

ARCLG107: Technology and Analysis of Archaeological Material: Marcos Martinon-Torres

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[1]

'STRAND A - TECHNOLOGY WITHIN SOCIETY' . .

[2]

Appadurai, Arjun, *The social life of things: commodities in cultural perspective*. Cambridge: Cambridge University Press, 1986.

[3]

R. A. Bentley, H. D. G. Maschner, and C. Chippindale, Eds., *Handbook of archaeological theories*. Lanham, Md: AltaMira Press, 2008 [Online]. Available: <https://www.dawsonera.com/abstract/9780759113602>

[4]

Caple, Chris, *Objects: reluctant witnesses to the past*. London: Routledge, 2006 [Online]. Available: <https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://shib-idp.ucl.ac.uk/shibboleth&dest=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9780203409060>

[5]

Ewen, Charles Robin, *Artifacts*, vol. Archaeologist's toolkit. Walnut Creek, CA: AltaMira Press, 2003.

[6]

I. Hodder and Wiley InterScience (Online service), Entangled: an archaeology of the relationships between humans and things. Malden, MA: Wiley-Blackwell, 2012 [Online]. Available: <http://dx.doi.org/10.1002/9781118241912>

[7]

Hurcombe, L. M., Archaeological artefacts as material culture. London: Routledge, 2007.

[8]

A. Jones, 'Archaeometry and materiality: materials-based analysis in theory and practice', *Archaeometry*, vol. 46, no. 3, pp. 327–338, 2004, doi: 10.1111/j.1475-4754.2004.00161.x.

[9]

Kingery, W. D., Learning from things: method and theory of material culture studies. Washington, D.C.: Smithsonian Institution Press, 1996.

[10]

Latour, Bruno, Pandora's hope: essays on the reality of science studies. Cambridge, Mass: Harvard University Press, 1999.

[11]

P. Lemonnier, 'The study of material culture today: Toward an anthropology of technical systems', *Journal of Anthropological Archaeology*, 1986, doi: 0278-4165(86)90012-7. [Online]. Available: <http://www.sciencedirect.com.libproxy.ucl.ac.uk/science/article/pii/0278416586900127>

[12]

M. Martinón-Torres and D. Killick, 'Archaeological Theories and Archaeological Sciences', *The Oxford Handbook of Archaeological Theory*, 2015, doi: 10.1093/oxfordhb/9780199567942.013.004. [Online]. Available: <http://www.oxfordhandbooks.com/view/10.1093/oxfordhb/9780199567942.001.0001/oxfor>

dhb-9780199567942-e-004

[13]

Miller, Heather Margaret-Louise, Archaeological approaches to technology. Amsterdam: Elsevier/Academic Press, 2007.

[14]

S. Nanoglou, 'Qualities of Humanness: Material Aspects of Greek Neolithic Anthropomorphic Imagery', *Journal of Material Culture*, vol. 13, no. 3, pp. 311–334, 2008, doi: 10.1177/1359183508095498.

[15]

C. Orton and M. Hughes, Pottery in archaeology, 2nd ed., vol. Cambridge manuals in archaeology. Cambridge: Cambridge University Press, 2013.

[16]

Olsen, Bjørnar, In defense of things: archaeology and the ontology of objects, vol. Archaeology in society series. Lanham: Rowman & Littlefield Publishers, 2010.

[17]

K. D. Schick and N. P. Toth, Making silent stones speak: human evolution and the dawn of technology. London: Phoenix, 1995.

[18]

Schiffer, Michael B. and Miller, Andrea R., The material life of human beings: artifacts, behavior, and communication. London: Routledge, 1999.

[19]

F. Sigaut, 'Technology', in Companion encyclopedia of anthropology, [New ed.], vol. Routledge world reference, London: Routledge, 2002, pp. 420–459 [Online]. Available:

<https://contentstore.cla.co.uk//secure/link?id=80c47916-5436-e711-80c9-005056af4099>

[20]

Tilley, Christopher Y., *Handbook of material culture*. London: SAGE, 2006 [Online]. Available:
<https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://shib-idp.ucl.ac.uk/shibboleth&dest=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9781446206430>

[21]

C. Thornton, 'Archaeometallurgy', in *Metals and societies: studies in honour of Barbara S. Ottaway*, vol. *Universitätsforschungen zur prähistorischen Archäologie*, Bonn: R. Habelt, 2009, pp. 25–33.

[22]

Boivin, Nicole, *Material cultures, material minds: the impact of things on human thought, society, and evolution*. Cambridge: Cambridge University Press, 2008.

[23]

C. Conneller, *An archaeology of materials: substantial transformations in early prehistoric Europe*, vol. *Routledge studies in archaeology*. New York: Routledge, 2011.

[24]

Dant, Tim, *Material culture in the social world: values, activities, lifestyles*. Buckingham: Open University Press, 1999.

[25]

M. Donald and L. M. Hurcombe, *Gender and material culture in historical perspective*, vol. *Studies in gender and material culture*. Basingstoke: Macmillan, 2000.

[26]

Henare, Amiria J. M., Holbraad, Martin, and Wastell, Sari, Thinking through things: theorising artefacts ethnographically. Abingdon: Routledge, 2007 [Online]. Available: <https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://shib-idp.ucl.ac.uk/shibboleth&dest=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9780203088791>

[27]

E. Hallam and T. Ingold, Eds., Making and growing: anthropological studies of organisms and artefacts, vol. Anthropological studies of creativity and perception. Farnham, Surrey, England: Ashgate, 2014.

[28]

Lubar, Steven D. and Kingery, W. D., History from things: essays on material culture. Washington: Smithsonian Institution Press, 1993.

[29]

Meskell, Lynn, Archaeologies of materiality. Malden, Mass: Blackwell, 2006.

[30]

Miller, Daniel, Materiality. Durham, N.C.: Duke University Press, 2005.

[31]

B. Olsen, In defense of things: archaeology and the ontology of objects, vol. Archaeology in society series. Lanham: Rowman & Littlefield Publishers, 2010.

[32]

Andrefsky, William, Lithics: macroscopic approaches to analysis, 2nd ed., vol. Cambridge manuals in archaeology. Cambridge: Cambridge University Press, 2005.

[33]

Henderson, Julian, *The science and archaeology of materials: an investigation of inorganic materials*. London: Routledge, 2000.

[34]

Orton, Clive and Hughes, Mike, *Pottery in archaeology*, 2nd ed., vol. Cambridge manuals in archaeology. Cambridge: Cambridge University Press, 2013.

[35]

Rice, Prudence M., *Pottery analysis: a sourcebook*. Chicago: University of Chicago Press, 1987.

[36]

Schick, Kathy Diane and Toth, Nicholas Patrick, *Making silent stones speak: human evolution and the dawn of technology*. London: Phoenix, 1993.

[37]

T. Ingold, 'Materials against materiality', *Archaeological Dialogues*, vol. 14, no. 01, 2007, doi: 10.1017/S1380203807002127.

[38]

I. Kopytoff, 'The cultural biology of things: commoditization as a process', in *The social life of things: commodities in cultural perspective*, Cambridge: Cambridge University Press, 1986, pp. 64–94 [Online]. Available: <http://quod.lib.umich.edu/cgi/t/text/pageviewer-idx?c=acls;cc=acls;rgn=full%20text;idno=heb32141.0001.001;didno=heb32141.0001.001;node=heb32141.0001.001%3A5.2;view=image;seq=00000079>

[39]

Meskell, Lynn, *Object worlds in ancient Egypt: material biographies past and present*, vol. Materializing culture. Oxford: Berg, 2004.

[40]

L. Meskell, 'Introduction, object orientations', in Archaeologies of materiality, Malden, Mass: Blackwell, 2006, pp. 1-17.

[41]

Olsen, Bjørnar, In defense of things: archaeology and the ontology of objects, vol. Archaeology in society series. Lanham: Rowman & Littlefield Publishers, 2010.

[42]

W. Y. Adams, 'Archaeological classification: theory versus practice', Antiquity, vol. 56, no. 234, pp. 40-56, 1988 [Online]. Available:
<http://search.proquest.com/docview/1293842480?accountid=14511>

[43]

Brian Hayden, 'Are Emic Types Relevant to Archaeology?', Ethnohistory, vol. 31, no. 2, pp. 79-92, 1984 [Online]. Available: <http://www.jstor.org.libproxy.ucl.ac.uk/stable/482057>

[44]

M. Sørensen, "Paradigm lost" - on the state of typology within archaeological theory', in Paradigm found: archaeological theory present, past and future : essays in honour of Even Neustupný, Oxford: Oxbow Books, 2015, pp. 84-94.

[45]

Adams, William Yewdale and Adams, Ernest W., Archaeological typology and practical reality: a dialectical approach to artifact classification and sorting. Cambridge: Cambridge University Press, 1991.

[46]

J. C. Barrett, 'Bronze Age pottery and the problem of classification', in Papers on the prehistoric archaeology of Cranborne Chase, vol. Oxbow monograph, Oxford: Oxbow,

1991, pp. 201–230 [Online]. Available:
<https://contentstore.cla.co.uk/secure/link?id=57e50199-1364-e811-80cd-005056af4099>

[47]

Biers, William R., Art, artefacts, and chronology in classical archaeology, vol. Approaching the ancient world. London: Routledge, 1992.

[48]

Lewis R. Binford, 'Archaeology as Anthropology', American Antiquity, vol. 28, no. 2, pp. 217–225, 1962 [Online]. Available: <http://www.jstor.org/stable/278380>

[49]

L. R. Binford, 'Archaeological perspectives', in New perspectives in archaeology, Chicago: Aldine, 1968, pp. 155–186 [Online]. Available:
<https://contentstore.cla.co.uk//secure/link?id=2168a4ec-4d36-e711-80c9-005056af4099>

[50]

Michael S. Bisson, 'Nineteenth Century Tools for Twenty-First Century Archaeology? Why the Middle Paleolithic Typology of François Bordes Must Be Replaced', Journal of Archaeological Method and Theory, vol. 7, no. 1, pp. 1–48, 2000 [Online]. Available: http://www.jstor.org.libproxy.ucl.ac.uk/stable/20177411?seq=1#page_scan_tab_contents

[51]

Buck, Caitlin E. and Millard, Andrew, Tools for constructing chronologies: crossing disciplinary boundaries, vol. Lecture notes in statistics. London: Springer, 2004.

[52]

M. O. H. Carver, 'Theory and practice in urban pottery seriation', Journal of Archaeological Science, vol. 12, pp. 353–366, 1985, doi: 0305-4403(85)90064-0. [Online]. Available: <http://www.sciencedirect.com.libproxy.ucl.ac.uk/science/article/pii/0305440385900640>

[53]

W. R. Chapman, 'Arranging ethnology: A.H.L.F. Pitt Rivers and the typological tradition', in Objects and others: essays on museums and material culture, Madison, Wis: University of Wisconsin Press, 1985, pp. 15–48 [Online]. Available: <https://muse.jhu.edu/books/9780299103231/9780299103231-3.pdf>

[54]

D. L. Clarke and B. Chapman, Analytical archaeology, 2nd ed. London: Methuen, 1978.

[55]

C. G. Cumberpatch, 'Towards a phenomenological approach to medieval pottery', in Not so much a pot, more a way of life: current approaches to artefact analysis in archaeology, vol. Oxbow monograph, Oxford: Oxbow, 1997, pp. 125–152 [Online]. Available: <https://contentstore.cla.co.uk//secure/link?id=039ae9df-8f36-e711-80c9-005056af4099>

[56]

R. C. Dunnell, 'Methodological issues in Americanist artifact classification', Advances in archaeological method and theory, vol. 9, pp. 149–207, 1986 [Online]. Available: <http://www.jstor.org/stable/20210077>

[57]

P. R. Fish, 'Consistency in Archaeological Measurement and Classification: A Pilot Study', American Antiquity, vol. 43, no. 1, pp. 86–89, 1978 [Online]. Available: <http://www.jstor.org/stable/279635>

[58]

Gräslund, Bo, The birth of prehistoric chronology: dating methods and dating systems in nineteenth-century Scandinavian archaeology, vol. New studies in archaeology. Cambridge: Cambridge University Press, 1987.

[59]

Ian Hodder, 'The Narrative and Rhetoric of Material Culture Sequences', World Archaeology

, vol. 25, no. 2, pp. 268–282, 1993 [Online]. Available:
<http://www.jstor.org.libproxy.ucl.ac.uk/stable/124819?&Search=yes&searchText=narrative&searchText=sequences&searchText=rhetoric&searchText=culture&searchText=material&list=hide&searchUri=%252Faction%252FdoBasicSearch%253FQuery%253DThe%252Bnarrative%252Band%252Brhetoric%252Bof%252Bmaterial%252Bculture%252Bsequences%2526Search%253DSearch%2526wc%253Don%2526fc%253Doff%2526globalSearch%253D%2526sbbBox%253D%2526sbjBox%253D%2526sbpBox%253D&prevSearch=&item=3&ttl=3322&returnArticleService=showFullText>

[60]

Kempton, Willett, *The folk classification of ceramics: a study of cognitive prototypes*, vol. Language, thought, and culture. New York: Academic Press, 1981.

[61]

L. S. Kleǐn, *Archaeological typology*, vol. BAR international series. Oxford: B.A.R., 1982.

[62]

Margolis, Eric and Laurence, Stephen, *Creations of the mind: theories of artifacts and their representation*. Oxford: Oxford University Press, 2007.

[63]

D. Miller, 'Artefacts as products of human categorisation processes', in *Symbolic and structural archaeology*, vol. *New directions in archaeology*, Cambridge: Cambridge University Press, 1982, pp. 17–25.

[64]

Miller, Daniel, *Artefacts as categories: a study of ceramic variability in central India*, vol. *New studies in archaeology*. Cambridge: Cambridge University Press, 1985.

[65]

O. Montelius and S. Lindqvist, *Die älteren Kulturperioden im Orient und in Europa I*. Stockholm: Selbstverlag des Verfassers, 1903.

[66]

Stephen Plog, 'Analysis of Style in Artifacts', *Annual Review of Anthropology*, vol. 12, pp. 125–142, 1983 [Online]. Available: <http://www.jstor.org.libproxy.ucl.ac.uk/stable/2155643>

[67]

Stephen Plog and Jeffrey L. Hantman, 'Chronology Construction and the Study of Prehistoric Culture Change', *Journal of Field Archaeology*, vol. 17, no. 4, pp. 439–456, 1990 [Online]. Available: <http://www.jstor.org.libproxy.ucl.ac.uk/stable/530005>

[68]

Read, Dwight W., *Artifact classification: a conceptual and methodological approach*. Walnut Creek, Calif: Left Coast Press, 2007.

[69]

Prudence M. Rice, 'Rethinking the Ware Concept', *American Antiquity*, vol. 41, no. 4, pp. 538–543, 1976 [Online]. Available: <http://www.jstor.org/stable/279024>

[70]

P. Rowley-Conwy, *From Genesis to prehistory: the archaeological Three Age System and its contested reception in Denmark, Britain, and Ireland*. Oxford: Oxford University Press, 2007.

[71]

J. Sackett, 'Approaches to style in lithic archaeology', *Journal of Anthropological Archaeology*, pp. 59–112, 1982, doi: 0278-4165(82)90008-3. [Online]. Available: <http://www.sciencedirect.com.libproxy.ucl.ac.uk/science/article/pii/0278416582900083>

[72]

A. Schnapp, 'Between antiquarians and archaeologists--continuities and ruptures', *Antiquity*, vol. 76, no. 291, pp. 134–140, 2002 [Online]. Available: <http://search.proquest.com/docview/217579824?accountid=14511>

[73]

W. Wendrich, The World According to Basketry. 1999 [Online]. Available:
<http://escholarship.org/uc/item/6n42w0rg>

[74]

J. B. Wheat, 'Ceramic classification: Bradfield and Shepard, types and varieties', in The ceramic legacy of Anna O. Shepard, Niwot, Colo: University Press of Colorado, 1991, pp. 121–131.

