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**Critique: measuring hydrogen stable isotope abundance of proteins to infer origins of wildlife, food and people**

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#	Paper	IF	Citations
66	Correlation of geographical location with stable isotope values of hydrogen and carbon of fatty acids from New Zealand milk and bulk milk powder. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 8914-23	5.7	33
65	Recognizing the potential pitfalls of hydrogen isotopic analysis of keratins with steam equilibration to infer origins of wildlife, food, and people. <i>Rapid Communications in Mass Spectrometry</i> , <b>2013</b> , 27, 2569 <sup>2.2</sup>	2.2	9
64	Discrimination of unprocessed cotton on the basis of geographic origin using multi-element stable isotope signatures. <i>Rapid Communications in Mass Spectrometry</i> , <b>2014</b> , 28, 545-52	2.2	12
63	Ignoring IUPAC guidelines for measurement and reporting of stable isotope abundance values affects us all. <i>Rapid Communications in Mass Spectrometry</i> , <b>2014</b> , 28, 1953-5	2.2	34
62	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> , <b>2014</b> , 133, 325-339	5.5	27
61	Comparison of methods for stable isotope ratio ( $\delta^{13}\text{C}$ , $\delta^{15}\text{N}$ , $\delta^2\text{H}$ , $\delta^{18}\text{O}$ ) measurements of feathers. <i>Methods in Ecology and Evolution</i> , <b>2014</b> , 5, 363-371	7.7	12
60	Connecting breeding and wintering grounds of Neotropical migrant songbirds using stable hydrogen isotopes: a call for an isotopic atlas of migratory connectivity. <i>Journal of Field Ornithology</i> , <b>2014</b> , 85, 237-257	0.9	68
59	On the use of stable oxygen isotope ( $\delta^{18}\text{O}$ ) measurements for tracking avian movements in North America. <i>Ecology and Evolution</i> , <b>2015</b> , 5, 799-806	2.8	40
58	Stable isotope ratios of hydrogen separate mammals of aquatic and terrestrial food webs. <i>Methods in Ecology and Evolution</i> , <b>2015</b> , 6, 1332-1340	7.7	17
57	Deuterium as a food source tracer: Sensitivity to environmental water, lipid content, and hydrogen exchange. <i>Limnology and Oceanography: Methods</i> , <b>2015</b> , 13, 213-223	2.6	20
56	A stable isotope approach to assessing water loss in fruits and vegetables during storage. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 1974-81	5.7	9
55	Hydrogen isotope measurement of bird feather keratin, one laboratory's response to evolving methodologies. <i>Isotopes in Environmental and Health Studies</i> , <b>2015</b> , 51, 214-30	1.5	2
54	Enriching the isotopic toolbox for migratory connectivity analysis: a new approach for migratory species breeding in remote or unexplored areas. <i>Diversity and Distributions</i> , <b>2015</b> , 21, 416-427	5	23
53	An online temperature-controlled vacuum-equilibration preparation system for the measurement of $\delta^2\text{H}$ values of non-exchangeable-H and of $\delta^{18}\text{O}$ values in organic materials by isotope-ratio mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2015</b> , 29, 397-407	2.2	31
52	Forensic Mass Spectrometry. <i>Annual Review of Analytical Chemistry</i> , <b>2015</b> , 8, 419-40	12.5	37
51	Dietary reconstruction, mobility, and the analysis of ancient skeletal tissues: Expanding the prospects of stable isotope research in archaeology. <i>Journal of Archaeological Science</i> , <b>2015</b> , 56, 146-158 <sup>2.9</sup>	2.9	162
50	A review of some recent studies on the stable isotope profiling of methylamphetamine: Is it a useful adjunct to conventional chemical profiling?. <i>Science and Justice - Journal of the Forensic Science Society</i> , <b>2015</b> , 55, 2-9	2	12

49	Advances in Isotopic Analysis for Food Authenticity Testing. <b>2016</b> , 227-252		6
48	Expanding the Isotopic Toolbox: Applications of Hydrogen and Oxygen Stable Isotope Ratios to Food Web Studies. <i>Frontiers in Ecology and Evolution</i> , <b>2016</b> , 4,	3.7	66
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44	Geographic origins and population genetics of bats killed at wind-energy facilities. <b>2016</b> , 26, 1381-1395		20
43	Limits and possibilities in the geolocation of humans using multiple isotope ratios (H, O, N, C) of hair from east coast cities of the USA. <i>Isotopes in Environmental and Health Studies</i> , <b>2016</b> , 52, 498-512	1.5	13
42	Best practices for calibrating and reporting stable isotope measurements in archaeology. <i>Journal of Archaeological Science: Reports</i> , <b>2017</b> , 13, 609-616	0.7	68
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37	Determining the geographical origin of Asian longhorn beetle ( <i>Anoplophora glabripennis</i> ) specimens using stable isotope and trace element analyses. <i>Pest Management Science</i> , <b>2017</b> , 73, 967-975	4.6	7
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33	Deuterium- and Tritium-Labelled Compounds: Applications in the Life Sciences. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 1758-1784	16.4	281
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29	An assessment of assumptions and uncertainty in deuterium-based estimates of terrestrial subsidies to aquatic consumers. <i>Ecology</i> , <b>2018</b> , 99, 1073-1088	4.6	14
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27	Using $\delta\text{H}$ in Human Bone Collagen to Correct for Freshwater $^{14}\text{C}$ Reservoir Offsets: A Pilot Study from Shamanka II, Lake Baikal, Southern Siberia. <i>Radiocarbon</i> , <b>2018</b> , 60, 1521-1532	4.6	5
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