

# Jeffrey M Heikoop

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,936  
citations

236612

25  
h-index

243296

44  
g-index

45  
all docs

45  
docs citations

45  
times ranked

2752  
citing authors

| #  | ARTICLE                                                                                                                                                                                                             | IF  | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Age and chemistry of dissolved organic carbon reveal enhanced leaching of ancient labile carbon at the permafrost thaw zone. <i>Biogeosciences</i> , 2022, 19, 1211-1223.                                           | 1.3 | 2         |
| 2  | High nitrate variability on an Alaskan permafrost hillslope dominated by alder shrubs. <i>Cryosphere</i> , 2022, 16, 1889-1901.                                                                                     | 1.5 | 3         |
| 3  | Increased Arctic NO <sub>3</sub> <sup>-</sup> Availability as a Hydrogeomorphic Consequence of Permafrost Degradation and Landscape Drying. <i>Nitrogen</i> , 2022, 3, 314-332.                                     | 0.6 | 1         |
| 4  | The geologic history of seawater oxygen isotopes from marine iron oxides. <i>Science</i> , 2019, 365, 469-473.                                                                                                      | 6.0 | 81        |
| 5  | Stimulation of anaerobic organic matter decomposition by subsurface organic N addition in tundra soils. <i>Soil Biology and Biochemistry</i> , 2019, 130, 195-204.                                                  | 4.2 | 13        |
| 6  | Carbon use efficiency diagnostics in <i>Nannochloropsis salina</i> . <i>Algal Research</i> , 2018, 31, 40-46.                                                                                                       | 2.4 | 1         |
| 7  | Oil and gas produced water as a growth medium for microalgae cultivation: A review and feasibility analysis. <i>Algal Research</i> , 2017, 24, 492-504.                                                             | 2.4 | 36        |
| 8  | Se Isotopes as Groundwater Redox Indicators: Detecting Natural Attenuation of Se at an in Situ Recovery U Mine. <i>Environmental Science &amp; Technology</i> , 2016, 50, 10833-10842.                              | 4.6 | 13        |
| 9  | Uranium isotope composition of waters from South Texas uranium ore deposits. <i>Chemical Geology</i> , 2016, 437, 44-55.                                                                                            | 1.4 | 15        |
| 10 | Isotopic Evidence for Reductive Immobilization of Uranium Across a Roll-Front Mineral Deposit. <i>Environmental Science &amp; Technology</i> , 2016, 50, 6189-6198.                                                 | 4.6 | 34        |
| 11 | Active layer hydrology in an arctic tundra ecosystem: quantifying water sources and cycling using water stable isotopes. <i>Hydrological Processes</i> , 2016, 30, 4972-4986.                                       | 1.1 | 68        |
| 12 | Pathways and transformations of dissolved methane and dissolved inorganic carbon in Arctic tundra watersheds: Evidence from analysis of stable isotopes. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1893-1910. | 1.9 | 30        |
| 13 | Microtopographic and depth controls on active layer chemistry in Arctic polygonal ground. <i>Geophysical Research Letters</i> , 2015, 42, 1808-1817.                                                                | 1.5 | 44        |
| 14 | Isotopic identification of soil and permafrost nitrate sources in an Arctic tundra ecosystem. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1000-1017.                                      | 1.3 | 22        |
| 15 | Quantifying uncertainty in stable isotope mixing models. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 903-923.                                                                             | 1.3 | 43        |
| 16 | Isotopic and Geochemical Tracers for U(VI) Reduction and U Mobility at an in Situ Recovery U Mine. <i>Environmental Science &amp; Technology</i> , 2015, 49, 5939-5947.                                             | 4.6 | 47        |
| 17 | Characterization of cores from an in-situ recovery mined uranium deposit in Wyoming: Implications for post-mining restoration. <i>Chemical Geology</i> , 2014, 390, 32-45.                                          | 1.4 | 30        |
| 18 | Isotopic evidence for reduction of anthropogenic hexavalent chromium in Los Alamos National Laboratory groundwater. <i>Chemical Geology</i> , 2014, 373, 1-9.                                                       | 1.4 | 24        |

