

# ARC2130 / ARCM130

Discovering the Past with Molecular Science

View Online



1.  
Ambrose SH, Krigbaum J. Bone chemistry and bioarchaeology. *Journal of Anthropological Archaeology* [Internet]. 2003;22(3):193–199. Available from:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000185269100002&site=eds-live&scope=site>
  
2.  
Bentley RA. Strontium Isotopes from the Earth to the Archaeological Skeleton: A Review. *Journal of Archaeological Method and Theory* [Internet]. 2006;13(3):135–187. Available from:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edsjsr&AN=edsjsr.20177538&site=eds-live&scope=site>
  
3.  
*World Archaeology: Stable Isotopes*. 2013;45(3). Available from:  
<https://uoelibrary.idm.oclc.org/login?url=http://www.tandfonline.com/toc/rwar20/45/3?nav=toCList>
  
4.  
Evershed RP. Organic residue analysis in archaeology: the archaeological biomarker revolution. *Archaeometry* [Internet]. 2008;50(6):895–924. Available from:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000261215800001&site=eds-live&scope=site>
  
- 5.

López Varela SL, editor. The Encyclopedia of Archaeological Sciences [Internet]. [Hoboken, NJ]: Wiley-Blackwell; 2019. Available from:  
[https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991008570939707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991008570939707446&context=L&vid=44UOEX_INST:default)

6.

MacHugh DE, Larson G, Orlando L. Taming the Past: Ancient DNA and the Study of Animal Domestication. Annual Review Of Animal Biosciences [Internet]. 2017;5(1):329–351. Available from:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=cmedm&AN=27813680&site=eds-live&scope=site>

7.

Matisoo-Smith L, Horsburgh KA. DNA for Archaeologists [Internet]. Walnut Creek, Calif: Left Coast Press; 2012. Available from:  
[https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991005657969707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991005657969707446&context=L&vid=44UOEX_INST:default)

8.

Pollard AM, Batt CM, Stern B, Young SMM. Analytical Chemistry in Archaeology [Internet]. Cambridge: Cambridge University Press; 2007. Available from:  
[https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991003205709707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991003205709707446&context=L&vid=44UOEX_INST:default)

9.

Brothwell DR, Pollard AM. Handbook of archaeological sciences. Chichester: Wiley; 2001.

10.

Brown TA, Brown K. Biomolecular archaeology: an introduction. Chichester: Wiley-Blackwell; 2011.

11.

Eriksson G. Chapter: The Nature of the Evidence - Stable Isotope Analysis of Humans. The

Oxford Handbook of the Archaeology of Death and Burial [Internet]. 2013. p. 123–146. Available from: [https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991000047109707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991000047109707446&context=L&vid=44UOEX_INST:default)

12.

Kohn MJ, Cerling TE. Stable Isotope Compositions of Biological Apatite. *Reviews in Mineralogy and Geochemistry* [Internet]. 2002;48(1):455–488. Available from: <https://contentstore.cla.co.uk/secure/link?id=a37286b7-c2e9-e911-80cd-005056af4099>

13.

Lee-Thorp JA. On Isotopes and Old Bones. *Archaeometry* [Internet]. 2008;50(6):925–950. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000261215800002&site=eds-live&scope=site>

14.

Leng MJ. *Isotopes in palaeoenvironmental research* [Internet]. Dordrecht: Springer; 2006. Available from: [https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991002164799707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991002164799707446&context=L&vid=44UOEX_INST:default)

15.

Orlando L, Gilbert MT, Willerslev E. Reconstructing Ancient Genomes and Epigenomes. *Nature Reviews Genetics* [Internet]. 2015;16(7):395–408. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=cmedm&AN=26055157&site=eds-live&scope=site>

16.

Pearson MP, Chamberlain AJ, Richards M, Sheridan M, Curtis A, Evans N, Gibson J, Hutchison A, Mahoney M, Marshall P, Montgomery P, Needham J, O'Mahoney S, Pellegrini S, MauraWilkin N. Beaker People in Britain: Migration, Mobility and Diet. *Antiquity* [Internet]. 2016;90(351):620–637. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000376691400005&site=eds-live&scope=site>

17.

