

ARCLG123: Conservation: Materials Science: Caitlin O'Grady

View Online



Aaron N. Shugar, et al. Handheld XRF for Art and Archaeology on JSTOR. Leuven University Press, 2012. Web. <<https://www.jstor.org/stable/j.ctt9qdzfs>>.

Aaron N. Shugar; Jennifer L. Mass. 'Introduction: Handheld XRF for Art and Archaeology'. Handheld XRF for Art and Archaeology. Leuven University Press, 2012. Web. <<http://www.jstor.org/stable/j.ctt9qdzfs>>.

Abd El Salam, S. A. Egyptian and Graeco-Roman Wall Plasters and Mortars: A Comparative Scientific Study. BAR international series. Oxford: Hedges, 2004. Web.

Abrams, Elliot M. et al. 'Chemical Composition of Architectural Plaster at the Classic Maya Kingdom of Piedras Negras, Guatemala'. Journal of Archaeological Science 39.5 (2012): 1648-1654. Web.

Appleyard, H. M. and Wira. Guide to the Identification of Animal Fibres. 2nd ed. Leeds: Wira, 1978. Print.

Arnold, D. E. Ceramic Theory and Cultural Process. New studies in archaeology. Cambridge: Cambridge University Press, 1985. Print.

---. 'Joining Clay: A Comparison of Modern and Ancient Techniques'. Holding It All Together: Ancient and Modern Approaches to Joining, Repair and Consolidation. London: Archetype Publications in association with the British Museum, 2009. Print.

Artioli, Gilberto, and Ivana Angelini. Scientific Methods and Cultural Heritage: An Introduction to the Application of Materials Science to Archaeometry and Conservation Science. Oxford: Oxford University Press, 2010. Web. <<http://UCL.eblib.com/patron/FullRecord.aspx?p=618614>>.

---. Scientific Methods and Cultural Heritage: An Introduction to the Application of Materials Science to Archaeometry and Conservation Science. Oxford: Oxford University Press, 2010. Web. <<http://UCL.eblib.com/patron/FullRecord.aspx?p=618614>>.

---. Scientific Methods and Cultural Heritage: An Introduction to the Application of Materials Science to Archaeometry and Conservation Science. Oxford: Oxford University Press, 2010. Web. <<http://UCL.eblib.com/patron/FullRecord.aspx?p=618614>>.

Ashurst, John, and Francis G. Dimes. Conservation of Building and Decorative Stone. Paperback ed. Butterworth-Heinemann series in conservation and museology. Oxford: Butterworth-Heinemann, 1998. Web.

- <<http://www.vlebooks.com/vleweb/product/openreader?id=UCL&isbn=9780080502908>>.
- Barclay, K. *Scientific Analysis of Archaeological Ceramics: A Handbook of Resources*. Oxford: Oxbow, 2001. Print.
- Biswas, A. K., and W. G. Davenport. *Extractive Metallurgy of Copper*. 4th ed. Oxford: Pergamon, 2002. Print.
- Boersma, F. et al. *Unravelling Textiles: A Handbook for the Preservation of Textile Collections*. London: Archetype, 2007. Print.
- Bradley, S. M., and A. P. Middleton. 'A Study of the Deterioration of Egyptian Limestone Sculpture'. *Journal of the American Institute for Conservation* 27.2 (1988): 64–86. Web. <<http://www.jstor.org/stable/3179403>>.
- Bray, C. and Society of Glass Technology. *Ceramics and Glass: A Basic Technology*. Sheffield: Society of Glass Technology, 2000. Print.
- . *Ceramics and Glass: A Basic Technology*. Sheffield: Society of Glass Technology, 2000. Print.
- Bregnhøi, L. and Nationalmuseet (Denmark). *Paint Research in Building Conservation*. London: Archetype, 2006. Print.
- Brill, R. H. et al. *Chemical Analyses of Early Glasses*. Corning, N.Y.: Corning Museum of Glass, 1999. Print.
- Buchwald, V. F. and Kongelige Danske videnskabernes selskab. *Iron and Steel in Ancient Times*. *Historisk-filosofiske skrifter*. Copenhagen: Det Kongelige Danske Videnskabernes Selskab, 2005. Print.
- Calnan, C. N., B. Haines, and Leather Conservation Centre. *Leather: Its Composition and Changes with Time*. Northampton, England: Leather Conservation Centre, 1991. Print.
- Calvini, P., and A. Gorassini. 'On the Rate of Paper Degradation: Lessons from the Past'. *Restaurator: International journal for the preservation of library and archival material* 27.4 (2006): n. pag. Web. <<https://www-degruyter-com.libproxy.ucl.ac.uk/view/journals/rest/27/4/article-p275.xml>>.
- Cameron, Esther. 'Identification of Skin and Leather Preserved by Iron Corrosion Products'. *Journal of Archaeological Science* 18.1 (1991): 25–33. Web.
- Caneva, Giulia et al. *Plant Biology for Cultural Heritage: Biodeterioration and Conservation*. Los Angeles: Getty Conservation Institute, 2008. Print.
- Cartwright, C., and J. C. H. King. 'Identification of Hairs and Fibres in Great Lakes Objects from the Eighteenth and Nineteenth Centuries Using Variable Pressure Scanning Electron Microscopy'. *British Museum technical research bulletin* 6 (2012): n. pag. Web. <http://www.britishmuseum.org/pdf/BMTRB_6_Cartwright-and-King.pdf>.

Cassman, V., and N. Odegaard. 'Condition Assessment of Osteological Collections'. Human Remains: Guide for Museums and Academic Institutions. Lanham, MD: AltaMira Press, 2007. Print.

Catling, D., and J. E. Grayson. Identification of Vegetable Fibres. London: Chapman & Hall, 1982. Print.

Centeno, Silvia A. et al. 'Characterization of Surface Decorations in Prehispanic Archaeological Ceramics by Raman Spectroscopy, FTIR, XRD and XRF'. Vibrational Spectroscopy 58 (2012): 119-124. Web.

Chandler, Harry. Metallurgy for the Non-Metallurgist. Materials Park, Ohio: ASM International, 1998. Print.

