

ARCL3001: Archaeometallurgy: Marcos Martinon-Torres

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```
@book{Agricola, Georgius_Hoover, Herbert_Hoover, Lou Henry_1950, address={New
York}, title={De re metallica},
url={http://www.gutenberg.org/files/38015/38015-h/38015-h.htm}, publisher={Dover},
author={Agricola, Georgius and Hoover, Herbert and Hoover, Lou Henry}, year={1950} }
```

```
@article{Anguilano_Rehren_Muller_Rothenberg_2009, address={Québec}, title={Silver
production at Rio Tinto during Roman occupation}, volume={Cahiers d'archéologie du
CELAT.}, journal={Proceedings: ISA 2006 : 36th International Symposium on
Archaeometry : 2-6 May 2006, Quebec City, Canada}, publisher={CELAT, Université
Laval}, author={Anguilano, L. and Rehren, Th. and Muller, W. and Rothenberg, B.},
year={2009}, pages={433-444} }
```

```
@book{Archaeometallurgy in Europe_2015, address={Bochum},
title={Archaeometallurgy in Europe III: proceedings of the 3rd international conference,
Deutsches Bergbau-Museum Bochum, June 29-July 1, 2011}, volume={Der Anschnitt.
Beiheft}, publisher={Deutsches Bergbau-Museum}, author={Archaeometallurgy in
Europe}, editor={Hauptmann, Andreas and Modarressi-Tehrani, Diana}, year={2015} }
@book{Archaeometallurgy in Europe, Associazione italiana di metallurgia_2007,
address={Milano}, title={Archaeometallurgy in Europe: 2nd international conference,
Aquileia, Italy, 17-21 June 2007 : selected papers}, publisher={AIM},
author={Archaeometallurgy in Europe, Associazione italiana di metallurgia}, year={2007}
}
```

```
@book{Associazione italiana di metallurgia_2003, address={Milano},
title={Archaeometallurgy in Europe: international conference, 24-25-26 September 2003,
Milan, Italy : proceedings}, publisher={Associazione italiana di metallurgia},
author={Associazione italiana di metallurgia}, year={2003} }
```

```
@article{Bareham, address={Sheffield}, title={Bronze casting experiments},
volume={28},
url={https://contentstore.cla.co.uk//secure/link?id=06725dcf-4a36-e711-80c9-005056af40
99}, number={2}, journal={Historical metallurgy: journal of the Historical Metallurgy
Society}, publisher={Historical Metallurgy Society}, author={Bareham, T.},
pages={112-116} }
```

```
@article{Bartelheim_Contreras Cortés_Moreno Onorato_Murillo-Barroso_Pernicka_2012,
title={The silver of the South Iberian El Argar Culture: A first look at production and
distribution}, volume={69},
url={http://tp.revistas.csic.es/index.php/tp/article/view/627/649}, journal={Trabajos de
```

Prehistoria}, author={Bartelheim, M. and Contreras Cortés, F. and Moreno Onorato, A. and Murillo-Barroso, M. and Pernicka, E.}, year={2012}, pages={293-309} }

@article{Bayley_2008, address={Walnut Creek, CA}, title={Medieval precious metal refining: archaeology and contemporary texts compared}, volume={Publications of the Institute of Archaeology, University College London}, journal={Archaeology, history and science: integrating approaches to ancient materials}, publisher={Left Coast Press}, author={Bayley, J.}, year={2008}, pages={131-150} }

@book{Bayley, J._Butcher, S._2004, address={London}, title={Roman brooches in Britain: a technological and typological study based on the Richborough Collection}, volume={Reports of the Research Committee of the Society of Antiquaries}, publisher={Society of Antiquaries of London}, author={Bayley, J. and Butcher, S.}, year={2004} }

@book{Bayley, J._Crossley, David W._Ponting, Matthew_2008, address={London}, title={Metals and metalworking: a research framework for archaeometallurgy}, volume={Occasional publication / Historical Metallurgy Society}, url={http://hist-met.org/metalsframework1.pdf}, publisher={Historical Metallurgy Society}, author={Bayley, J. and Crossley, David W. and Ponting, Matthew}, year={2008} }

@book{Bayley_Crossley_Ponting_Historical Metallurgy Society_2008, address={London}, title={Metals and metalworking: a research framework for archaeometallurgy}, volume={Occasional publication / Historical Metallurgy Society}, publisher={Historical Metallurgy Society}, author={Bayley, J. and Crossley, David W. and Ponting, Matthew and Historical Metallurgy Society}, year={2008} }

@inbook{Bayley_Rehren_2007, address={London}, title={Towards a functional and typological classification of crucibles}, url={https://core.ac.uk/download/pdf/1761556.pdf}, booktitle={Metals and mines: studies in archaeometallurgy}, publisher={Archetype}, author={Bayley, J. and Rehren, Th.}, editor={La Niece, S. and Hook, D. and Craddock, P.}, year={2007}, pages={46-55} }

@article{Begemann_Kallas_Schmitt-Strecker_Pernicka_1999, address={Bochum}, title={Tracing tin via isotope analyses}, volume={Der Anschnitt. Beiheft}, journal={The beginnings of metallurgy: proceedings of the International Conference 'The Beginnings of Metallurgy', Bochum 1995}, publisher={Deutsches Bergbau-Museum}, author={Begemann, F. and Kallas, K. and Schmitt-Strecker, S. and Pernicka, E.}, year={1999}, pages={277-284} }

@book{Benoit, Paul_Fluzin, Philippe_1995, address={Paris}, title={Paléoméallurgie du fer & Cultures}, publisher={Association pour l'Edition et la Diffusion des Etudes Historiques}, author={Benoit, Paul and Fluzin, Philippe}, year={1995} }

@article{Biggs_Bellina_Martinón-Torres_Pryce_2013, title={Prehistoric iron production technologies in the Upper Thai-Malay Peninsula: metallography and slag inclusion analyses of iron artefacts from Khao Sam Kaeo and Phu Khao Thong}, volume={5}, DOI={10.1007/s12520-012-0115-2}, number={4}, journal={Archaeological and Anthropological Sciences}, author={Biggs, Lynn and Bellina, Bérénice and Martinón-Torres, Marcos and Pryce, Thomas Oliver}, year={2013}, pages={311-329} }

@book{Bisson, Michael S._Vogel, Joseph O._2000, address={Walnut Creek, Calif}, title={Ancient African metallurgy: the socio-cultural context}, publisher={AltaMira}, author={Bisson, Michael S. and Vogel, Joseph O.}, year={2000} }

@article{Blakelock_Martinón-Torres_Veldhuijzen_Young_2009a, title={Slag inclusions in iron objects and the quest for provenance: an experiment and a case study}, volume={36}, DOI={10.1016/j.jas.2009.03.032}, number={8}, journal={Journal of Archaeological Science}, author={Blakelock, Eleanor and Martinón-Torres, Marcos and Veldhuijzen, Harald A. and Young, Tim}, year={2009}, pages={1745-1757} }

@article{Blakelock_Martinón-Torres_Veldhuijzen_Young_2009b, title={Slag inclusions in iron objects and the quest for provenance: an experiment and a case study}, volume={36}, DOI={10.1016/j.jas.2009.03.032}, number={8}, journal={Journal of Archaeological Science}, author={Blakelock, Eleanor and Martinón-Torres, Marcos and Veldhuijzen, Harald A. and Young, Tim}, year={2009}, month={Aug}, pages={1745-1757} }

@article{Bray_Pollard_2012, title={A new interpretative approach to the chemistry of copper-alloy objects: Source, recycling and technology}, volume={86}, url={http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=9423556&fulltextType=RA&fileId=S0003598X00047967}, number={333}, journal={Antiquity}, author={Bray, P. J. and Pollard, A. M.}, year={2012}, pages={853-867} }

@book{Buchwald, Vagn Fabritius_2005, address={Copenhagen}, title={Iron and steel in ancient times}, volume={Historisk-filosofiske skrifter}, publisher={Det Kongelige Danske Videnskabernes Selskab}, author={Buchwald, Vagn Fabritius}, year={2005} }

@book{Cardale de Schrimpff, Marianne_Bray, Warwick_2005, address={Bogotá}, title={Calima and Malagana: art and archaeology in southwestern Colombia}, publisher={Pro Calima Foundation}, author={Cardale de Schrimpff, Marianne and Bray, Warwick}, year={2005} }

@article{Charlton_Blakelock_Martinón-Torres_Young_2012, title={Investigating the production provenance of iron artifacts with multivariate methods}, volume={39}, DOI={10.1016/j.jas.2012.02.037}, number={7}, journal={Journal of Archaeological Science}, author={Charlton, Michael F. and Blakelock, Eleanor and Martinón-Torres, Marcos and Young, Tim}, year={2012}, pages={2280-2293} }

@article{Charlton_Crew_Rehren_Shennan_2010, title={Explaining the evolution of ironmaking recipes - An example from northwest Wales}, volume={29}, DOI={10.1016/j.jaa.2010.05.001}, number={3}, journal={Journal of Anthropological Archaeology}, author={Charlton, Michael F. and Crew, Peter and Rehren, Thilo and Shennan, Stephen J.}, year={2010}, pages={352-367} }

@inbook{Chernych_2002, address={Rahden, Westf}, title={Some of the most important aspects and problems of early Metal Age studying}, volume={Forschungen zur Archäometrie und Altertumswissenschaft}, booktitle={The beginnings of metallurgy in the old world}, publisher={Verlag Marie Leidorf}, author={Chernych, E. N.}, year={2002}, pages={25-31} }

@book{Cochet, André_Pernot, Michel_2000, address={Montagnac}, title={Le plomb en

Gaule romaine: techniques de fabrication et produits}, volume={ Monographies instrumentum}, publisher={ Monique Mergoill}, author={ Cochet, André and Pernot, Michel}, year={ 2000} }