Price TD, Arcini C, Gustin I, Drenzel L, Kalmring S. Isotopes and Human Burials at Viking Age Birka and the Malaren Region, East Central Sweden. *Journal of Anthropological Archaeology* [Internet]. 2018;49:19–38. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswss&AN=000428603500003&site=eds-live&scope=site>

18.

Schoeninger MJ. Stable Isotope Analyses and the Evolution of Human Diets. *Annual Review of Anthropology* [Internet]. 2014;43(1):413–430. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswss&AN=000348430900027&site=eds-live&scope=site>

19.

English Heritage. Organic Residue Analysis and Archaeology | English Heritage [Internet]. Historic England; Available from: <https://historicengland.org.uk/images-books/publications/organic-residue-analysis-and-archaeology/>

20.

Janet Montgomery - Isotope Analysis of Skeletons - YouTube [Internet]. Available from: <https://www.youtube.com/watch?v=gJZQIXPxueU>

21.

Ambrose SH, Krigbaum J. Bone chemistry and bioarchaeology [in] *Journal of Anthropological Archaeology*. *Journal of Anthropological Archaeology* [Internet]. 2003;22(3):193–199. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000185269100002&site=eds-live&scope=site>

22.

Evershed RP. Organic residue analysis in archaeology: the archaeological biomarker revolution. *Archaeometry* [Internet]. 2008;50(6):895–924. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000261215800001&site=eds-live&scope=site>

23.

Kendall C, Eriksen AM, Kontopoulos I, Collins M, Turner-Walker G. Diagenesis of Archaeological Bone and Tooth. *Palaeogeography, Palaeoclimatology, Palaeoecology* [Internet]. 2018;491:21–37. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0031018217305898&site=eds-live&scope=site>

24.

Lamb AL. Stable Isotope Analysis of Soft Tissues From Mummified Human Remains. *Environmental Archaeology* [Internet]. 2016;21(3):271–284. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=eih&AN=116526716&site=eds-live&scope=site>

25.

Ramsey CB. Radiocarbon Dating: Revolutions in Understanding. *Archaeometry* [Internet]. 2008;50(2):249–275. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000254272200005&site=eds-live&scope=site>

26.

Muccio Z, Jackson GP. Isotope Ratio Mass Spectrometry. *Analyst* [Internet]. 2009;134(2):213–222. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=asx&AN=36278472&site=eds-live&scope=site>

27.

Peterson BJ, Fry B. Stable Isotopes in Ecosystem Studies. *Annual Review of Ecology and*

Systematics [Internet]. 1987;18(1):293–320. Available from:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edsjsr&AN=edsjsr.2097134&site=eds-live&scope=site>

28.

Stern B, Pollard AM, Batt CM, Young SMM. Analytical Chemistry in Archaeology [Internet]. 2007. Available from:  
[https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991003205709707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991003205709707446&context=L&vid=44UOEX_INST:default)

29.

Pollard M, Batt C, Stern B, Young SMM. Chapter 10: Atoms, Isotopes, Electron Orbitals and the Periodic Table. Analytical chemistry in archaeology [Internet]. Cambridge: Cambridge University Press; 2007. Available from:  
[https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991003205709707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991003205709707446&context=L&vid=44UOEX_INST:default)

30.

Schoeninger MJ. Stable Isotope Studies in Human Evolution. Evolutionary Anthropology: Issues, News and Reviews [Internet]. 1995;4(3):83–98. Available from:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edb&AN=91392022&site=eds-live&scope=site>

31.

Michener RH, Lajtha K. Stable Isotopes in Ecology and Environmental Science [Internet]. 2nd ed. Oxford: Blackwell; 2007. Available from:  
[https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991000159059707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991000159059707446&context=L&vid=44UOEX_INST:default)

32.

Richards MP, Hedges REM, Stevens RE. Bone as a Stable Isotope Archive for Local Climatic Information. Quaternary Science Reviews [Internet]. 2004;23(7):959–965. Available from:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0277379104000204&site=eds-live&scope=site>

33.