Charola, A. E. 'Salts in the Deterioration of Porous Materials: An Overview'. Journal of the American Institute for Conservation 39.3 (2000): 327-343. Web.
<<http://www.jstor.org/stable/3179977>>.

Child, A. M. 'Towards an Understanding of the Microbial Decomposition of Archaeological Bone in the Burial Environment'. Journal of Archaeological Science 22.2 (1995): 165-174. Web.

Conservation Unit Museums and Gall. The Science For Conservators Series: Volume 3: Adhesives and Coatings. Taylor & Francis Group, 1992. Web.
<<https://ebookcentral.proquest.com/lib/ucl/detail.action?docID=1143796>>.

Corti, Giacomo et al. 'Modelling the Failure Mechanisms of Michelangelo's David through Small-Scale Centrifuge Experiments'. Journal of Cultural Heritage 16.1 (2015): 26-31. Web.

Covington, T. Tanning Chemistry - The Science of Leather. N.p., 2009. Web.
<http://app.knovel.com/web/toc.v/cid:kpTCTSL002/viewerType:toc/root_slug:tanning-chemistry-science/url_slug:tanning-chemistry-science/?>.

Craddock, P. T., and S. La Niece. Metal Plating and Patination: Cultural, Technical and Historical Developments. Boston: Butterworth-Heinemann, 1993. Print.

Cullity, B. D., and S. R. Stock. Elements of X-Ray Diffraction. 3rd ed. Upper Saddle River, N.J.: Prentice Hall, 2001. Print.

Daniels, V. 'Paper'. Conservation Science: Heritage Materials. Cambridge: RSC Publishing, 2006. 32-55. Web.

---. Works of Art on Paper, Books, Documents and Photographs: Techniques and Conservation. London: International Institute for Conservation, 2002. Print.

Dawson, J. et al. Decorated Surfaces on Ancient Egyptian Objects: Technology, Deterioration and Conservation : Proceedings of a Conference Held in Cambridge, UK on 7-8 September 2007. London: Archetype in association with the Fitzwilliam Museum and Icon Archaeology Group, 2010. Print.

- Delamare, F. *Colour: Making and Using Dyes and Pigments*. New horizons. London: Thames & Hudson, 2000. Print.
- Derrick, M. et al. 'Embedding Paint Cross-Section Samples in Polyester Resins: Problems and Solutions'. *Journal of the American Institute for Conservation* 33.3 (1994): 227-245. Web.
<http://www.jstor.org.libproxy.ucl.ac.uk/stable/3179635?origin=crossref&seq=1#page_scan_tab_contents>.
- Derrick, M. R., J. M. Landry, and D. Stulik. *Infrared Spectroscopy in Conservation Science. Scientific tools for conservation*. Los Angeles: Getty Conservation Institute, 1999. Web.
<<https://www.getty.edu/publications/virtuallibrary/0892364696.html>>.
- Derrick, M. R., D. Stulik, and J. M. Landry. 'Chapter 5: Spectral Interpretation'. *Infrared Spectroscopy in Conservation Science*. Los Angeles: J. Paul Getty Trust, 1999. Web.
<http://www.getty.edu/conservation/publications_resources/pdf_publications/pdf/infrared_spectroscopy.pdf>.
- Dorge, V., F. C. Howlett, and American Institute for Conservation of Historic and Artistic Works. *Painted Wood: History and Conservation*. Los Angeles: Getty Conservation Institute, 1998. Print.
- Drayman-Weisser, T. and American Institute for Conservation of Historic and Artistic Works. *Gilded Metals: History, Technology and Conservation*. London: Archetype Publications in association with The American Institute for Conservation of Historic and Artistic Works, 2000. Print.
- Drennan, R. D. *Statistics for Archaeologists – A Commonsense Approach*. N.p., 1996. Web.
<<https://link-springer-com.libproxy.ucl.ac.uk/book/10.1007%2F978-1-4419-0413-3>>.
- Drummond, G. 'Statistics: A Journey That Needs a Guide'. *Essential Guide to Reading Biomedical Papers: Recognising and Interpreting Best Practice*. Ed. P. Langton. N.p., 2012. Web.
<<https://onlinelibrary-wiley-com.libproxy.ucl.ac.uk/doi/book/10.1002/9781118402184>>.
- Dylan Smith. 'Ch. 2: Handheld X-Ray Fluorescence Analysis of Renaissance Bronzes: Practical Approaches to Quantification and Acquisition'. *Handheld XRF for Art and Archaeology*. Leuven University Press, 2012. 37-74. Web.
<<https://www.jstor.org/stable/j.ctt9qdzfs.6>>.
- Eaton, R. A. and Hale, M. D. C. *Wood: Decay, Pests, and Protection*. 1st ed. London: Chapman & Hall, 1993. Print.
- Ebel, H. F., C. Bliefert, and W. E. Russey. *The Art of Scientific Writing: From Student Reports to Professional Publications in Chemistry and Related Fields*. 2nd ed. Weinheim: Wiley-VCH, 2004. Print.
- Eckel, E. C. *Cements, Limes and Plasters: Their Materials, Manufacture and Properties*. Shaftesbury: Donhead, 2005. Print.
- Edwards, H. G. M., J. M. Chalmers, and Royal Society of Chemistry (Great Britain). *Raman*

Spectroscopy in Archaeology and Art History. RSC analytical spectroscopy monographs. Cambridge: Royal Society of Chemistry, 2005. Print.

Espinoza, E. O., B. W. Baker, and C. A. Berry. 'The Analysis of Sea Turtle and Bovine Keratin Artefacts Using Drift Spectroscopy and Discriminant Analysis'. *Archaeometry* 49.4 (2007): n. pag. Web.
<<http://onlinelibrary.wiley.com.libproxy.ucl.ac.uk/doi/10.1111/j.1475-4754.2007.00328.x/pdf>>.

Feller, R. L. et al. *Artists' Pigments: A Handbook of Their History and Characteristics*. Washington: National Gallery of Art, 2007. Print.