@article{Cohen_Rehren_Van Buren_2009, address={ Québec}, title={ When the wind blows: environmental adaptability in current day silver production within the Bolivian Andes}, volume={ Cahiers d'archéologie du CELAT.}, journal={ Proceedings: ISA 2006 : 36th International Symposium on Archaeometry : 2-6 May 2006, Quebec City, Canada}, publisher={ CELAT, Université Laval}, author={ Cohen, C.R. and Rehren, Th. and Van Buren, M.}, year={ 2009}, pages={ 465-475} }

@article{Coustures_Beziat_Tollon_Domergue_Long_Rebiscoul_2003, title={ The use of trace element analysis of entrapped slag inclusions to establish ore-bar iron links: Examples from two Gallo-Roman iron-making sites in France (Les Martys, Montagne Noire and Les Ferrys, Loiret)}, volume={ 45}, DOI={ 10.1046/j.1475-4754.2003.00131.x}, number={ 4}, journal={ Archaeometry}, author={ Coustures, M. P. and Beziat, D. and Tollon, F. and Domergue, C. and Long, L. and Rebiscoul, A.}, year={ 2003}, month={ Nov}, pages={ 599-613} }

@article{Craddock_1989a, address={ Oxford}, title={ The scientific investigation of early mining and metallurgy}, volume={ UCLA Institute of Archaeology, archaeological research tools}, url={ http://ls-tlss.ucl.ac.uk/course-materials/ARCL3001_44721.pdf}, journal={ Scientific analysis in archaeology and its interpretation}, publisher={ Oxford University Committee for Archaeology, Institute of Archaeology}, author={ Craddock, P.}, year={ 1989}, pages={ 178-212} }

@article{Craddock_Eckstein_2003, address={ London}, title={ Production of brass in Antiquity by direct reduction}, journal={ Mining and metal production through the ages}, publisher={ British Museum}, author={ Craddock, P. and Eckstein, K.}, year={ 2003}, pages={ 216-230} }

@inbook{Craddock_1989b, address={ Oxford}, title={ The scientific investigation of early mining and smelting}, volume={ UCLA Institute of Archaeology, archaeological research tools}, url={ <https://contentstore.cla.co.uk//secure/link?id=00952456-7636-e711-80c9-005056af4099>}, booktitle={ Scientific analysis in archaeology and its interpretation}, publisher={ Oxford University Committee for Archaeology, Institute of Archaeology}, author={ Craddock, P. T.}, year={ 1989}, pages={ 178-212} }

@inbook{Craddock_1991a, address={ London}, title={ Mining and smelting in antiquity}, url={ <https://contentstore.cla.co.uk//secure/link?id=05683baf-6336-e711-80c9-005056af4099>}, booktitle={ Science and the past}, publisher={ British Museum Press}, author={ Craddock, P. T.}, year={ 1991}, pages={ 57-73} }

@inbook{Craddock_1991b, address={ London}, title={ Mining and smelting in antiquity}, url={ <https://contentstore.cla.co.uk//secure/link?id=05683baf-6336-e711-80c9-005056af4099>}, booktitle={ Science and the past}, publisher={ British Museum Press}, author={ Craddock, P. T.}, year={ 1991}, pages={ 57-73} }

@book{Craddock, P. T._1995a, address={ Edinburgh}, title={ Early metal mining and production}, publisher={ Edinburgh University Press}, author={ Craddock, P. T.},

year={1995} }

@book{Craddock, P. T._1995b, address={Edinburgh}, title={Early metal mining and production}, publisher={Edinburgh University Press}, author={Craddock, P. T.}, year={1995} }

@book{Craddock, P. T._1995c, address={Edinburgh}, title={Early metal mining and production}, publisher={Edinburgh University Press}, author={Craddock, P. T.}, year={1995} }

@book{Craddock, P. T._1995d, address={Edinburgh}, title={Early metal mining and production}, publisher={Edinburgh University Press}, author={Craddock, P. T.}, year={1995} }

@book{Craddock, P. T._British Museum_1998, address={London}, edition={Rev. ed}, title={2000 years of zinc and brass}, volume={Occasional paper / British Museum}, publisher={British Museum}, author={Craddock, P. T. and British Museum}, year={1998} }

@book{Craddock, P. T._Lang, Janet_2003, address={London}, title={Mining and metal production through the ages}, publisher={British Museum}, author={Craddock, P. T. and Lang, Janet}, year={2003} }

@article{Craddock_1999, address={Bochum}, title={Paradigms of metallurgical innovation in prehistoric Europe}, volume={Der Anschnitt. Beiheft}, journal={The Beginnings of Metallurgy}, publisher={Deutsches Bergbau-Museum}, author={Craddock, Paul.}, year={1999}, pages={175-192} }

@article{Craddock_Hook_2012, title={An economic history of the post-medieval world in 50 ingots: the British Museum collection of ingots from dated wrecks.}, volume={6}, journal={The British Museum Technical Research Bulletin}, author={Craddock, P.T. and Hook, D.}, year={2012}, pages={55-68} }

@article{Crew_1991, address={Sheffield}, title={The experimental production of prehistoric bar iron}, volume={25}, url={https://contentstore.cla.co.uk/secure/link?id=3a5dcc3c-ff07-e811-80cd-005056af4099}, journal={Historical metallurgy: journal of the Historical Metallurgy Society}, publisher={Historical Metallurgy Society}, author={Crew, P.}, year={1991}, pages={21-36} }

@book{Crew, Peter_Crew, Susan_1990, address={Tan y Bwlch, Gwynedd}, title={Early mining in the British Isles: proceedings of the Early Mining Workshop at Plas Tan y Bwlch, Snowdonia National Park Study Centre, 17-19 November, 1989}, volume={Plas Tan y Bwlch occasional paper}, publisher={Plas Tan y Bwlch, Snowdonia National Park Study Centre}, author={Crew, Peter and Crew, Susan}, year={1990} }

@article{Crossley_1996, title={The blast furnace at Rockley, South Yorkshire}, volume={152}, url={http://ucl-primo.hosted.exlibrisgroup.com/primo_library/libweb/action/display.do?tabs=detailsTab&ct=display&fn=search&doc=dedupmrg8304547&indx=1&reclds=dedupmrg8304547&recldxs=0&elementId=0&renderMode=}

poppedOut&displayMode=full&frbrVersion=&dscnt=1&scp.scps=scope%253A%2528LMS_JRNL_S%2529&frbg=&tab=local&dstmp=1390212094493&srt=rank&mode=Basic&dum=true&tb=t&vl(freeText0)=The%2520Archaeological%2520Journal%2520&vid=UCL_VU1}, journal={The Archaeological journal}, author={Crossley, D.}, year={1996}, pages={291-380} }

@article{Desaulty_Dillmann_L'Héritiera_Mariet_Gratuze_Joron_Fluzin_2009, title={Does it come from the Pays de Bray? Examination of an origin hypothesis for the ferrous reinforcements used in French medieval churches using major and trace element analyses}, volume={36}, DOI={10.1016/j.jas.2009.07.002}, number={10}, journal={Journal of Archaeological Science}, author={Desaulty, Anne-Marie and Dillmann, Philippe and L'Héritiera, Maxime and Mariet, Clarisse and Gratuze, Bernard and Joron, Jean-Louis and Fluzin, Philippe}, year={2009}, month={Oct}, pages={2445-2462} }

@inbook{Diaz-Andreu_Montero_2000, address={Oxford}, title={Metallurgy and social dynamics in the later prehistory of Mediterranean Spain}, url={https://contentstore.cla.co.uk/secure/link?id=6d9ec3d8-fd07-e811-80cd-005056af4099}, booktitle={Metals make the world go round: the supply and circulation of metals in Bronze Age Europe : proceedings of a conference held at the University of Birmingham in June 1997}, publisher={Oxbow}, author={Diaz-Andreu, M. and Montero, I.}, year={2000}, pages={116-132} }

@article{Duncan E. Miller and Nikolaas J. Van Der Merwe, title={Early Metal Working in Sub-Saharan Africa: A Review of Recent Research}, volume={35}, url={http://www.jstor.org/stable/182719}, number={1}, journal={The Journal of African History}, publisher={Cambridge University Press}, author={Duncan E. Miller and Nikolaas J. Van Der Merwe}, pages={1-36} }

@article{Dungworth_1997a, title={Roman Copper Alloys: Analysis of Artefacts from Northern Britain}, volume={24}, DOI={10.1006/jasc.1996.0169}, number={10}, journal={Journal of Archaeological Science}, author={Dungworth, David}, year={1997}, pages={901-910} }

@article{Dungworth_1997b, title={Iron Age and Roman Copper Alloys from Northern Britain}, url={http://intarch.ac.uk/journal/issue2/dungworth_toc.html}, journal={Internet Archaeology 2}, author={Dungworth, David}, year={1997} }

@inbook{Freestone_Tite_1986, address={Westerville (OH)}, title={Refractories in the ancient and preindustrial world}, booktitle={High technology ceramics: past, present, and future : the nature of innovation and change in ceramic technology}, publisher={The American Ceramic Society}, author={Freestone, I.C. and Tite, M.S.}, editor={Kingery, W.D>}, year={1986}, pages={35-63} }

@article{Gassmann_2002, address={Sheffield}, title={Recent discoveries and excavations of 6th-2nd century BC furnaces in SW Germany}, volume={36}, number={2}, journal={Historical metallurgy: journal of the Historical Metallurgy Society}, publisher={Historical Metallurgy Society}, author={Gassmann, G}, year={2002}, pages={71-77} }

@book{Giumlia-Mair, Alessandra R._Lo Schiavo, Fulvia_2003, address={Oxford}, title={The problem of early tin}, volume={BAR international series},

`publisher={Archaeopress}, author={Giumlia-Mair, Alessandra R. and Lo Schiavo, Fulvia},
year={2003} }`

`@article{Guerra_Calligaro_Perea_2007, title={The treasure of Guarrazar: Tracing the gold
supplies in the Visigothic Iberian Peninsula}, volume={49},
DOI={10.1111/j.1475-4754.2007.00287.x}, number={1}, journal={Archaeometry},
author={Guerra, M. F. and Calligaro, T. and Perea, A.}, year={2007}, pages={53-74} }
@inbook{Hauptmann_2014, address={New York}, title={The investigation of
archaeometallurgical slag},
url={https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://shib-idp.ucl.