[75]

J. P. White and D. H. Thomas, 'What mean these stones? Ethnotaxonomic models and archaeological interpretations in the New Guinea Highlands', in Models in archaeology, London: Methuen, 1972, pp. 275–308 [Online]. Available:
<https://contentstore.cla.co.uk//secure/link?id=8ad5028d-5636-e711-80c9-005056af4099>

[76]

F. Widemann, 'Why is archaeometry so boring for archaeologists?', in Archaeological ceramics: papers presented at a seminar on Ceramics as Archaeological Material held at the Smithsonian Institution, Washington, D.C., Washington, D.C.: Smithsonian Institution Press, 1982, pp. 29–36.

[77]

A. Wylie, 'The typology debate', in Thinking from things: essays in the philosophy of archaeology, Berkeley, Calif: University of California Press, 2002, pp. 42–56.

[78]

N. L. Benco, 'Worked bone tools: Linking metal artisans and animal processors in medieval Islamic Morocco', Antiquity, vol. 76, no. 292, pp. 447–457, 2002 [Online]. Available:
<http://search.proquest.com/docview/217562124?accountid=14511>

[79]

N. Schlanger, 'The Chaîne Opératoire', in Archaeology: the key concepts, vol. Routledge key guides, London: Routledge, 2005, pp. 14–18 [Online]. Available: <https://www.dawsonera.com/readonline/9780203491096/startPage/15>

[80]

B. SILLAR and M. S. TITE, 'THE CHALLENGE OF 'TECHNOLOGICAL CHOICES' FOR MATERIALS SCIENCE APPROACHES IN ARCHAEOLOGY', *Archaeometry*, vol. 42, no. 1, pp. 2–20, 2000, doi: 10.1111/j.1475-4754.2000.tb00863.x.

[81]

M. B. Collins, 'Lithic technology as a means of processual inference', in *Lithic technology: making and using stone tools*, vol. World anthropology, The Hague: Mouton, 1975, pp. 15–34.

[82]

Françoise Audouze, 'Leroi-Gourhan, a Philosopher of Technique and Evolution', *Journal of Archaeological Research*, vol. 10, no. 4, pp. 277–306, 2002 [Online]. Available: <http://www.jstor.org.libproxy.ucl.ac.uk/stable/41053189>

[83]

O. Bar-Yosef and P. Van Peer, 'The Chaine Operatoire Approach in Middle Paleolithic Archaeology', *Current Anthropology*, vol. 50, no. 1, pp. 103–131, Feb. 2009, doi: 10.1086/592234.

[84]

R. L. Binford, 'Hunters in a landscape', in *In pursuit of the past: decoding the archaeological record*, [London]: Thames and Hudson, 1983, pp. 109–143 [Online]. Available: <https://contentstore.cla.co.uk//secure/link?id=1905bffa-5736-e711-80c9-005056af4099>

[85]

C. Chanteller, 'Lithic technology and the Chaîne Opératoire', in *Prehistoric Britain*, vol.

Blackwell studies in global archaeology, Malden, Mass: Blackwell, 2008, pp. 160–176.

[86]

D. E. Crabtree, 'Comments of lithic technology and experimental archaeology', in Lithic technology: making and using stone tools, vol. World anthropology, The Hague: Mouton, 1975, pp. 105–113.

[87]

N. David and C. Kramer, 'Studying artifacts: functions, operating sequences, taxonomy', in Ethnoarchaeology in action, vol. Cambridge world archaeology, Cambridge: Cambridge University Press, 2001, pp. 138–167.

[88]

Elizabeth DeMarrais, Luis Jaime Castillo and Timothy Earle, 'Ideology, Materialization, and Power Strategies', Current Anthropology, vol. 37, no. 1, pp. 15–31, 1996 [Online]. Available: <http://www.jstor.org.libproxy.ucl.ac.uk/stable/2744153>

[89]

M.-A. Dobres, 'Technology's links and chaînes : the processual unfolding of technique and technician', in The social dynamics of technology: practice, politics, and world views, Washington, D.C.: Smithsonian Institution Press, 1999, pp. 124–146.

[90]

Chris Gosden and Yvonne Marshall, 'The Cultural Biography of Objects', World Archaeology, vol. 31, no. 2, pp. 169–178, 1999 [Online]. Available: <http://www.jstor.org.libproxy.ucl.ac.uk/stable/125055>

[91]

C. Holtorf, 'Notes on the Life History of a Pot Sherd', Journal of Material Culture, vol. 7, no. 1, pp. 49–71, 2002, doi: 10.1177/1359183502007001305.

[92]

Hoskins, Janet, Biographical objects: how things tell the stories of people's lives. New York: Routledge, 1998.

[93]

L. Hurcombe, 'Plant processing for cordage and textiles using serrated flint edges: new chaines opératoires suggested by ethnographic, archaeological and experimental evidence for bast fibre processing', in Plant processing form a prehistoric and ethnographic perspective =: Préhistoire et ethnographie du travail des plantes : proceedings of a workshop at Ghent University (Belgium) November 28, 2006, vol. BAR international series, Oxford: John & Erica Hedges, 2007, pp. 41–66.

[94]

T. Ingold, 'Tools for the Hand, Language for the Face': An Appreciation of Leroi-Gourhan's Gesture and Speech', Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences, vol. 30, no. 4, pp. 411–453, 1999, doi: 10.1016/S1369-8486(99)00022-9.

[95]

C. D. Jeffra, 'Experimental approaches to archaeological ceramics: unifying disparate methodologies with the chaîne opératoire', Archaeological and Anthropological Sciences, vol. 7, no. 1, pp. 141–149, Mar. 2015, doi: 10.1007/s12520-014-0177-4.

[96]

J. Jennings et al., '"Drinking Beer in a Blissful Mood" Alcohol Production, Operational Chains, and Feasting in the Ancient World', Current Anthropology, vol. 46, no. 2, pp. 275–303, 2005, doi: 10.1086/427119.

[97]

Lemonnier, Pierre, Elements for an anthropology of technology, vol. Anthropological papers / Museum of Anthropology, University of Michigan. Ann Arbor, Mich: Museum of Anthropology, University of Michigan, 1992.

[98]

Lemonnier, Pierre, Technological choices: transformation in material cultures since the Neolithic, vol. Material cultures. London: Routledge, 1993.

[99]

G. Lucas, 'Case study: the life and times of a Roman jar', in The archaeology of time, vol. Themes in archaeology, London: Routledge, 2005, pp. 95–113 [Online]. Available: http://ls-tlss.ucl.ac.uk/course-materials/ARCLG107_45056.pdf

[100]

Meskell, Lynn, Object worlds in ancient Egypt: material biographies past and present, vol. Materializing culture. Oxford: Berg, 2004.

[101]

Rye, Owen S., Pottery technology: principles and reconstruction, vol. Manuals on archeology. Washington, D.C.: Taraxacum, 1981.

[102]

M. Shanks, 'The life of an artefact in an interpretive archaeology'. [Online]. Available: <http://documents.stanford.edu/michaelshanks/229>

[103]

M. B. Schiffer, 'Behavioral chain analysis: activities, organization and the use of space', in Behavioral archaeology: first principles, vol. Foundations of archaeological inquiry, Salt Lake City: University of Utah Press, 1995, pp. 103–174.

[104]

N. Schlanger, 'Mindful technology: unleashing the chaîne opératoire for an archaeology of mind', in The ancient mind: elements of cognitive archaeology, vol. New directions in archaeology, Cambridge: Cambridge University Press, 1994, pp. 143–151.

[105]

N. Schlanger and A. Silclair, 'Technology in the Humanities', Archaeological review from Cambridge, vol. 9, no. 1, pp. 3-167, 1990.

[106]

J. M. Skibo and M. B. Schiffer, 'Understanding artifact variability and change: a behavioral framework', in Anthropological perspectives on technology, vol. Amerind Foundation New World studies series, Albuquerque: University of New Mexico Press, 2001, pp. 139-149.

[107]

M. Vidale, 'Operational sequences beyond linearity', in Papers from the EAA Third Annual Meeting at Ravenna 1997, vol. BAR international series, Oxford: Archaeopress, 1998, pp. 179-184 [Online]. Available: http://ls-tlss.ucl.ac.uk/course-materials/ARCLG107_45067.pdf

[108]

Rapp, George Robert, Archaeomineralogy, 2nd ed., vol. Natural science in archaeology. Berlin: Springer, 2009.

[109]

Ashurst, John, Dimes, Francis G., and Honeyborne, D. B., Conservation of building and decorative stone: Vol. 1, vol. Butterworths series in conservation and museology. London: Butterworths, 1990.

[110]

Bachmann, H. G., The identification of slags from archaeological sites, vol. Occasional publication. London: Institute of Archaeology, 1982.

[111]

J. Bayley, D. Dungworth, and S. Paynter, Centre for Archaeology Guidelines: Archaeometallurgy. English Heritage, 2001 [Online]. Available:

<http://www.english-heritage.org.uk/publications>

[112]

Leo Biek and Justine Bayley, 'Glass and other Vitreous Materials', *World Archaeology*, vol. 11, no. 1, pp. 1-25, 1979 [Online]. Available: <http://www.jstor.org/stable/124331>

[113]

Freestone, Ian and Gaimster, David R. M., *Pottery in the making: world ceramic traditions*. London: British Museum Press, 1997.

[114]

Gleba, Margarita, *Textile production in pre-Roman Italy*, vol. Ancient textiles series. Oxford: Oxbow Books, 2008.

[115]

Hurcombe, L. M., *Archaeological artefacts as material culture*. London: Routledge, 2007.

[116]

Orton, Clive and Hughes, Mike, *Pottery in archaeology*, 2nd ed., vol. Cambridge manuals in archaeology. Cambridge: Cambridge University Press, 2013.

[117]

S. Paynter and D. Dungworth, *Archaeological Evidence for Glassworking*. English Heritage, 2011 [Online]. Available:
<http://www.english-heritage.org.uk/publications/glassworkingguidelines/glassworking-guide-lines.pdf>

[118]

Thomson, Roy and Mould, Quita, *Leather tanneries: the archaeological evidence*. London:

Archetype, 2011.

[119]

Tomber, R., Dore, John, English Heritage, British Museum, National Roman Fabric Reference Collection, and Museum of London, The National Roman Fabric Reference Collection: a handbook, vol. MoLAS monograph. London: Museum of London Archaeology Service, 1998.

[120]

'BGS Rock Classification Scheme - British Geological Survey'. [Online]. Available: <http://www.bgs.ac.uk/bgsrscs/>

[121]

'Archaeological Geology of Ancient Egypt'. [Online]. Available: http://www.eeescience.utoledo.edu/Faculty/Harrell/Egypt/AGRG_Home.html

[122]

'Utilitarian Stones', 2012. [Online]. Available: <http://escholarship.org/uc/item/77t294df#page-1>

[123]

'Building Stones', 2012. [Online]. Available: <http://escholarship.org/uc/item/3fd124g0?query=building%20stones#page-1>

[124]

'Pigments through the Ages - detailed pigment histories, recipes'. [Online]. Available: <http://www.webexhibits.org/pigments/>

[125]

'Mineralogy Database - Mineral Collecting, Localities, Mineral Photos and Data'. [Online].

Available: <http://www.mindat.org/>

[126]

I. Freestone, 'Chapter 4: Pliny on Roman glassmaking', in Archaeology, history and science: integrating approaches to ancient materials, vol. Publications of the Institute of Archaeology, University College London, Walnut Creek, CA: Left Coast Press, 2008, pp. 77–100 [Online]. Available: <http://www.UCL.eblib.com/patron/Read.aspx?p=677776&pg=1>

[127]

I. Freestone, M. Huges, and C. Stapleton, 'The composition and production of Anglo-Saxon glass', in Catalogue of Anglo-Saxon glass in the British Museum, vol. British Museum research publication, London: British Museum, 2008, pp. 29–46 [Online]. Available: http://www.britishmuseum.org/research/publications/research_publications_series/2008/catalogue_of_anglo_saxon_glass.aspx

[128]

S. Paynter and D. Dungworth, Archaeological Evidence for Glassworking. English Heritage, 2011 [Online]. Available: <http://www.english-heritage.org.uk/publications/glassworkingguidelines/glassworking-guidelines.pdf>

[129]

Price, J. and Cottam, Sally, Romano-British glass vessels: a handbook, vol. Practical handbooks in archaeology. York: Council for British Archaeology, 1998.

[130]

E. A. Strand, K. M. Frei, M. Gleba, U. Mannering, M.-L. Nosch, and I. Skals, 'Old Textiles -- New Possibilities', European Journal of Archaeology, vol. 13, no. 2, pp. 149–173, 2010, doi: 10.1177/1461957110365513.

[131]

Barber, E. J. W., Prehistoric textiles: the development of cloth in the Neolithic and Bronze

Ages with special reference to the Aegean. Princeton, N.J: Princeton University Press, 1991.

[132]

Jørgensen, Lise Bender, North European textiles until AD 1000. Aarhus: Aarhus University Press, 1992.

[133]

Gleba, Margarita and Mannerling, Ulla, Textiles & textile production in Europe: from prehistory to AD 400, vol. Ancient textiles series. Oxford: Oxbow, 2012.

[134]

S. Harris, 'Smooth and cool or warm and soft, investigating the properties of cloth in prehistory', in North European Symposium for Archaeological Textiles X, vol. Ancient textiles series, Oxford: Oxbow Books, 2009, pp. 112-140 [Online]. Available: http://www.academia.edu/203730/Smooth_and_cool_or_warm_and_soft_investigating_the_properties_of_cloth_in_prehistory._In_E._Andersson_Strand_M._Gleba_U._Mannerling_C._Munkholt_M._Ringgaard_eds._North_European_Symposium_for_Archaeological_Textiles_X._Oxford_Oxbow_Books_Ancient_Textiles_Series_5_pp._140-112

[135]

'Technological examination of Neolithic-Bronze Age pottery from central and southeast Europe and from the Near East', Journal of Archaeological Science, 1981, doi: 0305-4403(81)90012-1. [Online]. Available: <http://www.sciencedirect.com.libproxy.ucl.ac.uk/science/article/pii/0305440381900121>

[136]

Orton, Clive and Hughes, Mike, Pottery in archaeology, 2nd ed., vol. Cambridge manuals in archaeology. Cambridge: Cambridge University Press, 2013.

[137]

Quinn, Patrick S., Ceramic petrography: the interpretation of archaeological pottery & related artefacts in thin section. Oxford: Archaeopress, 2013.

[138]

Bachmann, H. G., The identification of slags from archaeological sites, vol. Occasional publication. London: Institute of Archaeology, 1982.

[139]

J. Bayley, D. Dungworth, and S. Paynter, Centre for Archaeology Guidelines: Archaeometallurgy. English Heritage, 2001 [Online]. Available: <http://www.english-heritage.org.uk/publications>

[140]

J. Bayley, D. W. Crossley, M. Ponting, and Historical Metallurgy Society, Metals and metalworking: a research framework for archaeometallurgy, vol. Occasional publication / Historical Metallurgy Society. London: Historical Metallurgy Society, 2008.

[141]

P. T. Craddock, Early metal mining and production. Edinburgh: Edinburgh University Press, 1995.

[142]

B. W. Roberts and C. P. Thornton, Eds., Archaeometallurgy in global perspective: methods and syntheses. New York: Springer, 2014 [Online]. Available: <https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://shib-idp.ucl.ac.uk/shibboleth&dest=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9781461490173>

[143]

Andrefsky, William, Lithics: macroscopic approaches to analysis, 2nd ed., vol. Cambridge manuals in archaeology. Cambridge: Cambridge University Press, 2005.