Hedges REM, Stevens RE, Koch PL. Isotopes in Bones and Teeth. *Isotopes in Palaeoenvironmental Research* [Internet]. Dordrecht: Springer; 2006. p. 117–145. Available from:  
[https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991002164799707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991002164799707446&context=L&vid=44UOEX_INST:default)

34.

Lee-Thorp JA. On Isotopes and Old Bones. *Archaeometry* [Internet]. 2008;50(6):925–950. Available from:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000261215800002&site=eds-live&scope=site>

35.

Nehlich O. The Application of Sulphur Isotope Analyses in Archaeological Research: A Review. *Earth-Science Reviews* [Internet]. 2015;142(Supplement C):1–17. Available from:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0012825214002220&site=eds-live&scope=site>

36.

Barrett JH, Orton D, Johnstone C, Harland J, Van Neer W, Ervynck A, Roberts C, Locker A, Amundsen C, Enghoff IB, Hamilton-Dyer S, Heinrich D, Hufthammer AK, Jones AKG, Jonsson L, Makowiecki D, Pope P, O'Connell TC, de Roo T, Richards M. Interpreting the expansion of sea fishing in medieval Europe using stable isotope analysis of archaeological cod bones. *Journal of Archaeological Science* [Internet]. 2011;38(7):1516–1524. Available from:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0305440311000562&site=eds-live&scope=site>

37.

Cook GT, Bonsall C, Hedges REM, McSweeney K, Boronean V, Pettitt PB. A Freshwater Diet-Derived <sup>14</sup>C Reservoir Effect at the Stone Age Sites in the Iron Gates Gorge. *Radiocarbon* [Internet]. 2001;43(2A):453–460. Available from:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edb&AN=70321790&site=eds-live&scope=site>

38.

Clementz MT, Fox-Dobbs K, Wheatley PV, Koch PL, Doak DF. Revisiting old bones: coupled carbon isotope analysis of bioapatite and collagen as an ecological and palaeoecological tool. *Geological Journal* [Internet]. 2009;44(5):605–620. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswss&AN=000270079300006&site=eds-live&scope=site>

39.

Drucker DG, Naito YI, Péan S, Prat S, Crépin L, Chikaraishi Y, Ohkouchi N, Puaud S, Lázníčková-Galetová M, Patou-Mathis M, Yanevich A, Bocherens H. Isotopic analyses suggest mammoth and plant in the diet of the oldest anatomically modern humans from far southeast Europe. *Scientific Reports* [Internet]. 2017;7(1). Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswss&AN=000406610000084&site=eds-live&scope=site>

40.

Farquhar GD, Ehleringer JR, Hubick KT. Carbon Isotope Discrimination and Photosynthesis. *Annual Review of Plant Physiology and Plant Molecular Biology* [Internet]. 1989;40(1):503–537. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://www.annualreviews.org/doi/abs/10.1146/annurev.pp.40.060189.002443>

41.

Haydock H, Clarke L, Craig-Atkins E, Howcroft R, Buckberry J. Weaning at Anglo-Saxon raunds: Implications for changing breastfeeding practice in Britain over two millennia. *American Journal of Physical Anthropology* [Internet]. 2013;151(4):604–612. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswss&AN=000321975400012&site=eds-live&scope=site>

42.

Heaton THE. Spatial, Species, and Temporal Variations in the  $^{13}\text{C}/^{12}\text{C}$  Ratios of  $\text{C}_3$  Plants: Implications for Palaeodiet Studies. *Journal of Archaeological Science* [Internet]. 1999;26(6):637–649. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0305440398903818&site=eds-live&scope=site>



43.

Iacumin P, Davanzo S, Nikolaev V. Spatial and temporal variations in the  $^{13}\text{C}/^{12}\text{C}$  and  $^{15}\text{N}/^{14}\text{N}$  ratios of mammoth hairs: Palaeodiet and palaeoclimatic implications. *Chemical Geology* [Internet]. 2006;231(1–2):16–25. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0009254105005437&site=eds-live&scope=site>

44.