ac.uk/shibboleth&dest=http://www.dawsonera.com/depp/reader/protected/external/Abstra
ctView/S9781461490173}, booktitle={Archaeometallurgy in global perspective: methods
and syntheses}, publisher={Springer}, author={Hauptmann, A}, editor={Roberts,
Benjamin W. and Thornton, Christopher P.}, year={2014}, pages={91-106} }`

`@article{Hauptmann_2003, address={London}, title={Developments in Copper
Metallurgy During the Fourth and Third Millennia BC at Feinan, Jordan}, journal={Mining
and metal production through the ages}, publisher={British Museum},
author={Hauptmann, Andreas}, year={2003}, pages={90-100} }`

`@book{Hauptmann, Andreas_2007, address={Berlin}, title={The archaeometallurgy of
copper: evidence from Faynan, Jordan}, volume={Natural science in archaeology},
publisher={Springer}, author={Hauptmann, Andreas}, year={2007} }`

`@article{Haustein_Gillis_Pernicka_2010, title={Tin isotopy - A new method for solving old
questions}, volume={52}, DOI={10.1111/j.1475-4754.2010.00515.x}, number={5},
journal={Archaeometry}, author={Haustein, M. and Gillis, C. and Pernicka, E.},
year={2010}, month={Oct}, pages={816-832} }`

`@book{Hayman, Richard_2005, address={Stroud}, title={Ironmaking: the history and
archaeology of the iron industry}, publisher={Tempus}, author={Hayman, Richard},
year={2005} }`

`@inbook{Henderson_2000, address={London}, title={Metals},
url={http://ls-tlss.ucl.ac.uk/course-materials/ARCL3001_44732.pdf}, booktitle={The
science and archaeology of materials: an investigation of inorganic materials},
publisher={Routledge}, author={Henderson, J.}, year={2000}, pages={208-296} }`

`@book{Henderson, Julian_2000, address={London}, title={The science and archaeology
of materials: an investigation of inorganic materials}, publisher={Routledge},
author={Henderson, Julian}, year={2000} }`

`@book{Herbert, Eugenia W._1984, address={Madison, Wis}, title={Red gold of Africa:
copper in precolonial history and culture}, publisher={University of Wisconsin Press},
author={Herbert, Eugenia W.}, year={1984} }`

`@article{Holl_2009, title={Early West African Metallurgies: New Data and Old
Orthodoxy}, volume={22}, DOI={10.1007/s10963-009-9030-6}, number={4},
journal={Journal of World Prehistory}, author={Holl, Augustin F. C.}, year={2009},
pages={415-438} }`

@book{Hošek_Cleere_Mihok_Pleiner_Archeologický ústav (Akademie věd České republiky)_2011, address={Praha}, title={The archaeometallurgy of iron: recent developments in archaeological and scientific research}, publisher={Institute of Archaeology of the ASCR}, author={Hošek, Jiří and Cleere, Henry and Mihok, L

ubomír and Pleiner, Radomír and Archeologický ústav (Akademie věd České republiky)}, year={2011} }

@article{Host-Madsen_Buchwald, address={Sheffield}, title={The characterization and provenancing of ore, slag and iron from the Iron Age settlements at Snorup.}, volume={33}, journal={Historical metallurgy: journal of the Historical Metallurgy Society}, publisher={Historical Metallurgy Society}, author={Host-Madsen, L. and Buchwald, V.F.}, pages={57-67} }

@article{Humphris_Martinón-Torres_Rehren_Reid_2009, title={Variability in single smelting episodes - a pilot study using iron slag from Uganda}, volume={36}, DOI={10.1016/j.jas.2008.09.020}, number={2}, journal={Journal of Archaeological Science}, author={Humphris, Jane and Martinón-Torres, Marcos and Rehren, Thilo and Reid, Andrew}, year={2009}, pages={359-369} }

@book{Humphris, Jane_Rehren, Thilo_2013a, address={London}, title={The world of iron}, publisher={Archetype}, author={Humphris, Jane and Rehren, Thilo}, year={2013} }

@book{Humphris, Jane_Rehren, Thilo_2013b, address={London}, title={The world of iron}, publisher={Archetype}, author={Humphris, Jane and Rehren, Thilo}, year={2013} }

@book{Hunt Ortiz, Mark A._2003, address={Oxford}, title={Prehistoric mining and metallurgy in South West Iberian Peninsula}, volume={BAR international series}, publisher={Archaeopress}, author={Hunt Ortiz, Mark A.}, year={2003} }

@article{Hunter_Davis_1994, title={Early Bronze Age lead - a unique necklace from southeast Scotland}, volume={68}, url={http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=9423224&fulltextType=RA&fileId=S0003598X00047529}, number={261}, journal={Antiquity}, author={Hunter, F. and Davis, M.}, year={1994}, pages={824-830} }

@inbook{Iles_Childs_2014, address={New York}, title={Ethnoarchaeological and historical methods}, url={https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://shib-idp.ucl.ac.uk/shibboleth&dest=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9781461490173}, booktitle={Archaeometallurgy in Global Perspective: Methods and Syntheses}, publisher={Springer}, author={Iles, L. and Childs, S.T.}, editor={Roberts, Benjamin W. and Thornton, Christopher P.}, year={2014}, pages={193-216} }

@article{Iles_Martinón-Torres_2009, title={Pastoralist iron production on the Laikipia Plateau, Kenya: wider implications for archaeometallurgical studies}, volume={36},

DOI={10.1016/j.jas.2009.06.023}, number={10}, journal={Journal of Archaeological Science}, author={Iles, Louise and Martínón-Torres, Marcos}, year={2009}, pages={2314-2326} }

@book{Joosten, Ineke_2004, address={Amsterdam}, title={Technology of early historical iron production in the Netherlands}, volume={Geoarchaeological and bioarchaeological Studies}, publisher={Institute for Geo- and Bioarchaeology, Vrije Universiteit}, author={Joosten, Ineke}, year={2004} }

@article{Kassianidou_1998, address={Bochum}, title={Was silver actually recovered from speiss in antiquity?}, volume={Anschnitt}, journal={Metallurgica Antiqua: in honour of Hans-Gert Bachmann and Robert Maddin}, publisher={Deutsches Bergbau-Museum}, author={Kassianidou, V.}, year={1998}, pages={69-76} }

@article{Kassianidou_Knapp_2005, address={Malden, Mass}, title={Archaeometallurgy in the Mediterranean: the social context of mining, technology and trade}, volume={Blackwell studies in global archaeology}, journal={The archaeology of Mediterranean prehistory}, publisher={Blackwell Publishing}, author={Kassianidou, V. and Knapp, A.B.}, year={2005}, pages={215-251} }

@article{Killick_1991, address={Philadelphia, PA}, title={The relevance of recent iron-smelting practice to reconstructions of prehistoric smelting technology}, volume={MASCA research papers in science and archaeology}, journal={Recent trends in archaeometallurgical research}, publisher={MASCA, The University Museum, University of Pennsylvania}, author={Killick, D.}, year={1991}, pages={47-54} }

@article{Killick_1995, address={Paris}, title={Variation in African iron-smelting practice: implications for the study of Prehistoric iron technology in Europe}, journal={Paléométallurgie du fer & cultures: actes du Symposium international du Comité pour la sidérurgie ancienne de l'Union internationale des sciences préhistoriques et protohistoriques, Belfort - Sévenans, Institut polytechnique de Sévenans, 1-2-3 novembre 1990}, publisher={Association pour l'Edition et la Diffusion des Etudes Historiques}, author={Killick, D.}, year={1995} }

@article{Killick_2004, address={Frankfurt am Main}, title={What do we know about African iron working?}, volume={2}, number={1}, journal={Journal of African archaeology}, publisher={Africa Magna Verlag}, author={Killick, D.}, year={2004}, pages={97-112} }

@inbook{Killick_2014, address={New York}, title={From ores to metals}, url={https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://shib-idp.ucl.ac.uk/shibboleth&dest=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9781461490173}, booktitle={Archaeometallurgy in global perspective: methods and syntheses}, publisher={Springer}, author={Killick, D.}, editor={Roberts, Benjamin W. and Thornton, Christopher P.}, year={2014}, pages={11-46} }