[144]

A. Mesoudi, Cultural Evolution: How Darwinian Theory Can Explain Human Culture and Synthesize the Social Sciences. University of Chicago Press, 2011.

[145]

Schick, Kathy Diane and Toth, Nicholas Patrick, Making silent stones speak: human evolution and the dawn of technology. London: Phoenix, 1993.

[146]

Whittaker, John C., Flintknapping: making and understanding stone tools. Austin: University of Texas Press, 1994.

[147]

J. W. Eerkens and C. P. Lipo, 'Cultural transmission, copying errors, and the generation of variation in material culture and the archaeological record', *Journal of Anthropological Archaeology*, vol. 24, no. 4, pp. 316–334, 2005, doi: 10.1016/j.jaa.2005.08.001.

[148]

Brian Hayden, 'Practical and Prestige Technologies: The Evolution of Material Systems', *Journal of Archaeological Method and Theory*, vol. 5, no. 1, pp. 1–55, 1998 [Online]. Available: <http://www.jstor.org.libproxy.ucl.ac.uk/stable/20177377>

[149]

M. Martinón-Torres and M. A. Uribe-Villegas, 'Technology and Culture in the Invention of Lost-wax Casting in South America: an Archaeometric and Ethnoarchaeological Perspective', *Cambridge Archaeological Journal*, vol. 25, no. 01, pp. 377–390, Feb. 2015, doi: 10.1017/S0959774314001164.

[150]

G. N. Bailey, 'Concepts, time-scales and explanations in economic prehistory', in Economic archaeology: towards an integration of ecological and social approaches, vol. BAR international series, Oxford: B.A.R., 1981, pp. 97–117 [Online]. Available: http://ls-tlss.ucl.ac.uk/course-materials/ARCLG107_45090.pdf

[151]

Barnett, William and Hoopes, John W., *The emergence of pottery: technology and innovation in ancient societies*, vol. Smithsonian series in archaeological inquiry. Washington [D.C.]: Smithsonian Institution Press, 1995.

[152]

Basalla, George, *The evolution of technology*, vol. Cambridge history of science. Cambridge University Press, 1988.

[153]

J. Bayley, 'Innovation in later medieval urban metalworking', *Historical metallurgy: journal of the Historical Metallurgy Society*, vol. 30, pp. 67–71, 1996 [Online]. Available: http://ls-tlss.ucl.ac.uk/course-materials/ARCLG107_45091.pdf

[154]

M. J. Blackman, G. J. Stein, and P. B. Vandiver, 'The Standardization Hypothesis and Ceramic Mass Production: Technological, Compositional, and Metric Indexes of Craft Specialization at Tell Leilan, Syria', *American Antiquity*, vol. 58, no. 1, pp. 60–80, 1993 [Online]. Available: <http://www.jstor.org/stable/281454>

[155]

M. F. Charlton, P. Crew, T. Rehren, and S. J. Shennan, 'Explaining the evolution of ironmaking recipes – An example from northwest Wales', *Journal of Anthropological Archaeology*, vol. 29, no. 3, pp. 352–367, 2010, doi: 10.1016/j.jaa.2010.05.001.

[156]

C. Costin, 'The impact of the Inca conquest on local technology in the Upper Mantaro Valley, Peru', in *What's new?: a closer look at the process of innovation*, vol. One world archaeology, London: Unwin Hyman, 1989, pp. 107–139.

[157]

D. Crossley, 'The English glassmaker and his search for materials in the 16th and 17th centuries', in *The prehistory & history of glassmaking technology*, vol. Ceramics and civilization, Westerville, OH: American Ceramic Society, 1998 [Online]. Available: <https://contentstore.cla.co.uk/secure/link?id=5e208207-d864-e811-80cd-005056af4099>

[158]

B. Fitzhugh, 'Risk and Invention in Human Technological Evolution', *Journal of Anthropological Archaeology*, vol. 20, no. 2, pp. 125–167, 2001, doi: 10.1006/jaar.2001.0380.

[159]

Brian Hayden, 'Practical and Prestige Technologies: The Evolution of Material Systems', *Journal of Archaeological Method and Theory*, vol. 5, no. 1, pp. 1–55, 1998 [Online]. Available: <http://www.jstor.org.libproxy.ucl.ac.uk/stable/20177377>

[160]

J. Henderson et al., 'Experiment and innovation: early Islamic industry at al-Raqqa, Syria', *Antiquity*, vol. 79, pp. 130–145, 2005 [Online]. Available: <http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,shib&db=asu&AN=505112931&site=ehost-live&scope=site>

[161]

J. Humphris, M. Martinón-Torres, T. Rehren, and A. Reid, 'Variability in single smelting episodes – a pilot study using iron slag from Uganda', *Journal of Archaeological Science*, vol. 36, no. 2, pp. 359–369, 2009, doi: 10.1016/j.jas.2008.09.020.

[162]

H. Knecht, 'The role of innovation in changing early upper paleolithic organic projectile technologies - ResearchGate', *Techniques et Culture*, pp. 115–144, 1991 [Online]. Available: http://www.researchgate.net/publication/30453447_The_role_of_innovation_in_changing_early_upper_paleolithic_organic_projectile_technologies

[163]

H. Lechtman, 'Andean value systems and the development of prehistoric metallurgy', *Technology and culture*, vol. 25, pp. 1–36, 1984 [Online]. Available: <http://muse.jhu.edu/journals/tech/>

[164]

Lesick, Kurtis and University of Calgary, Eureka: the archaeology of innovation & science : proceedings of the twenty-ninth annual conference of the Archaeological Association of the University of Calgary. Calgary: Archaeological Association of the University of Calgary, 2002.

[165]

H. L. Loney, 'Society and Technological Control: A Critical Review of Models of Technological Change in Ceramic Studies', *American Antiquity*, vol. 65, no. 4, pp. 646–668, 2000 [Online]. Available: <http://www.jstor.org/stable/2694420>

[166]

M. Martinón-Torres, 'Inside Solomon's House: An Archaeological Study of the Old Ashmolean Chymical Laboratory in Oxford*', *Ambix*, vol. 59, no. 1, pp. 22–48, 2012, doi: 10.1179/174582312X13296104891436.

[167]

M. Martinon-Torres and T. Rehren, 'Post-medieval crucible productionand distribution: a study of materials and materialities', *Archaeometry*, vol. 51, no. 1, pp. 49–74, 2009 [Online]. Available: http://www.ucl.ac.uk/archaeology/people/staff/rehren/usercontent_profile/MMTRehrenMaterialityCruciblesAmetry51.pdf

[168]

P. Mellars, 'Technological changes across the Middle-upper Palaeolithic transition: economic, social and cognitive perspectives', in *The Human revolution: behavioural and biological perspectives on the origins of modern humans*, Edinburgh: Edinburgh University Press, 1989, pp. 338–365 [Online]. Available: <https://contentstore.cla.co.uk/secure/link?id=697b38f3-ba64-e811-80cd-005056af4099>

[169]

P. R. Moorey, 'The mobility of artisans and opportunities for technology transfer between Western Asia and Egypt in the Late Bronze Age', in *The social context of technological change: Egypt and the Near East, 1650-1550 B.C.* : proceedings of a conference held at St Edmund Hall, Oxford, 12-14 September 2000, Oxford: Oxbow, 2001, pp. 1-14.

[170]

Margaret C. Nelson, 'The Study of Technological Organization', *Archaeological Method and Theory*, vol. 3, pp. 57-100, 1991 [Online]. Available:
<http://www.jstor.org.libproxy.ucl.ac.uk/stable/20170213>

[171]

Michael J. O'Brien, Thomas D. Holland, Robert J. Hoard and Gregory L. Fox, 'Evolutionary Implications of Design and Performance Characteristics of Prehistoric Pottery', *Journal of Archaeological Method and Theory*, vol. 1, no. 3, pp. 259-304, 1994 [Online]. Available:
<http://www.jstor.org.libproxy.ucl.ac.uk/stable/20177313>

[172]

Raymond, Robert, *Out of the fiery furnace: the impact of metals on the history of mankind*. University Park: Pennsylvania State UP, 1986.

[173]

J. E. Rehder, 'Blowpipes versus bellows in ancient metallurgy', *Journal of Field Archaeology*, vol. 21, no. 3, 1994 [Online]. Available:
<http://www.ingentaconnect.com/content/maney/jfa/1994/00000021/00000003/art00005>

[174]

T. Rehren and M. Martinon-Torres, 'Chapter 9: Naturam ars imitata: European brassmaking between craft and science', in *Archaeology, history and science: integrating approaches to ancient materials*, vol. Publications of the Institute of Archaeology, University College London, Walnut Creek, CA: Left Coast Press, 2008, pp. 167-188 [Online]. Available:
<http://www.UCL.eblib.com/patron/Read.aspx?p=677776&pg=1>

[175]

T. Rehren, E. Pusch, and A. Herold, 'Glass coloring works within a copper-centered industrial complex in Late Bronze Age Egypt', in *The prehistory & history of glassmaking technology*, vol. Ceramics and civilization, Westerville, OH: American Ceramic Society, 1998, pp. 227–250 [Online]. Available: http://www.academia.edu/1082340/Glass_coloring_works_within_a_copper-centered_industrial_complex_in_Late_Bronze_Age_Egypt

[176]

B. W. Roberts and M. Radivojević, 'Invention as a Process: Pyrotechnologies in Early Societies', *Cambridge Archaeological Journal*, vol. 25, no. 01, pp. 299–306, Feb. 2015, doi: 10.1017/S0959774314001188.

[177]

V. Roux, 'Ceramic Standardization and Intensity of Production: Quantifying Degrees of Specialization', *American Antiquity*, vol. 68, no. 4, pp. 768–782, 2003 [Online]. Available: <http://www.jstor.org/stable/3557072>

[178]

V. Roux, 'Technological innovations and developmental trajectories: social factors as evolutionary forces', in *Innovation in cultural systems: contributions from evolutionary anthropology*, vol. Vienna series in theoretical biology, Cambridge, Mass: MIT Press, 2010, pp. 217–234.

[179]

M. B. Schiffer, 'The explanation of long-term technological change', in *Anthropological perspectives on technology*, vol. Amerind Foundation New World studies series, Albuquerque: University of New Mexico Press, 2001, pp. 215–235.

[180]

Michael Brian Schiffer, 'The Devil Is in the Details: The Cascade Model of Invention Processes', *American Antiquity*, vol. 70, no. 3, pp. 485–502, 2005 [Online]. Available: <http://www.jstor.org/stable/40035310>

[181]

Schiffer, Michael B., *Studying technological change: a behavioral approach*, vol. Foundations of archaeological inquiry. Salt Lake City: University of Utah Press, 2011.

[182]

S. J. Shennan and J. R. Wilkinson, 'Ceramic Style Change and Neutral Evolution: A Case Study from Neolithic Europe', *American Antiquity*, vol. 66, no. 4, pp. 577–593, 2001 [Online]. Available: <http://www.jstor.org/stable/2694174>

[183]

Shennan, Stephen, *Genes, memes and human history: Darwinian archaeology and cultural evolution*. London: Thames & Hudson, 2002.

[184]

S. Shennan, 'Long-term trajectories of technological change', in *Cultural evolution: Society, technology, language and religion*, P. J. Richerson and M. H. Christiansen, Eds. Cambridge, Mass.: MIT Press, 2013, pp. 143–155.

[185]

A. J. Shortland, 'Hopeful monsters? Invention and innovation in the archaeological record', in *Invention and innovation: the social context of technological change*, 2: Egypt, the Aegean and the Near East, 1650-1150 BC., Oxford: Oxbow Books, 2004, pp. 1–11 [Online]. Available:
<https://contentstore.cla.co.uk/secure/link?id=466f3fbb-b764-e811-80cd-005056af4099>

[186]

Torrence, Robin and Leeuw, Sander Ernst van der, *What's new?: a closer look at the process of innovation*, vol. One world archaeology. London: Unwin Hyman, 1989.

[187]

S. E. Van der Leeuw, D. A. Papousek, and A. Coudart, 'Technical traditions and unquestioned assumptions : the case of pottery in Michoacan', *Techniques & culture*, no.

17–18, 1992, doi: 10.4000/tc.691.

[188]

David Wengrow, 'The Evolution of Simplicity: Aesthetic Labour and Social Change in the Neolithic Near East', *World Archaeology*, vol. 33, no. 2, pp. 168–188, 2001 [Online]. Available: <http://www.jstor.org.libproxy.ucl.ac.uk/stable/827897>

[189]

Cathy Lynne Costin, 'Craft Specialization: Issues in Defining, Documenting, and Explaining the Organization of Production', *Archaeological Method and Theory*, vol. 3, pp. 1–56, 1991 [Online]. Available: <http://www.jstor.org.libproxy.ucl.ac.uk/stable/20170212>

[190]

D. P. Peacock, 'Towards a model for Roman pottery studies', in *Pottery in the Roman world: an ethnoarchaeological approach*, vol. Longman archaeology series, London: Longman, 1982, pp. 6–11.

[191]

Katherine A. Spielmann, 'Feasting, Craft Specialization, and the Ritual Mode of Production in Small-Scale Societies', *American Anthropologist*, vol. 104, no. 1, pp. 195–207, 2002 [Online]. Available: <http://www.jstor.org.libproxy.ucl.ac.uk/stable/683770>

[192]

M. James Blackman, Gil J. Stein and Pamela B. Vandiver, 'The Standardization Hypothesis and Ceramic Mass Production: Technological, Compositional, and Metric Indexes of Craft Specialization at Tell Leilan, Syria', *American Antiquity*, vol. 58, no. 1, pp. 60–80, 1993 [Online]. Available: <http://www.jstor.org.libproxy.ucl.ac.uk/stable/281454>

[193]

E. Burri, 'Production and use: temper as a marker of domestic production in the case of two middle Neolithic villages in Concise', in *Archaeometric and archaeological approaches to ceramics: papers presented at EMAC '05, 8th European meeting on ancient ceramics*, Lyon 2005, vol. BAR international series, Oxford: Archaeopress, 2007, pp. 33–39.

[194]

R. A. Castanzo, 'Ceramics on the Side: Pottery Making as an Augmentation of Household Economy in the Valley of Puebla during the Formative Period', *Archeological Papers of the American Anthropological Association*, vol. 19, no. 1, pp. 133–147, 2009, doi: 10.1111/j.1551-8248.2009.01017.x.

[195]

Cathy Lynne Costin, 'The Use of Ethnoarchaeology for the Archaeological Study of Ceramic Production', *Journal of Archaeological Method and Theory*, vol. 7, no. 4, pp. 377–403, 2000 [Online]. Available: <http://www.jstor.org.libproxy.ucl.ac.uk/stable/20177427>

[196]

I. Freestone, 'Glass production in Late Antiquity and the Early Islamic period : a geochemical perspective', in *Geomaterials in cultural heritage*, vol. Geological Society special publication, London: The Geological Society, 2006, pp. 201–216 [Online]. Available: <https://contentstore.cla.co.uk//secure/link?id=51291be6-8d36-e711-80c9-005056af4099>

[197]

I. Freestone, 'Pliny on Roman glassmaking', in *Archaeology, history and science: integrating approaches to ancient materials*, vol. Publications of the Institute of Archaeology, University College London, Walnut Creek, CA: Left Coast Press, 2008, pp. 77–100 [Online]. Available: <http://www.ucl.eblib.com/patron/FullRecord.aspx?p=677776>

[198]

I. Freestone, J. Price, and C. Cartwright, 'The batch: its recognition and significance', in *Annales du 17e Congrès de l'Association Internationale pour l'Histoire du Verre*, Anvers, 2006 =: *Annales of the 17th Congress of the International Association for the History of Glass*, 2006, Antwerp, Antwerp: University Press Antwerp, 2009, pp. 130–135 [Online]. Available: http://www.academia.edu/3122507/The_Batch_and_its_Significance

[199]

Freestone, Ian and Gaimster, David R. M., *Pottery in the making: world ceramic traditions*. London: British Museum Press, 1997.