Jaouen K, Beasley M, Schoeninger M, Hublin J, Richards MP. Zinc isotope ratios of bones and teeth as new dietary indicators: results from a modern food web (Koobi Fora, Kenya). *Scientific Reports* [Internet]. 2016;6(26281). Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=cmedm&AN=27189145&site=eds-live&scope=site>

45.

Kohn MJ, Cerling TE. Stable Isotope Compositions of Biological Apatite. *Reviews in Mineralogy and Geochemistry* [Internet]. 2002;48(1):455–488. Available from: <https://contentstore.cla.co.uk/secure/link?id=a37286b7-c2e9-e911-80cd-005056af4099>

46.

Naito YI, Chikaraishi Y, Drucker DG, Ohkouchi N, Semal P, Wißing C, Bocherens H. Ecological niche of Neanderthals from Spy Cave revealed by nitrogen isotopes of individual amino acids in collagen. *Journal of Human Evolution* [Internet]. 2016;93:82–90. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0047248416000233&site=eds-live&scope=site>

47.

Muldner G, Richards M. Diet and Diversity at Later Medieval Fishergate: The Isotopic Evidence. *American Journal of Physical Anthropology* [Internet]. 2007;134(2):162–174. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true>

ue&db=asx&AN=26885841&site=eds-live&scope=site

48.

Richards M, Muidner G. Stable Isotope Evidence for 1500 Years of Human Diet at the City of York, UK. *American Journal of Physical Anthropology* [Internet]. 2007;133(1):682–697.

Available from:

<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=asx&AN=24894713&site=eds-live&scope=site>

49.

Pearson JA, Bogaard A, Charles M, Hillson SW, Larsen CS, Russell N, Twiss K. Stable carbon and nitrogen isotope analysis at Neolithic Çatalhöyük: evidence for human and animal diet and their relationship to households. *Journal of Archaeological Science* [Internet]. 2015;57(Supplement C):69–79. Available from:

2015;57(Supplement C):69–79. Available from:

<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0305440315000205&site=eds-live&scope=site>

50.

Tieszen LL. Natural variations in the carbon isotope values of plants: Implications for archaeology, ecology, and paleoecology. *Journal of Archaeological Science* [Internet]. 1991;18(3):227–248. Available from:

1991;18(3):227–248. Available from:

<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=A1991FN20100002&site=eds-live&scope=site>

51.

White CD. Isotopic Determination of Seasonality in Diet and Death from Nubian Mummy Hair. *Journal of Archaeological Science* [Internet]. 1993;20(6):657–666. Available from:

<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edo&AN=ejs847441&site=eds-live&scope=site>

52.

Blog | Stable Isotopes in Zooarchaeology | A Working Group of the International Council for Archaeozoology [Internet]. Available from: <https://sizwg.wordpress.com/blog/>

53.

Centre for Innovation - Leiden University. 3.2 Paleodiet: Principles of Stable Isotope Analysis - YouTube [Internet]. 2017. Available from: [https://www.youtube.com/watch?v=CN83D-ra4\\_o](https://www.youtube.com/watch?v=CN83D-ra4_o)

54.

Darling WG. Hydrological Factors in the Interpretation of Stable Isotopic Proxy Data Present and Past: A European Perspective. *Quaternary Science Reviews* [Internet]. 2004;23(7-8):743-770. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0277379104000149&site=eds-live&scope=site>

55.

Darling WG, Bath AH, Gibson JJ, Rozanski K. Chapter 6: Isotopes in Water. *Isotopes in Palaeoenvironmental Research* [Internet]. Dordrecht: Springer; 2006. p. 1-66. Available from: [https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991002164799707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991002164799707446&context=L&vid=44UOEX_INST:default)

56.

Leng MJ, Lewis JP. Oxygen isotopes in Molluscan shell: Applications in environmental archaeology. *Environmental Archaeology* [Internet]. 2016;21(3):295-306. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=eih&AN=116526721&site=eds-live&scope=site>

57.

McDermott F. Palaeo-Climature Reconstruction From Stable Isotope Variations in Speleothems: A Review. *Quaternary Science Reviews* [Internet]. 2004;23(7-8):901-918. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0277379104000198&site=eds-live&scope=site>

58.