Fenn, J. 'Adhesion without Adhesives: Gecko-like Adhesives'. *Symposium 2011: Adhesives and Consolidants for Conservation: research and applications: proceedings 2011*. Web.
<<https://www.cci-icc.gc.ca/discovercci-decouvriricc/PDFs/Paper%2010%20-%20Fenn%20-%20English.pdf>>.

Florian, M. E., D. P. Kronkright, and R. E. Norton. *The Conservation of Artifacts Made from Plant Materials*. [Marian del Rey, Calif.]: Getty Conservation Institute, 1990. Web.
<http://www.getty.edu/conservation/publications_resources/pdf_publications/pdf/cons_artifacts.pdf>.

Florian, M.-L. E. *Protein Facts: Fibrous Proteins in Cultural and Natural History Artifacts*. London: Archetype Publications, 2007. Print.

Freestone, I. 'Post-Depositional Changes in Archaeological Ceramics and Glasses'. *Handbook of Archaeological Sciences*. Chichester: John Wiley, 2001. 615–625. Web.
<<https://contentstore.cla.co.uk/secure/link?id=97a2cea4-73f4-4a0c-8a4c-22641705ce36>>.

Freestone, I., and D. R. M. Gaimster. *Pottery in the Making: World Ceramic Traditions*. London: British Museum Press, 1997. Print.

Gale, R., and D. Cutler. *Plants in Archaeology: Identification Manual of Vegetative Plant Materials Used in Europe and the Southern Mediterranean to c. 1500*. Otley: Westbury and Royal Botanic Gardens, Kew, 2000. Print.

Garland, Kathleen M., Johanna Bernstein, and Joe Rogers. 'RAISING MERET-IT-ES: EXAMINING AND CONSERVING AN EGYPTIAN ANTHROPOID COFFIN FROM 380–250 BCE'. *Journal of the American Institute for Conservation* 54.2 (2015): 102–113. Web.

Gill, Robin. *Chemical Fundamentals of Geology and Environmental Geoscience*. Third edition. Chichester, West Sussex, UK: Wiley Blackwell, 2015. Web.
<<http://UCL.ebilib.com/patron/FullRecord.aspx?p=1879373>>.

Glinzman, L. *The Application of X-Ray Fluorescence Spectrometry to the Study of Museum Objects*. [S.l.: s.n.], 2004. Print.

Goldstein, J. *Scanning Electron Microscopy and X-Ray Microanalysis*. 3rd ed. New York: Kluwer Academic/Plenum Publishers, 2003. Print.

Gowing, R. et al. *All Manner of Murals: The History, Techniques and Conservation of Secular Wall Paintings* (Proceedings of the Secular Wall Paintings Symposia, London 2004-5). London: Archetype, 2007. Print.

Graziani, Gabriela, Enrico Sassoni, and Elisa Franzoni. 'Consolidation of Porous Carbonate Stones by an Innovative Phosphate Treatment: Mechanical Strengthening and Physical-Microstructural Compatibility in Comparison with TEOS-Based Treatments'. *Heritage Science* 3.1 (2015): n. pag. Web.

Greaves, P. H., Saville, B. P., and Royal Microscopical Society (Great Britain). *Microscopy of Textile Fibres*. Microscopy handbooks. Oxford: BIOS Scientific in association with the Royal Microscopical Society, 1995. Print.

Gribble, C. D., and A. J. Hall. *A Practical Introduction to Optical Mineralogy*. London: George Allen & Unwin, 1985. Web.
<<https://link-springer-com.libproxy.ucl.ac.uk/book/10.1007%2F978-94-011-7804-4>>.

---. *A Practical Introduction to Optical Mineralogy*. London: George Allen & Unwin, 1985. Web. <<https://link-springer-com.libproxy.ucl.ac.uk/book/10.1007%2F978-94-011-7804-4>>.

Haines, B. and Leather Conservation Centre. *Parchment: The Physical and Chemical Characteristics of Parchment and the Materials Used in Its Conservation*. Northampton: Leather Conservation Centre, 1999. Print.

Hamer, F., and J. Hamer. *The Potter's Dictionary of Materials and Techniques*. 3rd ed. London: A & C Black, 1991. Print.

Harley, R. D. *Artists' Pigments c. 1600-1835: A Study in English Documentary Sources*. 2nd. rev. ed. London: Archetype Publications, 2001. Print.

Hather, J. G. *The Identification of Northern European Woods: A Guide for Archaeologists and Conservators*. London: Archetype, 2000. Print.

---. *The Identification of Northern European Woods: A Guide for Archaeologists and Conservators*. London: Archetype, 2000. Print.

Havlínová, Bohuslava et al. 'A Study of Mechanical Properties of Papers Exposed to Various Methods of Accelerated Ageing. Part I. The Effect of Heat and Humidity on Original Wood-Pulp Papers'. *Journal of Cultural Heritage* 10.2 (2009): 222-231. Web.

Hayman, R. *Ironmaking: The History and Archaeology of the Iron Industry*. Stroud: Tempus, 2005. Print.

Heck, M., and P. Hoffmann. 'Analysis of Early Medieval Glass Beads - The Raw Materials to Produce Green, Orange and Brown Colours'. *Mikrochimica acta* 139 (2002): 71-76. Print.

Henderson, Julian. *The Science and Archaeology of Materials: An Investigation of Inorganic Materials*. London: Routledge, 2000. Web.
<<http://UCL.ebib.com/patron/FullRecord.aspx?p=1144554>>.

Henry, A., J. Stewart, and English Heritage. *Practical Building Conservation: Mortars, Renders & Plasters*. Farnham: Ashgate, 2011. Print.

Henry, Alison. *Stone Conservation: Principles and Practice*. Florence: Taylor and Francis, 2006. Web. <<http://UCL.ebib.com/patron/FullRecord.aspx?p=4186381>>.

Hill Stoner, Joyce. 'Changing Approaches in Art Conservation: 1925 to the Present'. *Scientific Examination of Art: Modern Techniques in Conservation and Analysis*. Washington, DC: The National Academies Press, 2005. 40-57. Web. <http://www.nap.edu/catalog.php?record_id=11413>.

