

Daniel B. Nelson

List of Publications by Year in descending order

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42
papers

1,565
citations

394421

19
h-index

315739

38
g-index

47
all docs

47
docs citations

47
times ranked

2328
citing authors

#	ARTICLE	IF	CITATIONS
1	A first assessment of the impact of the extreme 2018 summer drought on Central European forests. <i>Basic and Applied Ecology</i> , 2020, 45, 86-103.	2.7	482
2	A 2,300-year-long annually resolved record of the South American summer monsoon from the Peruvian Andes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8583-8588.	7.1	227
3	1,500-year quantitative reconstruction of winter precipitation in the Pacific Northwest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 11619-11623.	7.1	75
4	Cryogenic vacuum artifacts do not affect plant water uptake studies using stable isotope analysis. <i>Ecohydrology</i> , 2017, 10, e1892.	2.4	67
5	Drought variability in the Pacific Northwest from a 6,000-yr lake sediment record. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3870-3875.	7.1	62
6	Last glacial maximum equilibrium-line altitude and paleo-temperature reconstructions for the Cordillera de Mérida, Venezuelan Andes. <i>Quaternary Research</i> , 2007, 67, 115-127.	1.7	52
7	Abrupt Younger Dryas cooling in the northern tropics recorded in lake sediments from the Venezuelan Andes. <i>Earth and Planetary Science Letters</i> , 2010, 293, 154-163.	4.4	52
8	Galápagos hydroclimate of the Common Era from paired microalgal and mangrove biomarker $\delta^2\text{H}$ / $\delta^1\text{H}$ values. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3476-3481.	7.1	36
9	Rapid atmospheric transport and large-scale deposition of recently synthesized plant waxes. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 222, 599-617.	3.9	36
10	Ocean-atmosphere forcing of centennial hydroclimate variability in the Pacific Northwest. <i>Geophysical Research Letters</i> , 2014, 41, 2553-2560.	4.0	33
11	Late Quaternary deglacial history of the Mérida Andes, Venezuela. <i>Journal of Quaternary Science</i> , 2005, 20, 801-812.	2.1	32
12	Precipitation isotope time series predictions from machine learning applied in Europe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	31
13	The influence of salinity on D/H fractionation in dinosterol and brassicasterol from globally distributed saline and hypersaline lakes. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 133, 325-339.	3.9	30
14	Lacustrine stable isotope record of precipitation changes in Nicaragua during the Little Ice Age and Medieval Climate Anomaly. <i>Geology</i> , 2013, 41, 151-154.	4.4	29
15	Do $\delta^2\text{H}$ and $\delta^{18}\text{O}$ in leaf water reflect environmental drivers differently?. <i>New Phytologist</i> , 2022, 235, 41-51.	7.3	29
16	Oxygen isotope records of Holocene climate variability in the Pacific Northwest. <i>Quaternary Science Reviews</i> , 2016, 142, 40-60.	3.0	28
17	Isotopic and hydrologic responses of small, closed lakes to climate variability: Comparison of measured and modeled lake level and sediment core oxygen isotope records. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 105, 455-471.	3.9	25
18	Sources and abundances of leaf waxes in aerosols in central Europe. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 198, 299-314.	3.9	24

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19	The influence of salinity on D/H fractionation in alkenones from saline and hypersaline lakes in continental North America. <i>Organic Geochemistry</i> , 2014, 66, 38-47.	1.8	21
20	Lipid compound classes display diverging hydrogen isotope responses in lakes along a nutrient gradient. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 237, 103-119.	3.9	18
21	Leaf Wax Hydrogen Isotopes as a Hydroclimate Proxy in the Tropical Pacific. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2020JG005891.	3.0	16
22	Concurrent purification of sterols, triterpenols and alkenones from sediments for hydrogen isotope analysis using high performance liquid chromatography. <i>Organic Geochemistry</i> , 2013, 64, 19-28.	1.8	15
23	Tropical ocean-atmospheric forcing of Late Glacial and Holocene glacier fluctuations in the Cordillera Blanca, Peru. <i>Geophysical Research Letters</i> , 2017, 44, 4176-4185.	4.0	15
24	A stable isotope record of Holocene precipitation dynamics in the Baltic region from Lake Nuudsaku, Estonia. <i>Quaternary Science Reviews</i> , 2017, 175, 73-84.	3.0	14
25	Reconstructing precipitation in the tropical South Pacific from dinosterol 2H/1H ratios in lake sediment. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 190-206.	3.9	14
26	Limnological Characterization of Volcanic Crater Lakes on Uvea Island (Wallis and Futuna, South) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>	0.6	12
27	Using plant physiological stable oxygen isotope models to counter food fraud. <i>Scientific Reports</i> , 2021, 11, 17314.	3.3	12
28	Lake sediment records of Holocene hydroclimate and impacts of the Mount Mazama eruption, north-central Washington, USA. <i>Quaternary Science Reviews</i> , 2019, 204, 17-36.	3.0	11
29	Interhemispheric antiphasing of neotropical precipitation during the past millennium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2120015119.	7.1	11
30	Species variation in the hydrogen isotope composition of leaf cellulose is mostly driven by isotopic variation in leaf sucrose. <i>Plant, Cell and Environment</i> , 2022, 45, 2636-2651.	5.7	11
31	Metabolic exchange between pathways for isoprenoid synthesis and implications for biosynthetic hydrogen isotope fractionation. <i>New Phytologist</i> , 2021, 231, 1708-1719.	7.3	10
32	Impact of drill core contamination on compound-specific carbon and hydrogen isotopic signatures. <i>Organic Geochemistry</i> , 2019, 128, 161-171.	1.8	6
33	Effects of climate variability on mercury deposition during the Older Dryas and Younger Dryas in the Venezuelan Andes. <i>Journal of Paleolimnology</i> , 2020, 63, 211-224.	1.6	6
34	Paleoenvironmental and paleoclimatic variations around Lake Van (Eastern Turkey) recorded by sedimentary source specific biomarkers 250±130 ka (MIS7 and MIS6). <i>Quaternary Science Reviews</i> , 2019, 225, 105997.	3.0	5
35	Constraining parameter uncertainty for predicting oxygen and hydrogen isotope values in fruit. <i>Journal of Experimental Botany</i> , 2022, 73, 5016-5032.	4.8	5
36	Contrasting Common Era climate and hydrology sensitivities from paired lake sediment dinosterol hydrogen isotope records in the South Pacific Convergence Zone. <i>Quaternary Science Reviews</i> , 2022, 281, 107421.	3.0	4

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37	Reply: Late Quaternary deglacial history of the MÃ©rida Andes, Venezuela: response to comment. <i>Journal of Quaternary Science</i> , 2007, 22, 823-825.	2.1	3
38	Hydrogen isotope fractionation in algae: III. Theoretical interpretations. <i>Organic Geochemistry</i> , 2014, 75, 1-7.	1.8	3
39	Holocene Closure of Lib Pond, Marshall Islands. <i>PLoS ONE</i> , 2014, 9, e90939.	2.5	1
40	Effects of phenotypic variability on the oxygen and hydrogen isotope compositions of grains in different winter wheat varieties. <i>Isotopes in Environmental and Health Studies</i> , 2022, 58, 60-80.	1.0	1
41	A 5000-year lacustrine sediment oxygen isotope record of late Holocene climate change in Newfoundland, Canada. <i>Quaternary Science Reviews</i> , 2022, 278, 107376.	3.0	1
42	A Late Holocene Stable Isotope and Carbon Accumulation Record from Teringi Bog in Southern Estonia. <i>Quaternary</i> , 2022, 5, 8.	2.0	0