Blumenthal SA, Cerling TE, Chritz KL, Bromage TG, Kozdon R, Valley JW. Stable Isotope

Time-Series in Mammalian Teeth: In Situ  $\delta^{18}\text{O}$  From the Innermost Enamel Layer. *Geochimica et Cosmochimica Acta* [Internet]. 2014;124:223–236. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0016703713005413&site=eds-live&scope=site>

59.

Dansgaard W. Stable Isotopes in Precipitation. *Tellus* [Internet]. 1964;16(4):436–468. Available from: <https://onlinelibrary.wiley.com/doi/10.1111/j.2153-3490.1964.tb00181.x>

60.

Gourcy LL, Groening M, Aggarwal PK. Chapter 4: Stable Oxygen and Hydrogen Isotopes in Precipitation. *Isotopes in the Water Cycle: Past, Present and Future of a Developing Science* [Internet]. Dordrecht: International Atomic Energy Agency (IAEA); 2005. p. 39–51. Available from: [https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991008604329707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991008604329707446&context=L&vid=44UOEX_INST:default)

61.

Lee-Thorp JA, Ecker M. Holocene Environmental Change at Wonderwerk Cave, South Africa: Insights from Stable Light Isotopes in Ostrich Eggshell. *African Archaeological Review* [Internet]. 2015;32(4):793–811. Available from: <https://0-uoelibrary-idm-oclc-org.lib.exeter.ac.uk/login?url=http://0-search.ebscohost.com.lib.exeter.ac.uk/login.aspx?direct=true&db=hlh&AN=111904335&site=eds-live&scope=site>

62.

McDermott F. Palaeo-climate reconstruction from stable isotope variations in speleothems: a review. *Quaternary Science Reviews* [Internet]. 2004;23(7):901–918. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0277379104000198&site=eds-live&scope=site>

63.

Müller UC, Pross J, Tzedakis PC, Gamble C, Kotthoff U, Schmiedl G, Wulf S, Christanis K. The Role of Climate in the Spread of Modern Humans into Europe. *Quaternary Science Reviews*

[Internet]. 2011;30(3-4):273-279. Available from:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0277379110004129&site=eds-live&scope=site>

64.

Pryor AJE, O'Connell TC, Wojtal P, Krzemińska A, Stevens RE. Investigating Climate at the Upper Palaeolithic Site of Kraków Spadzista Street (B) Poland, Using Oxygen Isotopes. *Quaternary International* [Internet]. 2013;294:108-119. Available from:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S1040618211005544&site=eds-live&scope=site>

65.

Pryor AJE, Stevens RE, O'Connell TC, Lister JR. Quantification and Propagation of Errors When Converting Vertebrate Biomineral Oxygen Isotope Data to Temperature for Palaeoclimate Reconstruction. *Palaeogeography, Palaeoclimatology, Palaeoecology* [Internet]. 2014;412:99-107. Available from:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0031018214003484&site=eds-live&scope=site>

66.

Rozanski D, Araguas-Araguas L, Gonfiantini R. Isotopic patterns in modern global precipitation [Internet]. 1993. Available from:  
[https://www.researchgate.net/profile/Roberto\\_Gonfiantini/publication/257359208\\_Isotopic\\_patterns\\_in\\_Global\\_Precipitation/links/02e7e53c68ce1ca0e7000000/Isotopic-patterns-in-Global-Precipitation.pdf](https://www.researchgate.net/profile/Roberto_Gonfiantini/publication/257359208_Isotopic_patterns_in_Global_Precipitation/links/02e7e53c68ce1ca0e7000000/Isotopic-patterns-in-Global-Precipitation.pdf)

67.

Tütken T, Furrer H, Walter Vennemann T. Stable Isotope Compositions of Mammoth Teeth From Niederweningen, Switzerland: Implications for the Late Pleistocene Climate, Environment and Diet. *Quaternary International* [Internet]. 2007;164-165:139-150. Available from:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S1040618206002151&site=eds-live&scope=site>

68.

