

# Daniel B. Nelson

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | 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         |
| 2  | 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         |
| 3  | A Late Holocene Stable Isotope and Carbon Accumulation Record from Teringi Bog in Southern Estonia. <i>Quaternary</i> , 2022, 5, 8.  | 2.0 | 0         |
| 4  | Do <sup>2</sup> H and <sup>18</sup> O in leaf water reflect environmental drivers differently?. <i>New Phytologist</i> , 2022, 235, 41-51.   | 7.3 | 29        |
| 5  | 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         |
| 6  | 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        |
| 7  | 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         |
| 8  | 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        |
| 9  | 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        |
| 10 | 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        |
| 11 | 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        |
| 12 | Using plant physiological stable oxygen isotope models to counter food fraud. <i>Scientific Reports</i> , 2021, 11, 17314.   | 3.3 | 12        |
| 13 | 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         |
| 14 | 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       |
| 15 | Paleoenvironmental and paleoclimatic variations around Lake Van (Eastern Turkey) recorded by sedimentary source specific biomarkers 250â€“130 ka (MIS7 and MIS6). <i>Quaternary Science Reviews</i> , 2019, 225, 105997. | 3.0 | 5         |
| 16 | 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        |
| 17 | Impact of drill core contamination on compound-specific carbon and hydrogen isotopic signatures. <i>Organic Geochemistry</i> , 2019, 128, 161-171.   | 1.8 | 6         |
| 18 | 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        |

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|----|---|-----|-----------|
| 19 | 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        |
| 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 | 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        |
| 22 | 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        |
| 23 | Cryogenic vacuum artifacts do not affect plant water uptake studies using stable isotope analysis. <i>Ecohydrology</i> , 2017, 10, e1892.   | 2.4 | 67        |
| 24 | Sources and abundances of leaf waxes in aerosols in central Europe. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 198, 299-314.  | 3.9 | 24        |
| 25 | Oxygen isotope records of Holocene climate variability in the Pacific Northwest. <i>Quaternary Science Reviews</i> , 2016, 142, 40-60.  | 3.0 | 28        |
| 26 | 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        |
| 27 | Holocene Closure of Lib Pond, Marshall Islands. <i>PLoS ONE</i> , 2014, 9, e90939.  | 2.5 | 1         |
| 28 | 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        |
| 29 | 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        |
| 30 | Limnological Characterization of Volcanic Crater Lakes on Uvea Island (Wallis and Futuna, South) $\delta^2\text{H}$ / $\delta^1\text{H}$ Overlook 10 Tf 50  | 0.6 | 12        |
| 31 | Hydrogen isotope fractionation in algae: III. Theoretical interpretations. <i>Organic Geochemistry</i> , 2014, 75, 1-7.   | 1.8 | 3         |
| 32 | Ocean-atmosphere forcing of centennial hydroclimate variability in the Pacific Northwest. <i>Geophysical Research Letters</i> , 2014, 41, 2553-2560.  | 4.0 | 33        |
| 33 | 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        |
| 34 | 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        |
| 35 | 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        |
| 36 | 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        |

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|----|---|-----|-----------|
| 37 | 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       |
| 38 | 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        |
| 39 | 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        |
| 40 | 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         |
| 41 | Last glacial maximum equilibrium-line altitude and paleo-temperature reconstructions for the Cordillera de MÃ©rida, Venezuelan Andes. <i>Quaternary Research</i> , 2007, 67, 115-127.                                   | 1.7 | 52        |
| 42 | Late Quaternary deglacial history of the MÃ©rida Andes, Venezuela. <i>Journal of Quaternary Science</i> , 2005, 20, 801-812.  | 2.1 | 32        |