[200]

H. R. Haines, G. M. Feinman, and L. M. Nicholas, 'HOUSEHOLD ECONOMIC SPECIALIZATION AND SOCIAL DIFFERENTIATION: The stone-tool assemblage at El Palmillo, Oaxaca', *Ancient Mesoamerica*, vol. 15, no. 02, pp. 251–266, 2004, doi: 10.1017/S0956536104040155.

[201]

J. Henderson, S. D. McLoughlin, and D. S. McPhail, 'Radical changes in Islamic glass technology: evidence for conservatism and experimentation with new glass recipes from early and middle Islamic Raqqa, Syria', *Archaeometry*, vol. 46, no. 3, pp. 439–468, 2004, doi: 10.1111/j.1475-4754.2004.00167.x.

[202]

J. Henderson et al., 'Experiment and innovation: early Islamic industry at al-Raqqa, Syria', *Antiquity*, vol. 79, pp. 130–145, 2005 [Online]. Available:
<http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,shib&db=asu&AN=505112931&site=ehost-live&scope=site>

[203]

Hodder, Ian and McDonald Institute for Archaeological Research, *Changing materialities at Çatalhöyük: reports from the 1995-99 seasons*, vol. McDonald Institute monographs. Cambridge: McDonald Institute for Archaeological Research, 2005.

[204]

J. Humphris, M. Martinón-Torres, T. Rehren, and A. Reid, 'Variability in single smelting episodes – a pilot study using iron slag from Uganda', *Journal of Archaeological Science*, vol. 36, no. 2, pp. 359–369, 2009, doi: 10.1016/j.jas.2008.09.020.

[205]

X. J. Li, 'Crossbows and imperial craft organisation: the bronze triggers of China's Terracotta Army.', *Antiquity*, vol. 88, no. 339, pp. 126–140, 2014 [Online]. Available:

<http://search.ebscohost.com/login.aspx?direct=true&AuthType=ip,shib&db=asu&AN=94949342&site=ehost-live&scope=site>

[206]

M. Martinón-Torres, X. J. Li, A. Bevan, Y. Xia, K. Zhao, and T. Rehren, 'Forty Thousand Arms for a Single Emperor: From Chemical Data to the Labor Organization Behind the Bronze Arrows of the Terracotta Army', *Journal of Archaeological Method and Theory*, vol. 21, no. 3, pp. 534–562, Sep. 2014, doi: 10.1007/s10816-012-9158-z.

[207]

Peacock, D. P. S. and University of Southampton, *Rome in the desert: a symbol of power*. Southampton: University of Southampton, 1992.

[208]

J. Poblome et al., 'The Concept of a Pottery Production Centre. An Archaeometrical Contribution from Ancient Sagalassos', *Journal of Archaeological Science*, vol. 29, no. 8, pp. 873–882, 2002, doi: 10.1006/jasc.2001.0756.

[209]

T. Rehren, E. Pusch, and A. Herold, 'Glass coloring works within a copper-centered industrial complex in Late Bronze Age Egypt', in *The prehistory & history of glassmaking technology*, vol. Ceramics and civilization, Westerville, OH: American Ceramic Society, 1998, pp. 227–250 [Online]. Available: http://www.academia.edu/1082340/Glass_coloring_works_within_a_copper-centered_industrial_complex_in_Late_Bronze_Age_Egypt

[210]

T. Rehren, E. Pusch, and A. Herold, 'Qantir-Piramesses and the organisation of the Egyptian glass industry', in *The social context of technological change: Egypt and the Near East, 1650-1550 B.C. : proceedings of a conference held at St Edmund Hall, Oxford, 12-14 September 2000*, Oxford: Oxbow, 2001, pp. 223–238 [Online]. Available: http://ls-tlss.ucl.ac.uk/course-materials/ARCLG107_45094.pdf

[211]

T. Rehren and M. Martinon-Torres, 'Chapter 9: Naturam ars imitata: European brassmaking between craft and science', in Archaeology, history and science: integrating approaches to ancient materials, vol. Publications of the Institute of Archaeology, University College London, Walnut Creek, CA: Left Coast Press, 2008, pp. 167–188 [Online]. Available: <http://www.ucl.eblib.com/patron/FullRecord.aspx?p=677776>

[212]

Prudence M. Rice, William Y. Adams, Joseph W. Ball, Whitney M. Davis, Timothy Earle, Robert E. Fry, Ian Hodder, L. R. V. Joesink-Mandeville, Charles C. Kolb, Masae Nishimura, Yasushi Kojo, Miguel Rivera Dorado, Barbara L. Stark and Sander E. Van Der Leeuw, 'Evolution of Specialized Pottery Production: A Trial Model [and Comments and Reply]', Current Anthropology, vol. 22, no. 3, pp. 219–240, 1981 [Online]. Available: <http://www.jstor.org.libproxy.ucl.ac.uk/stable/2742199>

[213]

Prudence M. Rice, 'Recent Ceramic Analysis: 2. Composition, Production, and Theory', Journal of Archaeological Research, vol. 4, no. 3, pp. 165–202, 1996 [Online]. Available: <http://www.jstor.org.libproxy.ucl.ac.uk/stable/41053131>

[214]

Prudence M. Rice, 'Late Classic Maya Pottery Production: Review and Synthesis', Journal of Archaeological Method and Theory, vol. 16, no. 2, pp. 117–156, 2009 [Online]. Available: <http://www.jstor.org.libproxy.ucl.ac.uk/stable/25653117>

[215]

Valentine Roux, 'Ceramic Standardization and Intensity of Production: Quantifying Degrees of Specialization', American Antiquity, vol. 68, no. 4, pp. 768–782, 2003, doi: 10.2307/3557072. [Online]. Available: <http://www.jstor.org/stable/3557072>

[216]

S. Shennan, 'Cost, benefit and value in the organization of early European copper production', Antiquity, vol. 73, no. 280, pp. 352–363, 1999 [Online]. Available: <http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=9434845&fulltextType=RA&fileId=S0003598X0008830X>

[217]

A. J. Shortland, 'The Number, Extent and Distribution of the Vitreous Materials Workshops at Amarna', *Oxford Journal of Archaeology*, vol. 19, no. 2, pp. 115–134, 2000, doi: 10.1111/1468-0092.00104.

[218]

A. Shortland, P. Nicholson, and C. Jackson, 'Glass and faience at Amarna: different methods of both supply for production and subsequent distribution', in *The social context of technological change: Egypt and the Near East, 1650-1550 B.C. : proceedings of a conference held at St Edmund Hall, Oxford, 12-14 September 2000*, Oxford: Oxbow, 2001.

[219]

S. Jones, 'Nations, cultures and types: dismantling archaeological discourses of the Orcadian Neolithic and beyond', in *Auf der Suche nach Identitäten: Volk, Stamm, Kultur, Ethnos : internationale Tagung der Universität Leipzig vom 8.-9. Dezember 2000 im Rahmen des Sonderforschungsbereiches 417 'Regionenbezogene Identifikationsprozesse, das Beispiel Sachsen' und des Teilprojektes A5 der Professur für Ur- und Frühgeschichte 'Ethnogenese und Traditionskonstruktion, archäologische Quellen und ihre Deutungen in der Historiographie des 19. und 20. Jahrhunderts'*, vol. BAR international series, Oxford: Archaeopress, 2007, pp. 81–92.

[220]

A. Dolfini, 'The function of Chalcolithic metalwork in Italy: an assessment based on use-wear analysis', *Journal of Archaeological Science*, vol. 38, no. 5, pp. 1037–1049, May 2011, doi: 10.1016/j.jas.2010.11.025.

[221]

A. Gramsch, *Vergleichen als historische Methode. Analogien in den Archäologien*, vol. BAR international series. Oxford: Archaeopress, 2000.

[222]

N. Goodale, H. Otis, W. Andrefsky, I. Kuijt, B. Finlayson, and K. Bart, 'Sickle blade life-history and the transition to agriculture: an early Neolithic case study from Southwest Asia', *Journal of Archaeological Science*, vol. 37, no. 6, pp. 1192–1201, Jun. 2010, doi:

10.1016/j.jas.2009.12.017.

[223]

U. Ickerdt, Einführung in das Grundproblem des archäologisch-kulturhistorischen Vergleichens und Deutens. Frankfurt, Peter Lang, 2010 [Online]. Available: <http://www.peterlang.com/index.cfm?event=cmp.ccc.seitenstruktur.detailseiten&seitentyp=produkt&pk=56299&cid=534&concordeid=59799>

[224]

Bruce A. Jones, 'Use-Wear Analysis of White Mountain Redwares at Grasshopper Pueblo, Arizona', *Kiva*, vol. 54, no. 4, pp. 353–360, 1989 [Online]. Available: <http://www.jstor.org.libproxy.ucl.ac.uk/stable/30247208>

[225]

C. Lemorini and S. Nunziante Cesaro, Eds., An integration of the use-wear and residue analysis for the identification of the function of archaeological stone tools: proceedings of the international workshop, Rome, March 5th-7th, 2012, vol. BAR international series. Oxford: Archaeopress, 2014.

[226]

L. Longo, N. N. Skakun, Congress Prehistoric technology: 40 years later, Verona (Italy). Museo di storia naturale, and Università di Verona, 'Prehistoric technology' 40 years later: functional studies and the Russian legacy, vol. BAR international series. Oxford: Archaeopress, 2008.

[227]

S. L. López Varela, A. van Gijn, and L. Jacobs, 'De-mystifying Pottery Production in the Maya Lowlands: Detection of Traces of Use-Wear on Pottery Sherds through Microscopic Analysis and Experimental Replication', *Journal of Archaeological Science*, vol. 29, no. 10, pp. 1133–1147, Oct. 2002, doi: 10.1006/jasc.2002.0760.

[228]

J. M. Marreiros, J. F. Gibaja Bao, and N. Ferreira Bicho, Eds., Use-Wear and Residue Analysis

in Archaeology. Cham: Springer International Publishing, 2015 [Online]. Available:
<http://link.springer.com/10.1007/978-3-319-08257-8>

[229]

A. L. van Gijn, Flint in focus: lithic biographies in the Neolithic and Bronze Age. Leiden: Sidestone Press, 2010.

[230]

A. L. van Gijn, J. C. Whittaker, and P. C. Anderson, Eds., Explaining and exploring diversity in agricultural technology, vol. Early agricultural remnants and technical heritage (EARTH). Oxford: Oxbow Books, 2014.

[231]

J. M. Skibo, Pottery function: a use-alteration perspective, vol. Interdisciplinary contributions to archaeology. New York: Plenum Press, 1992.

[232]

J. Carmen, 'Commodities, rubbish and treasure: valuing archaeological objects', Archaeological review from Cambridge, vol. 9, pp. 195–207, 1990 [Online]. Available: http://ls-tlss.ucl.ac.uk/course-materials/ARCLG107_47259.pdf

[233]

E. E. Cochrane and A. Gardner, Evolutionary and interpretive archaeologies: a dialogue, vol. Publications of the Institute of Archaeology, University College London. Walnut Creek, Calif: Left Coast, 2011.

[234]

M. Fernández-Götz, La construcción arqueológica de la etnicidad, vol. Serie Keltia. Noia: Toxosoutos, 2008.

[235]

A. Jones, Memory and material culture, vol. Topics in contemporary archaeology. Cambridge: Cambridge University Press, 2007.

[236]

S. Jones, The archaeology of ethnicity: constructing identities in the past and present. London: Routledge, 1997.

[237]

R. Larick, 'Age grading and ethnicity in the style of Loikop (Samburu) spears', World Archaeology, vol. 18, no. 2, pp. 269–283, Oct. 1986, doi: 10.1080/00438243.1986.9980003.

[238]

K. T. Lillios and V. Tsamis, Material mnemonics: everyday memory in prehistoric Europe. Oxford: Oxbow Books, 2010.

[239]

M. Díaz-Andreu García, The archaeology of identity: approaches to gender, age, status, ethnicity and religion. London: Routledge, 2005.

[240]

L. Olivier, 'The Hochdorf "princely" grave and the question of the nature of archaeological funerary assemblages', in Time and archaeology, vol. One world archaeology, London: Routledge, 1999, pp. 109–138.

[241]

L. Olivier, The dark abyss of time: archaeology and memory, vol. Archaeology in society series. Lanham, Md: AltaMira Press, 2011.

[242]

W. A. Parkinson, 'Tribal boundaries: Stylistic variability and social boundary maintenance during the transition to the Copper Age on the Great Hungarian Plain', *Journal of Anthropological Archaeology*, vol. 25, no. 1, pp. 33–58, Mar. 2006, doi: 10.1016/j.jaa.2005.06.002.

[243]

M. Porr, 'Palaeolithic Art as Cultural Memory: a Case Study of the Aurignacian Art of Southwest Germany', *Cambridge Archaeological Journal*, vol. 20, no. 01, Feb. 2010, doi: 10.1017/S0959774310000065.

[244]

J. R. Sackett, 'Approaches to style in lithic archaeology', *Journal of Anthropological Archaeology*, vol. 1, no. 1, pp. 59–112, Mar. 1982, doi: 10.1016/0278-4165(82)90008-3.

[245]

S. J. Shennan and J. R. Wilkinson, 'Ceramic Style Change and Neutral Evolution: A Case Study from Neolithic Europe', *American Antiquity*, vol. 66, no. 4, pp. 577–593, 2001 [Online]. Available: <http://www.jstor.org/stable/2694174>

[246]

M. L. S. Sørensen, *Gender archaeology*. Cambridge: Polity Press, 2000.

[247]

J. Tehrani and M. Collard, 'Investigating cultural evolution through biological phylogenetic analyses of Turkmen textiles', *Journal of Anthropological Archaeology*, vol. 21, no. 4, pp. 443–463, Dec. 2002, doi: 10.1016/S0278-4165(02)00002-8.

[248]

R. M. Van Dyke and S. E. Alcock, Eds., *Archaeologies of Memory*. Oxford, UK: Blackwell Publishers Ltd, 2003 [Online]. Available: <http://doi.wiley.com/10.1002/9780470774304>

[249]

H. M. Wobst, 'Stylistic behaviour and information exchange', in *For the director: research essays in honor of James B. Griffin*, vol. Anthropological papers, Museum of Anthropology. University of Michigan, Ann Arbor: Museum of Anthropology, University of Michigan, 1997, pp. 317–342.

[250]

A. Woodward, 'Beads and Beakers: heirlooms and relics in the British Early Bronze Age', *Antiquity*, vol. 76, no. 294, pp. 1040–1047, 2002, doi: 10.1017/S0003598X00091845.

[251]

A. Appadurai, 'Introduction: commodities and the politics of value', in *The social life of things: commodities in cultural perspective*, Cambridge: Cambridge University Press, 1986, pp. 3–63.

[252]

T. Earle, 'Exchange systems in prehistory', in *Trade and exchange: archaeological studies from history and prehistory*, New York: Springer, 2010, pp. 205–217.

[253]

M. Sahlins, 'On the sociology of primitive exchange', in *Stone Age economics*, London: Routledge, 1974, pp. 185–275 [Online]. Available: http://ls-tlss.ucl.ac.uk/course-materials/ARCLG107_69459.pdf

[254]

M. Hughes, 'Tracing to source', in *Science and the past*, London: British Museum Press, 1991.

[255]

L. Wilson and A. M. Pollard, 'The provenance hypothesis', in *Handbook of archaeological sciences*, Chichester: John Wiley, 2001, pp. 507–517.