Hoadley, R. B. *Identifying Wood: Accurate Results with Simple Tools*. Newtown, CT: Taunton Press, 1990. Print.

---. *Identifying Wood: Accurate Results with Simple Tools*. Newtown, CT: Taunton Press, 1990. Print.

Hodges, H. *Artifacts: An Introduction to Early Materials and Technology*. Duckworth, 1989. Print.

Holztaffel, C. H. *Working Horn, Ivory & Tortoiseshell*. Portland OR: Caber Press, 2000. Print.

Horie, C. V. *Materials for Conservation: Organic Consolidants, Adhesives and Coatings*. 2nd ed. Amsterdam: Butterworth-Heinemann, 2010. Web.

---. *Materials for Conservation: Organic Consolidants, Adhesives and Coatings*. 2nd ed. Amsterdam: Butterworth-Heinemann, 2010. Print.

Horie, C.V. 'Deterioration of Skin in Museum Collections'. *Polymer Degradation and Stability* 29.1 (1990): 109-133. Web. <<http://www.sciencedirect.com/science/article/pii/0141391090900253?via%3Dihub>>.

Horie, V. 'Does What We Want Exist?' *Adhesives and Consolidants for Conservation: Research and Applications Symposium Proceedings / Adhésifs et Consolidants Pour La Conservation: Recherche et Applications: Les Actes*. N.p., 2011. Web. <<http://www.cci-icc.gc.ca/discovercci-decouvriricc/Symposium/2011Symposium-eng.aspx>>.

Ian M. Watt. *The Principles and Practice of Electron Microscopy* -. Cambridge Books Online - Cambridge University Press, 1997. Web. <<http://ebooks.cambridge.org/ebook.jsf?bid=CBO9781139170529>>.

'Igneous Rocks Home Page'. N.p., n.d. Web. <<http://csmres.jmu.edu/geollab/Fichter/IgnRx/Ighome.html>>.

Janaway, R. C. et al. *Evidence Preserved in Corrosion Products: New Fields in Artifact Studies*. Occasional papers. London: United Kingdom Institute for Conservation, 1989. Print.

Janaway, R. C., P. Wyeth, and AHRC Research Centre for Textile Conservation and Textile

- Studies. *Scientific Analysis of Ancient and Historic Textiles: Informing Preservation, Display and Interpretation: Postprints*. London: Archetype, 2005. Print.
- Janssens, Koen H. A., and R. van Grieken. *Non-Destructive Microanalysis of Cultural Heritage Materials*. *Comprehensive analytical chemistry*. Amsterdam, London: Elsevier, 2004. Print.
- John Mills, and Raymond White. *Organic Chemistry of Museum Objects*. N.p., 2012. Web. <<http://www.tandfebooks.com/ISBN/9780080513355>>.
- John Mills, Raymond White. *Organic Chemistry of Museum Objects*. Taylor & Francis online, 2011. Web. <<http://www.tandfebooks.com/ISBN/9780080513355>>.
- John Mills, and Raymond White. *Organic Chemistry of Museum Objects*. N.p., 2012. Web. <<http://www.tandfebooks.com/ISBN/9780080513355>>.
- John Mills, Raymond White. *Organic Chemistry of Museum Objects*. Taylor & Francis online, 2011. Web. <<http://www.tandfebooks.com/ISBN/9780080513355>>.
- . *Organic Chemistry of Museum Objects*. Taylor & Francis online, 2011. Web. <<http://www.tandfebooks.com/ISBN/9780080513355>>.
- Jones, A. V. *Access to Chemistry*. Cambridge: Royal Society of Chemistry, 1999. Print.
- Jones, D. A. *Principles and Prevention of Corrosion*. 2nd ed. Upper Saddle River, NJ: Prentice Hall, 1996. Print.
- Jones, M., and E. May. *Conservation Science: Heritage Materials*. Cambridge: RSC Publishing, 2006. Web.
- . *Conservation Science: Heritage Materials*. Cambridge: RSC Publishing, 2006. Web.
- Jorjani, M. et al. 'An Evaluation of Potential Adhesives for Marble Repair'. *Holding It All Together: Ancient and Modern Approaches to Joining, Repair and Consolidation*. London: Archetype Publications in association with the British Museum, 2009. Print.
- Juleff, G. 'An Ancient Wind-Powered Iron Smelting Technology in Sri Lanka'. *Nature* 379.6560 (1996): 60–66. Web. <<http://www.nature.com.libproxy.ucl.ac.uk/nature/journal/v379/n6560/pdf/379060a0.pdf>>.
- Kingery, W. D., and P. B. Vandiver. *Ceramic Masterpieces: Art, Structure, and Technology*. New York: Free Press, 1986. Print.
- Kingery, W. David. 'A Role for Materials Science'. *Learning from Things: Method and Theory of Material Culture Studies*. Washington, D.C.: Smithsonian Institution Press, 1996. 175–180. Print.
- . 'Materials Science and Material Culture'. *Learning from Things: Method and Theory of Material Culture Studies*. Washington, D.C.: Smithsonian Institution Press, 1996. 181–203. Print.

Kite, M., and R. Thomson. Conservation of Leather and Related Materials. Butterworth-Heinemann series in conservation and museology. Oxford: Butterworth-Heinemann, 2006. Web.
<<http://www.vlebooks.com/vleweb/product/openreader?id=UCL&isbn=9780080454665>>.

Koob, S. P. and Corning Museum of Glass. Conservation and Care of Glass Objects. London: Archetype in association with the Corning Museum of Glass, 2006. Print.

Koochakzaei, Alireza, and Mohsen Mohammadi Achachluei. 'RED STAINS ON ARCHAEOLOGICAL LEATHER: DEGRADATION CHARACTERISTICS OF A SHOE FROM THE 11TH-13TH CENTURIES (SELJUK PERIOD, IRAN)'. Journal of the American Institute for Conservation 54.1 (2015): 45-56. Web.

Kunicki-Goldfinger, Jerzy J. 'Unstable Historic Glass: Symptoms, Causes, Mechanisms and Conservation'. Studies in Conservation 53.sup2 (2008): 47-60. Web.