@inbook{Killick_2001, address={Chichester}, title={Science, Speculation and the Origins of Extractive Metallurgy}, url={https://contentstore.cla.co.uk//secure/link?id=9e2e5eae-5736-e711-80c9-005056af4099}, booktitle={Handbook of archaeological sciences}, publisher={John Wiley}, author={Killick, David}, year={2001}, pages={483-492} }

@article{ Killick_2009a, title={Cairo to Cape: The Spread of Metallurgy Through Eastern and Southern Africa}, volume={22}, DOI={10.1007/s10963-009-9025-3}, number={4}, journal={Journal of World Prehistory}, author={Killick, David}, year={2009}, pages={399-414} }

@article{ Killick_2009b, title={Cairo to Cape: The Spread of Metallurgy Through Eastern and Southern Africa}, volume={22}, DOI={10.1007/s10963-009-9025-3}, number={4}, journal={Journal of World Prehistory}, author={Killick, David}, year={2009}, pages={399-414} }

@article{ Killick_Fenn_2012, title={Archaeometallurgy: The Study of Preindustrial Mining and Metallurgy}, volume={41}, DOI={10.1146/annurev-anthro-092611-145719}, number={1}, journal={Annual Review of Anthropology}, author={Killick, David and Fenn, Thomas}, year={2012}, pages={559-575} }

@article{ La Niece_Meeks_2000, address={London}, title={Diversity of Goldsmithing Traditions in the Americas and the Old World}, url={https://contentstore.cla.co.uk//secure/link?id=2e608bd1-6336-e711-80c9-005056af4099}, journal={Precolumbian gold: technology, style and iconography}, publisher={British Museum Press}, author={La Niece, S. and Meeks, N.}, year={2000}, pages={220-239} }

@book{ La Niece, Susan_Craddock, P. T._1993, address={Oxford}, title={Metal plating and patination: cultural, technical and historical developments}, publisher={Butterworth-Heinemann}, author={La Niece, Susan and Craddock, P. T.}, year={1993} }

@book{ La Niece_Hook_Craddock_British Museum_2007, address={London}, title={Metals and mines: studies in archaeometallurgy}, publisher={Archetype in association with the British Museum}, author={La Niece, Susan and Hook, Duncan R. and Craddock, P. T. and British Museum}, year={2007} }

@inbook{ Lambert_1997a, address={Reading, Mass}, title={Metals}, volume={Helix books}, url={https://contentstore.cla.co.uk//secure/link?id=b6834add-6536-e711-80c9-005056af4099}, booktitle={Traces of the past: unraveling the secrets of archaeology through chemistry}, publisher={Addison-Wesley}, author={Lambert, Joseph B.}, year={1997}, pages={168-213} }

@inbook{ Lambert_1997b, address={Reading, Mass}, title={Metals}, volume={Helix books}, url={https://contentstore.cla.co.uk//secure/link?id=b6834add-6536-e711-80c9-005056af4099}, booktitle={Traces of the past: unraveling the secrets of archaeology through chemistry}, publisher={Addison-Wesley}, author={Lambert, Joseph B.}, year={1997}, pages={168-213} }

@book{ Lambert, Joseph B._1997, address={Cambridge, Mass}, title={Traces of the past: unraveling the secrets of archaeology through chemistry}, volume={Helix books}, publisher={Perseus}, author={Lambert, Joseph B.}, year={1997} }

@article{ Lechtman_1973, address={Boston}, title={The gilding of metals in

pre-Columbian Peru}, journal={Application of science in examination of works of art: proceedings of the seminar: June 15-19, 1970, conducted by the Research Laboratory, Museum of Fine Arts, Boston, Massachusetts}, publisher={Museum of Fine Arts}, author={Lechtman, H.}, year={1973}, pages={38-52} }

@article{Lechtman_1988, address={Cambridge, Mass}, title={Traditions and Styles in Central Andean Metalworking}, url={https://contentstore.cla.co.uk//secure/link?id=882f6a2d-4f36-e711-80c9-005056af4099}, journal={The beginning of the use of metals and alloys: papers from the Second International Conference on the Beginning of the Use of Metals and Alloys, Zhengzhou, China, 21-26 October, 1986}, publisher={MIT Press}, author={Lechtman, H.}, year={1988}, pages={344-378} }

@article{Lechtman_1984, title={Pre-Columbian Surface Metallurgy}, volume={250}, DOI={10.1038/scientificamerican0684-56}, number={6}, journal={Scientific American}, author={Lechtman, Heather}, year={1984}, month={Jun}, pages={56-63} }

@article{Leusch_Armbruster_Pernicka_Slavčev_2015, title={On the Invention of Gold Metallurgy: The Gold Objects from the Varna I Cemetery (Bulgaria)—Technological Consequence and Inventive Creativity}, volume={25}, DOI={10.1017/S0959774314001140}, number={01}, journal={Cambridge Archaeological Journal}, author={Leusch, Verena and Armbruster, Barbara and Pernicka, Ernst and Slavčev, Vladimir}, year={2015}, month={Feb}, pages={353-376} }

@article{Levy_Adams_Hauptmann_Prange_Schmitt-Strecker_Najjar_2002, title={Early Bronze Age metallurgy: a newly discovered copper manufactory in southern Jordan}, volume={76}, DOI={10.1017/S0003598X00090530}, number={292}, journal={Antiquity}, author={Levy, Thomas E. and Adams, Russell B. and Hauptmann, Andreas and Prange, Michael and Schmitt-Strecker, Sigrid and Najjar, Mohammad}, year={2002}, month={Jun}, pages={425-437} }

@article{Liu_Wang_Cai_Chen_2013, title={Microscopic study of Chinese bronze casting moulds from the Eastern Zhou period}, volume={40}, DOI={10.1016/j.jas.2012.11.010}, number={5}, journal={Journal of Archaeological Science}, author={Liu, Siran and Wang, Kai and Cai, Quanfa and Chen, Jianli}, year={2013}, month={May}, pages={2402-2414} }

@book{Lleras Pérez, Roberto_1999, address={Oxford}, title={Prehispanic metallurgy and votive offerings in the Eastern Cordillera Colombia}, volume={BAR international series}, publisher={Archaeopress}, author={Lleras Pérez, Roberto}, year={1999} }

@article{MacDonald_Vernet_Martinón-Torres_Fuller_2009, title={Dhar Néma: from early agriculture to metallurgy in southeastern Mauritania}, volume={44}, DOI={10.1080/00671990902811330}, number={1}, journal={Azania: Archaeological Research in Africa}, author={MacDonald, Kevin C. and Vernet, Robert and Martinón-Torres, Marcos and Fuller, Dorian Q.}, year={2009}, pages={3-48} }

@article{Martinis-Torres_Rehren_2009, title={Post-Medieval crucible production and distribution: A study of materials and materialities}, volume={51}, DOI={10.1111/j.1475-4754.2007.00380.x}, number={1}, journal={Archaeometry}, author={Martinis-Torres, M. and Rehren, Th.}, year={2009}, pages={49-74} }

@article{ Martinón-Torres_2012a, title={ Inside Solomon's House: An Archaeological Study of the Old Ashmolean Chymical Laboratory in Oxford}, volume={59}, url={ <http://www.maneyonline.com/doi/full/10.1179/174582312X13296104891436>}, number={1}, journal={Ambix}, author={Martinón-Torres, M.}, year={2012}, pages={22-48} }

@article{ Martinón-Torres_Rehren_2005, address={Sheffield}, title={Alchemy, chemistry and metallurgy in Renaissance Europe. A wider context for fire assay remains}, volume={39}, url={ <https://contentstore.cla.co.uk//secure/link?id=05725dcf-4a36-e711-80c9-005056af4099>}, number={1}, journal={Historical metallurgy: journal of the Historical Metallurgy Society}, publisher={Historical Metallurgy Society}, author={Martinón-Torres, M. and Rehren, T.}, year={2005}, pages={14-31} }

@misc{ Martinón-Torres_Rehren_von Osten_2003, title={A 16th century lab in a 21st century lab: archaeometric study of the laboratory equipment from Oberstockstall}, volume={77}, url={ <http://antiquity.ac.uk/projgall/martinon/>}, number={298}, journal={Antiquity}, author={Martinón-Torres, M. and Rehren, T. and von Osten, S.}, year={2003} }

@article{ Martinón-Torres_Rehren_2002, address={Sheffield}, title={Agricola and Zwickau: theory and practice of Renaissance brass production in SE Germany}, volume={36}, url={ http://www.ucl.ac.uk/archaeology/people/staff/martinon_torres/usercontent_profile/Martinon-Torres_Historical_Metallurgy_brass_2002.pdf}, journal={Historical metallurgy: journal of the Historical Metallurgy Society}, publisher={Historical Metallurgy Society}, author={Martinón-Torres, M. and Rehren, Th.}, year={2002}, pages={95-111} }