O'Connell TC, Kneale CJ, Tasevska N, Kuhnle GGC. The Diet-Body Offset in Human Nitrogen Isotopic Values: A Controlled Dietary Study. *American Journal of Physical Anthropology* [Internet]. 2012;149(3):426-434. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000309922100013&site=eds-live&scope=site>

69.

O'Connell TC, Hedges REM. Investigations into the Effect of Diet on Modern Human Hair Isotopic Values. *American Journal of Physical Anthropology* [Internet]. John Wiley & Sons, Ltd; 1999;108(4):409-425. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswss&AN=000079546500003&site=eds-live&scope=site>

70.

O'Connell TC, Hedges REM. Isotopic Comparison of Hair and Bone: Archaeological Analyses. *Journal of Archaeological Science* [Internet]. 1999;26(6):661-665. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0305440398903831&site=eds-live&scope=site>

71.

O'Connell TC, Hedges REM, Healey MA, Simpson AHRW. Isotopic Comparison of Hair, Nail and Bone: Modern Analyses. *Journal of Archaeological Science* [Internet]. 2001;28(11):1247-1255. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000172195200011&site=eds-live&scope=site>

72.

Bentley RA. Strontium Isotopes from the Earth to the Archaeological Skeleton: A Review. *Journal of Archaeological Method and Theory* [Internet]. Springer; 2006;13(3):135-187. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edsjsr&AN=edsjsr.20177538&site=eds-live&scope=site>

73.

Evans JA, Chenery CA, Montgomery J. A Summary of Strontium and Oxygen Isotope Variation in Archaeological Human Tooth Enamel Excavated From Britain. *JAAS (Journal of Analytical Atomic Spectrometry)* [Internet]. 2012;27(5):754-764. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=asx&AN=100893600&site=eds-live&scope=site>

74.

Bentley RA, Bickle P, Fibiger L, Nowell GM, Dale CW, Hedges REM, Hamilton J, Wahl J, Francken M, Grupe G, Lenneis E, Teschler-Nicola M, Arbogast RM, Hofmann D, Whittle A. Community Differentiation and Kinship Among Europe's First Farmers. *Proceedings of the National Academy of Sciences* [Internet]. 2012;109(24):9326-9330. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edsjsr&AN=edsjsr.41602662&site=eds-live&scope=site>

75.

Britton K, Grimes V, Niven L, Steele TE, McPherron S, Soressi M, Kelly TE, Jaubert J, Hublin JJ, Richards MP. Strontium isotope evidence for migration in late Pleistocene Rangifer: Implications for Neanderthal hunting strategies at the Middle Palaeolithic site of Jonzac, France. *Journal of Human Evolution* [Internet]. 2011;61(2):176-185. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0047248411000686&site=eds-live&scope=site>

76.

Hoppe KA, Koch PL, Furutani TT. Assessing the Preservation of Biogenic Strontium in Fossil Bones and Tooth Enamel. *International Journal of Osteoarchaeology* [Internet]. 2003;13(1-2):20-28. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edo&AN=ejs4322634&site=eds-live&scope=site>

77.

Jay M, Montgomery J, Nehlich O, Towers J, Evans J. British Iron Age chariot burials of the Arras culture: a multi-isotope approach to investigating mobility levels and subsistence practices. *World Archaeology* [Internet]. 2013;45(3):473-491. Available from: <https://0-uoelibrary-idm-oclc-org.lib.exeter.ac.uk/login?url=http://0-search.ebscohost.com.lib.exeter.ac.uk/login.aspx?direct=true&db=rlh&AN=90380616&site=eds-live&scope=site>

78.

Kutschera W, Müller W. "Isotope language" of the Alpine Iceman investigated with AMS and MS. *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms* [Internet]. 2003;204(Supplement C):705–719. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0168583X03004919&site=eds-live&scope=site>

79.

Meier-Augenstein W, Fraser I. Forensic isotope analysis leads to identification of a mutilated murder victim. *Science & Justice* [Internet]. 2008;48(3):153–159. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=cmedm&AN=18953804&site=eds-live&scope=site>

80.

