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# Bibliography

## **Accorsi et al. 2009**

Accorsi, Gianluca, Giovanni Verri, Margherita Bolognesi, Nicola Armaroli, Catia Clementi, Costanza Miliani, and Aldo Romani. 2009. "The Exceptional Near-Infrared Luminescence Properties of Cuprorivaite (Egyptian Blue)." *Chemical Communications*, no. 23, 3392–94. <https://doi.org/10.1039/B902563D>.

## **Aceto et al. 2014**

Aceto, Maurizio, Angelo Agostino, Gaia Fenoglio, Ambra Idone, Monica Gulmini, Marcello Picollo, Paola Ricciardi, and John K. Delaney. 2014. "Characterisation of Colourants on Illuminated Manuscripts by Portable Fibre Optic UV-Visible-NIR Reflectance Spectrophotometry." *Analytical Methods* 6 (5): 1488–1500. <https://doi.org/10.1039/c3ay41904e>.

## **Adrian 1893**

Adrian, Louis Alphonse. 1893. *Exposition internationale de Chicago, 1893, compte rendu des groupes 87 et 88, Comité 19: Produits chimiques et pharmaceutiques, matériel de la peinture, parfumerie*. A. Hennuyer.

## **Aldrovandi et al. 2004**

Aldrovandi, Alfredo, Ezio Buzzegoli, Annette Keller, and Diane Kunzelman. 2004. "Indagini su superfici dipinte mediante immagini UV riflesse in falso colore." *OPD Restauro*, no. 16, 83–87, 197–99. <http://www.jstor.org/stable/24392513>.

## **Allen 2005**

Allen, James, ed. 2005. *The Art of Medicine in Ancient Egypt*. The Metropolitan Museum of Art.

## **Allen 2019**

Allen, Ruth. 2019. "'Eye-Like Radiance': The Depiction of Gemstones in Roman Wall Painting." *Arts* 8 (2): 60. <https://doi.org/10.3390/arts8020060>.

## **American Institute for Conservation 1994**

American Institute for Conservation. 1994. "Code of Ethics and Guidelines for Practice; Commentaries." <https://www.culturalheritage.org/docs/default-source/administration/governance/code-of-ethics-and-guidelines-for-practice.pdf>.

## **American Institute for Conservation 2015**

American Institute for Conservation. 2015. "Commentaries to the Guidelines for Practice of the American Institute for Conservation of Historic & Artistic Works." <https://www.culturalheritage.org/docs/default-source/administration/governance/commentaries-to-the-guidelines.pdf>.

## **Amsen 2020**

Amsen, Eva. 2020. "Facial Reconstruction Suggests that Some Egyptian Mummy Portraits Were Painted after Death." *Forbes*, September 27. <https://www.forbes.com/sites/evaamsen/2020/09/27/facial-reconstruction-suggests-that-some-egyptian-mummy-portraits-were-painted-after-death/>.

## **Anderson 2019**

Anderson, Jaynie. 2019. *The Life of Giovanni Morelli in Risorgimento Italy*. Officina Libraria.

## **Apostolaki 2005**

Apostolaki, Chrsi. 2005. "Study of Roman Mortars and Wall Painting Colourants from Ancient Corinth." Master of

Science thesis, Technical University of Crete. <http://purl.tuc.gr/dl/dias/64FA6667-B23B-486A-A5FF-4291AB79E3B6>.

#### **Arnold and Valladas 1991**

Arnold, Maurice, and H el ene Valladas. 1991. "Datation carbone 14 de la t ete de harpe en bois." *La Revue du Louvre et des mus ees de France* 1: 7. <https://agorha.inha.fr/ark:/54721/b06e9134-528f-4f27-836d-8ff2190104fa>.

#### **Asensi Amor os and D etienne 2008**

Asensi Amor os, Victoria, and Pierre D etienne. 2008. "Les bois utilis es pour les portraits peints en Egypte   l' poque romaine." In Aubert and Cortopassi 2008.

#### **Asensi Amor os et al. 2001**

Asensi Amor os, Victoria, Sylvie Colinart, Madeleine Fabre, Catherine Gras, H el ene Guichard, Daniel Jaunard, and Sylvie Watelet. 2001. "Survivre au-del  de la mort: Les portraits fun raires  gyptiens du mus e des Beaux-Arts de Dijon." *Techn *, nos. 13–14, 119–30.

#### **Aubert 2000**

Aubert, Marie-France. 2000. "Portraits from Antinoopolis and Other Sites." In Walker 2000A.

#### **Aubert and Cortopassi 2008**

Aubert, Marie-France, and Roberta Cortopassi. 2008. *Portraits fun raires de l' gypte romaine*. Volume 2. R union des mus ees nationaux and  ditions Kheops.

#### **Augusti 1967**

Augusti, Selim. 1967. *I colori Pompeiani*. De Luca.

#### **Bagnall and Frier 1994**

Bagnall, Roger S., and Bruce Frier. 1994. *The Demography of Roman Egypt*. Cambridge University Press.

#### **B kowska-Czerner and Czerner 2022**

B kowska-Czerner, Grażyna, and Rafa  Czerner. 2022. "Marina El-Alamein as an Example of Painting Decoration of Main Spaces of Hellenistic-Roman Houses in Egypt." *Arts* 11 (1): 2.

#### **Barr 2020**

Barr, Judith. 2020. "From All Sides: The APPEAR Project and Mummy Portrait Provenance." In Svoboda and Cartwright 2020.

#### **Barr et al. 2019**

Barr, Judith, Clara M. ten Berge, Jan M. van Daal, and Branko F. van Oppen de Ruiter. 2019. "The Girl with the Golden Wreath: Four Perspectives on a Mummy Portrait." *Arts* 8 (3): 92–122.

#### **Becker 2021**

Becker, Hilary. 2021. "Pigment Nomenclature in the Ancient Near East, Greece, and Rome." *Archaeological and Anthropological Sciences* 14 (20). <https://doi.org/10.1007/s12520-021-01394-1>.

#### **Bell, Clark, and Gibbs 1997**

Bell, Ian M., Robyn J. H. Clark, and Peter J. Gibbs. 1997. "Raman Spectroscopic Library of Natural and Synthetic Pigments (pre- ≈ 1850 AD)." *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 53 (12): 2159–79. [https://doi.org/10.1016/S1386-1425\(97\)00140-6](https://doi.org/10.1016/S1386-1425(97)00140-6).

#### **Benitez 2018**

Benitez, Francisco. 2018. "Francisco Benitez." <http://www.franciscobenitez.com/>.

#### **Bernhard 1947**

Bernhard, Maria Ludwika. 1947. "Zbiory Sztuki Starożytniej w Muzeum Narodowym w Warszawie w latach 1939–1946." *Archeologia* 1: 302–9.

#### **Berrie 1997**

Berrie, Barbara. "Prussian Blue." 1997. In vol. 3 of *Artists' Pigments: A Handbook of Their History and Characteristics*, edited by Elizabeth FitzHugh. National Gallery of Art.

#### **Bierbrier 1997**

Bierbrier, Morris. 1997. "The Discovery of the Mummy Portraits." In Walker and Bierbrier 1997.

#### **Bierbrier 2012**

Bierbrier, Morris L. 2012. *Who Was Who in Egyptology*. 4th ed. Egyptian Exploration Society.

#### **Bietenholz 1962**

Bietenholz, Peter G. 1962. "Pietro Della Valle 1586–1652." *Studien zur Geschichte der Orientkenntnis und des Orientbildes im Abendlande* 85: 205–8.

#### **Biron and Pierrat-Bonnefois 2007**

Biron, Isabelle, and Genevi ve Pierrat-Bonnefois. 2007. "La t ete  gyptienne en verre bleu du mus e du Louvre." *L'actualit  chimique*, nos. 312–313 (October–November): 47–52.

#### **Bishop and Murad 2005**

Bishop, Janice, and Enver Murad. 2005. "The Visible and Infrared Spectral Properties of Jarosite and Alunite." *American Mineralogist* 90 (7): 1100–1107.

**Bisulca et al. 2021**

Bisulca, Christina, Ellen Hanspach-Bernal, Aaron Steele, and Caroline Roberts. 2021. "Deconstructing an Ancient Egyptian Mummy Portrait." *Bulletin of the Detroit Institute of Arts* 95 (1): 12–14.

**Borchardt 1930**

Borchardt, Ludwig. 1930. "Ägyptische 'Altertümer', die ich für neuzeitlich halte." *Zeitschrift für Ägyptische Sprache und Altertumskunde* 65 (1): unnumbered appendix.

**Borg 1996**

Borg, Barbara. 1996. *Mumienporträts: Chronologie und kulturelle Kontext*. Philipp von Zabern.

**Borg 1997**

Borg, Barbara. 1997. "The Dead as a Guest at Table: Continuity and Change in the Egyptian Cult of the Dead." In *Portraits and Masks: Burial Customs in Roman Egypt*, edited by Morris L. Bierbrier. The British Museum.

**Borg 1998**

Borg, Barbara. 1998. "Der zierlichste Anblick der Welt..." In *Ägyptische Porträtmumien*. Phillip von Zabern.

**Borg and Most 2000**

Borg, Barbara E., and Glenn W. Most. 2000. "The Face of the Elite." *Arion: A Journal of Humanities and the Classics*, 3rd ser., 8 (1): 63–96. <http://www.jstor.org/stable/20163786>.

**Borromeo et al. 2020**

Borromeo, Georgina E., Ingrid A. Neuman, Scott Collins, Catherine Cooper, Derek Merck, and David Murray. 2020. "Framing the Heron Panel: Iconographic and Technical Comparanda." In Svoboda and Cartwright 2020.

**Bostock and Riley 1855**

Bostock, J., and H. Riley, trans. 1855. *The Natural History (Naturalis Historia)*. By Pliny the Elder. Taylor and Francis; Henry G. Bohn.

**Bouchard and Smith 2003**

Bouchard, Michel, and David C. Smith. 2003. "Catalogue of 45 Reference Raman Spectra of Minerals Concerning Research in Art History or Archaeology, Especially on Corroded Metals and Coloured Glass." *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 59 (10): 2247–66. [https://doi.org/10.1016/S1386-1425\(03\)00069-6](https://doi.org/10.1016/S1386-1425(03)00069-6).

**Boust and Wohlgelmuth 2017**

Boust, Clotilde, and Anne Wohlgelmuth. 2017. "Database: Pigments under UV and IR Radiations." Scientific Imaging for Cultural Heritage/Images scientifiques pour le

patrimoine. *Hypotheses*, August 18. Accessed June 30, 2021. <https://copa.hypotheses.org/552>.

**Bradley et al. 2020**

Bradley, Lauren, Jessica Ford, Dawn Kriss, Victoria Schussler, Federica Pozzi, Elena Basso, and Lisa Bruno. 2020. "Evaluating Multiband Reflectance Image Subtraction for the Characterization of Indigo in Romano-Egyptian Funerary Portraits." In Svoboda and Cartwright 2020.

**Bragantini 2010**

Bragantini, Irene. 2010. *Atti del X Congresso internazionale dell'AIPMA, Associazione internazionale per la pittura murale antique, Napoli 17-21 Settembre 2007 / a cura di Irene Bragantini. Annali di Archeologia e Storia Antica. Quaderni / Dipartimento di Studi del Mondo Classico e del Mediterraneo Antico*, no. 18. Napoli: Università degli Studi di Napoli "L'Orientale."

**Brecoulaki 2014**

Brecoulaki, Harikleia. 2014. "'Precious Colours' in Ancient Greek Polychromy and Painting: Material Aspects and Symbolic Values." *Revue Archéologique*, no. 1, 3–35. <http://www.jstor.org/stable/24751260>.

**Brecoulaki et al. 2019**

Brecoulaki, Hariclia, Giovanni Verri, Brigitte Bourgeois, Francesco Paolo Romano, Andreas G. Karydas, Claudia Caliri, Elena Martín González, and Giorgos Kavvadias. 2019. "The 'Lost Art' of Archaic Greek Painting: Revealing New Evidence on the Pitsa *Pinakes* through MA-XRF and Imaging Techniques." *Technè* 48: 34–54. <https://doi.org/10.4000/techne.2046>.

**Bredal-Jørgensen et al. 2011**

Bredal-Jørgensen, Jørn, Jana Sanyova, Vibeke Rask, Maria Louise Sargent, and Rikke Hoberg Therkildsen. 2011. "Striking Presence of Egyptian Blue Identified in a Painting by Giovanni Battista Benvenuto from 1524." *Analytical and Bioanalytical Chemistry* 401: 1433–39. <https://doi.org/10.1007/s00216-011-5140-y>.