@inbook{ Martinón-Torres_Rehren_2014, address={New York}, title={Technical ceramics}, url={ <https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://shib-idp.ucl.ac.uk/shibboleth&dest=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9781461490173>}, booktitle={Archaeometallurgy in global perspective: methods and syntheses}, publisher={Springer}, author={Martinón-Torres, M. and Rehren, Th.}, editor={Roberts, Benjamin W. and Thornton, Christopher P.}, year={2014}, pages={107-131} }

@article{ Martinón-Torres_Thomas_Rehren_Mongiatti_2008, title={Some problems and potentials of the study of cupellation remains: the case of post-medieval Montbéliard}, volume={32}, url={ <http://archeosciences.revues.org/948#text>}, journal={ArcheoSciences: Revue d'Archeometrie}, author={Martinón-Torres, M. and Thomas, N. and Rehren, Th. and Mongiatti, A.}, year={2008}, pages={59-70} }

@article{ Martinón-Torres_2012b, title={The Archaeology of Alchemy and Chemistry in the Early Modern World: An Afterthought}, volume={15}, DOI={10.5334/ai.1508}, journal={Archaeology International}, author={Martinón-Torres, Marcos}, year={2012}, month={Dec} }

@article{ Martinón-Torres_Cooper_Rojas_Rehren_2006, title={Diversifying the picture: indigenous responses to European arrival in Cuba}, volume={10}, DOI={10.5334/ai.1008}, journal={Archaeology International}, author={Martinón-Torres,

Marcos and Cooper, Jago and Rojas, Roberto Valcárcel and Rehren, Thilo}, year={2006} }

@article{Martinón-Torres_Li_Bevan_Xia_Zhao_Rehren_2012, title={Forty Thousand Arms for a Single Emperor: From Chemical Data to the Labor Organization Behind the Bronze Arrows of the Terracotta Army}, DOI={10.1007/s10816-012-9158-z}, journal={Journal of Archaeological Method and Theory}, author={Martinón-Torres, Marcos and Li, Xiuzhen Janice and Bevan, Andrew and Xia, Yin and Zhao, Kun and Rehren, Thilo}, year={2012} }

@article{Martinón-Torres_Rojas_Cooper_Rehren_2007, title={Metals, microanalysis and meaning: a study of metal objects excavated from the indigenous cemetery of El Chorro de Maíta, Cuba}, volume={34}, DOI={10.1016/j.jas.2006.04.013}, number={2}, journal={Journal of Archaeological Science}, author={Martinón-Torres, Marcos and Rojas, Roberto Valcárcel and Cooper, Jago and Rehren, Thilo}, year={2007}, pages={194-204} }

@article{Martinón-Torres_Uribe-Villegas_2015a, title={The prehistoric individual, connoisseurship and archaeological science: The Muisca goldwork of Colombia}, volume={63}, DOI={10.1016/j.jas.2015.08.014}, journal={Journal of Archaeological Science}, author={Martinón-Torres, Marcos and Uribe-Villegas, María Alicia}, year={2015}, month={Nov}, pages={136-155} }

@article{Martinón-Torres_Uribe-Villegas_2015b, title={The prehistoric individual, connoisseurship and archaeological science: The Muisca goldwork of Colombia}, volume={63}, DOI={10.1016/j.jas.2015.08.014}, journal={Journal of Archaeological Science}, author={Martinón-Torres, Marcos and Uribe-Villegas, María Alicia}, year={2015}, month={Nov}, pages={136-155} }

@article{Martinón-Torres_Valcárcel_Rojas_Sáenz_Samper_Guerra_2012, title={Metallic encounters in Cuba: The technology, exchange and meaning of metals before and after Columbus}, volume={31}, DOI={10.1016/j.jaa.2012.03.006}, number={4}, journal={Journal of Anthropological Archaeology}, author={Martinón-Torres, Marcos and Valcárcel Rojas, Roberto and Sáenz Samper, Juanita and Guerra, María Filomena}, year={2012}, pages={439-454} }

@article{Mary Van Buren_Barbara H. Mills_2005a, title={Huayrachinas and Tocoachimpos: Traditional Smelting Technology of the Southern Andes}, volume={16}, url={http://www.jstor.org.libproxy.ucl.ac.uk/stable/30042484}, number={1}, journal={Latin American Antiquity}, publisher={Society for American Archaeology}, author={Mary Van Buren and Barbara H. Mills}, year={2005}, pages={3-25} }

@article{Mary Van Buren_Barbara H. Mills_2005b, title={Huayrachinas and Tocoachimpos: Traditional Smelting Technology of the Southern Andes}, volume={16}, url={http://www.jstor.org.libproxy.ucl.ac.uk/stable/30042484}, number={1}, journal={Latin American Antiquity}, publisher={Society for American Archaeology}, author={Mary Van Buren and Barbara H. Mills}, year={2005}, pages={3-25} }

@book{McEwan, Colin_2000a, address={London}, title={Precolumbian gold: technology, style and iconography}, publisher={British Museum Press}, author={McEwan, Colin}, year={2000} }

@book{McEwan, Colin_2000b, address={London}, title={Precolumbian gold: technology, style and iconography}, publisher={British Museum Press}, author={McEwan, Colin}, year={2000} }

@article{Mei_2009, address={London}, title={Early metallurgy in China: some challenging issues in current studies}, journal={Metallurgy and civilisation: Eurasia and beyond: proceedings of the 6th International Conference on the Beginnings of the Use of Metals and Alloys (BUMA VI)}, publisher={Archetype}, author={Mei, J.}, year={2009}, pages={9-16} }

@book{Mei_Rehren_2009, address={London}, title={Metallurgy and civilisation: Eurasia and beyond: proceedings of the 6th International Conference on the Beginnings of the Use of Metals and Alloys (BUMA VI)}, publisher={Archetype, and the Institute for Archaeo-Metallurgical Studies, in association with the University of Science and Technology, Beijing}, author={Mei, Jianjun and Rehren, Thilo}, year={2009} }

@book{Mitteldeutscher Archäologentag_2014, address={Halle (Saale)}, title={Metals of Power – Early gold and silver [Metalle der Macht: Frühes Gold und Silber]}, volume={Tagungen des Landesmuseums für Vorgeschichte Halle}, publisher={Landesamt für Denkmalpflege und Archäologie Sachsen-Anhalt, Landesmuseum für Vorgeschichte}, author={Mitteldeutscher Archäologentag}, editor={Meller, Harald and Risch, Roberto and Pernicka, Ernst}, year={2014} }

@article{Murphy_Baldwin, address={Sheffield}, title={Early lead smelting sites in the Swaledale area of Yorkshire}, volume={35}, number={1}, journal={Historical metallurgy: journal of the Historical Metallurgy Society}, publisher={Historical Metallurgy Society}, author={Murphy, S. and Baldwin, H.}, pages={1-22} }

@book{Nørbach, Lars Christian_2003, address={Aarhus}, title={Prehistoric and medieval direct iron smelting in Scandinavia and Europe: aspects of technology and society}, volume={Acta Jutlandica}, publisher={Aarhus University Press}, author={Nørbach, Lars Christian}, year={2003} }

@inbook{Notis_2014, address={New York}, title={Metals}, url={https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://shib-idp.ucl.ac.uk/shibboleth&dest=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9781461490173}, booktitle={Archaeometallurgy in global perspective: methods and syntheses}, publisher={Springer}, author={Notis, M.R.}, editor={Roberts, Benjamin W. and Thornton, Christopher P.}, year={2014}, pages={47-66} }

@book{O'Brien, William_1996, address={Princes Risborough}, title={Bronze age copper mining in Britain and Ireland}, publisher={Shire}, author={O'Brien, William}, year={1996} }

@article{Ottaway_2001a, title={Innovation, production and specialization in early prehistoric copper metallurgy}, volume={4}, url={http://www.swetswise.com/FullTextProxy/swproxy?url=http%3A%2F%2Fopenurl.ingenta.com%2Fcontent%2Fswetsnet-4.1.d341bf2f065c0657e279903cc7f1deed%3Fgenre%3Darticle%26issn%3D1461-9571%26volume%3D4%26issue%3D1%26spage%3D87%26epage%3D112%26aulast%3DOttaway&ts=1385559668384&cs=3364928367&userName=8080038.ipdirect&emCondId=3344&articleID=165840470&yevol

D=1214771&titleID=71962&remoteAddr=144.82.107.165&hostType=PRO
, number={1}, journal={European Journal of Archaeology}, author={Ottaway, B.},
year={2001}, pages={87-112} }

@article{Ottaway_2001b, title={Innovation, production and specialization in early
prehistoric copper metallurgy}, volume={4},
url={http://www.maneyonline.com.libproxy.ucl.ac.uk/doi/pdfplus/10.1179/eja.2001.4.1.87
, number={1}, journal={European Journal of Archaeology}, author={Ottaway, B.},
year={2001}, pages={87-112} }

@book{Ottaway, Barbara S._Wang, Quanyu_2004, address={Oxford}, title={Casting