Lang, J., and P. T. Craddock. Mining and Metal Production through the Ages. London: British Museum, 2003. Print.

---. Mining and Metal Production through the Ages. London: British Museum, 2003. Print.

Larsen, R. Microanalysis of Parchment. London: Archetype, 2002. Print.

Lennard, Frances, and Janice M. Dulieu-Barton. 'Quantifying and Visualizing Change: Strain Monitoring of Tapestries with Digital Image Correlation'. Studies in Conservation 59.4 (2014): 241-255. Web.

M. J. Drews. 'The Application of Subcritical Fluids for the Stabilization of Marine Archaeological Iron'. Studies in Conservation 58.4 (2013): 314-325. Web.
<<http://www.jstor.org/stable/42751834>>.

MacGregor, A. Bone, Antler, Ivory & Horn: The Technology of Skeletal Materials since the Roman Period. London: Barnes & Noble Books, 1985. Print.

Maria Perla Colombini, and Francesca Modugno. Organic Mass Spectrometry in Art and Archaeology. Chichester, UK: John Wiley & Sons, Ltd, 2009. Web.
<<http://doi.wiley.com/10.1002/9780470741917>>.

Marte, Fernando. 'Arsenic in Taxidermy Collections: History, Detection, and Management'. N.p., 2006. Web.
<[http://ucl-primo.hosted.exlibrisgroup.com/primo_library/libweb/action/display.do?tabs=detailsTab&ct=display&fn=search&doc=TN_sro10088%2f8134&indx=1&reclds=TN_sro10088%2f8134&recldxs=0&elementId=0&renderMode=poppedOut&displayMode=full&frbrVersion=&frbg=&dscnt=0&scp.scps=scope%3A%28UCL%29%2Cprimo_central_multiple_fe&tb=t&mode=Basic&vid=UCL_VU1&srt=rank&tab=local&dum=true&vl\(freeText0\)=Arsenic%20in%20taxidermy%20collections%3A%20history%2C%20detection%20and%20management&dstmp=1474123526335](http://ucl-primo.hosted.exlibrisgroup.com/primo_library/libweb/action/display.do?tabs=detailsTab&ct=display&fn=search&doc=TN_sro10088%2f8134&indx=1&reclds=TN_sro10088%2f8134&recldxs=0&elementId=0&renderMode=poppedOut&displayMode=full&frbrVersion=&frbg=&dscnt=0&scp.scps=scope%3A%28UCL%29%2Cprimo_central_multiple_fe&tb=t&mode=Basic&vid=UCL_VU1&srt=rank&tab=local&dum=true&vl(freeText0)=Arsenic%20in%20taxidermy%20collections%3A%20history%2C%20detection%20and%20management&dstmp=1474123526335)>.

Mattusch, C. C. et al. The Fire of Hephaistos: Large Classical Bronzes from North American

Collections. Cambridge, Mass: Harvard University Art Museums, 1996. Print.

McCrone, W. C. 'The Shroud of Turin: Blood or Artist's Pigment?' *Accounts of Chemical Research* 23.3 (1990): 77-83. Web.
<<http://pubs.acs.org.libproxy.ucl.ac.uk/doi/pdf/10.1021/ar00171a004>>.

McCrone, Walter C., John Gustav Delly, and Lucy B. McCrone. *Polarized Light Microscopy*. Michigan: Ann Arbor Science, 1978. Print.

Mesbahinia, Alimohammad, Majid Rashidi-Huyeh, and Mahdi Shafiee Afarani. 'Persian Turquoise Glazed Bodies: Reproduction and Optical Properties'. *Applied Physics A* 118.4 (2015): 1183-1188. Web.

'Metal 2010, Proceedings of the Interim Meeting of the ICOM-CC Metal Working Group, Charleston, South Carolina, USA, 11-15 October 2010 (Digital Version) by Clemson University (eBook) Â Lulu GB'. N.p., n.d. Web.
<<http://www.lulu.com/shop/clemson-university/metal-2010-proceedings-of-the-interim-meeting-of-the-icom-cc-metal-working-group-charleston-south-carolina-usa11-15-october-2010-digital-version/ebook/product-18691539.html>>.

'Metamorphic Rocks Home Page'. N.p., n.d. Web.
<<http://csmres.jmu.edu/geollab/Fichter/MetaRx/index.html>>.

Middleton, A.P., and S.M. Bradley. 'Provenancing of Egyptian Limestone Sculpture'. *Journal of Archaeological Science* 16.5 (1989): 475-488. Web.

Mogk, D.W. 'Optical Mineralogy and Petrography'. N.p., 2013. Web.
<http://serc.carleton.edu/NAGTWorkshops/mineralogy/optical_mineralogy_petrography.html>.

---. 'Optical Mineralogy and Petrography'. N.p., n.d. Web.
<http://serc.carleton.edu/NAGTWorkshops/mineralogy/optical_mineralogy_petrography.html>.

Namowicz, C., K. Trentelman, and C McGlinchey. 'XRF of Cultural Heritage Materials: Round-Robin IV - Paint on Canvas'. (2009): n. pag. Web.
<<https://www-cambridge-org.libproxy.ucl.ac.uk/core/services/aop-cambridge-core/content/view/5DB13489C851D1FD881902B32D2AA115/S0885715600032814a.pdf/xrf-of-cultural-heritage-materials-round-robin-iv-paint-on-canvas.pdf>>.

Newton, R. G., and S. Davison. *Conservation of Glass*. Rev. ed. Butterworths series in conservation and museology. London: Butterworth-Heinemann, 1996. Print.

Nicholas Eastaugh. *The Pigment Compendium: Optical Microscopy of Historical Pigments*. Taylor & Francis, 2004. Web. <<http://www.tandfebooks.com/ISBN/9780080943596>>.

Oakley, V. 'The Deterioration of the Glass Vessel'. *Glass and Enamel Conservation: Collected Papers from a One-Day Meeting on the Conservation of Glass and Enamels Held on 11 November 1989*. Occasional papers / United Kingdom Institute for Conservation of Historic and Artistic Works of Art. London: United Kingdom Institute for Conservation of Historic and Artistic Works of Art, 1992. 18-22. Print.

