

ARC2130 / ARCM130

Discovering the Past with Molecular Science

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1

Ambrose SH, Krigbaum J. Bone chemistry and bioarchaeology. *Journal of Anthropological Archaeology* 2003;**22**:193–9. <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* 2006;**13**:135–87. <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**. <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* 2008;**50**:895–924. <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. [Hoboken, NJ]: : Wiley-Blackwell 2019.
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 2017;**5**:329–51.
<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. Walnut Creek, Calif: : Left Coast Press 2012.
https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991005657969707446&context=L&vid=44UOEX_INST:default

8

Pollard AM, Batt CM, Stern B, et al. Analytical Chemistry in Archaeology. Cambridge: : Cambridge University Press 2007.
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. In: The Oxford Handbook of the Archaeology of Death and Burial. 2013. 123–46.
<https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma99100004>

7109707446&context=L&vid=44UOEX_INST:default

12

Kohn MJ, Cerling TE. Stable Isotope Compositions of Biological Apatite. *Reviews in Mineralogy and Geochemistry* 2002;**48**:455–88. <https://contentstore.cla.co.uk/secure/link?id=a37286b7-c2e9-e911-80cd-005056af4099>

13

Lee-Thorp JA. On Isotopes and Old Bones. *Archaeometry* 2008;**50**:925–50. <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*. Dordrecht: : Springer 2006. 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* 2015;**16**:395–408. <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, et al. Beaker People in Britain: Migration, Mobility and Diet. *Antiquity* 2016;**90**:620–37. <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, et al. Isotopes and Human Burials at Viking Age Birka and the Malaren Region, East Central Sweden. *Journal of Anthropological Archaeology* 2018;**49**:19–38.<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* 2014;**43**:413–30.<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.
<https://historicengland.org.uk/images-books/publications/organic-residue-analysis-and-archaeology/>

20

Janet Montgomery - Isotope Analysis of Skeletons - YouTube.
<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* 2003;**22**:193–9.<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* 2008;**50**:895–924.<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, et al. Diagenesis of Archaeological Bone and Tooth. *Palaeogeography, Palaeoclimatology, Palaeoecology* 2018;**491**:21–37. <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* 2016;**21**:271–84. <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* 2008;**50**:249–75. <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* 2009;**134**:213–22. <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* 1987;**18**:293–320. <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, et al. *Analytical Chemistry in Archaeology*. 2007. https://exeter.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991003205709707446&context=L&vid=44UOEX_INST:default

29

Pollard M, Batt C, Stern B, et al. Chapter 10: Atoms, Isotopes, Electron Orbitals and the Periodic Table. In: Analytical chemistry in archaeology. Cambridge: : Cambridge University Press 2007.

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* 1995;**4**

:83–98.<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*. 2nd ed. Oxford: : Blackwell 2007.

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* 2004;**23**

:959–65.<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. In: *Isotopes in Palaeoenvironmental Research*. Dordrecht: : Springer 2006.

117–45.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* 2008;**50**

:925-50.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* 2015;**142**:1-17.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, et al. Interpreting the expansion of sea fishing in medieval Europe using stable isotope analysis of archaeological cod bones. *Journal of Archaeological Science* 2011;**38**:1516-24.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, et al. A Freshwater Diet-Derived ¹⁴C Reservoir Effect at the Stone Age Sites in the Iron Gates Gorge. *Radiocarbon* 2001;**43**:453-60.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, et al. Revisiting old bones: coupled carbon isotope analysis of bioapatite and collagen as an ecological and palaeoecological tool. *Geological Journal* 2009;**44**:605-20.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, et al. Isotopic analyses suggest mammoth and plant in the diet of the oldest anatomically modern humans from far southeast Europe. *Scientific Reports* 2017;**7**

.<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edsyss&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 1989;**40**:503–37.<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, et al. Weaning at Anglo-Saxon raunds: Implications for changing breastfeeding practice in Britain over two millennia. American Journal of Physical Anthropology 2013;**151**:604–12.<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edsyss&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 C_3 Plants: Implications for Palaeodiet Studies. Journal of Archaeological Science 1999;**26**:637–49.<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 2006;**231**:16–25.<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, et al. Zinc isotope ratios of bones and teeth as new dietary indicators: results from a modern food web (Koobi Fora, Kenya). Scientific Reports 2016;**6**

.<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* 2002;**48**:455–88.<https://contentstore.cla.co.uk/secure/link?id=a37286b7-c2e9-e911-80cd-005056af4099>

46

Naito YI, Chikaraishi Y, Drucker DG, et al. Ecological niche of Neanderthals from Spy Cave revealed by nitrogen isotopes of individual amino acids in collagen. *Journal of Human Evolution* 2016;**93**:82–90.<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* 2007;**134**:162–74.<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&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* 2007;**133**:682–97.<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, et al. Stable carbon and nitrogen isotope analysis at Neolithic Çatalhöyük: evidence for human and animal diet and their relationship to households. *Journal of Archaeological Science* 2015;**57**:69–79.<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* 1991;**18**:227–48.<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* 1993;**20**:657–66.<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. <https://sizwg.wordpress.com/blog/>