experiments and microstructure of archaeologically relevant bronzes}, volume={BAR
international series}, publisher={Archaeopress}, author={Ottaway, Barbara S. and Wang,
Quanyu}, year={2004} }

@article{Patterson_1971, title={Native Copper, Silver, and Gold Accessible to Early
Metallurgists}, volume={36}, url={http://www.jstor.org/stable/277716}, number={3},
journal={American Antiquity}, publisher={Society for American Archaeology},
author={Patterson, Clair C.}, year={1971}, pages={286-321} }

@article{Paul T. CRADDOCK_2000, title={From Hearth to Furnace : Evidences for the
Earliest Metal Smelting Technologies in the Eastern Mediterranean}, volume={26},
url={http://www.jstor.org/stable/41496588}, number={2}, journal={Paléorient},
publisher={Paléorient}, author={Paul T. CRADDOCK}, year={2000}, pages={151-165} }

@article{Paul T. Craddock_2013, title={Refractories: Ceramics with a Purpose},
volume={18},
url={https://journals.ub.uni-heidelberg.de/index.php/opa/article/view/11962/5817},
number={2}, journal={The Old Potter's Almanack}, author={Paul T. Craddock},
year={2013}, pages={9-20} }

@article{Paul T. Craddock_2014, title={Refractories with a purpose II: ceramics for
casting}, volume={19},
url={https://journals.ub.uni-heidelberg.de/index.php/opa/article/view/14852/8729},
number={1}, journal={The Old Potter's Almanack}, author={Paul T. Craddock},
year={2014}, pages={2-17} }

@article{Pearce_1998, title={Reconstructing prehistoric metallurgical knowledge: the
Northern Italian Copper and Bronze Ages}, volume={1},
url={http://www.maneyonline.com/doi/abs/10.1179/eja.1998.1.1.51}, number={1},
journal={European Journal of Archaeology}, author={Pearce, M.}, year={1998},
pages={51-70} }

@article{Pernicka_Rehren_Schmitt-Strecker_1998, address={Bochum}, title={Late Uruk
silver production by cupellation at Habuba Kabira, Syria}, volume={Anschnitt},
journal={Metallurgica Antiqua: in honour of Hans-Gert Bachmann and Robert Maddin},
publisher={Deutsches Bergbau-Museum}, author={Pernicka, E. and Rehren, Th. and
Schmitt-Strecker, S.}, year={1998}, pages={123-134} }

@inbook{Piggott_Weisgerber_1998, title={Mining archaeology in geological context. The

prehistoric copper mining complex at Phu Lon, Nong Khai Province, northeast Thailand},
booktitle={Metallurgica Antiqua}, author={Piggott, V. C. and Weisgerber, G.},
year={1998}, pages={69-76} }

@article{Piggott_1999, address={Oxford}, title={Reconstructing the copper production process as practised among prehistoric mining/ metallurgical communities in the Khao Wong Prachan Valley of central Thailand}, volume={BAR international series}, journal={Metals in antiquity}, publisher={Archaeopress}, author={Piggott, V.C.}, year={1999}, pages={10-21} }

@article{Piggott_Ciarla_2007, address={London}, title={On the origins of metallurgy in prehistoric Southeast Asia: the view from Thailand}, journal={Metals and mines: studies in archaeometallurgy}, publisher={Archetype in association with the British Museum}, author={Piggott, V.C. and Ciarla, R.}, year={2007}, pages={76-88} }

@book{Pleiner, Radomír. 2000, address={Praha}, title={Iron in archaeology: the European bloomery smelters}, publisher={Archeologický ústav AVČR}, author={Pleiner, Radomír.}, year={2000} }

@book{Pleiner, Radomír. 2006, address={Praha}, title={Iron in archaeology: early European blacksmiths}, publisher={Archeologický ústav AV ČR}, author={Pleiner, Radomír.}, year={2006} }

@article{Ponting_2002, title={Keeping up with the Romans? Romanisation and Copper Alloys in First Revolt Palestine}, volume={22}, url={http://www.ucl.ac.uk/iams/newsletter/accordion/journals/iams_22/iams_22_2002_ponting}, journal={IAMS}, author={Ponting, Mathew}, year={2002}, pages={3-6} }

@article{Pryce_Bassiakos_Catapotis_Donna_2007, title={ 'De caerimoniae'. Technological choices in copper-smelting furnace design at Early Bronze Age Chrysokamino, Crete}, volume={49}, DOI={10.1111/j.1475-4754.2007.00319.x}, number={3}, journal={Archaeometry}, author={Pryce, T.O. and Bassiakos, Y. and Catapotis, M. and Donna, R.C.}, year={2007}, pages={543-557} }

@article{Pulak_2000, address={Bochum}, title={The copper and tin ingots from the Late Bronze Age shipwreck at Uluburun}, volume={Veröffentlichungen aus dem Deutschen Bergbau-Museum Bochum}, journal={Anatolian metal I}, publisher={Deutsches Bergbau-Museum}, author={Pulak, C.}, year={2000}, pages={137-157} }

@article{Radivojevic_Rehren_Kuzmanović_Cvetković_Jovanovic_Northover_2013, title={Tainted ores and the rise of tin bronzes in Eurasia, c. 6500 years ago}, volume={87}, url={http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=9423928&fulltextType=RA&fileId=S0003598X0004984X}, number={338}, journal={Antiquity}, author={Radivojevic, M. and Rehren, T. and Kuzmanović Cvetković, J. and Jovanovic, M. and Northover, P.}, year={2013}, pages={1030-1045} }

@article{Radivojević_Rehren_Pernicka_Šljivar_Brauns_Borić_2010a, title={On the origins of extractive metallurgy: new evidence from Europe}, volume={37}, DOI={10.1016/j.jas.2010.06.012}, number={11}, journal={Journal of Archaeological Science}, author={Radivojević, Miljana and Rehren, Thilo and Pernicka, Ernst and Šljivar,

Dušan and Brauns, Michael and Borić, Dušan}, year={2010}, month={Nov},
pages={2775–2787} }

@article{Radivojević_Rehren_Pernicka_Šljivar_Brauns_Borić_2010b, title={On the origins
of extractive metallurgy: new evidence from Europe}, volume={37},
DOI={10.1016/j.jas.2010.06.012}, number={11}, journal={Journal of Archaeological
Science}, author={Radivojević, Miljana and Rehren, Thilo and Pernicka, Ernst and Šljivar,
Dušan and Brauns, Michael and Borić, Dušan}, year={2010}, month={Nov},
pages={2775–2787} }

@book{Ramage, Andrew_Craddock, P. T._Cowell, M. R._2000, address={London},
title={King Croesus' gold: excavations at Sardis and the history of gold refining},
publisher={British Museum Press in association with Archaeological Exploration of Sardis,
Harvard University Art Museums}, author={Ramage, Andrew and Craddock, P. T. and
Cowell, M. R.}, year={2000} }

@inbook{Rehren_1999, address={Oxford}, title={The same... but different: A
juxtaposition of Roman and Medieval brass making in Central Europe}, volume={BAR
international series},
url={https://contentstore.cla.co.uk//secure/link?id=61f8301f-8136-e711-80c9-005056af40
99}, booktitle={Metals in antiquity}, publisher={Archaeopress}, author={Rehren, T.},
year={1999}, pages={252–257} }

@inbook{Rehren_Martinón-Torres_2008, address={Walnut Creek, CA}, title={Naturam
ars imitata: European brassmaking between craft and science}, volume={Publications of
the Institute of Archaeology, University College London},
url={https://contentstore.cla.co.uk//secure/link?id=842c74d4-7f36-e711-80c9-005056af40
99}, booktitle={Archaeology, history and science: integrating approaches to ancient
materials}, publisher={Left Coast Press}, author={Rehren, T. and Martinón-Torres, M.},
year={2008}, pages={167–188} }

@article{Rehren_Schneider_Bartels_1999, address={Sheffield}, title={Medieval
lead-silver smelting in the Siegerland, West Germany}, volume={33},
url={https://contentstore.cla.co.uk//secure/link?id=ad98f2d5-4a36-e711-80c9-005056af40
99}, journal={Historical metallurgy: journal of the Historical Metallurgy Society},
publisher={Historical Metallurgy Society}, author={Rehren, T. and Schneider, J. and
Bartels, C.}, year={1999}, pages={73–84} }

@article{Rehren_1996, address={Sheffield}, title={Alchemy and fire assay – an
analytical approach}, volume={30}, journal={Historical metallurgy: journal of the
Historical Metallurgy Society}, publisher={Historical Metallurgy Society},
author={Rehren, Th.}, year={1996}, pages={136–142} }

@inbook{Rehren_2003, address={London}, title={Crucibles as reaction vessels in
ancient metallurgy}, booktitle={Mining and metal production through the ages},
publisher={The British Museum Press}, author={Rehren, Th.}, editor={Craddock, P.T.