| #  | ARTICLE                                                                                                                                                                                         | IF   | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Assessing the strength of the monsoon during the late Pleistocene in southwestern United States. <i>Quaternary Science Reviews</i> , 2014, 103, 81-90.                                          | 1.4  | 6         |
| 20 | Estimates of dietary overlap for six species of Amazonian manakin birds using stable isotopes. <i>Isotopes in Environmental and Health Studies</i> , 2013, 49, 420-435.                         | 0.5  | 8         |
| 21 | Extended megadroughts in the southwestern United States during Pleistocene interglacials. <i>Nature</i> , 2011, 470, 518-521.                                                                   | 13.7 | 124       |
| 22 | Stepwise inversion of a groundwater flow model with multi-scale observation data. <i>Hydrogeology Journal</i> , 2010, 18, 607-624.                                                              | 0.9  | 29        |
| 23 | A 15 000-year record of climate change in northern New Mexico, USA, inferred from isotopic and elemental contents of bog sediments. <i>Journal of Quaternary Science</i> , 2010, 25, 1001-1007. | 1.1  | 7         |
| 24 | Chlorine-36 as a Tracer of Perchlorate Origin. <i>Environmental Science &amp; Technology</i> , 2009, 43, 6934-6938.                                                                             | 4.6  | 52        |
| 25 | Pretreatment technique for siderite removal for organic carbon isotope and C:N ratio analysis in geological samples. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 865-872.      | 0.7  | 34        |
| 26 | Development of the mixed conifer forest in northern New Mexico and its relationship to Holocene environmental change. <i>Quaternary Research</i> , 2008, 69, 263-275.                           | 1.0  | 38        |
| 27 | Coral microbial communities, zooxanthellae and mucus along gradients of seawater depth and coastal pollution. <i>Environmental Microbiology</i> , 2007, 9, 1291-1305.                           | 1.8  | 118       |
| 28 | Stable isotope dynamics of nitrogen sewage effluent uptake in a semi-arid wetland. <i>Environmental Pollution</i> , 2006, 140, 500-505.                                                         | 3.7  | 13        |
| 29 | A benthic survey of Aliwal Shoal and assessment of the effects of a wood pulp effluent on the reef. <i>Marine Pollution Bulletin</i> , 2006, 52, 503-514.                                       | 2.3  | 12        |
| 30 | Bacterial communities inhabiting the healthy tissues of two Caribbean reef corals: interspecific and spatial variation. <i>Coral Reefs</i> , 2005, 24, 129-137.                                 | 0.9  | 60        |
| 31 | Skeletal Mg/Ca in <i>Primnoa resedaeformis</i> : relationship to temperature?. , 2005, , 1061-1079.                                                                                             |      | 11        |
| 32 | Stable isotopic composition of deep-sea gorgonian corals <i>Primnoa</i> spp.: a new archive of surface processes. <i>Marine Ecology - Progress Series</i> , 2005, 301, 135-148.                 | 0.9  | 83        |
| 33 | Smoke signals from corals: isotopic signature of the 1997 Indonesian "haze" event. <i>Marine Geology</i> , 2003, 202, 71-78.                                                                    | 0.9  | 19        |
| 34 | Modern and Palaeozoic iron ooids—a similar volcanic origin. <i>Sedimentary Geology</i> , 2000, 136, 137-146.                                                                                    | 1.0  | 75        |
| 35 | Nitrogen-15 Signals of Anthropogenic Nutrient Loading in Reef Corals. <i>Marine Pollution Bulletin</i> , 2000, 40, 628-636.                                                                     | 2.3  | 101       |
| 36 | Normal Coral Growth Rates on Dying Reefs: Are Coral Growth Rates Good Indicators of Reef Health?. <i>Marine Pollution Bulletin</i> , 2000, 40, 404-425.                                         | 2.3  | 258       |

| #  | ARTICLE                                                                                                                                                                                                    | IF  | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | $\delta^{15}\text{N}$ and $\delta^{13}\text{C}$ of coral tissue show significant inter-reef variation. <i>Coral Reefs</i> , 2000, 19, 189-193.                                                             | 0.9 | 45        |
| 38 | Separation of kinetic and metabolic isotope effects in carbon-13 records preserved in reef coral skeletons. <i>Geochimica Et Cosmochimica Acta</i> , 2000, 64, 975-987.                                    | 1.6 | 81        |
| 39 | Cross-continental shelf trends in coral $\delta^{15}\text{N}$ on the Great Barrier Reef: further consideration of the reef nutrient paradox. <i>Marine Ecology - Progress Series</i> , 1999, 180, 131-138. | 0.9 | 72        |
| 40 | Relationship between light and the $\delta^{15}\text{N}$ of coral tissue: Examples from Jamaica and Zanzibar. <i>Limnology and Oceanography</i> , 1998, 43, 909-920.                                       | 1.6 | 69        |
| 41 | Corals as Proxy Recorders of Volcanic Activity: Evidence from Banda Api, Indonesia. <i>Palaios</i> , 1996, 11, 286.                                                                                        | 0.6 | 19        |
| 42 | Effects of volcanic ashfall recorded in ancient marine benthic communities: comparison of a nearshore and an offshore environment. <i>Lethaia</i> , 1996, 29, 125-139.                                     | 0.6 | 24        |
| 43 | Sulfite radicals in banded coral. <i>Applied Radiation and Isotopes</i> , 1996, 47, 1437-1441.                                                                                                             | 0.7 | 6         |
| 44 | Modern iron ooids from a shallow-marine volcanic setting: Mahengetang, Indonesia. <i>Geology</i> , 1996, 24, 759.                                                                                          | 2.0 | 62        |