53

Centre for Innovation - Leiden University. 3.2 Paleodiet: Principles of Stable Isotope Analysis - YouTube. 2017.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* 2004;**23**:743–70.<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, et al. Chapter 6: Isotopes in Water. In: *Isotopes in Palaeoenvironmental Research*. Dordrecht: Springer 2006. 1–66.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* 2016;**21**:295–306.<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-Climate Reconstruction From Stable Isotope Variations in Speleothems: A Review. *Quaternary Science Reviews* 2004;**23**:901–18.<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, et al. Stable Isotope Time-Series in Mammalian Teeth: In Situ $\delta^{18}\text{O}$ From the Innermost Enamel Layer. *Geochimica et Cosmochimica Acta* 2014;**124**:223–36.<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* 1964;**16**:436–68.<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. In: *Isotopes in the Water Cycle: Past, Present and Future of a Developing Science*. Dordrecht: : International Atomic Energy Agency (IAEA) 2005. 39–51.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* 2015;
32
:793–811. <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* 2004;**23**
:901–18. <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, et al. The Role of Climate in the Spread of Modern Humans into Europe. *Quaternary Science Reviews* 2011;**30**
:273–9. <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, et al. Investigating Climate at the Upper Palaeolithic Site of Kraków Spadzista Street (B) Poland, Using Oxygen Isotopes. *Quaternary International* 2013;**294**
:108–19. <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, et al. Quantification and Propagation of Errors When Converting Vertebrate Biomineral Oxygen Isotope Data to Temperature for Palaeoclimate Reconstruction. *Palaeogeography, Palaeoclimatology, Palaeoecology* 2014;**412**
:99–107. <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.

1993. 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* 2007; **164-165**

:139-50. <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, et al. The Diet-Body Offset in Human Nitrogen Isotopic Values: A Controlled Dietary Study. *American Journal of Physical Anthropology* 2012; **149**

:426-34. <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* 1999; **108**

:409-25. <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* 1999; **26**

:661-5. <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, et al. Isotopic Comparison of Hair, Nail and Bone: Modern Analyses. *Journal of Archaeological Science* 2001;**28**:1247–55. <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* 2006;**13**:135–87. <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)* 2012;**27**:754–64. <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, et al. Community Differentiation and Kinship Among Europe's First Farmers. *Proceedings of the National Academy of Sciences* 2012;**109**:9326–30. <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, et al. 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* 2011;**61**:176–85. <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* 2003;**13**:20–8. <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, et al. British Iron Age chariot burials of the Arras culture: a multi-isotope approach to investigating mobility levels and subsistence practices. *World Archaeology* 2013;**45**:473–91. <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=rh&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* 2003;**204**:705–19. <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* 2008;**48**:153–9. <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* 5646;**302**:862–6. <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* 2016;**90**:620–37. <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, et al. Tooth enamel oxygen 'isoscaples' show a high degree of human mobility in prehistoric Britain. *Scientific Reports* 2016;**6**
.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, et al. Strontium Isotopes and Prehistoric Human Migration: The Bell Beaker Period in Central Europe. *European Journal of Archaeology* 2004;**7**:9-40.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 M-J, et al. The migration of Late Pleistocene reindeer: isotopic evidence from northern Europe. *Archaeological and Anthropological Sciences* 2017;**9**:371-94.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* 2016;**117**:150-60.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* 2017;**5**:329-51.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*. Walnut Creek, Calif: : Left Coast Press 2012.

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* 2015;**16**:395–408.https://go-gale-com.uoelibrary.idm.oclc.org/ps/retrieve.do?tabID=T002&resultListType=RESULT_LIST&searchResultsType=SingleTab&hitCount=1&searchType=AdvancedSearchForm¤tPosition=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* 2015;**522**:167–72.<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, et al. Major transitions in human evolution revisited: A tribute to ancient DNA. *Journal of Human Evolution* 2015;**79**:4–20.<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* 2016;**352**:1228–31.<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* 2017;**372**:1–24.<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?dire>

ct=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* 2017;**34**

:1981–90.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, et al. Ancient Human Genomics: The Methodology Behind Reconstructing Evolutionary Pathways. *Journal of Human Evolution* 2015;**79**

:21–34.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* 2017;**541**

:302–10.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

Ottoni et al. C. Pig Domestication and Human-Mediated Dispersal in Western Eurasia Revealed through Ancient DNA and Geometric Morphometrics. *Molecular Biology and Evolution* 2013;**30**

:824–32.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* 2014;**157**

:216–26.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. In: Theory and practice of archaeological residue analysis. Oxford: : Archaeopress 2007. 42–60.<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* 2008;**50**:895–924.<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* 2017;**16 (Supplement C)**:627–40.<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.
<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* 2015;**89**:1096–109.<https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=edswah&AN=000363306700006&site=eds-live&scope=site>

pe=site

104

Evershed et al. RP. Earliest date for milk use in the Near East and southeastern Europe linked to cattle herding. *Nature* 2008;**455**:528–31. <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* 2016;**6**. <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*. Cambridge: : Cambridge University Press 2007. 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* 2015;**527**:226–30. <https://uoelibrary.idm.oclc.org/login?url=http://search.ebscohost.com/login.aspx?direct=true&db=pbh&AN=111020978&site=eds-live&scope=site>