and Lang, J.}, year={2003}, pages={207–215} }

@article{Rehren_Chalton_Chirikure_Humphris_Ige_Veldhuijzen_2007, address={London},
title={Decisions set in slag: the human factor in African iron smelting},
url={http://www.ironsmelting.net/www/smelting/ARC-MetMines-Rehren.pdf},

journal={Metals and mines: studies in archaeometallurgy}, publisher={Archetype in association with the British Museum}, author={Rehren, Th. and Chalton, M. and Chirikure, S. and Humphris, J. and Ige, A. and Veldhuijzen, H.A.}, year={2007}, pages={211-218} }

@inbook{Rehren_2008, title={Metals - Chemical Analysis}, DOI={10.1016/B978-012373962-9.00188-6}, booktitle={Encyclopedia of Archaeology}, publisher={Elsevier}, author={Rehren, Thilo}, year={2008}, pages={1614-1616} }

@article{Rehren_2011, title={The Production of Silver in South America}, volume={13}, DOI={10.5334/ai.1318}, journal={Archaeology International}, author={Rehren, Thilo}, year={2011}, pages={76-83} }

@article{Rehren_Belgya_Jambon_Káli_Kasztovszky_Kis_Kovács_Maróti_Martinón-Torres_Miniaci_et al._2013, title={5,000 years old Egyptian iron beads made from hammered meteoritic iron}, volume={40}, DOI={10.1016/j.jas.2013.06.002}, number={12}, journal={Journal of Archaeological Science}, author={Rehren, Thilo and Belgya, Tamás and Jambon, Albert and Káli, György and Kasztovszky, Zsolt and Kis, Zoltán and Kovács, Imre and Maróti, Boglárka and Martinón-Torres, Marcos and Miniaci, Gianluca and Pigott, Vincent C. and Radivojević, Miljana and Rosta, László and Szentmiklósi, László and Szőkefalvi-Nagy, Zoltán}, year={2013}, pages={4785-4792} }

@book{Rehren_Thilo_Prange_Michael_1998, title={Teaching Collection (Archaeology / ARCL 3001): Lead metal and patina : a comparison}, author={Rehren, Thilo and Prange, Michael}, year={1998} }

@book{Renfrew_Colin_1999, address={London}, title={Before civilization: the radiocarbon revolution and prehistoric Europe}, publisher={Pimlico}, author={Renfrew, Colin}, year={1999} }

@article{Roberts_Thornton_Pigott_2009, title={Development of metallurgy in Eurasia}, volume={83}, url={http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=9437996&fileId=S0003598X00099312}, number={322}, journal={Antiquity}, author={Roberts, B. W. and Thornton, C. P. and Pigott, V. C.}, year={2009}, pages={1012-1022} }

@article{Roger Matthews and Hassan Fazeli_2004, title={Copper and Complexity: Iran and Mesopotamia in the Fourth Millennium B.C.}, volume={42}, url={http://www.jstor.org/stable/4300663}, journal={Iran}, publisher={British Institute of Persian Studies}, author={Roger Matthews and Hassan Fazeli}, year={2004}, pages={61-75} }

@book{Rostoker_William_Bronson_Bennet_1990, address={Philadelphia, Pa}, title={Pre-industrial iron: its technology and ethnology}, volume={Archeomaterials monograph}, publisher={[Archeomaterials]}, author={Rostoker, William and Bronson, Bennet}, year={1990} }

@book{Rothenberg_Benno_Bachmann_H. G._1990, address={London}, title={The Ancient metallurgy of copper: archaeology, experiment, theory}, volume={Metal in

history}, publisher={Institute for Archaeo-Metallurgical Studies [and] Institute of Archaeology, University College, London}, author={Rothenberg, Benno. and Bachmann, H. G.}, year={1990} }

@article{Rovira_Lopez-Medina_Roman-Diaz_Martinez-Padillar_2004, address={Sheffield}, title={Los Callejones: a Roman Republican iron mining and smelting centre in the south east of the Iberian Peninsula}, volume={38}, url={https://contentstore.cla.co.uk//secure/link?id=b098f2d5-4a36-e711-80c9-005056af4099}, number={1}, journal={Historical metallurgy: journal of the Historical Metallurgy Society}, publisher={Historical Metallurgy Society}, author={Rovira, S. and Lopez-Medina, M. and Roman-Diaz, M. P. and Martinez-Padillar, C.}, year={2004}, pages={1-9} }

@book{Schmidt, Peter R._1997, address={Bloomington, IN}, title={Iron technology in East Africa: symbolism, science, and archaeology}, publisher={Indiana University Press}, author={Schmidt, Peter R.}, year={1997} }

@article{Schwab_HEGER_HOPPNER_PERNICKA_2006, title={The provenance of iron artefacts from Manching: A multi-technique approach}, volume={48}, DOI={10.1111/j.1475-4754.2006.00265.x}, number={3}, journal={Archaeometry}, author={Schwab, R. and HEGER, D. and HOPPNER, B. and PERNICKA, E.}, year={2006}, month={Aug}, pages={433-452} }

@book{Scott, David A._1991, address={[Marina del Rey, CA]}, title={Metallography and microstructure of ancient and historic metals}, url={http://www.getty.edu/conservation/publications_resources/pdf_publications/pdf/metallography.pdf}, publisher={Getty Conservation Institute}, author={Scott, David A.}, year={1991} }

@article{Shadreck Chirikure and Thilo Rehren_2004, title={Ores, Furnaces, Slags, and Prehistoric Societies: Aspects of Iron Working in the Nyanga Agricultural Complex, AD 1300-1900}, volume={21}, url={http://www.jstor.org/stable/25130799}, number={3}, journal={The African Archaeological Review}, publisher={Springer}, author={Shadreck Chirikure and Thilo Rehren}, year={2004}, pages={135-152} }

@article{Shennan_1999, title={Cost, benefit and value in the organization of early European copper production}, volume={73}, url={http://search.proquest.com/docview/217558342/fulltext?accountid=14511}, number={280}, journal={Antiquity}, author={Shennan, S.}, year={1999}, pages={352-363} }

@article{Shimada_Gordus_Griffin_Merkel_1999, address={Oxford}, title={Sicán alloying, working and use of precious metals: an interdisciplinary perspective}, volume={BAR international series}, journal={Metals in antiquity}, publisher={Archaeopress}, author={Shimada, I. and Gordus, A. and Griffin, J.A. and Merkel, J.F.}, year={1999}, pages={301-309} }

@book{Sim, David_Ridge, Isabel_1998, address={Oxford}, title={Beyond the bloom: bloom refining and iron artifact production in the Roman world}, volume={BAR international series}, publisher={Archaeopress}, author={Sim, David and Ridge, Isabel}, year={1998} }

@article{Stanley B. Alpern_2005, title={Did They or Didn't They Invent It? Iron in Sub-Saharan Africa}, volume={32},
url={http://www.jstor.org.libproxy.ucl.ac.uk/stable/20065735}, journal={History in Africa}, publisher={African Studies Association}, author={Stanley B. Alpern},
year={2005}, pages={41-94} }

@article{Starley_1999, title={Determining the Technological Origins of Iron and Steel},
volume={26}, DOI={10.1006/jasc.1999.0408}, number={8}, journal={Journal of Archaeological Science}, author={Starley, David}, year={1999}, pages={1127-1133} }

@article{T Kearns, M Martínón-Torres, Th Rehren_2010, title={Metal to mould: alloy identification in experimental casting moulds using XRF Available as print journal}, volume={44}, number={1}, journal={Historical metallurgy: journal of the Historical Metallurgy Society}, author={T Kearns, M Martínón-Torres, Th Rehren},
year={2010}, pages={48-58} }

@inbook{Thilo_2008, address={Amsterdam?}}, title={Metals: Chemical analysis},
url={http://linkinghub.elsevier.com/retrieve/pii/B9780123739629001886},
booktitle={Encyclopedia of archaeology}, publisher={ScienceDirect}, author={Thilo, Rehren}, year={2008}, pages={1614-1620} }