Müller et al. W, Fricke H. Origin and Migration of the Alpine Iceman. *Science* [Internet]. 2004;302(5646):862–866. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edsjsr&AN=edsjsr.3835555&site=eds-live&scope=site>

81.

Pearson et al. M. Beaker People in Britain: Migration, Mobility and Diet. *Antiquity* [Internet]. 2016;90(351):620–637. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000376691400005&site=eds-live&scope=site>

82.

Pellegrini M, Pouncett J, Jay M, Pearson MP, Richards MP. Tooth enamel oxygen 'isoscapes' show a high degree of human mobility in prehistoric Britain. *Scientific Reports* [Internet]. 2016;6. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000392010700001&site=eds-live&scope=site>



83.

Price TD, Knipper C, Grupe G, Smrcka V. Strontium Isotopes and Prehistoric Human Migration: The Bell Beaker Period in Central Europe. *European Journal of Archaeology* [Internet]. 2004;7(Issue 1):9–40. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=asx&AN=53090830&site=eds-live&scope=site>

84.

Price TD, Meiggs D, Weber MJ, Pike-Tay A. The migration of Late Pleistocene reindeer: isotopic evidence from northern Europe. *Archaeological and Anthropological Sciences* [Internet]. 2017;9(3):371–394. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000399027500005&site=eds-live&scope=site>

85.

Linderholm A. Ancient DNA: The Next Generation - Chapter and Verse. *Biological Journal of the Linnean Society* [Internet]. 2016;117(Issue 1):150–160. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=asx&AN=112072603&site=eds-live&scope=site>

86.

MacHugh DE, Larson G, Orlando L. Taming the Past: Ancient DNA and the Study of Animal Domestication. *Annual Review Of Animal Biosciences* [Internet]. 2017;5:329–351. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=cmedm&AN=27813680&site=eds-live&scope=site>

87.

Matisoo-Smith L, Horsburgh KA. *DNA for Archaeologists* [Internet]. Walnut Creek, Calif: Left Coast Press; 2012. Available from: [https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991005657969707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991005657969707446&context=L&vid=44UOEX_INST:default)

88.

Orlando L, Gilbert MTP, Willerslev E. *Reconstructing Ancient Genomes and Epigenomes*.

Nature Reviews: Genetics [Internet]. 2015;16(7):395–408. Available from:  
[https://go-gale-com.uoelibrary.idm.oclc.org/ps/retrieve.do?tabID=T002&resultListType=RESULT\\_LIST&searchResultsType=SingleTab&hitCount=1&searchType=AdvancedSearchForm&currentPosition=1&docId=GALE%7CA420050893&docType=Report&sort=RELEVANCE&contentSegment=ZONE-MOD1&prodId=AONE&pageNum=1&contentSet=GALE%7CA420050893&searchId=R3&userGroupName=exeter&inPS=true](https://go-gale-com.uoelibrary.idm.oclc.org/ps/retrieve.do?tabID=T002&resultListType=RESULT_LIST&searchResultsType=SingleTab&hitCount=1&searchType=AdvancedSearchForm&currentPosition=1&docId=GALE%7CA420050893&docType=Report&sort=RELEVANCE&contentSegment=ZONE-MOD1&prodId=AONE&pageNum=1&contentSet=GALE%7CA420050893&searchId=R3&userGroupName=exeter&inPS=true)

89.

Allentoft et al. ME. Population genomics of Bronze Age Eurasia. Nature [Internet]. 2015 Jun;522(7555):167–172. Available from:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=pbh&AN=103160510&site=eds-live&scope=site>

90.

Ermini L, Der Sarkissian C, Willerslev E, Orlando L. Major transitions in human evolution revisited: A tribute to ancient DNA. Journal of Human Evolution [Internet]. 2015;79:4–20. Available from:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0047248414002516&site=eds-live&scope=site>

91.

Frantz et al. LA. Genomic and Archaeological Evidence Suggest a Dual Origin of Domestic Dogs. Science [Internet]. 2016;352(6290):1228–1231. Available from:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=cmedm&AN=27257259&site=eds-live&scope=site>

92.

