilisation: A Southern Ocean core top calibration. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 96, 174-192.	3.9	72
10	Late glacial and Holocene environmental change in the Lake Baikal region documented by oxygen isotopes from diatom silica. <i>Global and Planetary Change</i> , 2005, 46, 221-233.	3.5	70
11	A combined oxygen and silicon diatom isotope record of Late Quaternary change in Lake El'gygytgyn, North East Siberia. <i>Quaternary Science Reviews</i> , 2010, 29, 774-786.	3.0	66
12	Holocene climate of the Kola Peninsula; evidence from the oxygen isotope record of diatom silica. <i>Quaternary Science Reviews</i> , 2004, 23, 833-839.	3.0	65
13	Multi-isotope analysis reveals that feasts in the Stonehenge environs and across Wessex drew people and animals from throughout Britain. <i>Science Advances</i> , 2019, 5, eaau6078.	10.3	62
14	Shell growth and oxygen isotopes in the topshell <i>Osilinus turbinatus</i> : resolving past inshore sea surface temperatures. <i>Geo-Marine Letters</i> , 2008, 28, 309-325.	1.1	59
15	The Potential use of Silicon Isotope Composition of Biogenic Silica as a Proxy for Environmental Change. <i>Silicon</i> , 2009, 1, 65-77.	3.3	58
16	Orbital forcing of glacial/interglacial variations in chemical weathering and silicon cycling within the upper White Nile basin, East Africa: Stable-isotope and biomarker evidence from Lakes Victoria and Edward. <i>Quaternary Science Reviews</i> , 2015, 130, 57-71.	3.0	57
17	Diatom $\delta^{18}\text{O}$ evidence for the development of the modern halocline system in the subarctic northwest Pacific at the onset of major Northern Hemisphere glaciation. <i>Paleoceanography</i> , 2006, 21, n/a-n/a.	3.0	50
18	Silicon isotopes in Antarctic sponges: an interlaboratory comparison. <i>Antarctic Science</i> , 2011, 23, 34-42.	0.9	46

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19	Calibration of speleothem $\delta^{18}\text{O}$ with instrumental climate records from Turkey. <i>Global and Planetary Change</i> , 2010, 71, 207-217.	3.5	44
20	Towards an understanding of late Quaternary variations in the continental biogeochemical cycle of silicon: multi-isotope and sediment flux data for Lake Rutundu, Mt Kenya, East Africa, since 38 ka BP. <i>Journal of Quaternary Science</i> , 2008, 23, 375-387.	2.1	43
21	Direct evidence of fluid mixing in the formation of stratabound Pb-Zn-Ba-F mineralisation in the Alston Block, North Pennine Orefield (England). <i>Mineralium Deposita</i> , 2006, 41, 821-835.	4.1	41
22	Palaeo-seasonality of the last two millennia reconstructed from the oxygen isotope composition of carbonates and diatom silica from Nar Çayır, central Turkey. <i>Quaternary Science Reviews</i> , 2013, 66, 35-44.	3.0	41
23	Isotope offsets in marine diatom $\delta^{18}\text{O}$ over the last 200 ka. <i>Journal of Quaternary Science</i> , 2008, 23, 389-400.	2.1	39
24	A comparison of the palaeoclimate signals from diatom oxygen isotope ratios and carbonate oxygen isotope ratios from a low latitude crater lake. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005, 223, 290-302.	2.3	35
25	Diatom oxygen isotopes: Evidence of a species effect in the sediment record. <i>Geochemistry, Geophysics, Geosystems</i> , 2007, 8, n/a-n/a.	2.5	34
26	Reconstruction of late Pleistocene climate in the Valsequillo Basin (Central Mexico) through isotopic analysis of terrestrial and freshwater snails. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 319-320, 16-27.	2.3	34
27	Comparisons of observed and modelled lake $\delta^{18}\text{O}$ variability. <i>Quaternary Science Reviews</i> , 2016, 131, 329-340.	3.0	34
28	Strontium and oxygen isotope evidence for the origin and movement of cattle at Late Neolithic Durrington Walls, UK. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 5181-5197.	1.8	27
29	Reconstructing hydrological variability in Lake Baikal during MIS 11: an application of oxygen isotope analysis of diatom silica. <i>Journal of Quaternary Science</i> , 2008, 23, 365-374.	2.1	26
30	Diagenesis of fossil ostracods: Implications for stable isotope based palaeoenvironmental reconstruction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 305, 150-161.	2.3	24