@article{Thondhlana_Martinón-Torres_2009, address={Frankfurt am Main}, title={Small size, high value. Composition and manufacture of copper-base beads from Second Millennium AD northern Zimbabwe}, volume={7}, number={1}, journal={Journal of African archaeology}, publisher={Africa Magna Verlag}, author={Thondhlana, T. and Martínón-Torres, M.}, year={2009}, pages={79-97} }

@inbook{Timberlake_2003, address={London}, title={Early mining research in Britain: the developments of the last ten years},
url={https://contentstore.cla.co.uk//secure/link?id=3de2dbf2-6336-e711-80c9-005056af4099}, booktitle={Mining and metal production through the ages}, publisher={British Museum}, author={Timberlake, S.}, year={2003}, pages={22-42} }

@book{Timberlake, Simon_Mighall, Tim_2003, address={Oxford}, title={Excavations on Copa Hill, Cwmystwyth (1986-1999): an early Bronze Age copper mine within the uplands of Central Wales}, volume={BAR British series}, publisher={Archaeopress},
author={Timberlake, Simon and Mighall, Tim}, year={2003} }

@book{Tylecote, R. F._1987a, address={London}, title={The early history of metallurgy in Europe}, volume={Longman archaeology series}, publisher={Longman},
author={Tylecote, R. F.}, year={1987} }

@book{Tylecote, R. F._1987b, address={London}, title={The early history of metallurgy in Europe}, volume={Longman archaeology series}, publisher={Longman},
author={Tylecote, R. F.}, year={1987} }

@book{Tylecote, R. F._1987c, address={London}, title={The early history of metallurgy in Europe}, volume={Longman archaeology series}, publisher={Longman},
author={Tylecote, R. F.}, year={1987} }

@article{Veldhuijzen_Rehren_2007, address={London}, title={Slags and the city: early iron production at Tell Hammeh, Jordan and Tell Beth-Shemesh, Israel}, url={http://www.ironsmelting.net/www/smelting/ARC-MetMines-Veldhuijzen.pdf}, journal={Metals and mines: studies in archaeometallurgy}, publisher={Archetype in association with the British Museum}, author={Veldhuijzen, H.A. and Rehren, Th.}, year={2007}, pages={189-201} }

@article{Villegas_Martinón-Torres_2012a, title={Composition, colour and context in Muisca votive metalwork (Colombia, AD 600-1800)}, volume={86}, url={http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=9423537&fulltextType=RA&fileId=S0003598X00047918}, number={333}, journal={Antiquity}, author={Villegas, M. A. U. and Martínón-Torres, M.}, year={2012}, pages={772-791} }

@article{Villegas_Martinón-Torres_2012b, title={Composition, colour and context in Muisca votive metalwork (Colombia, AD 600-1800)}, volume={86}, url={http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=9423537&fulltextType=RA&fileId=S0003598X00047918}, number={333}, journal={Antiquity}, author={Villegas, M. A. U. and Martínón-Torres, M.}, year={2012}, pages={772-791} }

@article{Wagner_2003, address={Sheffield}, title={Chinese blast furnaces from the 10th to the 14th century}, volume={37}, url={https://contentstore.cla.co.uk//secure/link?id=fee72168-4a36-e711-80c9-005056af4099}, number={1}, journal={Historical metallurgy: journal of the Historical Metallurgy Society}, publisher={Historical Metallurgy Society}, author={Wagner, Donald.}, year={2003}, pages={25-37} }

@article{Waldbaum_1999, address={Philadelphia}, title={The coming of iron in the eastern Mediterranean}, volume={University Museum monograph}, journal={The archaeometallurgy of the Asian old world}, publisher={Museum University of Pennsylvania}, author={Waldbaum, J.}, year={1999}, pages={27-57} }

@book{Wertime, Theodore A._Muhly, James David_1980, address={New Haven}, title={The coming of the age of iron}, publisher={Yale University Press}, author={Wertime, Theodore A. and Muhly, James David}, year={1980} }

@book{Williams, Dyfri_Ogden, Jack_1994a, address={New York}, title={Greek gold: jewelry of the classical world}, publisher={Abrams}, author={Williams, Dyfri and Ogden, Jack}, year={1994} }

@book{Williams, Dyfri_Ogden, Jack_1994b, address={New York}, title={Greek gold: jewelry of the classical world}, publisher={Abrams}, author={Williams, Dyfri and Ogden, Jack}, year={1994} }

@article{Woodhouse_1998, address={London}, title={Iron in Africa: the metal from nowhere}, url={https://contentstore.cla.co.uk//secure/link?id=0082cbd6-6436-e711-80c9-005056af4099}, journal={Transformations in Africa: essays on Africa's later past}, publisher={Leicester University Press}, author={Woodhouse, J.}, year={1998}, pages={160-185} }

@book{Yener, K. Aslihan_2000, address={Leiden}, title={The domestication of metals: the rise of complex metal industries in Anatolia}, volume={Culture and history of the ancient Near East}, publisher={Brill}, author={Yener, K. Aslihan}, year={2000} }

@article{Zacharias_1989, address={Montréal}, title={Brass making in medieval western Europe}, journal={All that glitters: readings in historical metallurgy}, publisher={Metallurgical Society of the Canadian Institute of Mining and Metallurgy}, author={Zacharias, S.}, year={1989}, pages={35-40} }

@article{Zhou_Martinón-Torres_Chén_Li_Li_2012, title={Distilling zinc for the Ming Dynasty: the technology of large scale zinc production in Fengdu, southwest China}, volume={39}, DOI={10.1016/j.jas.2011.10.021}, number={4}, journal={Journal of Archaeological Science}, author={Zhou, Wenli and Martinón-Torres, Marcos and Chén, Jianli and Li, Haiwang and Li, Yanxiang}, year={2012}, pages={908-921} }

@misc{Main Archaeo-Metallurgical Bibliography_2004, url={http://users.ox.ac.uk/~salter/arch-metals/met-bib-ak.htm}, year={2004} }

@article{Archaeometallurgy: Technological, Economic and Social Perspectives in Late Prehistoric Europe (TESME).Trabajos de Prehistoria_2010, volume={67}, number={2}, journal={Trabajos de Prehistoria}, year={2010} }

@book{Roberts_Thornton_2014, address={New York}, title={Archaeometallurgy in global perspective: methods and syntheses}, url={http://www.vlebooks.com/vleweb/product/openreader?id=UCL&isbn=9781461490173}, publisher={Springer}, year={2014} }

@book{Cech_Rehren_2014, address={Montagnac}, title={Early iron in Europe}, volume={Monographies instrumentum}, publisher={Éditions Monique Mergoïl}, year={2014} }

@article{Paynter_Blakelock_Belford_2014, title={Iron and Ironworking}, volume={48}, journal={Historical metallurgy: journal of the Historical Metallurgy Society}, year={2014} }

@misc{Archaeometallurgy. Guidelines for Best Practice_2015, url={http://historicengland.org.uk/images-books/publications/archaeometallurgy-guidelines-best-practice/}, publisher={Historic England}, year={2015}, month={Apr} }

@misc{Arch-metals online discussion list, url={https://www.jiscmail.ac.uk/cgi-bin/webadmin?A0=arch-metals} }

@misc{Abstract of International Conservation Literature, url={http://aata.getty.edu/Home} }

@misc{HMS Datasheets, url={http://hist-met.org/resources/datasheets.html} }

@article{Archaeometry, url={http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1475-4754} }

@article{Journal of Archaeological Science - Elsevier,

url={ <http://www.journals.elsevier.com/journal-of-archaeological-science/> } }

@misc{Archaeological and Anthropological Sciences,
url={ <http://www.springer.com/earth+sciences+and+geography/journal/12520> } }

@misc{Historical Metallurgy - The Journal,
url={ <http://hist-met.org/publications/historical-metallurgy-the-journal.html> } }