O'Connor, S. A., and M. M. Brooks. X-Radiography of Textiles, Dress and Related Objects. Butterworth-Heinemann series in conservation and museology. Oxford: Elsevier/Butterworth-Heinemann, 2007. Web.
<<https://www-dawsonera-com.libproxy.ucl.ac.uk/readonline/9780080550206>>.

Odegaard, N. et al. Material Characterization Tests for Objects of Art and Archaeology. 2nd ed. London: Archetype, 2005. Print.

Orsini, Sibilla et al. 'Micromorphological and Chemical Elucidation of the Degradation Mechanisms of Birch Bark Archaeological Artefacts'. *Heritage Science* 3.1 (2015): n. pag. Web.

Orton, Clive, and Michael Hughes. Pottery in Archaeology. Cambridge: Cambridge University Press, 2013. Web. <<http://ebooks.cambridge.org/ref/id/CBO9780511920066>>.
Ottaway, B. S., and Q. Wang. Casting Experiments and Microstructure of Archaeologically Relevant Bronzes. BAR international series. Oxford: Archaeopress, 2004. Web.

Paris, C., S. Lecomte, and C. Coupry. 'ATR-FTIR Spectroscopy as a Way to Identify Natural Protein-Based Materials, Tortoiseshell and Horn, from Their Protein-Based Imitation, Galalith'. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 62.1-3 (2005): 532-538. Web.

Passmore, E. and et al. 'Hidden, Looted, Saved: The Scientific Research and Conservation of a Group of Begram Ivories from the National Museum of Afghanistan'. (2012): n. pag. Web. <http://www.britishmuseum.org/pdf/BMTRB_6_Passmore-et-al.pdf>.

Plesters, J. 'Cross-Sections and Chemical Analysis of Paint Samples'. *Studies in Conservation* 2.3 (1956): 110-157. Web.
<http://www.jstor.org.libproxy.ucl.ac.uk/stable/1505000?origin=crossref&seq=1#page_scan_tab_contents>.

Pollard, A. M. et al. Analytical Chemistry in Archaeology. Cambridge: Cambridge University Press, 2007. Print.

Pollard, A. M., C. Heron, and Royal Society of Chemistry (Great Britain). *Archaeological Chemistry*. 2nd ed. Cambridge: Royal Society of Chemistry, 2008. Web.
<<https://ebookcentral.proquest.com/lib/ucl/detail.action?docID=1185179>>.

Pollard, A. M., Carl Heron, and Royal Society of Chemistry (Great Britain). *Archaeological Chemistry*. 2nd ed. Cambridge: Royal Society of Chemistry, 2008. Web.
<<http://UCL.ebib.com/patron/FullRecord.aspx?p=1185179>>.

Potts, P. J. *A Handbook of Silicate Rock Analysis*. New ed. London: Blackie Academic & Professional, 1992. Print.

Potts, Philip J, and Margaret West, eds. *Portable X-Ray Fluorescence Spectrometry*. Cambridge: Royal Society of Chemistry, 2008. Web.
<<https://doi.org/10.1039/9781847558640>>.

Price, C.A. *Stone Conservation: An Overview of Current Research*. N.p., 1996. Web.
<<http://www.getty.edu/publications/virtuallibrary/0892363894.html?imprint=gtcn&pg=2&r>>

es=20?imprint=gtcn&pg=4&res=20?imprint=gtcn&pg=7&res=20?imprint=gtcn>.

Price, T. Douglas and Burton, James H. *An Introduction to Archaeological Chemistry*. London: Springer, 2011. Print.

Přikryl, R. et al. *Building Stone Decay: From Diagnosis to Conservation*. Geological Society special publication. London: Geological Society, 2007. Web.
<https://app-knovel-com.libproxy.ucl.ac.uk/web/toc.v/cid:kpBSDFDC01/viewerType:toc//root_slug:building-stone-decay?kpromoter=marc>.

Rauch, I. 'The Conservation and Restoration of Historical Stained and Painted Glass: An Introduction to the Problems'. n. pag. Web. <<http://www.cvma.ac.uk/conserv/rauch.html>>.

Reedy, C. L. *Thin-Section Petrography of Stone and Ceramic Cultural Materials*. London: Archetype, 2008. Print.

Reedy, T. J., and C. L. Reedy. 'Principles of Experimental Design for Art Conservation Research'. 1992. Web.
<http://hdl.handle.net/10020/gci_pubs/principles_experimental_design>.

Ricciardi, Paola et al. 'Nondestructive On-Site Identification of Ancient Glasses: Genuine Artefacts, Embellished Pieces or Forgeries?' *Journal of Raman Spectroscopy* 40.6 (2009): 604–617. Web.

Rice, P. M. *Pottery Analysis: A Sourcebook*. Chicago: University of Chicago Press, 1987. Print.

---. 'Recent Ceramic Analysis: 1. Function, Style, and Origins'. *Journal of Archaeological Research* 4.2 (1996): 133–163. Web. <<http://www.jstor.org/stable/41053114>>.

---. 'Recent Ceramic Analysis: 2. Composition, Production, and Theory'. *Journal of Archaeological Research* 4.3 (1996): 165–202. Web.
<<http://www.jstor.org/stable/41053131>>.

Richards, M. *Deerskins into Buckskins: How to Tan with Brains, Soap or Eggs*. 2nd ed., rev. updated. Cave Junction, Or: Backcountry Pub, 2004. Print.

Rivers, S., and N. Umney. *Conservation of Furniture*. Butterworth-Heinemann series in conservation and museology. Oxford: Butterworth-Heinemann, 2003. Print.

Robinson, P. C., Bradbury, Savile, and Royal Microscopical Society (Great Britain). *Qualitative Polarized-Light Microscopy*. Microscopy handbooks. New York: Royal Microscopical Society, 1992. Print.

Robinson, P. C., Savile Bradbury, and Royal Microscopical Society (Great Britain). *Qualitative Polarized-Light Microscopy*. Microscopy handbooks. New York: Oxford University Press, 1992. Print.