**Briefel 2006**

Briefel, Aviva. 2006. *The Deceivers: Art Forgery and Identity in the Nineteenth Century*. Cornell University Press.

**Brill 1980**

Brill, Thomas B. 1980. *Light: Its Interaction with Art and Antiquities*. Plenum.

**Broecke 2015**

Broecke, Lara, trans. 2015. *Cennino Cennini's Il Libro Dell'arte: A New English Translation and Commentary with Italian Transcription*. Archetype.

**Brøns et al. 2023**

Brøns, Cecilie, Jens Stenger, Richard Newman, Caroline Cartwright, Fabiana Di Gianvincenzo, Anna Katerinopoulou, Luise Ørsted Brandt, Negar Haghipour, and Laura Hendriks. 2023. "'A Lost Chapter of Ancient Art': Archaeometric Examinations of Panel Paintings from Roman Egypt." *Studies in Conservation* 69 (7): 557–95. <https://doi.org/10.1080/00393630.2023.2256132>.

**Bruhn 1993**

Bruhn, Jutta-Annette. 1993. *Coins and Costume in Late Antiquity*. *Dumbarton Oaks*.

**Buckley et al. 2009**

Buckley, Michael, Matthew Collins, Jane Thomas-Oates, and Julie C. Wilson. 2009. "Species Identification by Analysis of Bone Collagen Using Matrix-Assisted Laser Desorption/Ionisation Time-of-Flight Mass Spectrometry." *Rapid Communications in Mass Spectrometry* 23 (23): 3843–54. <https://doi.org/10.1002/rcm.4316>.

**Burgio and Clark 2001**

Burgio, Lucia, and Robyn J. H. Clark. 2001. "Library of FT-Raman Spectra of Pigments, Minerals, Pigment Media and Varnishes, and Supplement to Existing Library of Raman Spectra of Pigments with Visible Excitation." *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 57 (7): 1491–521. [https://doi.org/10.1016/S1386-1425\(00\)00495-9](https://doi.org/10.1016/S1386-1425(00)00495-9).

**Caley 2008**

Caley, Earle Radcliffe. 2008. *The Leyden and Stockholm Papyri*. Oesper Collections in the History of Chemistry, University of Cincinnati.

**Cardon et al. 2018**

Cardon, Dominique, Witold Nowik, Adam Bülow-Jacobsen, Renata Marcinowska, Katarzyna Kusyk, and Marek Trojanowicz. 2018. "La pourpre en Egypte romaine: Récentes découvertes, implications techniques, économiques et sociales." In *Les arts de la couleur en Grèce ancienne... et ailleurs*, edited by Philippe Jockey. École française d'Athènes.

**Cartwright 1997A**

Cartwright, Caroline R. 1997. "Egyptian Mummy Portraits: Examining the Woodworkers' Craft." In *Portraits and*

*Masks: Burial Customs in Roman Egypt*, edited by Morris Bierbrier. The British Museum.

**Cartwright 1997B**

Cartwright, Caroline R. 1997. Wood identifications for Walker and Bierbrier 1997, multiple pages.

**Cartwright 2015**

Cartwright, Caroline R. 2015. "The Principles, Procedures and Pitfalls in Identifying Archaeological and Historical Wood Samples." *Annals of Botany* 116 (1): 1–13. <https://doi.org/10.1093/aob/mcv056>.

**Cartwright 2020**

Cartwright, Caroline R. 2020. "Understanding Wood Choices for Ancient Panel Painting and Mummy Portraits in the APPEAR Project through Scanning Electron Microscopy." In Svoboda and Cartwright 2020. <https://www.getty.edu/publications/mummyportraits/part-one/2>.

**Cartwright 2022**

Cartwright, Caroline R. 2022. "Identification of the Wood Used for the Mummy Portrait 25.2 in the Collection of the Detroit Institute of Arts, Michigan." Internal Document, Department of Scientific Research, The British Museum.

**Cartwright and Middleton 2008**

Cartwright, Caroline R., and Andrew P. Middleton. 2008. "Scientific Aspects of Ancient Faces: Mummy Portraits from Egypt." *The British Museum Technical Research Bulletin* 2: 59–66.

**Cartwright, Spaabæk, and Svoboda 2011**

Caroline R. Cartwright, Lin Rosa Spaabæk, and Marie Svoboda. 2011. "Portrait Mummies from Roman Egypt: Ongoing Collaborative Research on Wood Identification." *The British Museum Technical Research Bulletin* 5: 49–58.

**Casadio et al. 2019**

Casadio, Francesca, Katrien Keune, Petria Noble, Annelies Van Loon, Ella Hendriks, Silvia A. Centeno, and Gillian Osmond. 2019. *Metal Soaps in Art*. Springer International.

**Centeno 2016**

Centeno, Silvia A. 2016. "Identification of Artistic Materials in Paintings and Drawings by Raman Spectroscopy: Some Challenges and Future Outlook." *Journal of Raman Spectroscopy* 47 (1): 9–15. <https://doi.org/10.1002/jrs.4767>.

**Challis 2013**

Challis, Debbie. 2013. *The Archaeology of Race*. Bloomsbury.

**Chatterjee and Hannan 2016**

Chatterjee, Helen J., and Leonie Hannan. 2016. *Engaging the Senses: Object-Based Learning in Higher Education*. Routledge.

**Christie's New York 2005**

Christie's New York. 2005. "An Egyptian Painted Wood Mummy Portrait of a Woman." Auction Catalogue (Sale 1584). December 9. Accessed August 13, 2019. <https://www.christies.com/lotfinder/lot/an-egyptian-painted-wood-mummy-portrait-of-4617234-details.aspx>.

**Christie's New York 2011**

Christie's New York. 2011. "An Egyptian Painted Wood Mummy Portrait of a Woman." Auction Catalogue (Sale 2450). June 9. Accessed August 13, 2019. <https://www.christies.com/lotfinder/Lot/an-egyptian-painted-wood-mummy-portrait-of-5443249-details.aspx>.

**Clarysse 1995**

Clarysse, Willy. 1995. "Greeks in Ptolemaic Thebes." In *Hundred-Gated Thebes: Acts of a Colloquium on Thebes and the Theban Area in the Graeco-Roman Period*, edited by Sven P. Vleeming. Brill.

**Clementi et al. 2008**

Clementi, Catia, Brenda Doherty, Pier Luigi Gentili, Costanza Miliiani, Aldo Romani, Bruno G. Brunetti, and Antonio Sgamellotti. 2008. "Vibrational and Electronic Properties of Painting Lakes." *Applied Physics A* 92 (1): 25–33. <https://doi.org/10.1007/s00339-008-4474-6>.

**Clerc (1847) 2009**

Clerc, Alfred. 1847. "Lettre à M. De Saulcy sur Quelques Antiquités Égyptiennes et sur le Boeuf Apis." *Revue Archéologique* 3 (2): 649–67. Translated in Fiechter 2009. Flammarion.

**Colinart and Grappin-Wsevoljsky 1999**

Colinart, Sylvie, and Sibille Grappin-Wsevoljsky. 1999. "La cire punique: Étude critique des recettes antiques et de leur interprétation; Application aux portraits du Fayoum." In *ICOM-CC 12th Triennial Meeting, Lyon*, vol. 1, edited by Janet Bridgland and Jessica Brown. James & James.

**Colinart et al. 2001**

Colinart, Sylvie, et al. 2001. "Masques funéraires égyptiens de l'époque romaine." In *Le plâtre: L'art et la matière*, edited by Georges Barthe. Créaphis.

**Colombo 1995**

Colombo, L. 1995. *I colori degli antichi*. Nardini.

**Connan 1999**

Connan, Jacques. 1999. "Use and Trade of Bitumen in Antiquity and Prehistory: Molecular Archaeology Reveals Secrets of Past Civilizations." *Philosophical Transactions of the Royal Society B: Biological Sciences* 354 (1379): 33–50. <http://doi.org/10.1098/rstb.1999.0358>.

**Cooney 1950**

Cooney, John D. 1950. "A Reexamination of Some Egyptian Antiquities." *Brooklyn Museum Bulletin* 11 (3): 11–26. <http://www.jstor.org/stable/26458610>.

**Corcoran 1995**

Corcoran, Lorelei H. 1995. *Portrait Mummies from Roman Egypt (I-IV Centuries AD): With a Catalog of Portrait Mummies in Egyptian Museums*. Oriental Institute of the University of Chicago.

**Corcoran and Svoboda 2010**

Corcoran, Lorelei H., and Marie Svoboda. 2010. *Herakleides: A Portrait Mummy from Roman Egypt*. J. Paul Getty Museum.

**Cosentino 2013**

Cosentino, Antonino. 2013. "Infrared False Color for Art Examination." Cultural Heritage Science Open Source. February 13. Accessed June 20, 2020. <https://chsopencsource.org/photoshop-for-multispectral-imaging-speeding-up-workflow/>.

**Cosentino 2014**

Cosentino, Antonino. 2014. "Identification of Pigments by Multispectral Imaging: A Flowchart Method." *Conservation Heritage Science* 2 (8): 1–12. <https://doi.org/10.1186/2050-7445-2-8>.

**Cowell and Craddock 1995**

Cowell, M. R., and P. T. Craddock. 1995. "Addendum: Copper in the Skin of Lindow Man." In *Bog Bodies: New Discoveries and New Perspectives*, edited by R. C. Turner and R. G. Scaife, 74–75. British Museum Press.

**Cucci et al. 2019**

Cucci, Costanza, E. Keats Webb, Andrea Casini, Marina Ginanni, Elena Prandi, Lorenzo Stefani, Tatiana Vitorino, and Marcello Picollo. 2019. "Short-Wave Infrared Reflectance Hyperspectral Imaging for Painting Investigations: A Methodological Study." *Journal of the American Institute for Conservation* 58 (1–2): 16–36. <https://doi.org/10.1080/01971360.2018.1543102>.

**Cumbo 2019**

Cumbo, Cristina. 2019. *Le c.d. gammadiae nelle catacombe cristiane di Roma: Censimento, confronti ed ipotesi interpretative*. BAR Publishing.

**Cuní et al. 2012**

Cuní, Jorge, Pedro Cuní, Brielle Eisen, Rubén Savizkyc, and John Bové. 2012. "Characterization of the Binding Medium Used in Roman Encaustic Paintings on Wall and Wood." *Analytical Methods* 4 (3): 659–69. <https://doi.org/10.1039/C2AY05635F>.

**Dandrau 1999**

Dandrau, Alain. 1999. "La peinture murale minoenne, I. La palette du peintre égéen et égyptien à l'Âge du Bronze: Nouvelles données analytiques." *Bulletin de Correspondance Hellénique* 123 (1): 1–41. [https://www.persee.fr/doc/bch\\_0007-4217\\_1999\\_num\\_123\\_1\\_7209](https://www.persee.fr/doc/bch_0007-4217_1999_num_123_1_7209).

**Dasen 2008**

Dasen, Véronique. 2008. "Le secret d'Omphale." *Revue Archéologique* 46 (2): 265–81. <http://www.jstor.org/stable/23911294>.

**Daszewski 2008**

Daszewski, Wiktor Andrzej. 2008. "Graeco-Roman Town and Necropolis in Marina El-Alamei." *Polish Archaeology in the Mediterranean* 20: 421–56.

**Davies 1984**

Davies, W. Vivian. 1984. *The Statuette of Queen Tetisheri: A Reconsideration*. The British Museum.

**Davis 1989**

Davis, Whitney M. 1989. *The Canonical Tradition in Ancient Egyptian Art*. Cambridge University Press.

**Davis 2021**

Davis, Paul R. 2021. "The Twentieth-Century Life of a 'Hellenistic' or 'Imperial Roman' Statue of a Bull." In Hopkins, Costello, and Davis 2021.

**Davy 1815**

Davy, Humphry. 1815. "Some Experiments and Observations on the Colours Used in Painting by the Ancients." *Philosophical Transactions of the Royal Society of London* 105: 97–124. <https://www.jstor.org/stable/107361>.

**Dean-Jones 1991**

Dean-Jones, Lesley. 1991. "The Cultural Construct of the Female Body in Classical Greek Science." In *Women's History and Ancient History*, edited by Sarah B. Pomeroy. University of North Carolina Press.

**de Cenival 1991**

de Cenival, Jean-Louis. 1991. "La fin de la tête de harpe." *La Revue du Louvre et des musées de France* 1: 6–7.