Llomas B, Willerslev E, Orlando L. Human evolution: a tale from ancient genomes. Philosophical Transactions Of The Royal Society Of London Series B, Biological Sciences [Internet]. 2017;372(1713):1–24. Available from:  
<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=cmedm&AN=27994125&site=eds-live&scope=site>

93.

Loog et al. L. Inferring Allele Frequency Trajectories from Ancient DNA Indicates That

Selection on a Chicken Gene Coincided with Changes in Medieval Husbandry Practices. *Molecular Biology & Evolution* [Internet]. 2017;34(8):1981–1990. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edb&AN=124480585&site=eds-live&scope=site>

94.

Marciniak S, Klunk J, Devault A, Enk J, Poinar HN. Ancient Human Genomics: The Methodology Behind Reconstructing Evolutionary Pathways. *Journal of Human Evolution* [Internet]. 2015;79:21–34. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S0047248414002693&site=eds-live&scope=site>

95.

Nielsen et al. R. Tracing the peopling of the world through genomics. *Nature* [Internet]. 2017;541(7637):302–310. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edsovi&AN=edsovi.00006056.201701190.00040&site=eds-live&scope=site>

96.

Otoni et al. C. Pig Domestication and Human-Mediated Dispersal in Western Eurasia Revealed through Ancient DNA and Geometric Morphometrics. *Molecular Biology and Evolution* [Internet]. 2013;30(4):824–832. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edsovi&AN=edsovi.00005793.201304000.00012&site=eds-live&scope=site>

97.

Pääbo S. The Human Condition—A Molecular Approach. *Cell* [Internet]. 2014;157(1):216–226. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S009286741301605X&site=eds-live&scope=site>

98.

Barnard H, Dooley AN, Faull KF. Chapter 5: An introduction to archaeological lipid analysis

by GC/MS. Theory and practice of archaeological residue analysis [Internet]. Oxford: Archaeopress; 2007. p. 42–60. Available from: <https://contentstore.cla.co.uk/secure/link?id=2428a28d-bbe9-e911-80cd-005056af4099>

99.

Evershed RP. Organic residue analysis in archaeology: the archaeological biomarker revolution. *Archaeometry* [Internet]. 2008;50(6):895–924. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000261215800001&site=eds-live&scope=site>

100.

Roffet-Salque et al. M. From the inside out: Upscaling organic residue analyses of archaeological ceramics. *Journal of Archaeological Science: Reports* [Internet]. 2017;16 (Supplement C):627–640. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edselp&AN=S2352409X16301390&site=eds-live&scope=site>

101.

Historic England Guide: Organic Residue Analysis and Archaeology [Internet]. Historic England; Available from: <https://historicengland.org.uk/images-books/publications/organic-residue-analysis-and-archaeology/>

102.

Brown TA, Brown K. *Biomolecular archaeology: an introduction*. Chichester: Wiley-Blackwell; 2011.

103.

Craig et al. OE. Feeding Stonehenge: Cuisine and Consumption at the Late Neolithic Site of Durrington Walls. *Antiquity* [Internet]. 2015;89(347):1096–1109. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000363306700006&site=eds-live&scope=site>

104.

Evershed et al. RP. Earliest date for milk use in the Near East and southeastern Europe linked to cattle herding. *Nature* [Internet]. 2008;455(7212):528–531. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=pbh&AN=34482572&site=eds-live&scope=site>

105.

Heron et al. C. First Molecular and Isotopic Evidence of Millet Processing in Prehistoric Pottery Vessels. *Scientific Reports* [Internet]. 2016;6(38767). Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000390304400001&site=eds-live&scope=site>

106.

Pollard AM. *Analytical Chemistry in Archaeology* [Internet]. Cambridge: Cambridge University Press; 2007. Available from: [https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991003205709707446&context=L&vid=44UOEX\\_INST:default](https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991003205709707446&context=L&vid=44UOEX_INST:default)

107.

Roffet-Salque et al. M. Widespread Exploitation of the Honeybee by Early Neolithic Farmers. *Nature* [Internet]. 2015 Nov;527(7577):226–230. Available from: <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=pbh&AN=111020978&site=eds-live&scope=site>