Rodriguez-Navarro, C. et al. 'The Role of Clays in the Deterioration of Ancient Egyptian Limestone Sculptures'. *Journal of the American Institute for Conservation* 36.2 (1997):

151–163. Web. <<http://www.jstor.org/stable/3179829>>.

Roemich, H. 'Historic Glass and Its Interaction with the Environment'. *The Conservation of Glass and Ceramics: Research, Practice and Training*. London: James & James, 1999. 5–14. Web. <<https://contentstore.cla.co.uk/secure/link?id=2d10d742-e34d-ec11-981f-0050f2f09783>>.

Rougier, Nicolas P., Michael Droettboom, and Philip E. Bourne. 'Ten Simple Rules for Better Figures'. *PLoS Computational Biology* 10.9 (2014): n. pag. Web.

Rowe, S., and C. Rozeik. 'The Uses of Cyclododecane in Conservation'. *Reviews in Conservation - Studies in Conservation: Vol 53, No Supplement-2 9* (2008): 17–31. Web. <<http://www.maneyonline.com/doi/pdfplus/10.1179/sic.2008.53.Supplement-2.17>>.

Ruth Siddal et al. *Pigment Compendium*. Taylor & Francis e-books. Web. <<http://www.tandfebooks.com/ISBN/9780080943596>>.

Rye, Owen S. *Pottery Technology: Principles and Reconstruction*. *Manuals on archeology*. Washington, D.C.: Taraxacum, 1981. Print.

Ryndina, N. 'The Potential of Metallography in Investigations of Early Objects Made of Copper and Copper-Based Alloys'. *Historical metallurgy: journal of the Historical Metallurgy Society* (2009): n. pag. Print.

Samanian, K. 'Identification of Green Pigment Used in Persian Wall Paintings (1501-1736) Using PLM, FT-IR, SEM/EDX and GC-MS Techniques'. *Archaeometry* 57.4 (2015): 740–758. Web.

Sands, R. *Prehistoric Woodworking: The Analysis and Interpretation of Bronze and Iron Age Toolmarks*. *Wood in archaeology*. London: UCL Institute of Archaeology, 1997. Web.

Schoeser, M. *World Textiles: A Concise History*. *World of art*. London: Thames & Hudson, 2003. Print.

Scott, D. A. et al. *Ancient & Historic Metals: Conservation and Scientific Research*. *Proceedings of a Symposium Organized by the J. Paul Getty Museum and the Getty Conservation Institute, November 1991*. Marina del Rey, CA: Getty Conservation Institute, 1994. Web. <http://www.getty.edu/conservation/publications_resources/pdf_publications/ancientmetals.html#download>.

---. *Metallography and Microstructure of Ancient and Historic Metals*. N.p., 1991. Web. <http://www.getty.edu/conservation/publications_resources/pdf_publications/pdf/metallography.pdf>.

---. *Metallography and Microstructure of Ancient and Historic Metals*. CA: Getty Conservation Institute in association with Archetype Books, 1991. Web. <http://hdl.handle.net/10020/gci_pubs/metallography_microstructure>.

---. *Metallography and Microstructure of Ancient and Historic Metals*. CA: Getty

Conservation Institute in association with Archetype Books, 1991. Web.
<http://hdl.handle.net/10020/gci_pubs/metallography_microstructure>.

Scott, D. A., and G. Eggert. *Iron and Steel in Art: Corrosion, Colorants, Conservation*. London: Archetype, 2009. Print.

Scott, D. A. and Getty Conservation Institute. *Copper and Bronze in Art: Corrosion, Colorants, Conservation*. Los Angeles: Getty Conservation Institute, 2002. Print.

'Sedimentary Rocks Home Page'. N.p., n.d. Web.
<<http://csmres.jmu.edu/geollab/Fichter/SedRx/>>.

Seery, Michael, ed. 'Paper Conservation'. N.p., 2013. Web.
<<http://www.rsc.org/education/eic/issues/2013March/paper-conservation-cellulose-acid-hydrolysis.asp>>.

Seiler-Baldinger, A. *Textiles: A Classification of Techniques*. Washington, D.C: Smithsonian Institution Press, 1994. Print.

Selwyn, L. and Canadian Conservation Institute. *Metals and Corrosion: A Handbook for the Conservation Professional*. Ottawa: Canadian Conservation Institute, 2004. Print.

---. *Metals and Corrosion: A Handbook for the Conservation Professional*. Ottawa: Canadian Conservation Institute, 2004. Print.

Shashoua, Y. *Conservation of Plastics: Materials Science, Degradation and Preservation*. Amsterdam: Butterworth-Heinemann, 2008. Print.

Shelton, S. Y. 'Byne's "disease;" How to Recognize, Handle and Store Affected Shells and Related Collections'. *Conserve O Gram* 11/15 (2008): 1-4. Web.
<https://www.nps.gov/museum/publications/consveogram/cons_toc.html>.

Shepard, A. O. *Ceramics for the Archaeologist*. Publication / Carnegie Institution of Washington. Washington, D.C.: Carnegie Institution of Washington, 1956. Web.
<http://publicationsonline.carnegiescience.edu/publications_online/ceramics_archaeologist/>.

Smith, G.D., and R.J.H. Clark. 'Raman Spectroscopy in Art History and Conservation Science'. *Reviews in Conservation Studies in Conservation: Vol 46, No Supplement-1* (2001): 96-110. Web.
<<http://www.maneyonline.com/doi/abs/10.1179/sic.2001.46.Supplement-1.92>>.

Starling, K., D. Watkinson, and United Kingdom Institute for Conservation of Historic and Artistic Works. *Archaeological Bone, Antler and Ivory. Occasional papers / United Kingdom Institute for Conservation of Historic and Artistic Works*. London: United Kingdom Institute for Conservation, 1987. Print.

Stavroudis, C., and S. Blank. 'Solvents & Sensibility'. (1989): n. pag. Web.
<<http://cool.conservation-us.org/waac/wn/wn11/wn11-2/wn11-202.html>>.