**de Faria, Silva, and de Oliveira 1997**

de Faria, Dalva L. A., S. Venâncio Silva, and M. T. de Oliveira. 1997. "Raman Microspectroscopy of Some Iron Oxides and Oxyhydroxides." *Journal of Raman Spectroscopy* 28 (11): 873–78.

**Delamare, Monge, and Repoux 2004**

Delamare, François, Gabriel Monge, and Monique Repoux. 2004. "À la recherche de différentes qualités marchandes dans les bleus égyptiens trouvés à Pompéi." *Rivista di Studi Pompeiani* 15: 89–107. <http://www.jstor.org/stable/44291046>.

**Delaney et al. 2017**

Delaney, John K., Kathryn A. Dooley, Roxanne Radpour, and Ioanna Kakoulli. 2017. "Macroscale Multimodal Imaging Reveals Ancient Painting Production Technology and the Vogue in Greco-Roman Egypt." *Scientific Reports* 7 (1): 15509. <https://doi.org/10.1038/s41598-017-15743-5>.

**de la Rie 1982**

de la Rie, E. René. 1982. "Fluorescence of Paint and Varnish Layers (Part I)." *Studies in Conservation* 27 (1): 1–7.

**de Vartavan 2007**

de Vartavan, Christian T. 2007. "Pistacia Species in Relation to Their Use as Varnish and 'Incense' (Sntr) in Pharaonic Egypt." *Bulletin of Parthian and Mixed Oriental Studies*, no. 2, 63–92.

**de Vartavan 2009**

de Vartavan, Christian T. 2009. "Labeling Ancient Egyptian Complex-Media Varnish as 'Imperial.'" *Journal of Ancient Egyptian Interconnections* 1 (2): 26–28.

**De Viguerie et al. 2018**

De Viguerie, Laurence, Sophie Rochut, Matthias Alfeld, Philippe Walter, Sophie Astier, Valérie Gontero, and Florence Boulc'h. 2018. "XRF and Reflectance Hyperspectral Imaging on a 15<sup>th</sup>-Century Illuminated Manuscript: Combining Imaging and Quantitative Analysis to Understand the Artist's Technique." *Heritage Science* 6: 11. <https://doi.org/10.1186/s40494-018-0177-2>.

**Dietemann et al. 2017**

Dietemann, Patrick, Heike Stege, Ursula Baumer, Andrea Obermeier, Christoph Steuer, Luise Sand, Catharine Bländsdorf, Elisabeth Fugmann, and Kristian Kaiser. 2017.

"Pigmente und Bindemittel antiker Mumienporträts." In *Inkarnat und Signifikanz: Das menschliche Abbild in der Tafelmalerei von 200 bis 1250 im Mittelmeerraum*, edited by Yvonne Schmuhl and Esther Pia Wipfler. Zentralinstitut für Kunstgeschichte.

**Doxiadis 1995**

Doxiadis, Euphrosyne. 1995. *The Mysterious Fayum Portraits: Faces from Ancient Egypt*. Thames & Hudson.

**Drerup 1933**

Drerup, Heinrich. 1933. *Die Datierung der Mumienporträts*. Ferdinand Schönigh.

**Drimmer 2022**

Drimmer, Sonja. 2022. "Connoisseurship, Art History, and the Paleographical Impasse in Middle English Studies." *Speculum* 97 (2): 415–68.

**Duce et al. 2012**

Duce, Celia, Lisa Ghezzi, Massimo Onor, Iliara Bonaduce, Maria Perla Colombini, Maria Rosaria Tine', and Emilia Bramanti. 2012. "Physico-Chemical Characterisation of Protein-Pigment Interactions in Tempera Paint Reconstructions: Casein/Cinnabar and Albumin/Cinnabar." *Analytical and Bioanalytical Chemistry* 402 (6): 2183–93.

**Dunand and Zivie-Coche 2004**

Dunand, Françoise, and Christiane Zivie-Coche. 2004. *Gods and Men in Egypt: 3000 BCE to 395 CE*. Cornell University Press.

**Dyer and Newman 2020**

Dyer, Joanne, and Nicola Newman. 2020. "Multispectral Imaging Techniques Applied to the Study of Romano-Egyptian Funerary Portraits at the British Museum." In Svoboda and Cartwright 2020.

**Dyer, Verri, and Cupitt 2013**

Dyer, Joanne, Giovanni Verri, and John Cupitt. 2013. *Multispectral Imaging in Reflectance and Photo-Induced Luminescence Modes: A User Manual*. The British Museum.

**Eastaugh et al. 2004**

Eastaugh, Nicholas, Valentine Walsh, Tracey Chaplin, and Ruth Siddall. 2004. *Pigment Compendium: A Dictionary and Optical Microscopy of Historical Pigments*. Butterworth-Heinemann.

**Eastaugh et al. 2008**

Eastaugh, Nicholas, Valentine Walsh, Tracey Chaplin, and Ruth Siddall. 2008. *Pigment Compendium: A Dictionary and*

*Optical Microscopy of Historical Pigments*. 3rd ed. Butterworth-Heinemann.

**Eastlake 1891**

Eastlake, Elizabeth. 1891. "Giovanni Morelli: Patriot and Critic." *Quarterly Review* 173: 235.

**Ebbinghaus et al. 2022A**

Ebbinghaus, Susanne, Georgina Rayner, Kate Smith, and Jen Thum. 2022. "Funerary Portraits from Roman Egypt: Facing Forward." Harvard Art Museums. Accessed September 2, 2022. <https://harvardartmuseums.org/tour/770>.

**Ebbinghaus et al. 2022B**

Ebbinghaus, Susanne, Georgina Rayner, Kate Smith, and Jen Thum. 2022. "Portrait of a Woman." Harvard Art Museums. Accessed December 28, 2022. <https://harvardartmuseums.org/tour/funerary-portraits-from-roman-egypt-facing-forward-2/slide/12405>.

**Ebbinghaus et al. 2022C**

Ebbinghaus, Susanne, Georgina Rayner, Kate Smith, and Jen Thum. 2022. "Results of Technical Studies." Harvard Art Museums. Accessed December 28, 2022. <https://harvardartmuseums.org/tour/funerary-portraits-from-roman-egypt-facing-forward/stop/2609>.

**Ebbinghaus et al. 2022D**

Ebbinghaus, Susanne, Georgina Rayner, Kate Smith, and Jen Thum. 2022. "Tracing the Path to the Museum." Harvard Art Museums. Accessed September 2, 2022. <https://harvardartmuseums.org/tour/funerary-portraits-from-roman-egypt-facing-forward-2/slide/12413>.

**Ebers 1893**

Ebers, Georg. 1893. *Antike Portraits: Die hellenistischen Bildnisse aus dem Fajjûm*. Leipzig.

**Edgar 1905**

Edgar, Campbell C. 1905. *Graeco-Egyptian Coffins and Portraits: Catalogue général des antiquités Égyptiennes du Musée du Caire*. Imprimerie de l'Institut français d'archéologie orientale.

**Edwards Howell et al. 2007**

Edwards Howell, G. M., Ben Stern, Susana E. Jorge Villar, and A. Rosalie David. 2007. "Combined FT-Raman Spectroscopic and Mass Spectrometric Study of Ancient Egyptian Sarcophagal Fragments." *Analytical and Bioanalytical Chemistry* 387 (3): 829–36.

**El-Rifai, Mahgoub, and Ide-Ektassabi 2016**

El-Rifai, Ibrahim, Hend Mahgoub, and Ari Ide-Ektassabi. 2016. "Multi-Spectral Imaging System (IWN) for the Digitization and Investigation of Cultural Heritage." In *Digital Heritage. Progress in Cultural Heritage: Documentation, Preservation, and Protection: 6th International Conference, EuroMed 2016, Nicosia, Cyprus, October 31–November 5, 2016, Proceedings, Part I*. Springer. [https://doi.org/10.1007/978-3-319-48496-9\\_19](https://doi.org/10.1007/978-3-319-48496-9_19).

**Elston and Maish 2001**

Elston, Maya, and Jeffrey Maish. 2001. "Technical Investigation of a Painted Romano-Egyptian Sarcophagus from the Fourth Century A.D." In vol. 2 of *Studia Varia from the J. Paul Getty Museum*. J. Paul Getty Museum.

**Fairbanks and Fairbanks 2005**

Fairbanks, Avarad T., and Eugene F. Fairbanks. 2005. *Human Proportions for Artists*. Fairbanks Art and Books.

**Feller 1986**

Feller, Robert. 1986. "Barium Sulfate." In vol. 1 of *Artists' Pigments: A Handbook of Their History and Characteristics*, edited by Robert Feller. National Gallery of Art.

**Fiechter 2009**

Fiechter, Jean-Jacques. 2009. *Egyptian Fakes: Masterpieces That Duped the Art World and the Experts Who Uncovered Them*. Flammarion.

**FitzHugh 1986**

FitzHugh, Elisabeth West. 1986. "Red Lead and Minium." In vol. 1 of *Artists' Pigments: A Handbook of Their History and Characteristics*, edited by Robert Feller. National Gallery of Art.

**Fouqué 1889**

Fouqué, Ferdinand. 1889. "Sur le bleu égyptien ou vestorien." *Comptes-rendus hebdomadaires des séances de l'Académie des sciences* 108: 325–27.

**Fournet 2004**

Fournet, Jean-Luc. 2004. "Deux textes relatifs à des couleurs: 1. Liste mentionnant des teintures (P. Société Fouad inv. 99); 2. Un portrait avec des indications destinées au peintre (Phoebe Hearst Museum [Berkeley] inv. 6/21378b)." In *Gedenkschrift Ulrike Horak (P. Horak)*, edited by Hermann Harrauer and Rosario Pintaudi. *Papyrologica Florentina* 34. Gonnelli.

**Freccero 2000**

Freccero, Agneta. 2000. *Fayum Portraits: Documentation and Scientific Analysis of Mummy Portraits Belonging to Nationalmuseum in Stockholm*. Acta Universitatis Gothoborgensis.

**Fulcher et al. 2021**

Fulcher, Kate, Margaret Serpico, John H. Taylor, and Rebecca Stacey. 2021. "Molecular Analysis of Black Coatings and Anointing Fluids from Ancient Egyptian Coffins, Mummy Cases, and Funerary Objects." *PNAS: Proceedings of the National Academy of Sciences of the United States of America* 118 (18): e2100885118. <https://doi.org/10.1073/pnas.2100885118>.

**Galán 2007**

Galán, José M. 2007. "An Apprentice's Board from Dra Abu el-Naga." *JEA (Journal of Egyptian Archaeology)* 93 (2007): 95–116.

**Ganio et al. 2015**

Ganio, Monica, Johanna Salvant, Jane Williams, Lynn Lee, Oliver Cossairt, and Marc Walton. 2015. "Investigating the Use of Egyptian Blue in Roman Egyptian Portraits and Panels from Tebtunis, Egypt." *Applied Physics A* 121 (3): 813–21. <https://doi.org/10.1007/s00339-015-9424-5>.

**Gänsicke 2010**

Gänsicke, Susanne. 2010. "The Conservation of Decorated Organic Egyptian Surfaces: A Literature Review." In *Decorated Surfaces on Ancient Egyptian Objects: Technology, Deterioration, and Conservation; Proceedings of a Conference Held in Cambridge, UK, on 7–8 September 2007*, edited by Julie Dawson, Christina Rozeik, and Margot M. Wright. Archetype.

**Gehad et al. 2022**

Gehad, Basem, Lorelai H. Corcoran, Mahmoud Ibrahim, Ahmed Hammad, Mohamed Samah, Abd Allah Abdo, and Omar Fekry. 2022. "Newly Discovered Mummy Portraits from the Necropolis of Ancient Philadelphia–Fayum." *BIFAO* 122, 245–64. <https://journals.openedition.org/bifao/11727>.

**Gemological Institute of America N.D.**

Gemological Institute of America. n.d. "Buyer's Guide." Accessed September 9, 2022. <https://www.gia.edu/emerald/buyers-guide>.

**Granger 1931**

Granger, Frank, trans. 1931. *On Architecture; Volume I: Books 1–5*. By Vitruvius. Harvard University Press.

**Granger 1934**

Granger, Frank, trans. 1934. *On Architecture; Volume II: Books 6–10*. By Vitruvius. Harvard University Press.

**Griswold 2014**

Griswold, Geneva. 2014. "Light as a Feather, Stiff as a Board: Highlights from the Objects Lab at the Walters Art Museum." Unpublished document. Walters Art Museum.

**Gschwantler 2000**

Gschwantler, Kurt. 2000. "Graeco-Roman Portraiture." In Walker 2000A.