[256]

R. H. Tykot, 'Archaeological provenance studies', in Physics methods in archaeometry, vol. Proceedings of the International School of Physics 'Enrico Fermi', Amsterdam: IOS Press, 2004, pp. 407-432.

[257]

A. A. Bauer and A. S. Agbe-Davies, 'Rethinking trade as a social activity: an introduction', in Social archaeologies of trade and exchange: exploring relationships among people, places, and things, Walnut Creek, Calif: Left Coast Press, 2010, pp. 13-28 [Online]. Available:
http://www.academia.edu/659814/Rethinking_Trade_as_a_Social_Activity_An_Introduction

[258]

Crump, Thomas, The phenomenon of money. London: Routledge & Kegan Paul, 1981.

[259]

George Dalton, 'Theoretical Issues in Economic Anthropology', Current Anthropology, vol. 10, no. 1, pp. 63-102, 1969 [Online]. Available:
<http://www.jstor.org/stable/2740685?&Search=yes&searchText=anthropology&searchText=issues&searchText=Theoretical&searchText=economic&list=hide&searchUri=%252Factiron%252FdoBasicSearch%253FQuery%253DTheoretical%252Bissues%252Bin%252Beconomic%252Banthropology%2526acc%253Don%2526wc%253Don%2526fc%253Doff&prevSearch=&item=6&ttl=42299&returnArticleService=showFullText>

[260]

John H. Dowling, 'The Goodfellows vs. the Dalton Gang: The Assumptions of Economic Anthropology', Journal of Anthropological Research, vol. 35, no. 3, pp. 292-308, 1979 [Online]. Available: <http://www.jstor.org/stable/3629904>

[261]

T. Earle, 'Production and exchange in prehistory', in Companion encyclopedia of archaeology, London: Routledge, 1999, pp. 608-635 [Online]. Available:

http://ls-tlss.ucl.ac.uk/course-materials/ARCLG107_45082.pdf

[262]

C. A. Gregory, 'Gifts to Men and Gifts to God: Gift Exchange and Capital Accumulation in Contemporary Papua', *Man*, vol. 15, no. 4, pp. 626–652, 1980 [Online]. Available: <http://www.jstor.org.libproxy.ucl.ac.uk/stable/2801537>

[263]

C. A. Gregory, 'Exchange and reciprocity', in Companion encyclopedia of anthropology, [New ed.], vol. Routledge world reference, London: Routledge, 2002, pp. 911–933.

[264]

Mauss, Marcel, *The gift: the form and reason for exchange in archaic societies*, vol. Routledge classics. London: Routledge, 2002.

[265]

Polanyi, Karl, *Trade and market in the early empires: economies in history and theory*. Glencoe, Ill: Free Press.

[266]

C. Renfrew, 'Trade as action at a distance', in *Ancient civilization and trade*, 1st ed., vol. School of American Research advanced seminar series, Albuquerque: University of New Mexico Press, 1975, pp. 3-59 [Online]. Available: <https://contentstore.cla.co.uk//secure/link?id=4d6d7854-7036-e711-80c9-005056af4099>

[267]

Monica L. Smith, 'The Role of Ordinary Goods in Premodern Exchange', *Journal of Archaeological Method and Theory*, vol. 6, no. 2, pp. 109–135, 1999 [Online]. Available: <http://www.jstor.org.libproxy.ucl.ac.uk/stable/20177399>

[268]

Weiner, Annette B., *Inalienable possessions: the paradox of keeping-while-giving*. Berkeley: University of California Press, 1992.

[269]

N. K. Adams, 'Political affinities and economic fluctuations: the evidence from textiles', in *Ancient textiles: production, craft and society : proceedings of the First International Conference on Ancient Textiles*, held at Lund, Sweden, and Copenhagen, Denmark, on March 19-23, 2003, Oxford: Oxbow Books, 2007, pp. 201-207 [Online]. Available: <https://contentstore.cla.co.uk//secure/link?id=a430ef6a-8236-e711-80c9-005056af4099>

[270]

D. B. Bamforth and P. C. Woodman, 'Tool hoards and Neolithic use of the landscape in north-eastern Ireland', *Oxford Journal of Archaeology*, vol. 23, no. 1, pp. 21-44, 2004, doi: 10.1111/j.1468-0092.2004.00200.x.

[271]

J. C. Barrett and S. P. Needham, 'Production, circulation and exchange: problems in the interpretation of Bronze Age bronzework', in *The Archaeology of context in the Neolithic and Bronze Age: recent trends*, vol. Recent trends series, Sheffield: Department of Archaeology and Prehistory, University of Sheffield, 1988, pp. 127-140 [Online]. Available: http://ls-tlss.ucl.ac.uk/course-materials/ARCLG107_45069.pdf

[272]

C. Bell, 'Wheels within wheels? A view of Mycenaean trade from the Levantine emporia', in *Emporia: Aegeans in the central and eastern Mediterranean : proceedings of the 10th International Aegean Conference/10e Rencontre égénienne internationale*, Athens, Italian School of Archaeology, 14-18 April 2004, vol. Aegaeum, Liège: Université de Liège, Histoire de l'art et archéologie de la Grèce antique, 2005, pp. 363-370.

[273]

Bradley, Richard and Edmonds, M. R., *Interpreting the axe trade: production and exchange in Neolithic Britain*, vol. New studies in archaeology. Cambridge: Cambridge University Press, 1993.

[274]

Clough, T. H. McK. and Cummins, W. A., Stone axe studies: Volume 2: The petrology of prehistoric stone implements from the British Isles, vol. Research report / Council for British Archaeology. London: Council for British Archaeology, 1988.

[275]

Cooney, Gabriel, Mandal, Stephen, Byrnes, Emmet, and O'Carroll, Finola, The Irish Stone Axe Project: Monograph I. Bray: Wordwell, 1998.

[276]

E. E. Cochrane and H. Neff, 'Investigating compositional diversity among Fijian ceramics with laser ablation-inductively coupled plasma-mass spectrometry (LA-ICP-MS): implications for interaction studies on geologically similar islands', Journal of Archaeological Science, vol. 33, no. 3, pp. 378-390, 2006, doi: 10.1016/j.jas.2005.08.003.

[277]

Crawford, Michael H., Coinage and money under the Roman Republic: Italy and the Mediterranean economy, vol. The Library of numismatics. London: Methuen, 1985.

[278]

Creighton, John, Coins and power in late Iron Age Britain, vol. New studies in archaeology. Cambridge: Cambridge University Press, 2000.

[279]

M. Dietler, 'Rituals of commensality and the politics of state formation in the "Princely" societies of Early Iron Age Europe', in Les princes de la protohistoire et l'émergence de l'Etat: actes de la table ronde internationale organisée par le Centre Jean Bérard et l'Ecole française de Rome, Naples, 27-29 octobre 1994, vol. Collection de l'Ecole française de Rome, Naples: Centre J. Bérard, 1999, pp. 135-152.

[280]

Dietler, Michael, *Archaeologies of colonialism: consumption, entanglement, and violence in ancient Mediterranean France*, vol. The Joan Palevsky imprint in classical literature. Berkeley: University of California Press, 2010.

[281]

Dillian, Carolyn D. and White, Carolyn L., *Trade and exchange: archaeological studies from history and prehistory*. New York: Springer, 2010.

[282]

Edmonds, M. R., *Stone tools and society: working stone in Neolithic and Bronze Age Britain*. London: Routledge, 1995.

[283]

S. Frankenstein and M. Rowlands, 'The Internal Structure and regional Context of Early Iron Age Society in South-Western Germany', in *Social transformations in archaeology: global and local perspectives*, vol. *Material cultures*, London: Routledge, 1998.

[284]

Philip Grierson, 'Commerce in the Dark Ages: A Critique of the Evidence', *Transactions of the Royal Historical Society*, vol. 9, pp. 123–140, 1959 [Online]. Available: <http://www.jstor.org/stable/3678808>

[285]

Kenneth G. Hirth, 'Political Economy and Archaeology: Perspectives on Exchange and Production', *Journal of Archaeological Research*, vol. 4, no. 3, pp. 203–239, 1996 [Online]. Available: <http://www.jstor.org/stable/41053132>

[286]

Ian Hodder, 'Regression Analysis of Some Trade and Marketing Patterns', *World Archaeology*, vol. 6, no. 2, pp. 172–189, 1974 [Online]. Available: <http://www.jstor.org/stable/124001>

[287]

Hodder, Ian and Orton, Clive, Spatial analysis in archaeology, vol. New studies in archaeology. Cambridge: Cambridge University Press, 1976.

[288]

Christopher Howgego, 'The Supply and Use of Money in the Roman World 200 B.C. to A.D. 300', *The Journal of Roman Studies*, vol. 82, pp. 1-31, 1992 [Online]. Available: <http://www.jstor.org/stable/301282>

[289]

E. Lo Cascio, 'How did the Romans view their coinage and its function?', in *Coin finds and coin use in the Roman world: the thirteenth Oxford Symposium on Coinage and Monetary History, 25.-27.3.1993 : a NATO advanced research workshop*, vol. *Studien zu Fundmünzen der Antike*, Berlin: Gebr. Mann Verlag, 1996, pp. 273-287.

[290]

L. D. Minc, 'Monitoring regional market systems in prehistory: Models, methods, and metrics', *Journal of Anthropological Archaeology*, vol. 25, no. 1, pp. 82-116, 2006, doi: 10.1016/j.jaa.2005.09.003.

[291]

S. Needham, 'Displacement and exchange in archaeological methodology', in *Trade and exchange in prehistoric Europe: proceedings of a conference held at the University of Bristol, April 1992*, Oxford: published by Oxbow Books in association with the Prehistoric Society and the Société préhistorique française, 1993, pp. 161-169 [Online]. Available: <https://contentstore.cla.co.uk/secure/link?id=d834d987-1564-e811-80cd-005056af4099>

[292]

W. A. Parkinson, 'Tribal boundaries: Stylistic variability and social boundary maintenance during the transition to the Copper Age on the Great Hungarian Plain', *Journal of Anthropological Archaeology*, vol. 25, no. 1, pp. 33-58, 2006, doi: 10.1016/j.jaa.2005.06.002.

[293]

Peacock, D. P. S. and Williams, D. F., *Amphorae and the Roman economy: an introductory guide*, vol. Longman archaeology series. London: Longman, 1986.

[294]

C. Perlés, 'Systems of exchange and organization of production in Neolithic Greece.', *Journal of Mediterranean archaeology*, vol. 5, no. 2, pp. 115–164, 1992, doi: 10.1558/jmea.v5i2.115.

[295]

G. J. Stein, D. Hollander, and M. Schwartz, 'Reconstructing Mesopotamian Exchange Networks in the 4th Millennium BC: Geochemical and Archaeological Analyses of Bitumen Artifacts from Hacinebi Tepe, Turkey', *Paléorient*, vol. 25, no. 1, pp. 67–82, 1999, doi: 10.3406/paleo.1999.989.

[296]

S. Shennan, 'Commodities, transactions and growth in the Central European Early Bronze Age', *European journal of archaeology*, vol. 1, no. 2, pp. 59–72, 1993 [Online]. Available: http://metalib.ucl.ac.uk:9003/sfx_local?url_ver=Z39.88-2004&ctx_ver=Z39.88-2004&ctx_enc=info:ofi/enc:UTF-8&rfr_id=info:sid/sfxit.com:opac_856&url_ctx_fmt=info:ofi/fmt:kev:mtx:ctx&sfx.ignore_date_threshold=1&rft.object_id=963017837284&svc_val_fmt=info:ofi/fmt:kev:mtx:sch_svc&

[297]

S. Sherratt, 'Eppur si muove: Pots, markets, and values in the second-millennium Mediterranean', in *The complex past of pottery: production, circulation and consumption of Mycenaean and Greek pottery (sixteenth to early fifth centuries BC) : proceedings of the ARCHON international conference, held in Amsterdam, 8-9 November 1996*, Amsterdam: J.C. Gieben, 1999, pp. 163–211.

[298]

A. G. Sherratt and E. S. Sherratt, 'From luxuries to commodities: The nature of Mediterranean Bronze Age trading systems', in *Bronze age trade in the Mediterranean:*

papers presented at the Conference held at Rewley House, Oxford, in December 1989, vol. Studies in Mediterranean archaeology, Jonsered: Åstrom, 1991, pp. 351–386.

[299]

B. Sillar, 'Reputable pots and disreputable potters: Individual and community choice in present-day pottery production and exchange in the Andes', in Not so much a pot, more a way of life: current approaches to artefact analysis in archaeology, vol. Oxbow monograph, Oxford: Oxbow, 1997, pp. 1–20.

[300]

P. Blinkhorn and C. G. Cumberpatch, Not so much a pot, more a way of life: current approaches to artefact analysis in archaeology, vol. Oxbow monograph. Oxford: Oxbow, 1997.

[301]

S. Van Der Leuw, 'Some notes from the potter's point of view', in The complex past of pottery: production, circulation and consumption of Mycenaean and Greek pottery (sixteenth to early fifth centuries BC) : proceedings of the ARCHON international conference, held in Amsterdam, 8-9 November 1996, Amsterdam: J.C. Gieben, 1999, pp. 115–132.

[302]

G. Woolf, 'World-systems analysis and the Roman empire', Journal of Roman archaeology, vol. 3, pp. 44–58, 1999 [Online]. Available:
<http://berlinarchaeology.files.wordpress.com/2013/01/woolf-1990.pdf>

[303]

'Flintsource.Net'. [Online]. Available: <http://www.flintsource.net/>

[304]

'IAOS World Obsidian Source Catalog'. [Online]. Available:
http://www.obsidianlab.com/sourcecatalog/s_home.html

[305]

K. P. FREUND, 'AN ASSESSMENT OF THE CURRENT APPLICATIONS AND FUTURE DIRECTIONS OF OBSIDIAN SOURCING STUDIES IN ARCHAEOLOGICAL RESEARCH', *Archaeometry*, vol. 55, no. 5, pp. 779–793, 2013, doi: 10.1111/j.1475-4754.2012.00708.x.

[306]

B. Gratuze, 'Obsidian Characterization by Laser Ablation ICP-MS and its Application to Prehistoric Trade in the Mediterranean and the Near East: Sources and Distribution of Obsidian within the Aegean and Anatolia', *Journal of Archaeological Science*, vol. 26, no. 8, pp. 869–881, 1999, doi: 10.1006/jasc.1999.0459.

[307]

N. Herz, 'Sourcing lithic artefacts by instrumental analysis', in *Earth sciences and archaeology*, New York: Kluwer Academic/Plenum Publishers, 2001, pp. 449–472.

[308]

B. B. Huckell, J. D. Kilby, M. T. Boulanger, and M. D. Glascock, 'Sentinel Butte: neutron activation analysis of White River Group chert from a primary source and artifacts from a Clovis cache in North Dakota, USA', *Journal of Archaeological Science*, vol. 38, no. 5, pp. 965–976, 2011, doi: 10.1016/j.jas.2010.11.011.

[309]

Pollard, A. M., Heron, Carl, and Royal Society of Chemistry (Great Britain), *Archaeological chemistry*, 2nd ed. Cambridge: Royal Society of Chemistry, 2008.

[310]

Y. Maniatis, 'Scientific techniques and methodologies for the provenance of white marble', in *Physics methods in archaeometry*, vol. Proceedings of the International School of Physics 'Enrico Fermi', Amsterdam: IOS Press, 2004, pp. 179–202.

[311]

C. Renfrew, J. E. Dixon, and J. R. Cann, 'Obsidian and early cultural contact in the Near East', *Proceedings of the Prehistoric Society*, vol. 32, pp. 30–72, Dec. 1966, doi: 10.1017/S0079497X0001433X.