31	A geochemical method for removing the effect of tephra on lake diatom oxygen isotope records. <i>Journal of Paleolimnology</i> , 2007, 37, 499-516.	1.6	23
32	A 500 yr speleothem-derived reconstruction of late autumn-winter precipitation, northeast Turkey. <i>Quaternary Research</i> , 2011, 75, 399-405.	1.7	23
33	The effects of organic removal treatment on the integrity of $\delta^{18}\text{O}$ measurements from biogenic silica. <i>Journal of Paleolimnology</i> , 2007, 37, 491-497.	1.6	22
34	Atlantic overturning circulation and Agulhas leakage influences on southeast Atlantic upper ocean hydrography during marine isotope stage 11. <i>Paleoceanography</i> , 2010, 25, .	3.0	22
35	Modern and early-middle Holocene shells of the freshwater mollusc <i>Unio</i> , from 14k in the Konya Basin, Turkey: preliminary palaeoclimatic implications from molluscan isotope data. <i>Journal of Archaeological Science</i> , 2012, 39, 76-83.	2.4	21
36	The palaeohydrological evolution of Lago Chungar (Andean Altiplano, northern Chile) during the Lateglacial and early Holocene using oxygen isotopes in diatom silica. <i>Journal of Quaternary Science</i> , 2008, 23, 351-363.	2.1	20

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37	Shifts in precipitation during the last millennium in northern Scandinavia from lacustrine isotope records. <i>Quaternary Science Reviews</i> , 2013, 66, 22-34.	3.0	19
38	Biogeochemical processes controlling oxygen and carbon isotopes of diatom silica in Late Glacial to Holocene lacustrine rhythmites. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 299, 413-425.	2.3	17
39	Isotopic evidence of cool winter conditions in the mid-Piacenzian (Pliocene) of the southern North Sea Basin. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 309, 9-16.	2.3	16
40	Mid-Holocene sea surface conditions and riverine influence on the inshore Great Barrier Reef. <i>Holocene</i> , 2014, 24, 885-897.	1.7	16
41	Post-mortem oxygen isotope exchange within cultured diatom silica. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1749-1760.	1.5	15
42	The effect of species on lacustrine $\delta^{18}\text{O}_{\text{diatom}}$ and its implications for palaeoenvironmental reconstructions. <i>Journal of Quaternary Science</i> , 2014, 29, 393-400.	2.1	14
43	An experiment to assess the effects of diatom dissolution on oxygen isotope ratios. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 293-300.	1.5	13
44	A veritable confusion: use and abuse of isotope analysis in archaeology. <i>Archaeological Journal</i> , 2021, 178, 361-385.	0.6	13
45	Effects of active silicon uptake by rice on ^{29}Si fractionation in various plant parts. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2398-2402.	1.5	11
46	Climate, catchment runoff and limnological drivers of carbon and oxygen isotope composition of diatom frustules from the central Andean Altiplano during the Lateglacial and Early Holocene. <i>Quaternary Science Reviews</i> , 2013, 66, 64-73.	3.0	11
47	Understanding the transfer of contemporary temperature signals into lake sediments via paired oxygen isotope ratios in carbonates and diatom silica: Problems and potential. <i>Chemical Geology</i> , 2020, 552, 119705.	3.3	10
48	High-resolution diatom $\delta^{18}\text{O}$ records, from the last 150 years, reflecting changes in amount of winter precipitation in two sub-Arctic high-altitude lakes in the Swedish Scandes. <i>Journal of Quaternary Science</i> , 2010, 25, 918-930.	2.1	9
49	The relationship between the phosphate and structural carbonate fractionation of fallow deer bioapatite in tooth enamel. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 151-164.	1.5	7
50	Oxygen isotope analysis of carbonates in the calcite-dolomite-magnesite solid-solution by high-temperature pyrolysis: initial results. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1703-1713.	1.5	6
51	Fluid inclusion and stable isotope studies at Gunung Limbung Cu/Pb/Zn deposit, west Java. <i>Journal of Southeast Asian Earth Sciences</i> , 1994, 10, 25-38.	0.2	2