**Halleux 1981**

Halleux, Robert. 1981. *Les alchimistes grecs. Tome I. Papyrus de Leyde. Papyrus de Stockholm. Fragments de recettes. Texte établi et traduit par Robert Halleux*. Les Belles Lettres.

**Hanke 1961**

Hanke, Rainer. 1961. *Untersuchungen zur Komposition des ägyptischen Flachbildes*. PhD diss. Kramer.

**Hardwick 2010**

Hardwick, Tom. 2010. "A Group of Art Works in the Amarna Style." In *Offerings to the Discerning Eye: An Egyptological Medley in Honor of Jack A. Josephson*, edited by Sue D'Auria. Brill.

**Hart 2016**

Hart, Mary Louise. 2016. "A Portrait of a Bearded Man Flanked by Isis and Serapis." In *Icon, Cult and Context: Sacred Spaces and Objects in the Classical World*, edited by Maura K. Heyn and Ann Irvine Steinsapir. UCLA Cotsen Institute of Archaeology Press.

**Hatchfield and Newman 1991**

Hatchfield, Pamela, and Richard Newman. 1991. "Ancient Egyptian Gilding Methods." In *Gilded Wood: Conservation and History*, edited by Deborah Bigelow et al. Sound View Press.

**Haugan and Holst 2013**

Haugan, E., and Bodil Holst. 2013. "Determining the Fibrillar Orientation of Bast Fibers with Polarized Light Microscopy: The Modified Herzog Test (Red Plate Test) Explained." *Journal of Microscopy* 252 (2): 159–68. <https://doi.org/10.1111/jmi.12079>.

**Henzel, Watanabe, and Stults 2003**

Henzel, William J., Colin Watanabe, and John T. Stults. 2003. "Protein Identification: The Origins of Peptide Mass Fingerprinting." *Journal of the American Society of Mass Spectrometry* 14 (9): 931–42. [https://doi.org/10.1016/S1044-0305\(03\)00214-9](https://doi.org/10.1016/S1044-0305(03)00214-9).

**Hetherington 1996**

Hetherington, Paul, trans. 1996. *The "Painter's Manual" of Dionysius of Fournà*. By Dionysius of Fournà. Oakwood.

**Hett 1936**

Hett, W., trans. 1936. *Minor Works: On Colours, On Things Heard, Physiognomics, On Plants, On Marvelous Things Heard, Mechanical Problems, On Indivisible Lines, The Situations and Names of Words, On Melissus, Xenophanes, and Gorgia*. By Aristotle. Harvard University Press.

**Hillyer 1984**

Hillyer, Lynda. 1984. "The Conservation of a Group of Painted Mummy Cloths from Roman Egypt." *Studies in Conservation* 29 (1): 1–9.

**Hofko et al. 2017**

Hofko, Bernhard, Mohammad Zia Alavi, Hinrich Grothe, David Jones, and John Harvey. 2017. "Repeatability and Sensitivity of FTIR ATR Spectral Analysis Methods for Bituminous Binders." *Materials and Structures* 50 (3): 1–15.

**Hopkins, Costello, and Davis 2021**

Hopkins, John N., Sarah K. Costello, and Paul R. Davis, eds. 2021. *Object Biographies: Collaborative Approaches to Ancient Mediterranean Art*. Yale University Press.

**Horie 1987**

Horie, Charles V. 1987. *Materials for Conservation*. Butterworth-Heinemann.

**Hoving 1997**

Hoving, Thomas. 1997. *False Impressions: The Hunt for Big-Time Art Fakes*. Touchstone.

**Ichimiya 2021**

Ichimiya, Yae. 2021. "FORS Identification of Azurite, Indigo, and Prussian Blue in Chinese Paintings." In *Scientific Studies of Pigments in Chinese Paintings*, edited by Blythe McCarthy and Jennifer Giaccai. Archetype.

**Ikram 1995**

Ikram, Salima. 1995. "Food for Eternity: What the Ancient Egyptians Ate and Drank, Part 1: Meat, Fish Fowl." *KMT: A Modern Journal of Ancient Egypt* 5 (1): 24–33.

**Ikram and Dodson 1998**

Ikram, Salima, and Aidan Dodson. 1998. *The Mummy in Ancient Egypt: Equipping the Dead for Eternity*. Thames & Hudson.

**Imbrogno, Nayak, and Belfort 2014**

Imbrogno, Joseph, Arpad Nayak, and Georges Belfort. 2014. "Egg Varnishes on Ancient Paintings: A Molecular Connection to Amyloid Proteins." *Angewandte Chemie* 53 (27). <https://doi.org/10.1002/anie.201400251>.

**Iversen 1955**

Iversen, Erik. 1955. *Canon and Proportion in Egyptian Art*. Sidgwick and Jackson.

**Jaeschke 1997**

Jaeschke, Richard L. 1997. "Mechanical Cleaning and the Conservation of Portraits from the Petrie Museum of Egyptian Archaeology." In *Portraits and Masks: Burial Customs in Roman Egypt*, edited by Morris Bierbrier. The British Museum.

**Jenkins 2015**

Jenkins, Ian, ed. 2015. *Defining Beauty: The Body in Ancient Greek Art*. The British Museum.

**Jensen and Muhlestein 2020**

Jensen, Bethany, and Kerry Muhlestein. 2020. "The Mummy Portraits of Fag el-Gamous." In *Excavations at the Seila Pyramid and Fag el-Gamous Cemetery*, edited by Kerry Muhlestein, Bethany Jensen, and Krystal V. L. Pierce. Brill.

**Jimenez 2014**

Jimenez, Lisette Marie. 2014. "Transfiguring the Dead: The Iconography, Commemorative Use, and Materiality of Mummy Shrouds from Roman Egypt." PhD diss., University of California, Berkeley. ProQuest (Jimenez\_berkeley\_0028E\_14840).

**Jiménez et al. 2004**

Jiménez, Juan J., José L. Bernal, S. Aumente, María Jesús del Nozal, María Teresa Martín, and José Bernal Jr. 2004. "Quality Assurance of Commercial Beeswax. Part I. Gas Chromatography–Electron Impact Ionization Mass Spectrometry of Hydrocarbons and Monoesters." *Journal of Chromatography A* 1024 (1–2): 147–54.

**Jones 2019**

Jones, Nathaniel B. 2019. *Painting, Ethics, and Aesthetics in Rome*. Cambridge University Press.

**Jones, Craddock, and Barker 1990**

Jones, Mark, Paul T. Craddock, and Nicolas Barker. 1990. *Fake? The Art of Deception*. University of California Press.

**Kakoulli 2009**

Kakoulli, Ioanna. 2009. *Greek Painting Techniques and Materials: From the Fourth to the First Century BC*. Archetype.

**Kersel 2021**

Kersel, Morag M. 2021. "Telling Stories of Objects." In Hopkins, Costello, and Davis 2021.

**Kielland 1955**

Kielland, Else Christie. 1955. *Geometry in Egyptian Art*. Tiranti.

**King 2016**

King, Helen. 2016. *The One-Sex Body on Trial: The Classical and Early Modern Evidence*. Routledge.

**Kirby et al. 2011**

Kirby, Daniel P., Narayan Khandekar, Julie Arslanoglu, and Ken Sutherland. 2011. "Protein Identification in Artworks by Peptide Mass Fingerprinting." In *ICOM Committee for Conservation, 16th Triennial Meeting, Lisbon, Portugal, 19–23 September 2011*, edited by Janet Bridgland. Critério Artes Gráficas.

**Kirby et al. 2023**

Kirby, Daniel P., Marie Svoboda, Joy Mazurek, Lin Rosa Spaabæk, and John Southon. 2023. "Characterization of an Unusual Coating on Funerary Portraits from Roman Egypt circa 100–300 AD." *Heritage Science* 11: 1–18.

**Kirby, Saunders, and Spring 2006**

Kirby, Jo, David Saunders, and Marika Spring. 2006. "Proscribed Pigments in Northern European Renaissance Painting and the Case of Paris Red." In *The Object in Context: Crossing Conservation Boundaries*, edited by David Saunders, Joyce H. Townsend, and Sally Woodcock. International Institute of Conservation.

**Kirby, Spring, and Higgitt 2005**

Kirby, Jo, Marika Spring, and Catherine Higgitt. 2005. "The Technology of Red Lake Pigment Manufacture: Study of the Dyestuff Substrate." *National Gallery Technical Bulletin* 26: 71–87.

**Knauer 1993**

Knauer, Elfriede R. 1993. "Roman Wall Painting from Boscotrecase: Three Studies in the Relationship Between Writing and Painting." *Metropolitan Museum Journal* 28: 13–46.

**Knudsen 2017**

Knudsen, Sandra. 2017. "Cats. 155–156: Two Mummy Portraits." In *Roman Art at the Art Institute of Chicago*, edited by Katharine A. Raff. Art Institute of Chicago. <https://publications.artic.edu/roman/reader/romanart/section/1965/1965>.

**Koeppen 1973**

Koeppen, R. C. 1973. "Report Sent to Hubert Von Sonnenburg, Dated January 31, 1973." Center for Wood Anatomy Research, Forest Service, United States of Agriculture.

**Konstan 2014**

Konstan, David. 2014. *Beauty: The Fortunes of an Ancient Greek Idea*. Oxford University Press.

**Kostomitsopoulou Marketou et al. 2020**

Kostomitsopoulou Marketou, Ariadne, Fabrizio Andriulo, Calin Steindal, and Søren Handberg. 2020. "Egyptian Blue Pellets from the First Century BCE Workshop of Kos (Greece): Microanalytical Investigation by Optical Microscopy, Scanning Electron Microscopy-X-ray Energy Dispersive Spectroscopy and Micro-Raman Spectroscopy." *Minerals* 10 (12): 1063. <https://doi.org/10.3390/min10121063>.

**Krohn 1912**

Krohn, F., ed. *On Architecture*. By Vitruvius. B. G. Teubner.

**Kühn 1960**

Kühn, Hermann. 1960. "Detection and Identification of Waxes, Including Punic Wax by Infrared Spectrography." *Studies in Conservation* 5 (2): 71–81. <https://doi.org/10.2307/1504955>.

**Kühn 1986**

Kühn, Hermann. 1986. "Zinc White." In vol. 1 of *Artists' Pigments: A Handbook of Their History and Characteristics*, edited by Robert Feller. National Gallery of Art.

**Laes and Strubbe 2014**

Laes, Christian, and Johan Strubbe. 2014. *Youth in the Roman Empire: The Young and the Restless Years?* Cambridge University Press.

**Lajtar 2005**

Lajtar, Adam. 2005. *Deir el-Bahari in the Hellenistic and Roman Periods: A Study of an Egyptian Temple Based on Greek Sources*. Institute of Archaeology, Department of Papyrology, Warsaw University.

**Lajtar 2012**

Lajtar, Adam. 2012. "The Theban Region Under the Roman Empire." In *The Oxford Handbook of Roman Egypt*, edited by Christina Riggs. Oxford University Press.

**Larsen, Coluzzi, and Cosentino 2016**

Larsen, Randolph, Nicolette Coluzzi, and Antonino Cosentino. 2016. "Free XRF Spectroscopy Database of

Pigments Checker." *International Journal of Conservation Science* 7 (3): 659–68.

**Laver 1997**

Laver, Marilyn. 1997. "Titanium White." In vol. 3 of *Artists' Pigments: A Handbook of Their History and Characteristics*, edited by Elisabeth FitzHugh. National Gallery of Art.

**Lazzarini 1982**

Lazzarini, Lorenzo. 1982. "The Discovery of Egyptian Blue in a Roman Fresco of the Mediaeval Period (Ninth Century AD)." *Studies in Conservation* 27 (2): 84–86. <https://doi.org/10.1179/sic.1982.27.2.84>.

**Lee and Quirke 2000**

Lee, Lorna, and Stephen Quirke. 2000. "Painting Materials." In Nicholson and Shaw 2000.

**Lee et al. 2015**

Lee, Hae Young, Natalya Atlasevich, Clara Granzotto, Julia Schultz, John Loike, and Julie Arslanoglu. 2015. "Development and Application of an ELISA Method for the Analysis of Protein-Based Binding Media of Artworks." *Analytical Methods* 7 (1): 187–96.

**Lehmann 2012**

Lehmann, Ann-Sophie. 2012. "How Materials Make Meaning." *Netherlands Yearbook for History of Art* 62 (1): 6–27. <https://doi.org/10.1163/22145966-06201002>.

**Lehmann 2014**

Lehmann, A. S. 2014. "Stil und Material: Ein beschaeraktes Verhaeltnis." *kritische berichte – Zeitschrift für Kunst- und Kulturwissenschaften* 42 (1): 127–36.