[312]

Michael E. Smith, Adrian L. Burke, Timothy S. Hare and Michael D. Glascock, 'Sources of Imported Obsidian at Postclassic Sites in the Yautepec Valley, Morelos: A Characterization Study Using XRF and INAA', *Latin American Antiquity*, vol. 18, no. 4, pp. 429–450, 2007 [Online]. Available: <http://www.jstor.org/stable/25478196>

[313]

R. S. Thorpe, 'The geological sources and transport of the bluestones of Stonehenge, Wiltshire, U.K', *Proceedings of the Prehistoric Society*, pp. 103–157, 1991.

[314]

J. P. Blomster, 'Olmec Pottery Production and Export in Ancient Mexico Determined Through Elemental Analysis', *Science*, vol. 307, no. 5712, pp. 1068–1072, 2005, doi: 10.1126/science.1107599.

[315]

P. M. Day, E. Kiriatzi, A. Tsolakidou, and V. Kilikoglou, 'Group Therapy in Crete: A Comparison Between Analyses by NAA and Thin Section Petrography of Early Minoan Pottery', *Journal of Archaeological Science*, vol. 26, no. 8, pp. 1025–1036, 1999, doi: 10.1006/jasc.1999.0424.

[316]

I. Freestone, 'Ceramic Petrography', *American journal of archaeology*, vol. 99, pp. 111–115, 1995.

[317]

Patrick E. McGovern, Thomas L. Sever, J. Wilson Myers, Eleanor Emlen Myers, Bruce Bevan,

Naomi F. Miller, S. Bottema, Hitomi Hongo, Richard H. Meadow, Peter Ian Kuniholm, S. G. E. Bowman, M. N. Leese, R. E. M. Hedges, Frederick R. Matson, Ian C. Freestone, Sarah J. Vaughan, Julian Henderson, Pamela B. Vandiver, Charles S. Tumosa, Curt W. Beck, Patricia Smith, A. M. Child, A. M. Pollard, Ingolf Thuesen and Catherine Sease, 'Science in Archaeology: A Review', *American Journal of Archaeology*, vol. 99, no. 1, pp. 79–142, 1995 [Online]. Available: <http://www.jstor.org/stable/506880>

[318]

E. L. Morris and A. Woodward, 'Ceramic petrology and prehistoric pottery in the UK', *Proceedings of the Prehistoric Society*, vol. 69, pp. 279–304, Jan. 2003, doi: 10.1017/S0079497X00001353.

[319]

D. P. S. Peacock, 'Neolithic pottery production in Cornwall', *Antiquity*, vol. 43, no. 170, pp. 145–149, 1969 [Online]. Available: <http://search.proquest.com/docview/1293745764?accountid=14511>

[320]

N. H. Gale, 'A response to the paper of A. M. Pollard', in *From mine to microscope: advances in the study of ancient technology*, Oxford: Oxbow Books, 2009, pp. 191–196 [Online]. Available: <http://www.UCL.eblib.com/patron/Read.aspx?p=1696495&pg=1>

[321]

N. H. Gale and Z. Stos-Gale, 'Lead isotope analyses applied to provenance studies.', in *Modern analytical methods in art and archaeology*, vol. *Chemical analysis*, New York: Wiley, 2000, pp. 503–584.

[322]

M. F. GUERRA, T. CALLIGARO, and A. PEREA, 'THE TREASURE OF GUARRAZAR: TRACING THE GOLD SUPPLIES IN THE VISIGOTHIC IBERIAN PENINSULA', *Archaeometry*, vol. 49, no. 1, pp. 53–74, 2007, doi: 10.1111/j.1475-4754.2007.00287.x.

[323]

Krause, Rüdiger, Studien zur kupfer- und frühbronzezeitlichen Metallurgie zwischen Karpatenbecken und Ostsee, vol. Vorgeschichtliche Forschungen. Rahden/Westf: Leidorf, 2003.

[324]

E. Pernicka, 'Archaeometallurgy: examples of the application of scientific methods to the provenance of archaeological metal objects', in Physics methods in archaeometry, vol. Proceedings of the International School of Physics 'Enrico Fermi', Amsterdam: IOS Press, 2004, pp. 309-329.

[325]

A. M. Pollard, 'Chapter 17: What a long, strange Trip it's been: lead Isotopes and Archaeology', in From mine to microscope: advances in the study of ancient technology, Oxford: Oxbow Books, 2009, pp. 181-189 [Online]. Available: <http://www.ucl.eblib.com/patron/FullRecord.aspx?p=1696495>

[326]

Z. Stos-Gale, 'Chapter 16: Across the wine dark seas.... sailor tinkers and royal cargoes in the late Bronze Age Eastern Mediterranean.', in From mine to microscope: advances in the study of ancient technology, Oxford: Oxbow Books, 2009, pp. 163-180 [Online]. Available: <http://www.ucl.eblib.com/patron/FullRecord.aspx?p=1696495>

[327]

T. Calligaro, J.-C. Dran, J.-P. Poirot, G. Querré, J. Salomon, and J. C. Zwaan, 'PIXE/PIGE characterisation of emeralds using an external micro-beam', Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, vol. 161-163, pp. 769-774, 2000, doi: 10.1016/S0168-583X(99)00974-X.

[328]

T. Calligaro, S. Colinart, J.-P. Poirot, and C. Sudres, 'Combined external-beam PIXE and μ -Raman characterisation of garnets used in Merovingian jewellery', Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, vol. 189, no. 1-4, pp. 320-327, 2002, doi: 10.1016/S0168-583X(01)01078-3.

[329]

B. Gratuze and K. Janssens, 'Provenance analysis of glass artefacts', in Non-destructive microanalysis of cultural heritage materials, vol. Comprehensive analytical chemistry, Amsterdam, London: Elsevier, 2004, pp. 663-712.

[330]

R. S. Popelka-Filcoff, E. J. Miksa, J. D. Robertson, M. D. Glascock, and H. Wallace, 'Elemental analysis and characterization of ochre sources from Southern Arizona', Journal of Archaeological Science, vol. 35, no. 3, pp. 752-762, 2008, doi: 10.1016/j.jas.2007.05.018.

[331]

P. Robertshaw, M. Wood, E. Melchiorre, R. S. Popelka-Filcoff, and M. D. Glascock, 'Southern African glass beads: chemistry, glass sources and patterns of trade', Journal of Archaeological Science, vol. 37, no. 8, pp. 1898-1912, 2010, doi: 10.1016/j.jas.2010.02.016.

[332]

G. J. Stein, D. Hollander, and M. Schwartz, 'Reconstructing Mesopotamian Exchange Networks in the 4th Millennium BC: Geochemical and Archaeological Analyses of Bitumen Artifacts from Hacinebi Tepe, Turkey', Paléorient, vol. 25, no. 1, pp. 67-82, 1999, doi: 10.3406/paleo.1999.989.

[333]

P. C. Weigand, 'Turquoise sources and source analysis: Mesoamerica and the southwestern USA', in Exchange systems in prehistory, vol. Studies in archeology, New York: Academic Press, 1977, pp. 15-34.

[334]

M. E. Beck, 'Midden Ceramic Assemblage Formation: A Case Study from Kalinga, Philippines', American Antiquity, vol. 71, no. 1, pp. 27-51, 2006 [Online]. Available: <http://www.jstor.org/stable/40035320>

[335]

T. Hardy-Smith and P. C. Edwards, 'The Garbage Crisis in prehistory: artefact discard patterns at the Early Natufian site of Wadi Hammeh 27 and the origins of household refuse disposal strategies', *Journal of Anthropological Archaeology*, vol. 23, no. 3, pp. 253–289, 2004, doi: 10.1016/j.jaa.2004.05.001.

[336]

M. B. Schiffer, 'Chapter 1: The nature of archaeological evidence: Chapter 2: The dimensions of artifact variability', in *Formation processes of the archaeological record*, Albuquerque, N.M.: University of New Mexico Press, 1987, pp. 3-23 [Online]. Available: http://ls-tlss.ucl.ac.uk/course-materials/ARCLG107_69460.pdf

[337]

Lewis R. Binford, 'Behavioral Archaeology and the "Pompeii Premise"', *Journal of Anthropological Research*, vol. 37, no. 3, pp. 195–208, 1981 [Online]. Available: <http://www.jstor.org.libproxy.ucl.ac.uk/stable/3629723?&Search=yes&searchText=archaeology&searchText=Behavioral&list=hide&searchUri=%252Faction%252FdoBasicSearch%253FQuery%253DBehavioral%252Barchaeology%252Band%252Bthe%2526Search%253DSearch%2526wc%253Don%2526fc%253Doff%2526globalSearch%253D%2526sbbBox%253D%2526sbjBox%253D%2526sbpBox%253D&prevSearch=&item=17&ttl=9941&returnArticleService=showFullText>

[338]

Richard Bradley, 'The Destruction of Wealth in Later Prehistory', *Man*, vol. 17, no. 1, pp. 108–122, 1982 [Online]. Available: <http://www.jstor.org/stable/2802104>

[339]

Chapman, John, *Fragmentation in archaeology: people, places, and broken objects in the prehistory of south-eastern Europe*. London: Routledge, 2000.

[340]

Chapman, John and Gaydarska, Bissarika, *Parts and wholes: fragmentation in prehistoric context*. Oxford: Oxbow Books, 2007.

[341]

M. Deal, 'Household pottery disposal in the Maya highlands: An ethnoarchaeological interpretation', *Journal of Anthropological Archaeology*, pp. 243–291, 1985, doi: 0278-4165(85)90008-X. [Online]. Available: <http://www.sciencedirect.com/science/article/pii/027841658590008X>

[342]

M. Deal and M. B. Hagstrum, 'Ceramic reuse behavior among the Maya and Wanka: implications for archaeology', in *Expanding archaeology*, Salt Lake City: University of Utah Press, 1995, pp. 111–125.

[343]

B. Hayden and A. Cannon, 'Where the garbage goes: Refuse disposal in the Maya Highlands', *Journal of Anthropological Archaeology*, pp. 117–163, 1983, doi: 0278-4165(83)90010-7. [Online]. Available: <http://www.sciencedirect.com/science/article/pii/0278416583900107>

[344]

Hill, J. D., *Ritual and rubbish in the Iron Age of Wessex: a study on the formation of a specific archaeological record*, vol. BAR British series. Oxford: Tempus Reparatum, 1995.

[345]

S. R. Hutson and T. W. Stanton, 'Cultural Logic and Practical Reason: the Structure of Discard in Ancient Maya Houselots', *Cambridge Archaeological Journal*, vol. 17, no. 02, 2007, doi: 10.1017/S0959774307000212.

[346]

Charles H. LeeDecker, 'Discard Behavior on Domestic Historic Sites: Evaluation of Contexts for the Interpretation of Household Consumption Patterns', *Journal of Archaeological Method and Theory*, vol. 1, no. 4, pp. 345–375, 1994 [Online]. Available: <http://www.jstor.org/stable/20177317>

[347]

L. Martin and N. Russell, 'Trashing rubbish', in *Towards reflexive method in archaeology: the example at Çatalhöyük* : by members of the Çatalhöyük team, vol. McDonald Institute monographs, Cambridge: McDonald Institute for Archaeological Research, 2000, pp. 57–69 [Online]. Available:
<https://contentstore.cla.co.uk//secure/link?id=74d1321e-9136-e711-80c9-005056af4099>

[348]

Moore, Henrietta L., *Space, text, and gender: an anthropological study of the Marakwet of Kenya*. New York: Guilford Press, 1996.

[349]

Needham, Stuart et al., *Refuse and disposal at Area 16 East, Runnymede*, vol. Runnymede Bridge research excavations. London: Trustees of the British Museum, 1996.

[350]

L. Patrik, 'Is there an archaeological record?', *Advances in archaeological method and theory*, vol. 8, pp. 27–62, 1985 [Online]. Available: <http://www.jstor.org/stable/20170186>

[351]

Pounds, Norman John Greville, *Hearth & home: a history of material culture*. Bloomington, [Ind.]: Indiana University Press, 1989.

[352]

Michael B. Schiffer, 'Archaeological Context and Systemic Context', *American Antiquity*, vol. 37, no. 2, pp. 156–165, 1972 [Online]. Available: <http://www.jstor.org/stable/278203>

[353]

Schiffer, Michael B., *Formation processes of the archaeological record*. Albuquerque, N.M.:

University of New Mexico Press, 1987.

[354]

Schofield, A. J. and Theoretical Archaeology Group (England), Interpreting artefact scatters: contributions to ploughzone archaeology, vol. Oxbow monograph. Oxford: Oxbow Books, 1991.

[355]

Michael J. Shott, 'Status and Role of Formation Theory in Contemporary Archaeological Practice', *Journal of Archaeological Research*, vol. 6, no. 4, pp. 299–329, 1998 [Online]. Available: <http://www.jstor.org/stable/41053161>

[356]

U. Sommer, 'Dirt theory, or archaeological sites seen as rubbish heaps', *Journal of theoretical archaeology*, vol. 1, pp. 47–60, 1990.

[357]

U. Sommer, 'Wer hat Dornröschen aufgeweckt? Taphonomie und Mainstream-Archäologie', in *Taphonomische Forschungen (nicht nur) zum Neolithikum*, vol. Fokus Jungsteinzeit, Loogh: Welt und Erde, 2012, pp. 15–34.

[358]

Staski, Edward and Sutro, Livingston D., *The ethnoarchaeology of refuse disposal*, vol. Anthropological research papers. [Tempe, Ariz.]: Arizona State University, 1991.

[359]

Thompson, M., *Rubbish theory: the creation and destruction of value*. Oxford: Oxford University Press, 1979.

[360]

W. Walker, 'Ceremonial trash?', in Expanding archaeology, Salt Lake City: University of Utah Press, 1995, pp. 67–79 [Online]. Available:
http://www.academia.edu/2519493/Ceremonial_Trash

[361]

D. C. Wilson, 'Identification and assessment of secondary refuse aggregates', Journal of archaeological method and theory, vol. 1, no. 1, pp. 41–68, 1994 [Online]. Available:
<http://www.jstor.org/stable/20177304>

[362]

A. Benito-Calvo and I. de la Torre, 'Analysis of orientation patterns in Olduvai Bed I assemblages using GIS techniques: Implications for site formation processes', Journal of Human Evolution, vol. 61, no. 1, pp. 50–60, 2011, doi: 10.1016/j.jhevol.2011.02.011.

[363]

A. Bevan, 'Spatial methods for analysing large-scale artefact inventories.', Antiquity, vol. 86, no. 332, pp. 492–506, 2012 [Online]. Available:
<http://search.proquest.com/docview/1021249050?accountid=14511>

[364]

M. Martinón-Torres, X. J. Li, A. Bevan, Y. Xia, Z. Kun, and T. Rehren, 'Making Weapons for the Terracotta Army', Archaeology International, vol. 13, 2011, doi: 10.5334/ai.1316.

[365]

C. Tilley, S. Hamilton, S. Harrison, and E. Anderson, 'Nature, Culture, Clitter: Distinguishing Between Cultural and Geomorphological Landscapes; The Case of Hilltop Tors in South-West England', Journal of Material Culture, vol. 5, no. 2, pp. 197–224, 2000, doi: 10.1177/135918350000500204.

[366]

A. Bevan, Mediterranean islands, fragile communities and persistent landscapes: Antikythera in long-term perspective. Cambridge: Cambridge University Press, 2013.

[367]

Blankholm, H. P., Intrasite spatial analysis in theory and practice. Aarhus: Aarhus University Press, 1991.

[368]

T. BRUGHMANS, 'CONNECTING THE DOTS: TOWARDS ARCHAEOLOGICAL NETWORK ANALYSIS', Oxford Journal of Archaeology, vol. 29, no. 3, pp. 277-303, 2010, doi: 10.1111/j.1468-0092.2010.00349.x.