Strand, Eva B. Andersson and North European Symposium for Archaeological Textiles.

North European Symposium for Archaeological Textiles X. Ancient textiles series. Oxford: Oxbow Books, 2009. Print.

Strlič, M., J. Kolar, and S. Scholten. 'Paper and Durability'. Ageing and Stabilisation of Paper. Ed. M. Strlič and J. Kolar. Ljubljana: National and University Library, 2004. Web.
<<https://contentstore.cla.co.uk/secure/link?id=c3a661a8-a23f-4b4e-93f5-2ac0cfd8c887>>.

T. J., Reedy, and Reedy C. L. 'Principles of Experimental Design for Art Conservation Research'. Web.
<http://www.getty.edu/conservation/publications_resources/pdf_publications/pdf/principles_experiment.pdf>.

'The GCI Newsletter, Conservation Perspectives Spring 2014'. N.p., n.d. Web.
<http://www.getty.edu/conservation/publications_resources/newsletters/29_1/index.html>.

Tsang, Jia-Sun ; Madden, Odile ; Coughlin, Mary ; Maiorana, Anthony ; Watson, Judy ; Little, Nicole C. ; Speakman, Robert J. ; Jia-Sun Tsang ; Odile Madden ; Mary Coughlin ; Anthony Maiorana ; Judy Watson ; Nicole C. Little ; Robert J. Speakman. 'Degradation of "Lumarith" Cellulose Acetate: EXAMINATION AND CHEMICAL ANALYSIS OF A SALESMAN'S SAMPLE KIT'. n. pag. Web.
<[http://ucl-primo.hosted.exlibrisgroup.com/primo_library/libweb/action/display.do?frbrVersion=4&tabs=detailsTab&ct=display&fn=search&doc=TN_jstor_archive_327867074&indx=1&reclids=TN_jstor_archive_327867074&reclidxs=0&elementId=0&renderMode=poppedOut&displayMode=full&frbrVersion=4&frbg=&&dscnt=0&scp.scps=scope%3A%28UCL%29%2Cprimo_central_multiple_fe&tb=t&mode=Basic&vid=UCL_VU1&srt=rank&tab=local&dum=true&vl\(freeText0\)=Degradation%20of%20%E2%80%98lumarith%E2%80%99%20cellulose%20acetate&dstmp=1474124372320](http://ucl-primo.hosted.exlibrisgroup.com/primo_library/libweb/action/display.do?frbrVersion=4&tabs=detailsTab&ct=display&fn=search&doc=TN_jstor_archive_327867074&indx=1&reclids=TN_jstor_archive_327867074&reclidxs=0&elementId=0&renderMode=poppedOut&displayMode=full&frbrVersion=4&frbg=&&dscnt=0&scp.scps=scope%3A%28UCL%29%2Cprimo_central_multiple_fe&tb=t&mode=Basic&vid=UCL_VU1&srt=rank&tab=local&dum=true&vl(freeText0)=Degradation%20of%20%E2%80%98lumarith%E2%80%99%20cellulose%20acetate&dstmp=1474124372320)>.

United Kingdom Institute for Conservation of Historic and Artistic Works. Analysis of Pigments and Plasters: Its Relevance to Current Wall Painting and Stone Conservation Practice : Post Prints of a Day Conference of the Wall Paintings Section of the United Kingdom Institute for Conservation of Historic and Artistic Works Held 22 February 1997. London: United Kingdom Institute for Conservation of Historic and Artistic Works, 1998. Print.

Valiela, I. Doing Science: Design, Analysis, and Communication of Scientific Research. Oxford: Oxford University Press, 2001. Print.

van Hoek, C. J. G. et al. 'A SEM-EDS Study of Cultural Heritage Objects with Interpretation of Constituents and Their Distribution Using PARC Data Analysis'. Microscopy and Microanalysis 17 (2011): n. pag. Web.
<<http://journals.cambridge.org/action/displayFulltext?type=1&fid=8386387&jid=MAM&volumeld=17&issueld=05&aid=8386385&bodyId=&membershipNumber=&societyETOCSession=>>.

van Oosten, T. et al. Plastics in Art: History, Technology, Preservation. Kölner Beiträge zur Restaurierung und Konservierung von Kunst-und Kulturgut. München: Siegl, 2002. Print.

Vandiver, P. B. et al. 'The Origins of Ceramic Technology at Dolni Věstonice,

Czechoslovakia'. *Science* 246.4933 (1989): 1002–1008. Web.
<<http://www.jstor.org/stable/1704937>>.

Verkade, P. 'Electron Microscopy (TEM and SEM)'. Ed. P. Langton. *Essential guide to reading biomedical papers: Recognising and interpreting best practice* (2012): n. pag. Web.
<<http://onlinelibrary.wiley.com/store/10.1002/9781118402184.ch7/asset/ch7.pdf?v=1&t=if6m013e&s=2f650e160edfc75f4bfc8abcca8b62f2e048b39>>.

Walsh, J. J. 'Petrography: Distinguishing Natural Cement from Other Binders in Historical Masonry Construction Using Forensic Microscopy Techniques'. *Journal of ASTM International* 4.1 (2007): n. pag. Web.
<http://enterprise.astm.org/DIGITAL_LIBRARY/JOURNALS/JAI/PAGES/JAI100674.htm>.

Watkins, S. M. *Clothing: The Portable Environment*. Ames, Iowa: Iowa State University Press, 1984. Print.

Welcomme, E. et al. 'Investigation of White Pigments Used as Make-up during the Greco-Roman Period'. *Applied Physics A* 83.4 (2006): 551–556. Web.

Wildman, A. B. *The Microscopy of Animal Textile Fibres: Including Methods for the Complete Analysis of Fibre Blends*. Leeds: Wool Industries Research Association, 1954. Print.

Wright, M. M. and Conservators of Ethnographic Artefacts. *The Conservation of Fur, Feather and Skin: Seminar Organised by the Conservators of Ethnographic Artefacts at the Museum of London on 11 December 2000*. Conservators of Ethnographic Artefacts. London: Archetype, 2002. Print.