**Lenain 2011**

Lenain, Thierry. 2011. *Art Forgery: The History of a Modern Obsession*. Reaktion.

**Lilyquist, Hoch, and Peden 2003**

Lilyquist, Christine, James E. Hoch, and A. J. Peden. 2003. *The Tomb of Three Foreign Wives of Tuthmosis III*. The Metropolitan Museum of Art.

**Lliveras et al. 2010**

Lliveras, Anna, Anna Torrents, Pilar Giráldez, and Marius Vendrell-Saz. 2010. "Evidence for the Use of Egyptian Blue in an 11th-Century Mural Altarpiece by SEM-EDS, FTIR and SR XRD (Church of Sant Pere, Terrassa, Spain)." *Archaeometry* 52 (2): 308–19.

**Longoni et al. 2022**

Longoni, Margherita, Beatrice Genova, Alessia Marzanni, Daniela Melfi, Carlotta Beccaria, and Silvia Bruni. 2022. "FT-NIR Spectroscopy for the Non-Invasive Study of Binders and Multi-Layered Structures in Ancient Paintings: Artworks of the Lombard Renaissance as Case Studies." *Sensors* 22 (5): 2052.

**Lowe 1897**

Lowe, John. 1897. *The Yew-Trees of Great Britain and Ireland*. Macmillan.

**Lucas and Harris 1962**

Lucas, Alfred, and J. R. Harris. 1962. *Ancient Egyptian Materials and Industries*. Histories & Mysteries of Man.

**Maclehose 1960**

Maclehose, Louisa S., trans. 1960. *Vasari on Technique*. By Vasari. Dover.

**Mallgrave 2006**

Mallgrave, Harry, trans. 2006. *Johann Joachim Winckelmann: History of the Art of Antiquity*. Getty Research Institute.

**Manley and Rée 2001**

Manley, Deborah, and Peta Rée. 2001. *Henry Salt: Artist, Traveller, Diplomat, Egyptologist*. Libri.

**Manning 2013**

Manning, Joseph. 2013. "Thebes (Diospolis Magna), Ptolemaic and Roman Periods." In *The Encyclopedia of Ancient History*, edited by Roger S. Bagnall, Kai Brodersen, Craige B. Champion, Andrew Erskine, and Sabine R. Huebner. Blackwell.

**Maravelia 2019**

Maravelia, Alicia. 2019. "The Conception of the Cosmic Egg in the Ancient Egyptian and in the Orphic Cosmology." *The Oriental Studies* (83): 25–52.

**Marconi 1967**

Marconi, Bohdan. 1967. "Wspomnienia z lat 1939–1945." *Rocznik Muzeum Narodowego w Warszawie* 11: 269–77.

**Matheson 2022**

Matheson, Susan. 2022. "Individuality and Old Age in the Painted Funerary Portraits of Roman Egypt." Harvard Art Museums. Accessed December 29, 2024. <https://harvardartmuseums.org/tour/770/slide/12398>.

**Mathews 2016**

Mathews, Thomas F. 2016. "Appendix B – Media Analysis." In Mathews and Müller 2016.

**Mathews and Müller 2016**

Mathews, Thomas F., and Norman E. Müller. 2016. *The Dawn of Christian Art in Panel Paintings and Icons*. J. Paul Getty Museum.

**Mayberger et al. 2020**

Mayberger, Evelyn (Eve), Jessica Arista, Marie Svoboda, and Molly Gleeson. 2020. "Invisible Brushstrokes Revealed: Technical Imaging and Research of Romano-Egyptian Mummy Portraits." In Svoboda and Cartwright 2020.

**Mazurek 2020**

Mazurek, Joy. 2020. "Characterization of Binding Media in Roman-Egyptian Funerary Portraits." In Svoboda and Cartwright 2020.

**Mazurek et al. 2008**

Mazurek, Joy, Michael Schilling, Giacomo Chiari, and Arlen Heginbotham. 2008. "Antibody Assay to Characterize Binding Media in Paint." In *ICOM Committee for Conservation 15th Triennial Meeting, New Delhi, India, 22–26 September 2008*, edited by Janet Bridgland. Allied.

**Mazurek et al. 2014**

Mazurek, Joy, Marie Svoboda, Jeffrey Maish, Kazuki Kawahara, Shunsuke Fukakusa, Takashi Nakazawa, and Yoko Taniguchi. 2014. "Characterization of Binding Media in Egyptian Roman Portraits Using Enzyme-Linked Immunosorbent Assay and Mass Spectrometry." *e-Preservation Science* 11: 76–83.

**Mazurek, Svoboda, and Schilling 2019**

Mazurek, Joy, Marie Svoboda, and Michael Schilling. 2019. "GC/MS Characterization of Beeswax, Protein, Gum, Resin, and Oil in Romano-Egyptian Paintings." *Heritage* 2 (3): 1960–85. <https://doi.org/10.3390/heritage2030119>.

**Measday, Walker, and Pemberton 2017**

Measday, Danielle, Charlotte Walker, and Briony Pemberton. 2017. "A Summary of Ultra-Violet Fluorescent Materials Relevant to Conservation." *AICCM National Newsletter*, no. 137. Accessed April 26, 2021. <https://aiccm.org.au/national-news/summary-ultra-violet-fluorescent-materials-relevant-conservation>.

**Metropolitan Museum of Art N.D.**

Metropolitan Museum of Art. n.d. "Mummy with an Inserted Panel Portrait of a Youth, A.D. 80–100." Accessed April 8, 2022. <https://www.metmuseum.org/art/collection/search/547697>.

**Michałowski 1957**

Michałowski, Kazimierz. 1957. "Galeria Sztuki Starożytnej w Muzeum Narodowym w Warszawie." *Rocznik Muzeum Narodowego w Warszawie* 2: 101–38.

**Middleton 2018**

Middleton, William. 2018. *Double Vision: The Unerring Eye of Art World Avatars Dominique and John de Menil*. Knopf.

**Miliani et al. 2010**

Miliani, Costanza, Alessia Daveri, Lin R. Spaabæk, Aldo Romani, Valentina Manuali, Antonio Sgamellotti, and Brunetto G. Brunetti. 2010. "Bleaching of Red Lake Pigments in Encaustic Mummy Portraits." *Applied Physics A* 100 (3): 703–11. <https://doi.org/10.1007/s00339-010-5748-3>.

**Millon 1958**

Millon, Henry. 1958. "The Architectural Theory of Francesco di Giorgio." *The Art Bulletin* 40 (3): 257–61.

**Monico et al. 2013**

Monico, Letizia, Francesca Rosi, Costanza Miliani, Alessia Daveri, and Brunetto G. Brunetti. 2013. "Non-Invasive Identification of Metal-Oxalate Complexes on Polychrome Artwork Surfaces by Reflection Mid-Infrared Spectroscopy." *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* 116: 270–80.

**Montserrat 1993**

Montserrat, Dominic. 1993. "The Representation of Young Males in 'Fayum Portraits.'" *The Journal of Egyptian Archaeology* 79: 215–25.

**Montserrat 1998**

Montserrat, Dominic. 1998. *Changing Bodies, Changing Meanings: Studies on the Human Body in Antiquity*. Routledge.

**Moreau et al. 2023**

Moreau, Raphaël, Lucile Brunel-Duverger, Laurent Pichon, Brice Moignard, Didier Gourier, and Thomas Calligaro. 2023. "Application of a MA-XRF/RIS/PL Scanner to Paintwork Studies." *European Physical Journal Plus* 138: 16.

**Moreau et al. 2024**

Moreau, Raphaël, Thomas Calligaro, Laurent Pichon, Brice Moignard, Sorin Hermon, and Ina Reiche. "A Multimodal Scanner Coupling XRF, UV-Vis-NIR Photoluminescence and Vis-NIR-SWIR Reflectance Imaging Spectroscopy for Cultural Heritage Studies." *X-Ray Spectrometry* 53 (2): 271–81. <https://doi.org/10.1002/xrs.3364>.

**Morgan 1914**

Morgan, M., trans. 1914. *The Ten Books on Architecture*. By Vitruvius. Harvard University Press.

**Morgan 2006**

Morgan, Morris Hicky, trans. 2006. *Vitruvius Pollio: The Ten Books on Architecture*. Adamant Media.

**Nahar, Schmets, and Scarpas 2016**

Nahar, Sayeda, Alexander Schmets, and Athanasios Scarpas. 2016. "Probing Trace-Elements in Bitumen by Neutron Activation Analysis." *CROW InfraDagen* (2016): 1–13. <https://repository.tudelft.nl/record/uuid:133aed5b-45ed-4893-8cbf-6d56e3799022>.

**Naini et al. 2008**

Naini, F. B., M. T. Cobourne, F. McDonald, and A. N. A. Donaldson. 2008. "The Influence of Craniofacial to Standing Height Proportion on Perceived Attractiveness." *International Journal of Oral and Maxillofacial Surgery* 37 (10): 877–85.

**Nerlich et al. 2020**

Nerlich, Andreas G., Lukas Fischer, Stephanie Panzer, Roxane Bicker, Thomas Helmberger, and Sylvia Schoske. 2020. "The Infant Mummy's Face—Paleoradiological Investigation and Comparison between Facial Reconstruction and a Mummy Portrait of a Roman-Period Egyptian Child." *PLoS ONE* 15 (9): e0238427. <https://doi.org/10.1371/journal.pone.0238427>.

**Newman and Gates 2020**

Newman, Richard, and Glen Alan Gates. "The Matter of Madder in the Ancient World." In Svoboda and Cartwright 2020.

**Nicholson and Shaw 2000**

Nicholson, Paul T., and Ian Shaw. 2000. *Ancient Egyptian Materials and Technology*. Cambridge University Press.

**Nicola et al. 2024**

Nicola, Marco, Claudio Garino, Sophia Mittman, Emanuele Priola, Luca Palin, Marta Ghirardello, Vamshi Damagatla, Austin Nevin, Admir Masic, Daniella Comelli, and Roberto Gobetto. 2024. "Increased NIR Photoluminescence of Egyptian Blue via Matrix Effect Optimization." *Materials Chemistry and Physics* 313: 128710.

**Nissenbaum and Buckley 2013**

Nissenbaum, Arie, and Stephen Buckley. 2013. "Dead Sea Asphalt in Ancient Egyptian Mummies—Why?"

*Archaeometry* 55 (3): 563–68. <https://doi.org/10.1111/j.1475-4754.2012.00713.x>.

#### **Northcote 1819**

Northcote, James. 1819. *The Life of Sir Joshua Reynolds*. Volume 1. Printed for Henry Colburn, Conduit-Street.

#### **Omaran 2015**

Omaran, Wahid. 2015. "The Egg and Its Symbolism in the Graeco-Roman Period." *Journal of Faculty of Tourism and Hotels* 9 (1): 173–85.

#### **Opper 2008**

Opper, Thorsten. 2008. *Hadrian: Empire and Conflict*. The British Museum.

#### **Ordonez and Twilley 1998**

Ordonez, Eugena, and John Twilley. 1998. "Clarifying the Haze: Efflorescence on Works of Art." *Analytical Chemistry* 69 (13): 416A–22A. Reprinted without color illustrations in *WAAC Newsletter* 20 (1). <https://cool.culturalheritage.org/waac/wn/wn20/wn20-1/wn20-108.html>.

#### **Ostrowski 1966**

Ostrowski, Janusz. 1966. "Portret fajumski ze zbiorów Muzeum Narodowego w Warszawie." *Rocznik Muzeum Narodowego w Warszawie* 10: 13–22.

#### **Pagès-Camagna and Guichard 2010**

Pagès-Camagna, Sandrine, and Hélène Guichard. 2010. "Egyptian Colours and Pigments in French Collections: 30 Years of Physicochemical Analyses on 300 Objects." In *Decorated Surfaces on Ancient Egyptian Objects: Technology, Deterioration, and Conservation; Proceedings of a Conference Held in Cambridge, UK, on 7–8 September 2007*, edited by Julie Dawson, Christina Rozeik, and Margot M. Wright. Archetype.

#### **Park et al. 2019**

Park, Hae-Min, Amaris Sturm, Glenn Gates, and Lisa Anderson-Zhu. 2019. "Findings from an Examination of Two Mummy Portraits." *The Journal of the Walters Art Museum* 74. <https://journal.thewalters.org/volume/74/note/the-walters-portrait-mummies/>.

#### **Parkin 1992**

Parkin, Tim G. 1992. *Demography and Roman Society*. Johns Hopkins University Press.