[369]

Hietala, Harold J., Intrasite spatial analysis in archaeology, vol. New directions in archaeology. Cambridge: Cambridge University Press, 1984.

[370]

Hodder, Ian and Orton, Clive, Spatial analysis in archaeology, vol. New studies in archaeology. Cambridge: Cambridge University Press, 1976.

[371]

M. Katsianis, S. Tsipidis, K. Kotsakis, and A. Kousoulakou, 'A 3D digital workflow for archaeological intra-site research using GIS', Journal of Archaeological Science, vol. 35, no. 3, pp. 655-667, 2008, doi: 10.1016/j.jas.2007.06.002.

[372]

Kroll, Ellen M., Price, T. Douglas, and Society for American Archaeology, The interpretation of archaeological spatial patterning, vol. Interdisciplinary contributions to archaeology. New York: Plenum Press, 1991.

[373]

P. C. Livingood and A. S. Cordell, 'Point/counter point: the accuracy and feasibility of digital image techniques in the analysis of ceramic thin sections', Journal of Archaeological

Science, vol. 36, no. 3, pp. 867–872, 2009, doi: 10.1016/j.jas.2008.11.015.

[374]

A. Vanzetti et al., 'The iceman as a burial', *Antiquity*, vol. 84, no. 325, pp. 681–692, 2010 [Online]. Available: <http://search.proquest.com/docview/755013317?accountid=14511>

[375]

'STRAND B - RESEARCH DESIGN AND MATERIALS ANALYSIS' . . .

[376]

'Archaeometry - Volume 49, Issue 2 - May 2007 - Wiley Online Library' [Online]. Available: <http://onlinelibrary.wiley.com.libproxy.ucl.ac.uk/doi/10.1111/arch.2007.49.issue-2/issuetoc;jsessionid=C29BB0DA1059927413EA82D1C17CC253.d03t04>

[377]

'Archaeometry - Volume 50, Issue 6 - December 2008 - Wiley Online Library' [Online]. Available: <http://onlinelibrary.wiley.com.libproxy.ucl.ac.uk/doi/10.1111/arch.2008.50.issue-6/issuetoc>

[378]

'Archaeometry - Volume 50, Issue 6 - December 2008 - Wiley Online Library' [Online]. Available: <http://onlinelibrary.wiley.com.libproxy.ucl.ac.uk/doi/10.1111/arch.2008.50.issue-6/issuetoc>

[379]

G. Artioli and I. Angelini, *Scientific methods and cultural heritage: an introduction to the application of materials science to archaeometry and conservation science*. Oxford: Oxford University Press, 2010.

[380]

S. Bowman and British Museum. Department of Scientific Research, Science and the past. Toronto, Ont: University of Toronto Press, 1991 [Online]. Available: <http://www.jstor.org/stable/10.3138/j.ctt2tv44s>

[381]

D. R. Brothwell and A. M. Pollard, Handbook of archaeological sciences. Chichester: John Wiley, 2001.

[382]

G. Demortier, A. Adriaens, European Cooperation in the Field of Scientific and Technical Research (Organization), and European Commission, Ion beam study of art and archaeological objects, vol. EUR. Luxembourg: Office for Official Publications of the European Communities, 2000.

[383]

J.-C. Dran, J. Salomon, T. Calligaro, and P. Walter, 'Ion beam analysis of art works: 14 years of use in the Louvre', Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, vol. 219–220, pp. 7–15, 2004, doi: 10.1016/j.nimb.2004.01.019.

[384]

E. Ciliberto and G. Spoto, Modern analytical methods in art and archaeology, vol. Chemical analysis. New York: Wiley, 2000.

[385]

H. G. M. Edwards, J. M. Chalmers, and Royal Society of Chemistry (Great Britain), Raman spectroscopy in archaeology and art history, vol. RSC analytical spectroscopy monographs. Cambridge: Royal Society of Chemistry, 2005.

[386]

Edwards, Howell G. M. and Lewis, Ian R., Handbook of Raman spectroscopy: from the

research laboratory to the process line, vol. Practical spectroscopy. New York: Marcel Dekker, 2001.

[387]

A. Giumenti-Mair, 'Surface characterisation techniques in the study and conservation of art and archaeological artefacts: a review', Materials technology, vol. 25, no. 5, pp. 345–261, 2010 [Online]. Available:
http://www.academia.edu/3427109/Surface_characterisation_techniques_in_the_study_and_conservation_of_art_and_archaeological_artefacts_a_review_Giumenti-Mair_Albertson_Boscian_Giachi_Lacomussi_Pallecchi_Rossi_Shugar_and_Stock_

[388]

Z. Goffer, Archaeological chemistry, 2nd ed. Hoboken, N.J.: Wiley, 2007.

[389]

J. Henderson, Scientific analysis in archaeology and its interpretation, vol. UCLA Institute of Archaeology, archaeological research tools. Oxford: Oxford University Committee for Archaeology, Institute of Archaeology, 1989.

[390]

J. Henderson, The science and archaeology of materials: an investigation of inorganic materials. London: Routledge, 2000.

[391]

K. H. A. Janssens and R. van Grieken, Non-destructive microanalysis of cultural heritage materials, vol. Comprehensive analytical chemistry. Amsterdam, London: Elsevier, 2004.

[392]

J. B. Lambert, Traces of the past: unraveling the secrets of archaeology through chemistry, vol. Helix books. Cambridge, Mass: Perseus, 1997.

[393]

M. Martini, M. Milazzo, M. Piacentini, Società italiana di fisica, and International School of Physics 'Enrico Fermi', Physics methods in archaeometry, vol. Proceedings of the International School of Physics 'Enrico Fermi'. Amsterdam: IOS Press, 2004.

[394]

M. Martinón-Torres and T. Rehren, Archaeology, history and science: integrating approaches to ancient materials, vol. Publications of the Institute of Archaeology, University College London. Walnut Creek, CA: Left Coast Press, 2008.

[395]

J.-F. Moreau, Proceedings: ISA 2006 : 36th International Symposium on Archaeometry : 2-6 May 2006, Quebec City, Canada, vol. Cahiers d'archéologie du CELAT. Québec: CELAT, Université Laval, 2009.

[396]

Arthur M. Sackler Colloquia of the National Academy of Sciences and National Academy of Sciences (U.S.), Scientific examination of art: modern techniques in conservation and analysis : National Academy of Sciences, Washington, D.C., March 19-21, 2003. Washington, D.C.: National Academies Press, 2005.

[397]

W. D. Nesse, Introduction to optical mineralogy, 3rd ed. New York: Oxford University Press, 2004.

[398]

S. L. Olsen, Scanning electron microscopy in archaeology, vol. BAR international series. Oxford: B.A.R., 1988.

[399]

P. A. Parkes, Current scientific techniques in archaeology. London: Croom Helm, 1986.

[400]

J. Pérez-Arantegui, Ed., 'Proceedings of the 34th International Symposium on Archaeometry', 2006. [Online]. Available: <http://ifc.dpz.es/publicaciones/ebooks/id/2610>

[401]

A. M. Pollard, C. Heron, and Royal Society of Chemistry (Great Britain), Archaeological chemistry, 2nd ed. Cambridge: Royal Society of Chemistry, 2008.

[402]

A. M. Pollard, C. Batt, S. Young, and B. Stern, Analytical chemistry in archaeology. Cambridge: Cambridge University Press, 2007.

[403]

Shackley, M. Steven, X-ray fluorescence spectrometry (XRF) in geoarchaeology. New York: Springer, 2011.

[404]

R. Torrence, T. Rehren, and M. Martinon-Torres, 'Scoping the Future of Archaeological Science: Papers in Honour of Richard Klein', Journal of Archaeological Science, vol. 56, 2015 [Online]. Available: <http://www.sciencedirect.com/science/journal/03054403/56>

[405]

Arthur M. Sackler Colloquia of the National Academy of Sciences and National Academy of Sciences (U.S.), Scientific examination of art: modern techniques in conservation and analysis : National Academy of Sciences, Washington, D.C., March 19-21, 2003. Washington, D.C.: National Academies Press, 2005.

[406]

M. Shackley, 'An introduction to X-Ray Fluorescence (XRF) analysis in archaeology', in

X-ray fluorescence spectrometry (XRF) in geoarchaeology, New York: Springer, 2011, pp. 7–44.

[407]

M. Uda, G. Demortier, I. Nakai, and International Symposium on X-ray Archaeometry, X-rays for archaeology. Dordrecht: Springer, 2005.

[408]

A. Adriaens, 'Non-destructive analysis and testing of museum objects: An overview of 5 years of research', *Spectrochimica Acta Part B: Atomic Spectroscopy*, vol. 60, no. 12, pp. 1503–1516, Dec. 2005, doi: 10.1016/j.sab.2005.10.006.

[409]

S. P. De Atley and R. L. Bishop, 'Toward an integrated interface for archaeology and archaeometry', in The ceramic legacy of Anna O. Shepard, Niwot, Colo: University Press of Colorado, 1991, pp. 358–381 [Online]. Available: <https://contentstore.cla.co.uk//secure/link?id=bf3b4d17-7436-e711-80c9-005056af4099>

[410]

E. Hamilton, 'The four scales of technical analysis; or 'how to make archaeometry more useful', in Exploring the role of analytical scale in archaeological interpretation, vol. BAR international series, Oxford: Archaeopress, 2004, pp. 45–48 [Online]. Available: http://ls-tlss.ucl.ac.uk/course-materials/ARCLG107_45097.pdf

[411]

D. Killick, 'Archaeology and archaeometry: From casual dating to a meaningful relationship?', *Antiquity*, vol. 71, no. 273, pp. 518–524, 1997 [Online]. Available: <http://search.proquest.com/docview/217552149?accountid=14511>

[412]

D. Killick, 'The awkward adolescence of archaeological science', *Journal of Archaeological Science*, vol. 56, pp. 242–247, Apr. 2015, doi: 10.1016/j.jas.2015.01.010.

[413]

A. Jones, Archaeological theory and scientific practice, vol. Topics in contemporary archaeology. Cambridge: Cambridge University Press, 2001.

[414]

A. Jones, 'Archaeometry and materiality: materials-based analysis in theory and practice*', *Archaeometry*, vol. 46, no. 3, pp. 327–338, 2004, doi: 10.1111/j.1475-4754.2004.00161.x.

[415]

M. Martinón-Torres, 'Why should archaeologists take history and science seriously?', in *Archaeology, history and science: integrating approaches to ancient materials*, vol. Publications of the Institute of Archaeology, University College London, Walnut Creek, CA: Left Coast Press, 2008, pp. 15–36 [Online]. Available: http://ls-tlss.ucl.ac.uk/course-materials/ARCLG107_45457.pdf

[416]

M. Martinón-Torres and D. C. Killic, 'Archaeological Theories and Archaeological Sciences', in *The Oxford Handbook of Archaeological Theory*, A. Gardner, M. Lake, and U. Sommer, Eds. 2015 [Online]. Available: <http://www.oxfordhandbooks.com/view/10.1093/oxfordhb/9780199567942.001.0001/oxfor dhb-9780199567942-e-004?rskey=F3hTAd&result=1>

[417]

T. Rehren, 'Qantir-Piramesses and the organisation of the Egyptian glass industry', in *The social context of technological change: Egypt and the Near East, 1650-1550 B.C. : proceedings of a conference held at St Edmund Hall, Oxford, 12-14 September 2000*, Oxford: Oxbow, 2001, pp. 223–138 [Online]. Available: http://ls-tlss.ucl.ac.uk/course-materials/ARCLG107_45094.pdf

[418]

B. Sillar and M. S. Tite, 'The challenge of "Technological choices" for materials science approaches in archaeology', *Archaeometry*, vol. 42, no. 1, pp. 2-20, 2000, doi:

10.1111/j.1475-4754.2000.tb00863.x.

[419]

M. S. Tite, 'Overview - materials study in archaeology', in *Handbook of archaeological sciences*, Chichester: John Wiley, 2001, pp. 443–448 [Online]. Available: <https://contentstore.cla.co.uk//secure/link?id=a5c876a6-5736-e711-80c9-005056af4099>

[420]

R. G. V. Hancock, 'Elemental analysis', in *Modern analytical methods in art and archaeology*, vol. Chemical analysis, New York: Wiley, 2000, pp. 11–20.

[421]

M. Shackley, 'An introduction to X-Ray Fluorescence (XRF) analysis in archaeology', in *X-ray fluorescence spectrometry (XRF) in geoarchaeology*, New York: Springer, 2011, pp. 7–44.

[422]

M. S. Shackley, 'An introduction to X-ray fluorescence (XRF) analysis in archaeology', in *X-ray fluorescence spectrometry (XRF) in Geoarchaeology*, M. S. Shackley, Ed. New York ; London : Springer, 2011.

[423]

R. M. Contrey, M. Goodman-Elgar, N. Bettencourt, A. Seyfarth, A. Van Hoose, and J. A. Wolff, 'Calibration of a portable X-ray fluorescence spectrometer in the analysis of archaeological samples using influence coefficients', *Geochemistry: Exploration, Environment, Analysis*, vol. 14, no. 3, 2014 [Online]. Available: <http://geea.lyellcollection.org.libproxy.ucl.ac.uk/content/14/3/291.full.pdf>

[424]

E. Frahm and R. C. P. Doonan, 'The technological versus methodological revolution of portable XRF in archaeology', *Journal of Archaeological Science*, vol. 40, no. 2, pp. 1425–1434, Feb. 2013, doi: 10.1016/j.jas.2012.10.013.

[425]

M. Shackley, 'Is there reliability and validity in portable X-ray fluorescence spectrometry (XRF)?', SAA archaeological record, pp. 17–20, 2010.

[426]

M. S. Shackley, 'Portable X-ray Fluorescence Spectrometry (pXRF): The Good, the Bad, and the Ugly', Archaeology Southwest Magazine, vol. 26, no. 2, 2012 [Online]. Available: http://www.archaeologysouthwest.org/pdf/pXRF_essay_shackley.pdf

[427]

A. N. Shugar and J. L. Mass, Handheld XRF for art and archaeology, vol. Studies in archaeological sciences. Leuven: Leuven University Press, 2012.

[428]

A. N. Shugar, 'Portable X-ray Fluorescence and Archaeology: Limitations of the Instrument and Suggested Methods To Achieve Desired Results', in Archaeological chemistry VIII, vol. ACS symposium series, R. A. Armitage and J. H. Burton, Eds. Washington, DC: American Chemical Society, 2013, pp. 173–189.

[429]

A. Charalambous, V. Kassianidou, and G. Papasavvas, 'A compositional study of Cypriot bronzes dating to the Early Iron Age using portable X-ray fluorescence spectrometry (pXRF)', Journal of Archaeological Science, vol. 46, pp. 205–216, Jun. 2014, doi: 10.1016/j.jas.2014.03.006.

[430]

L. Dussubieux and H. Walder, 'Identifying American native and European smelted coppers with pXRF: a case study of artifacts from the Upper Great Lakes region', Journal of Archaeological Science, vol. 59, pp. 169–178, Jul. 2015, doi: 10.1016/j.jas.2015.04.011.

[431]

T. Kearns, M. Martinón-Torres, and T. Rehren, 'Metal to mould: alloy identification in experimental casting moulds using XRF', *Historical metallurgy: journal of the Historical Metallurgy Society*, vol. 44, no. 1, pp. 48–58, 2010.

[432]

M. Martinón-Torres, X. J. Li, A. Bevan, Y. Xia, K. Zhao, and T. Rehren, 'Forty Thousand Arms for a Single Emperor: From Chemical Data to the Labor Organization Behind the Bronze Arrows of the Terracotta Army', *Journal of Archaeological Method and Theory*, vol. 21, no. 3, pp. 534–562, Sep. 2014, doi: 10.1007/s10816-012-9158-z.