#### **Parlasca 1966**

Parlasca, Klaus. 1966. *Mumienporträts und verwandte Denkmäler*. Steiner.

#### **Parlasca 1969**

Parlasca, Klaus. 1969. Vol. 1 of *Repertorio d'arte dell'Egitto: Greco-Romano serie B; Ritratti di mummie*. Banco di Sicilia Fondazione Mormino.

#### **Parlasca 1969–2003**

Parlasca, Klaus. 1969–2003. *Repertorio d'arte dell'Egitto: Greco-Romano serie B; Ritratti di mummie*. 4 vols. Officine Tipo-Litografiche I.R.E.S.

#### **Parlasca 1977**

Parlasca, Klaus. 1977. Vol. 2 of *Repertorio d'arte dell'Egitto: Greco-Romano serie B; Ritratti di mummie*. L'Erma di Bretschneider.

#### **Parlasca 2004**

Parlasca, Klaus. 2004. "Kaiserzeitliche Votivgemälde aus Ägypten." *Chronique d'Égypte* 79 (157–158): 320–35.

#### **Parlasca and Frenz 2003**

Parlasca, Klaus, and Hans G. Frenz. 2003. Vol. 4 of *Repertorio d'arte dell'Egitto: Greco-Romano serie B; Ritratti di mummie*. L'Erma di Bretschneider.

#### **Perry-Gal et al. 2015**

Perry-Gal, Lee, Adi Erlich, Ayelet Gilboa, and Guy Bar-Oz. 2015. "Earliest Economic Exploitation of Chicken outside East Asia: Evidence from the Hellenistic Southern Levant." *PNAS: Proceedings of the National Academy of Sciences of the United States of America* 112 (32): 9849–54.

#### **Peruzzi 2016**

Peruzzi, Bice. 2016. "Eggs in a Drinking Cup: Unexpected Uses of a Greek Shape in Central Apulian Funerary Contexts." In *The Consumers' Choice: Uses of Greek Figure-Decorated Pottery*, edited by Thomas H. Carpenter, Elizabeth Langridge-Noti, and Mark Stansbury-O'Donnell. Archaeological Institute of America.

#### **Petrie 1889**

Petrie, William Matthew Flinders. 1889. *Hawara, Biahmu, and Arsinoe, with Thirty Plates*. Field & Tuer.

#### **Petrie 1890**

Petrie, William Matthew Flinders. 1890. *Kahun, Gurob, and Hawara*. Kegan Paul, Trench, Trübner and Co.

#### **Petrie 1911**

Petrie, William Matthew Flinders. 1911. *Roman Portraits and Memphis (IV)*. School of Archaeology in Egypt, University College.

**Pharr, Davidson, and Pharr 2001**

Pharr, Clyde, Theresa Sherrer Davidson, and Mary Brown Pharr, trans. 2001. *The Theodosian Code and Novels, and the Sirmundian Constitutions*. The Lawbook Exchange.

**Picton, Quirke, and Roberts 2007**

Picton, Janet, Stephen Quirke, and Paul C. Roberts, eds. 2007. *Living Images: Egyptian Funerary Portraits in the Petrie Museum*. Left Coast Press.

**Picton, Quirke, and Roberts 2018**

Picton, Janet, Stephen Quirke, and Paul C. Roberts. 2018. *Living Images: Egyptian Funerary Portraits in the Petrie Museum*. Routledge.

**Plater et al. 2003**

Plater, M. John, Ben De Silva, Thomas Gelbrich, Michael B. Hursthouse, Catherine L. Higgitt, and David R. Saunders, 2003. "The Characterisation of Lead Fatty Acid Soaps in 'Protrusions' in Aged Traditional Oil Paint." *Polyhedron* 22 (24): 3171–79. [https://doi.org/10.1016/S0277-5387\(03\)00461-3](https://doi.org/10.1016/S0277-5387(03)00461-3).

**Pliny the Elder 77–79 CE**

Pliny the Elder (Gaius Plinius Secundus). 77–79 CE. *Naturalis Historia*. [https://la.wikisource.org/wiki/Naturalis\\_Historia](https://la.wikisource.org/wiki/Naturalis_Historia).

**Pouyet et al. 2020**

Pouyet, Emeline, Nicholas Barbi, Henry Chopp, Owen Healy, Aggelos Katsaggelos, Sophia Moak, Rick Mott, Marc Vermeulen, and Marc Walton. 2020. "Development of a Highly Mobile and Versatile Large MA-XRF Scanner for In Situ Analyses of Painted Works of Art." *X-ray Spectrometry* 50 (4): 263–71.

**Pozza et al. 2000**

Pozza, Giorgio, David Ajò, Giacomo Chiari, Franco De Zuane, and Marialuisa Favaro. 2000. "Photoluminescence of the Inorganic Pigments Egyptian Blue, Han Blue and Han Purple." *Journal of Cultural Heritage* 1 (4): 393–98.

**Prag 2002**

Prag, A. J. N. W. 2002. "Proportion and Personality in the Fayum Portraits." *British Museum Studies in Ancient Egypt and Sudan* 3: 55–63.

**Purup 2019**

Purup, Bjarne B. 2019. "A Social Approach to the Sex and Age Distribution in the Mummy Portraits." In *Family Lives: Aspects of Life and Death in Ancient Families*, edited by Kristine Bøggild Johannsen and Jane Hjarl Petersen. Acta Hyperborea 15. Museum Tusculanum Press.

**Rackham 1938–1952**

Rackham, H., trans. 1938–52. *The Natural History (Naturalis Historia)*. By Pliny the Elder. Loeb Classical Library. Harvard University Press.

**Radpour et al. 2022**

Radpour, Roxanne, Glenn A. Gates, Ioanna Kakoulli, and John K. Delaney. 2022. "Identification and Mapping of Ancient Pigments in a Roman Egyptian Funerary Portrait by Application of Reflectance and Luminescence Imaging Spectroscopy." *Heritage Science* 10 (8). <https://doi.org/10.1186/s40494-021-00639-5>.

**Ramer 1979**

Ramer, Brian. 1979. "The Technology, Examination and Conservation of the Fayum Portraits in the Petrie Museum." *Studies in Conservation* 24 (1): 1–13.

**Redding 2015**

Redding, Richard W. 2015. "The Pig and the Chicken in the Middle East: Modeling Human Subsistence Behavior in the Archaeological Record Using Historical and Animal Husbandry Data." *Journal of Archaeological Research* 23: 325–68.

**Reeler 2013**

Reeler, Nini Elisabeth Abildgaard, Ole Faurskov Nielsen, Lin Spaabæk, Mogens Jørgensen, and Henrik Grum Kjaergaard. 2013. "Pigments and Binding Material in Fayum Mummy Portraits Determined by NIR-FT-Raman Microscopy." *Asian Chemistry Letters* 17: 1–12.

**Rickerby 1993**

Rickerby, Stephen. 1993. "Original Painting Techniques and Materials Used in the Tomb of Nefertari." In *Art and Eternity: The Nefertari Wall Paintings Conservation Project 1986–1992*, edited by Miguel Angel Corzo and Mahasti Afshar. Oxford University Press.

**Riederer 1997**

Riederer, Josef. 1997. "Egyptian Blue." In vol. 3 of *Artists' Pigments: A Handbook of Their History and Characteristics*, edited by Elisabeth FitzHugh. National Gallery of Art.

**Rigaud 2005**

Rigaud, J. F., trans. 2005. *A Treatise on Painting*. By Leonardo da Vinci. Dover.

**Riggs 2005**

Riggs, Christina. 2005. *The Beautiful Burial in Roman Egypt: Art, Identity and Funerary Religion*. Oxford University Press.

**Riggs 2006**

Riggs, Christina. 2006. "Archaism and Artistic Sources in Roman Egypt: The Coffins of the Soter Family and the Temple of Deir el-Medina." *BIFAO: Bulletin de l'Institut français d'archéologie orientale* 106: 315–32.

**Riggs 2012**

Riggs, Christina, ed. 2012. *The Oxford Handbook of Roman Egypt*. Oxford University Press.

**Roberts 2013**

Roberts, Paul. 2013. *Life and Death in Pompeii and Herculaneum*. The British Museum.

**Roberts 2020**

Roberts, Caroline. 2020. "Green Pigments: Exploring Changes in the Egyptian Color Palette through the Technical Study of Roman-Period Mummy Shrouds." In Svoboda and Cartwright 2020.

**Robins 1993**

Robins, Gay. 1993. *Proportion and Style in Ancient Egypt*. University of Texas Press.

**Rondot 2013**

Rondot, Vincent. 2013. *Derniers visages des dieux d'Égypte: Iconographies, panthéons et cultes dans le Fayoum hellénisé des II-III siècles de notre ère*. Éditions du Louvre.

**Rondot 2015**

Rondot, Vincent. 2015. "Graeco-Roman Fayum Pantheons as Documented by 2nd-Century Painted Wooden Panels." In *Von der Pharaonenzeit bis zur Spätantike: Kulturelle Vielfalt im Fayum, Akten des 5. Internationalen Fayum-Konferenz, 29. Mai bis 1. Juni 2013, Leipzig*, edited by Nadine Quenouille. Harrassowitz.

**Rosi et al. 2019**

Rosi, Francesca, Laura Cartechini, Diego Sali, and Costanza Miliani. 2019. "Recent Trends in the Application of Fourier Transform Infrared (FT-IR) Spectroscopy in Heritage Science: From Micro- to Non-Invasive FT-IR." *Physical Sciences Reviews* 4: n.p.

**Rowland and Howe 1999**

Rowland, Ingrid D., and Thomas Noble Howe, eds. 1999. *Ten Books on Architecture*. By Vitruvius. Cambridge University Press.

**Roy 2007**

Roy, Ashok. 2007. "Cobalt Blue." In vol. 4 of *Artists' Pigments: A Handbook of Their History and Characteristics*, edited by Barbara H. Berrie. National Gallery of Art.

**Sabino et al. 2019**

Sabino, Rachel C., Ken Sutherland, Emeline Pouyet, Federica Pozzi, and Marc Walton. 2019. "Surprise Encounters with Mummy Portraits at the Art Institute of Chicago." *AIC Paintings Specialty Group Postprints* 31.

**Salas 2020**

Salas, Megan Elizabeth. 2020. "Evaluating the Effectiveness of In-Situ Non-Invasive Photophysical Characterization Methods for Distinguishing Indigo from Other Blue Colorants." Master's thesis, University of California, Los Angeles.

**Salvant et al. 2018**

Salvant, Johanna, Jane Williams, Monica Ganio, Francesca Casidio, Céline Daher, Ken Sutherland, Letizia Monaco, Frederik Vanmeert, Steven de Meyer, Koen Janssens, Caroline R. Cartwright, and Marc Walton. 2018. "A Roman Egyptian Painting Workshop: Technical Investigation of the Portraits from Tebtunis, Egypt." *Archaeometry* 60 (4): 815–33. <https://doi.org/10.1111/arcm.12351>.

**Sande 2004**

Sande, Siri. 2004. "Pagan Pinakes and Christian Icons: Continuity or Parallelism?" *Acta ad archaeologiam et artium historiam pertinentia* 18: 81–100.

**Sand et al. 2017**

Sand, Luise, Elisabeth Fugmann, Ina Reiche, Agnes Schwarzmaier, Stefan Rohrs, Sabine Schwerdtfeger, Heike Stege, and Andrea Obermeier. 2017. "Tabellarischer Überblick zu den Farbmitteln der Mumienporträts und des Severertondos." In *Inkarnat und Signifikanz: Das menschliche Abbild in der Tafelmalerei von 200 bis 1250 im Mittelmeerraum*. Veröffentlichungen des Zentralinstituts für Kunstgeschichte.

**Schiavon et al. 2021**

Schiavon, Nick, Carlo Emmanuele Bottaini, Sara Valadas, Cristina Barrocas Dias, Ana Manhita, and Antonio Candeias. 2021. "A Multi-Analytical Study of Egyptian Funerary Artifacts from Three Portuguese Museum Collections." *Heritage* 4 (4): 2973–95.

**Schilling, Carson, and Khanjian 1998**

Schilling, Michael R., David M. Carson, and Herant P. Khanjian. 1998. "Evaporation of Fatty Acids and the Formation of Ghost Images by Framed Oil Paintings." *WAAC Newsletter* 21 (1). <https://cool.culturalheritage.org/waac/wn/wn21/wn21-1/wn21-106.html>.

**Schmidt 1899**

Schmidt, Valdemar. 1899. *Det gamle glyptotek på Ny Carlsberg. Den ægyptiske samling*. N.p.

**Schmidt 1908**

Schmidt, Valdemar. 1908. *Ny Carlsberg Glyptotek: Den ægyptiske samling*. Nielsen og Lydiche.

**Schneede 2021**

Schneede, Uwe M. 2021. *Paula Modersohn-Becker: Die Malerin, die in die Moderne aufbrach*. C. H. Beck.

**Schoske and Wildung 1983**

Schoske, Sylvia, and Dietrich Wildung. 1983. *Falsche Pharaonen: Zeitung zur Sonderausstellung, 400 Jahre Fälschungsgeschichte*. Staatliches Museum Ägyptischer Kunst.

**Schreiber, Vasáros, and Almásy 2013**

Schreiber, Gábor, Zsolt Vasáros, and Adrienn Almásy. 2013. "Ptolemaic and Roman Burials from Theban Tomb -400-." *Mitteilungen des Deutschen Archäologischen Instituts Abteilung Kairo* 69: 187–225.

**Scott 2010**

Scott, David A. 2010. "Greener Shades of Pale: A Review of Advances in the Characterisation of Ancient Egyptian Green Pigments." In *Decorated Surfaces on Ancient Egyptian Objects: Technology, Deterioration, and Conservation; Proceedings of a Conference Held in Cambridge, UK, on 7–8 September 2007*, edited by Julie Dawson, Christina Rozeik, and Margot M. Wright. Archetype.

**Scott 2016**

Scott, David A. 2016. "A Review of Ancient Egyptian Pigments and Cosmetics." *Studies in Conservation* 61 (4): 185–202. <https://doi.org/10.1179/2047058414Y.0000000162>.

**Serpico 2000**

Serpico, Margaret. 2000. "Resins, Amber and Bitumen." In Nicholson and Shaw 2000.

**Serpico and White 2001**

Serpico, Margaret, and Raymond White. 2001. "The Use and Identification of Varnish on New Kingdom Funerary Equipment." In *Colour and Painting in Ancient Egypt*, edited by W. V. Davies. The British Museum.

**Shortland, Appleby Hope, and Tite 2006**

Shortland, Andrew J., Colin Appleby Hope, and M. S. Tite. 2006. "Cobalt Blue Painted Pottery from 18th Dynasty

Egypt." *Geological Society, London, Special Publications* 257 (1): 91–99. <https://doi.org/10.1144/GSL.SP.2006.257.01.07>.

**Smart 2010**

Smart, Pamela G. 2010. *Sacred Modern: Faith, Activism, and Aesthetics in the Menil Collection*. University of Texas Press.

**Smith 1957**

Smith, William Stevenson. 1957. "Department of Egyptian Art." *Annual Report for the Year ... (Museum of Fine Arts, Boston)* 82 (1957): 38–44. <http://www.jstor.org/stable/43473833>.

**Smith and Ólafsson 2023**

Smith, Kevin P., and Guðmundur Ólafsson. 2023. "All That Glitters Is Not Gold: Multi-Instrumental Identification of Viking Age Orpiment (As<sub>2</sub>S<sub>3</sub>) from Surtshellir Cave, Iceland." *Journal of Archaeological Science: Reports* 47: 103724. <https://doi.org/10.1016/j.jasrep.2022.103724>.

**Socrates 2001**

Socrates, George. 2001. *Infrared and Raman Characteristic Group Frequencies. Tables and Charts*. 3rd ed. John Wiley & Sons.

**Solé et al. 2007**

Solé, V. Armando, Emmanuel Papillon, Marine Cotte, Philippe Walter, and Jean Susini. 2007. "A Multiplatform Code for the Analysis of Energy-Dispersive X-Ray Fluorescence Spectra." *Spectrochimica Acta Part B: Atomic Spectroscopy* 62 (1): 63–68.

**Sörries 2003**

Sörries, Reiner. 2003. *Das Malibu-Triptychon: Ein Totengedenkbild aus dem römischen Ägypten und verwandte Werke der spätantiken Tafelmalerei*. Christliche Archäologie 4. J. H. Röhl.

**Sotheby's New York 2009**

Sotheby's New York. 2009. "Old Master Paintings, European Sculpture & Antiquities." Auction Catalogue (Sale 8560). June 4. Accessed October 21, 2019. <https://www.sothebys.com/en/auctions/2009/old-master-paintings-european-sculpture-antiquities-n08560.html>.

**Southon et al. 2004**

Southon, John, Guaciara Santos, Kevin Druffel-Rodriguez, Ellen Druffel, Sue Trumbore, Xiamei Xu, Sheila Griffin, Shahla Ali, and Maya Mazon. 2004. "The Keck Carbon Cycle AMS Laboratory, University of California, Irvine: Initial Operation and a Background Surprise." *Radiocarbon* 46 (2): 41–49.

**Spaabæk 2012**

Spaabæk, Lin Rosa. 2012. "Mummy Portrait Supports." In *Conservation of Easel Paintings*, edited by Joyce Hill Stoner and Rebecca Rushfield. Routledge.

**Spaabæk and Mazurek 2020**

Spaabæk, Lin Rosa, and Joy Mazurek. 2020. "Binding Media and Coatings: Mummy Portraits in the National Museum of Denmark and the Ny Carlsberg Glyptotek." In Svoboda and Cartwright 2020.

**Stacey 2011**

Stacey, Rebecca J. 2011. "The Composition of Some Roman Medicines: Evidence for Pliny's Punic Wax?" *Analytical and Bioanalytical Chemistry* 401 (6): 1749–59.

**Stamm 2007**

Stamm, Rainer, and Paula Modersohn-Becker. 2007. *Paula Modersohn-Becker und die ägyptischen Mumienportraits: Eine Hommage zum 100. Todestag der Künstlerin* (exhibition catalogue). Hirmer Verlag.

**Stein and Corcoran 2020**

Stein, Renée, and Lorelei H. Corcoran. 2020. "Scrutinizing 'Saparon': Investigating a Mummy Portrait of a Young Man in the Michael C. Carlos Museum, Emory University." In Svoboda and Cartwright 2020.

**Stevens 2009**

Stevens, Anna. 2009. "Domestic Religious Practices." In *UCLA Encyclopedia of Egyptology*, edited by Willeke Wendrich and Jacco Dieleman. University of California, Los Angeles. <http://escholarship.org/uc/item/7s07628w>.

**Strohalm et al. 2010**

Strohalm, Martin, Daniel Kavan, Petr Novák, Michael Volný, and Vladimír Havlíček. 2010. "MMass 3: A Cross-Platform Software Environment for Precise Analysis of Mass Spectrometric Data." *Analytical Chemistry* 82 (11): 4648–51. <https://doi.org/10.1021/ac100818g>.

**Stulik, Porta, and Palet 1993**

Stulik, Dusan C., Eduardo A. Porta, and Antonio Palet. 1993. "Analyses of Pigments, Binding Media, and Varnishes in the Tomb of Nefertari." In *Art and Eternity: The Nefertari Wall Paintings Conservation Project 1986–1992*, edited by Miguel Angel Corzo and Mahasti Afshar. Oxford University Press.

**Sutherland, Sabino, and Pozzi 2020**

Sutherland, Ken, Rachel C. Sabino, and Federica Pozzi. 2020. "Challenges in the Characterization and

Categorization of Binding Media in Mummy Portraits." In Svoboda and Cartwright 2020.

**Svoboda and Cartwright 2020**

Svoboda, Marie, and Caroline R. Cartwright, eds. 2020. *Mummy Portraits of Roman Egypt: Emerging Research from the APPEAR Project*. J. Paul Getty Museum.

**Svoboda and Walton 2010**

Svoboda, Marie, and Marc Walton. 2010. "Material Investigation of the J. Paul Getty Museum's Red-Shrouded Mummy." In *Decorated Surfaces on Ancient Egyptian Objects: Technology, Deterioration, and Conservation; Proceedings of a Conference Held in Cambridge, UK, on 7–8 September 2007*, edited by Julie Dawson, Christina Rozeik, and Margot M. Wright. Archetype.

**Taggart 1959**

Taggart, Ross E., ed. 1959. *Handbook of the Collections in the William Rockhill Nelson Gallery of Art and Mary Atkins Museum of Fine Arts*. 4th ed. William Rockhill Nelson Gallery of Art and Mary Atkins Museum of Fine Arts.

**Tappert et al. 2011**

Tappert, Ralf, Alexander P. Wolfe, Ryan C. McKellar, Michelle C. Tappert, and Karlis Muehlenbachs. 2011. "Characterizing Modern and Fossil Gymnosperm Exudates Using Micro-Fourier Transform Infrared Spectroscopy." *International Journal of Plant Sciences* 172 (1): 120–38. <https://doi.org/10.1086/657277>.

**Thayer 1923**

Thayer, Bill, trans. 1923. *De Divinatione*. By Cicero. Book 1, XXXIV, 74. Loeb Classical Library. [https://penelope.uchicago.edu/Thayer/e/roman/texts/cicero/de\\_divinatione/1\\*.html](https://penelope.uchicago.edu/Thayer/e/roman/texts/cicero/de_divinatione/1*.html).

**Thiboutot 2020**

Thiboutot, Gabrielle. 2020. "Egyptian Blue in Romano-Egyptian Mummy Portraits." In Svoboda and Cartwright 2020.

**Thieme et al. 2017**

Thieme, Cristina, Anna Rommel-Mayet, and Luise Sand. 2017. "Bilder von Göttern und Menschen der römischen Kaiserzeit – eine kunsttechnische Betrachtung." In *Inkarnat und Signifikanz. Das menschliche Abbild in der Tafelmalerei von 200 bis 1250 im Mittelmeerraum*, edited by Yvonne Schmuhl and Esther Pia Wipfler, 121–50. Zentralinstitut für Kunstgeschichte.

**Thistlewood 2017**

Thistlewood, Jevon. 2017. "Drawing the Face of a Mummy Portrait." Unpublished Research Seminar Paper. Ashmolean Museum of Art and Archaeology.

**Thistlewood et al. 2020**

Thistlewood, Jevon, Olivia Dill, Marc S. Walton, and Andrew Shortland. 2020. "A Study of the Relative Locations of Facial Features within Mummy Portraits." In Svoboda and Cartwright 2020.

**Thomas and Brunel-Duverger 2023**

Thomas, Caroline, and Lucile Brunel-Duverger. 2023. "Les tableaux culturels d'Égypte romaine: Étude matérielle des deux panneaux du musée du Louvre (Dioscure MND 193 – E 10815; Hèrôn et Lycurgue RFML.AE.2020.8.1)." *Technè* 55: 118–27. <https://doi.org/10.4000/techne.17881>.

**Thompson 1972**

Thompson, David L. 1972. "The Classes and Hands of Painted Funerary Portraits from Antinoopolis [sic]." PhD diss., University of Michigan.

**Thompson 1973**

Thompson, David L. 1973. "A Patchwork Fayum in Toledo." *American Journal of Archaeology* 77 (4): 438–39.

**Thompson 1976A**

Thompson, David L. 1976. "A Painted Funerary Portrait from Roman Egypt." *Boston Museum Bulletin* 74 (370): 115–19.

**Thompson 1976B**

Thompson, David L. 1976. *The Artists of the Mummy Portraits*. J. Paul Getty Museum.

**Thompson 1981**

Thompson, David L. 1981. "A Lost Patchwork 'Fayum Portrait.'" *American Journal of Archaeology* 85 (4): 491–92.

**Thompson 1982**

Thompson, David L. 1982. *Mummy Portraits in the J. Paul Getty Museum*. J. Paul Getty Museum.

**Thum 2022A**

Thum, Jen. 2022. "The People behind the Portraits." Harvard Art Museums. <https://harvardartmuseums.org/tour/770/stop/2623>.

**Thum 2022B**

Thum, Jen. 2022. "Speak Their Names." Harvard Art Museums. <https://harvardartmuseums.org/tour/770/slide/12399>.

**Tobin 1975**

Tobin, Richard. 1975. "The Canon of Polykleitos." *American Journal of Archaeology* 79 (4): 307–21.

**Töpfer 2017**

Töpfer, Susanne. 2017. "Theory and Practice/Text and Mummies: The Instructions of the 'Embalming Ritual' in the Light of Archaeological Evidence." In *Burial and Mortuary Practices in Late Period and Graeco-Roman Egypt: Proceedings of the International Conference Held at the Museum of Fine Arts, Budapest, 17–19 July 2014*, edited by K. A. Kóthay. Museum of Fine Arts, Budapest.

**Totelin 2016**

Totelin, Laurence M. V. 2016. "Pharmakopōlai: A Re-Evaluation of the Sources." In *Popular Medicine in Graeco-Roman Antiquity: Explorations*, edited by William V. Harris. Brill.