[433]

M. Martinón-Torres, R. ValcÁircel Rojas, J. SÁenz Samper, and M. F. Guerra, 'Metallic encounters in Cuba: The technology, exchange and meaning of metals before and after Columbus', *Journal of Anthropological Archaeology*, vol. 31, no. 4, pp. 439–454, Dec. 2012, doi: 10.1016/j.jaa.2012.03.006.

[434]

M. Martinón-Torres and M. A. Uribe-Villegas, 'The prehistoric individual, connoisseurship, and archaeological science: the Muisca goldwork of Colombia', *Journal of Archaeological Science* [Online]. Available: <http://www.sciencedirect.com/science/journal/03054403/open-access>

[435]

M. Nicholas and P. Manti, 'Testing the applicability of handheld portable XRF to the characterisation of archaeological copper alloys', in ICOM-CC 17th Triennial Conference Preprints, Melbourne, 15AD [Online]. Available: <http://orca.cf.ac.uk/65469/>

[436]

V. Orfanou and Th. Rehren, 'A (not so) dangerous method: pXRF vs. EPMA-WDS analyses of copper-based artefacts', *Archaeological and Anthropological Sciences*, vol. 7, no. 3, pp. 387–397, Sep. 2015, doi: 10.1007/s12520-014-0198-z.

[437]

N. Forster, P. Grave, N. Vickery, and L. Kealhofer, 'Non-destructive analysis using PXRF: methodology and application to archaeological ceramics', *X-Ray Spectrometry*, vol. 40, no. 5, pp. 389–398, Sep. 2011, doi: 10.1002/xrs.1360.

[438]

Y. Goren, H. Mommsen, and J. Klinger, 'Non-destructive provenance study of cuneiform tablets using portable X-ray fluorescence (pXRF)', *Journal of Archaeological Science*, vol. 38, no. 3, pp. 684–696, Mar. 2011, doi: 10.1016/j.jas.2010.10.020.

[439]

A. M. W. Hunt and R. J. Speakman, 'Portable XRF analysis of archaeological sediments and ceramics', *Journal of Archaeological Science*, vol. 53, pp. 626–638, Jan. 2015, doi: 10.1016/j.jas.2014.11.031.

[440]

R. J. Speakman, N. C. Little, D. Creel, M. R. Miller, and J. G. Iñaki Ezcurra, 'Sourcing ceramics with portable XRF spectrometers? A comparison with INAA using Mimbres pottery from the American Southwest', *Journal of Archaeological Science*, vol. 38, no. 12, pp. 3483–3496, Dec. 2011, doi: 10.1016/j.jas.2011.08.011.

[441]

D. Dungworth and B. Girbal, 'Waler Castle, Deal, Kent: Analysis of Window Glass', English Heritage Research Department Report Series, vol. 2011, no. 2, 2011 [Online]. Available: <http://research.historicengland.org.uk/redirect.aspx?id=5944>

[442]

S. Liu, Q. H. Li, F. Gan, P. Zhang, and J. W. Lankton, 'Silk Road glass in Xinjiang, China: chemical compositional analysis and interpretation using a high-resolution portable XRF spectrometer', *Journal of Archaeological Science*, vol. 39, no. 7, pp. 2128–2142, Jul. 2012, doi: 10.1016/j.jas.2012.02.035.

[443]

A. J. Nazaroff, K. M. Prufer, and B. L. Drake, 'Assessing the applicability of portable X-ray fluorescence spectrometry for obsidian provenance research in the Maya lowlands', *Journal of Archaeological Science*, vol. 37, no. 4, pp. 885–895, Apr. 2010, doi: 10.1016/j.jas.2009.11.019.

[444]

E. Frahm, 'Validity of "off-the-shelf" handheld portable XRF for sourcing Near Eastern obsidian chip debris', *Journal of Archaeological Science*, vol. 40, no. 2, pp. 1080–1092, Feb. 2013, doi: 10.1016/j.jas.2012.06.038.

[445]

R. J. Speakman and M. Steven Shackley, 'Silo science and portable XRF in archaeology: a response to Frahm', *Journal of Archaeological Science*, vol. 40, no. 2, pp. 1435–1443, Feb. 2013, doi: 10.1016/j.jas.2012.09.033.

[446]

E. Frahm, 'Is obsidian sourcing about geochemistry or archaeology? A reply to Speakman and Shackley', *Journal of Archaeological Science*, vol. 40, no. 2, pp. 1444–1448, Feb. 2013, doi: 10.1016/j.jas.2012.10.001.

[447]

M. Milić, 'PXRF characterisation of obsidian from central Anatolia, the Aegean and central Europe', *Journal of Archaeological Science*, vol. 41, pp. 285–296, Jan. 2014, doi: 10.1016/j.jas.2013.08.002.

[448]

P. Grave, V. Attenbrow, L. Sutherland, R. Pogson, and N. Forster, 'Non-destructive pXRF of mafic stone tools', *Journal of Archaeological Science*, vol. 39, no. 6, pp. 1674–1686, Jun. 2012, doi: 10.1016/j.jas.2011.11.011.

[449]

D. Ogburn, B. Sillar, and J. C. Sierra, 'Evaluating effects of chemical weathering and surface contamination on the in situ provenance analysis of building stones in the Cuzco region of

Peru with portable XRF', *Journal of Archaeological Science*, vol. 40, no. 4, pp. 1823–1837, Apr. 2013, doi: 10.1016/j.jas.2012.09.023.

[450]

C. Colombo, S. Bracci, C. Conti, M. Greco, and M. Realini, 'Non-invasive approach in the study of polychrome terracotta sculptures: employment of the portable XRF to investigate complex stratigraphy', *X-Ray Spectrometry*, vol. 40, no. 4, pp. 273–279, Jul. 2011, doi: 10.1002/xrs.1336.

[451]

T. D. Chaplin, R. J. H. Clark, and M. Martinón-Torres, 'A combined Raman microscopy, XRF and SEM-EDX study of three valuable objects – A large painted leather screen and two illuminated title pages in 17th century books of ordinances of the Worshipful Company of Barbers, London', *Journal of Molecular Structure*, vol. 976, no. 1–3, pp. 350–359, Jul. 2010, doi: 10.1016/j.molstruc.2010.03.042.

[452]

A. Eliyahu-Behar et al., 'An integrated approach to reconstructing primary activities from pit deposits: iron smithing and other activities at Tel Dor under Neo-Assyrian domination', *Journal of Archaeological Science*, vol. 35, no. 11, pp. 2895–2908, Nov. 2008, doi: 10.1016/j.jas.2008.06.004.

[453]

R. K. Gauss, J. Bátora, E. Nowaczinski, K. Rassmann, and G. Schukraft, 'The Early Bronze Age settlement of Fidvág, Vráble (Slovakia): reconstructing prehistoric settlement patterns using portable XRF', *Journal of Archaeological Science*, vol. 40, no. 7, pp. 2942–2960, Jul. 2013, doi: 10.1016/j.jas.2013.01.029.

[454]

Y. Abe, I. Nakai, K. Takahashi, N. Kawai, and S. Yoshimura, 'On-site analysis of archaeological artifacts excavated from the site on the outcrop at Northwest Saqqara, Egypt, by using a newly developed portable fluorescence spectrometer and diffractometer', *Analytical and Bioanalytical Chemistry*, vol. 395, no. 7, pp. 1987–1996, 2009, doi: 10.1007/s00216-009-3141-x.

[455]

M. Cotte, P. Dumas, Y. Taniguchi, E. Checroun, P. Walter, and J. Susini, 'Recent applications and current trends in Cultural Heritage Science using synchrotron-based Fourier transform infrared micro-spectroscopy', *Comptes Rendus Physique*, vol. 10, no. 7, pp. 590–600, 2009, doi: 10.1016/j.crhy.2009.03.016.

[456]

G. E. De Benedetto, R. Laviano, L. Sabbatini, and P. G. Zambonin, 'Infrared spectroscopy in the mineralogical characterization of ancient pottery', *Journal of Cultural Heritage*, vol. 3, no. 3, pp. 177–186, 2002, doi: 10.1016/S1296-2074(02)01178-0.

[457]

M. L. Eiland and Q. Williams, 'Investigation of Islamic ceramics from Tell Tuneinir using X-ray diffraction', *Geoarchaeology*, vol. 16, no. 8, pp. 875–903, 2001, doi: 10.1002/gea.1025.

[458]

I. C. Freestone and A. P. Middleton, . 'Mineralogical applications of the analytical SEM in archaeology', *Mineralogical Magazine*, vol. 51, pp. 21–31, 1987 [Online]. Available: http://www.minersoc.org/pages/Archive-MM/Volume_51/51-359-21.pdf

[459]

G. M. Ingo, S. Balbi, T. de Caro, I. Fragalà, E. Angelini, and G. Bultrini, 'Combined use of SEM-EDS, OM and XRD for the characterization of corrosion products grown on silver roman coins', *Applied Physics A*, vol. 83, no. 4, pp. 493–497, 2006, doi: 10.1007/s00339-006-3533-0.

[460]

M. Martinón-Torres and M. A. Uribe-Villegas, 'The prehistoric individual, connoisseurship, and archaeological science: the Muisca goldwork of Colombia', *Journal of Archaeological Science* [Online]. Available: <http://www.sciencedirect.com/science/journal/03054403/open-access>

[461]

P. Ricciardi, P. Colombari, A. Tournié, M. Macchiarola, and N. Ayed, 'A non-invasive study of Roman Age mosaic glass tesserae by means of Raman spectroscopy', *Journal of Archaeological Science*, vol. 36, no. 11, pp. 2551–2559, 2009, doi: 10.1016/j.jas.2009.07.008.

[462]

M. Sax, J. M. Walsh, I. C. Freestone, A. H. Rankin, and N. D. Meeks, 'The origins of two purportedly pre-Columbian Mexican crystal skulls', *Journal of Archaeological Science*, vol. 35, no. 10, pp. 2751–2760, Oct. 2008, doi: 10.1016/j.jas.2008.05.007.

[463]

T. G. Conservation institute, Infrared Spectroscopy in Conservation Science - infrared spectroscopy. 1999 [Online]. Available: http://www.getty.edu/conservation/publications_resources/pdf_publications/pdf/infrared_spectroscopy.pdf

[464]

M. L. Young, F. Casadio, S. Schnepp, E. Pearlstein, J. D. Almer, and D. R. Haeffner, 'Non-invasive characterization of manufacturing techniques and corrosion of ancient Chinese bronzes and a later replica using synchrotron X-ray diffraction', *Applied Physics A*, vol. 100, no. 3, pp. 635–646, 2010, doi: 10.1007/s00339-010-5646-8.

[465]

C. Orton, Sampling in archaeology, vol. Cambridge manuals in archaeology. Cambridge: Cambridge University Press, 2000.

[466]

M. S. Tite, 'Archaeological collections: invasive sampling versus object integrity', *Papers from the Institute of Archaeology: PIA*, vol. 13, pp. 1–6, 2002 [Online]. Available: <http://pia-journal.co.uk/articles/abstract/10.5334/pia.189/>

[467]

K. W. Tubb, 'Irreconcilable Differences? Problems with Unprovenanced Antiquities', *Papers from the Institute of Archaeology*, vol. 18, 2007, doi: 10.5334/pia.294.

[468]

A. Hein et al., 'Standardisation of elemental analytical techniques applied to provenance studies of archaeological ceramics: an inter laboratory calibration study', *The Analyst*, vol. 127, no. 4, pp. 542–553, Apr. 2002, doi: 10.1039/b109603f.

[469]

A. Heginbotham et al., 'An Evaluation of inter-laboratory reproducibility for quantitative XRF of historic copper Alloys', in *In Metal 2010. Proceedings of the International Conference on Metal Conservation*, Charleston, South Carolina, USA, October 11-15, 2010, 2010, pp. 178–188 [Online]. Available: http://www.getty.edu/museum/pdfs/heginbotham_metal2010_submitted2.pdf

[470]

R. Kovacs, S. Schlosser, S. P. Staub, A. Schmiderer, E. Pernicka, and D. Gähnther, 'Characterization of calibration materials for trace element analysis and fingerprint studies of gold using LA-ICP-MS', *Journal of Analytical Atomic Spectrometry*, vol. 24, no. 4, 2009, doi: 10.1039/b819685k.

[471]

M. J. Baxter, *Exploratory multivariate analysis in archaeology*. Edinburgh: Edinburgh University Press, 1994.

[472]

M. J. Baxter, *Statistics in archaeology*, vol. Arnold applications of statistics. London: Arnold, 2003.

[473]

M. J. Baxter and C. E. Buck, 'Data handling and statistical analysis', in *Modern analytical methods in art and archaeology*, vol. Chemical analysis, New York: Wiley, 2000, pp. 681–746 [Online]. Available: http://ls-tlss.ucl.ac.uk/course-materials/ARCLG107_45286.pdf

[474]

M. J. BAXTER and I. C. FREESTONE, 'LOG-RATIO COMPOSITIONAL DATA ANALYSIS IN ARCHAEOOMETRY*', *Archaeometry*, vol. 48, no. 3, pp. 511–531, 2006, doi: 10.1111/j.1475-4754.2006.00270.x.

[475]

M. F. Charlton, E. Blakelock, and M. Martinon-Torres, 'Investigating the production provenance of iron artifacts with multivariate methods', *Journal of Archaeological Science*, vol. 39, no. 7, pp. 2280–2293, 2012 [Online]. Available: <http://discovery.ucl.ac.uk/1375923/1/1375923.pdf>

[476]

R. D. Drennan, *Statistics for archaeologists: a commonsense approach*, 2nd ed., vol. Interdisciplinary contributions to archaeology. New York: Springer, 2009 [Online]. Available: <http://dx.doi.org/10.1007/978-1-4419-0413-3>

[477]

M. Fletcher and G. R. Lock, *Digging numbers: elementary statistics for archaeologists*, vol. Monograph / Oxford University Committee for Archaeology. Oxford: Oxford University Committee for Archaeology, 1991.

[478]

Orton, Clive, *Mathematics in archaeology*, vol. Collins archaeology. London: Collins, 1980.

[479]

S. Shennan, *Quantifying archaeology*, 2nd ed. Iowa City: University of Iowa Press, 1997.

[480]

C. P. Thornton, C. C. Lamberg-Karlovsky, M. Liezers, and S. M. M. Young, 'On Pins and Needles: Tracing the Evolution of Copper-base Alloying at Tepe Yahya, Iran, via ICP-MS Analysis of Common-place Items', *Journal of Archaeological Science*, vol. 29, no. 12, pp. 1451–1460, 2002, doi: 10.1006/jasc.2002.0809.

[481]

M. J. Ponting, 'Keeping up with the Romans? Romanisation and copper alloys in First Revolt Palestine', *Institute for Archaeo-Metallurgical Studies newsletter*, vol. 22, pp. 3–6, 2002 [Online]. Available:
<https://contentstore.cla.co.uk//secure/link?id=c1071af0-4a36-e711-80c9-005056af4099>

[482]

C. Chippindale, 'Colleagues, talking, writing, publishing', in *Handbook of archaeological methods*, vol. 2, Lanham, Md: Altamira Press, 2006, pp. 1339–1371 [Online]. Available: http://ls-tlss.ucl.ac.uk/course-materials/ARCLG107_45101.pdf

[483]

K. Sand-Jensen, 'How to write consistently boring scientific literature', *Oikos*, vol. 116, no. 5, pp. 723–727, 2007, doi: 10.1111/j.0030-1299.2007.15674.x.

[484]

P. White, 'Producing the record', in *Archaeology in practice: a student guide to archaeological analyses*, Malden, MA: Blackwell, 2006, pp. 410–425 [Online]. Available: http://ls-tlss.ucl.ac.uk/course-materials/ARCLG107_45099.pdf