**Tourna et al. 2008**

Tourna, E. et al. 2008. *The Egyptian Collection, National Archaeological Museum*. Hellenic Ministry of Culture and Sports, Fund of Archaeological Proceeds.

**Traverso 2019**

Traverso, Vittoria. 2019. "The Egyptian Egg Ovens Considered More Wondrous than Pyramids." Atlas Obscura. <https://www.atlasobscura.com/articles/egypt-egg-ovens>.

**Tzachou-Alexandri 1995**

Tzachou-Alexandri, Olga, ed. 1995. *The World of Egypt in the National Archaeological Museum*. Kapon.

**University of Exeter 2021**

University of Exeter. 2021. "Ancient Chickens Lived Significantly Longer than Modern Fowl Because They Were Seen as Sacred, Not Food." *Science Daily*. <https://www.sciencedaily.com/releases/2021/06/210607161043.htm>.

**Vagnini et al. 2009**

Vagnini, Manuela, Costanza Miliani, Laura Cartechini, P. Rocchi, Bruno Brunetti, and A. Sgamellotti. 2009. "FT-NIR Spectroscopy for Non-Invasive Identification of Natural Polymers and Resins in Easel Paintings." *Analytical and Bioanalytical Chemistry* 395 (7): 2107–18.

**Vak, Iannaccone, and Uhlir 2020**

Vak, Bettina, Roberta Iannaccone, and Katharina Uhlir. 2020. "Nondestructive Studies of Ancient Pigments on Romano-Egyptian Funerary Portraits of the

Kunsthistorisches Museum, Vienna." In Svoboda and Cartwright 2020.

#### **van Asperen de Boer 1968**

van Asperen de Boer, J. R. 1968. "Infrared Reflectography: A Method for the Examination of Paintings." *Applied Optics* 7 (9): 1711–14.

#### **van Daal 2019**

van Daal, Jan. 2019. "Ancient Incarnations: Depicting Human Flesh in Mummy Portraits from Roman Egypt." Master of Science thesis, University of Amsterdam.

#### **Vandenabeele et al. 2000**

Vandenabeele, Peter, Bernhard Wehling, Luc Moens, Howell Edwards, Martine de Reu, and Guido van Hooydonk. 2000. "Analysis with Micro-Raman Spectroscopy of Natural Organic Binding Media and Varnishes Used in Art." *Analytica Chimica Acta* 407 (1): 261–74.

#### **van den Berg, van den Berg, and Boon 1999**

van den Berg, Jorrit D. J., Klaus Jan van den Berg, and Jaap J. Boon. 1999. "Chemical Changes in Curing and Ageing Oil Paints." In *ICOM Committee for Conservation 12th Triennial Meeting Lyon 29 August–3 September 1999*. James & James.

#### **Vandenbeusch 2022**

Vandenbeusch, Marie. 2022. "A Soter (Re)connection: Five Fragments of Shrouds from Roman Egypt at the British Museum." *Mitteilungen des Deutschen Archäologischen Instituts Abteilung Kairo* 76/77.

#### **van Dyke 2010**

van Dyke, Kristina. 2010. "Losing One's Head: John and Dominique de Menil as Collectors." In *Art and Activism: Projects of John and Dominique de Menil*, edited by Josef Helfenstein and Lauren Schipsi. Yale University Press.

#### **Vassilieva, Piteria, and Nilova 2021**

Vassilieva, Olga A., Julii V. Piteria, and Maya V. Nilova. 2021. "Portrait of an Elderly Lady in Red." *Kermes* 121: 33–38.

#### **Vermeule 1964**

Vermeule, Cornelius. 1964. "Greek and Roman Portraits in American Collections Open to the Public: A Survey of Important Monumental Likenesses in Marble and Bronze Which Have Not Been Published Extensively." *Proceedings of the American Philosophical Society* 108 (2): 99–134.

#### **Verri 2009A**

Verri, Giovanni. 2009. "The Application of Visible-Induced Luminescence Imaging to the Examination of Museum Objects." *Proceedings SPIE 7391, O3A: Optics for Arts,*

*Architecture, and Archaeology* 2: 739105–12. <https://doi.org/10.1117/12.827331>.

#### **Verri 2009B**

Verri, Giovanni. 2009. "The Spatially Resolved Characterisation of Egyptian Blue, Han Blue and Han Purple by Photo-Induced Luminescence Digital Imaging." *Analytical and Bioanalytical Chemistry* 394 (4): 1011–21.

#### **Verri 2014**

Verri, Giovanni. 2014. "Roman Sculpture and Colour: The 'Treu Head'" (Ancient Greek and Roman Color/ Polychromy). Video, 9 min., 6 sec. <https://www.youtube.com/watch?v=gRMPYh2QdSM>.

#### **Verri and Brecolouki 2023**

Verri, Giovanni, and Hariclia Brecolouki. 2023. "'From the Face and the Expression of the Eyes': Multidisciplinary Studies of Pigments in Ancient Greek and Roman Painted Surfaces." *Technai: An International Journal for Ancient Science and Technology* 14: 51–69.

#### **Verri and Saunders 2014**

Verri, Giovanni, and David Saunders. 2014. "Xenon Flash for Reflectance and Luminescence (Multispectral) Imaging in Cultural Heritage Applications." *The British Museum Technical Research Bulletin* 8: 83–92.

#### **Verri et al. 2010**

Verri, Giovanni, David Saunders, Janet Ambers, and Tracey Sweek. 2010. "Digital Mapping of Egyptian Blue: Conservation Implications." In *Conservation and the Eastern Mediterranean: Contributions to the 2010 IIC Congress, Istanbul*, edited by Christina Rozeik, Ashok Roy, and David Saunders, 220–24. Archetype.

#### **Verri et al. 2023**

Verri, Giovanni, Hero Granger-Taylor, Ian Jenkins, Tracey Sweek, Katarzyna Weglowska, and William Thomas Wootton. 2023. "The Goddess' New Clothes: The Carving and Polychromy of the Parthenon Sculptures." *Antiquity* 97(395): 1173–92. <https://doi.org/10.15184/aqy.2023.130>.

#### **Verri et al. 2025**

Verri, Giovanni, Hariclia Brecolouki, Ioanna Mennenga, and Despina Ignatiadou. 2025. "Evoking Enargeia (ἐνάργεια): The Investigation and Reconstruction of the Portrait Bust of Psyche from Melos." In *Chroma: Sculpture in Color from Antiquity to Today*, edited by Seán Hemingway, Vinzenz Brinkmann, and Mark B. Abbe. The Metropolitan Museum of Art.

**Verri, Opper, and Devières 2010**

Verri, Giovanni, Thorsten Opper, and Thibaut Devières. 2010. "The 'Treu Head': A Case Study in Roman Sculptural Polychromy." *The British Museum Technical Research Bulletin* 4: 39–52.

**Verri, Opper, and Lazzarini 2014**

Verri, Giovanni, Thorsten Opper, and Lorenzo Lazzarini. 2014. "In picturae modum variata circumlitio? The Reconstruction of the Polychromy of a Roman Ideal Female Head (Treu Head)." In *Diversamente bianco: La policromia della scultura romana*, edited by Paolo Liverani and Ulderico Santamaria. Quasar.

**Vogelsang-Eastwood 2000**

Vogelsang-Eastwood, Gillian. 2000. "Textiles." In Nicholson and Shaw 2000.

**von Sonnenburg 1972**

von Sonnenburg, Hubert. 1972. *Examination and Treatment Reports*. The Metropolitan Museum of Art, Department of Paintings Conservation.

**Wakeling 1912**

Wakeling, T. G. 1912. *Forged Egyptian Antiquities*. Adam & Charles Black.

**Walker 1997**

Walker, Susan. 1997. "Mummy Portraits in Their Roman Context." In *Portraits and Masks: Burial Customs in Roman Egypt*, edited by Morris L. Bierbrier. The British Museum.

**Walker 2000A**

Walker, Susan, ed. 2000. *Ancient Faces: Mummy Portraits from Roman Egypt*. 2nd ed. The Metropolitan Museum of Art.

**Walker 2000B**

Walker, Susan. 2000. "A Note on Dating Mummy Portraits." In Walker 2000A.

**Walker and Bierbrier 1997**

Walker, Susan, and Morris Bierbrier, with Paul Roberts and John Taylor. 1997. *Ancient Faces: Mummy Portraits from Roman Egypt*. A Catalogue of Roman Portraits in the British Museum 4. The British Museum.

**Walton and Trentelman 2009**

Walton, Marc S., and Karen Trentelman. 2009. "Romano-Egyptian Red Lead Pigment: A Subsidiary Commodity of Spanish Silver Mining and Refinement." *Archaeometry* 51 (5): 845–60.

**Warda 2011**

Warda, Jeffrey. 2011. *The AIC Guide to Digital Photography and Conservation Documentation*. 2nd ed. American Institute for Conservation of Historic and Artistic Works.

**Webb, Summerour, and Giaccai 2014**

Webb, E. K., R. Summerour, and J. Giaccai. 2014. "A Case Study Using Multiband and Hyperspectral Imaging for the Identification and Characterization of Materials on Archaeological Andean Painted Textiles." *Postprints of the Textile Specialty Group of the American Institute for Conservation of Historic and Artistic Works* 24: 23–35.

**Wegner 2021**

Wegner, Jennifer Houser. 2021. "Ancient Egyptian Creation Myths: From Watery Chaos to Cosmic Egg." *Glencairn Museum News*, no. 5. <https://www.glencairnmuseum.org/newsletter/2021/7/13/ancient-egyptian-creation-myths-from-watery-chaos-to-cosmic-egg>.

**Werner 1909**

Werner, Georgius. 1909. "De imaginibus Graeco-Aegyptis in colonia cui El-Fayum nomen est, repertis et Cracoviae asservatis observations." *Eos* 15: 130–37.

**White 1978**

White, Raymond. 1978. "The Application of Gas-Chromatography to the Identification of Waxes." *Studies in Conservation* 23 (2): 57–68. <https://doi.org/10.2307/1505796>.

**Wiedemann 2014**

Wiedemann, Thomas. 2014. *Adults and Children in the Roman Empire*. Routledge.

**Wiener 1921**

Wiener, Leo. 1921. *Contributions towards a History of Arabo-Gothic Culture*. Vol. 4. Innes & Sons.

**Wilkinson 2002**

Wilkinson, Caroline M. 2002. "The Facial Reconstruction of the Marina el-Alamein Mummy." *Polish Archaeology in the Mediterranean* 14: 66–71.

**Williams 2010**

Williams, Jane. 2010. "The Conservation Treatment of the Roman Egyptian Paintings in the Hearst Museum of Anthropology, University of California, Berkeley." In *Decorated Surfaces on Ancient Egyptian Objects: Technology, Deterioration, and Conservation; Proceedings of a Conference Held in Cambridge, UK, on 7–8 September 2007*, edited by

Julie Dawson, Christina Rozeik, and Margot M. Wright. Archetype.

**Williams, Cartwright, and Walton 2020**

Williams, Jane L., Caroline R. Cartwright, and Marc S. Walton. 2020. "Defining a Romano-Egyptian Painting Workshop at Tebtunis." In Svoboda and Cartwright 2020.

**Woodcock 1996**

Woodcock, Sally. 1996. "Body Colour: The Misuse of Mummy." *The Conservator* 20 (1): 87–94.

**Woudhuysen-Keller and Woudhuysen-Keller 1994**

Woudhuysen-Keller, Renate, and Paul Woudhuysen-Keller. 1994. "The History of Egg White Varnishes." *Hamilton Kerr Institute Bulletin* 2: 90–141.

**Zaffino et al. 2015**

Zaffino, Chiara, Vittoria Guglielmi, Silvio Faraone, Alessandro Vinaccia, and Silvia Bruni. 2015. "Exploiting External Reflection FTIR Spectroscopy for the In-Situ Identification of Pigments and Binders in Illuminated Manuscripts. Brochantite and Posnjakite as a Case Study." *Spectrochimica Acta: Part A, Molecular and Biomolecular Spectroscopy* 136 (B): 1076–85.

**Zviagina, Drits, and Dorzhieva 2020**

Zviagina, Bella B., Victor A. Drits, and Olga V. Dorzhieva. 2020. "Distinguishing Features and Identification Criteria for K-Dioctahedral 1M Micas (Illite-Aluminoceladonite and Illite-Glaucanite-Celadonite Series) from Middle-Infrared Spectroscopy Data." *Minerals* 10 (2): 1–29.