

# Thilo Rehren

## List of Publications by Citations

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129  
papers

2,701  
citations

33  
h-index

44  
g-index

147  
ext. papers

3,264  
ext. citations

2.5  
avg, IF

5.65  
L-index

#	Paper	IF	Citations
129	On the origins of extractive metallurgy: new evidence from Europe. <i>Journal of Archaeological Science</i> , <b>2010</b> , 37, 2775-2787	2.9	152
128	Ancient glass: from kaleidoscope to crystal ball. <i>Journal of Archaeological Science</i> , <b>2015</b> , 56, 233-241	2.9	70
127	Late Bronze Age glass production at Qantir-Piramesses, Egypt. <i>Science</i> , <b>2005</b> , 308, 1756-8	33.3	68
126	Explaining the evolution of ironmaking recipes – An example from northwest Wales. <i>Journal of Anthropological Archaeology</i> , <b>2010</b> , 29, 352-367	1.9	66
125	Early primary glass production in southern Nigeria. <i>Journal of African Archaeology</i> , <b>2006</b> , 4, 111-138	0.8	66
124	A review of factors affecting the composition of early Egyptian glasses and faience: alkali and alkali earth oxides. <i>Journal of Archaeological Science</i> , <b>2008</b> , 35, 1345-1354	2.9	63
123	COINS, ARTEFACTS AND ISOTOPES – ARCHAEOMETALLURGY AND ARCHAEOMETRY*. <i>Archaeometry</i> , <b>2008</b> , 50, 232-248	1.6	58
122	Rationales in Old World Base Glass Compositions. <i>Journal of Archaeological Science</i> , <b>2000</b> , 27, 1225-1234	2.9	57
121	Prehistoric copper production and technological reproduction in the Khao Wong Prachan Valley of Central Thailand. <i>Archaeological and Anthropological Sciences</i> , <b>2010</b> , 2, 237-264	1.8	55
120	Ile-Ife and Igbo Olokun in the history of glass in West Africa. <i>Antiquity</i> , <b>2017</b> , 91, 732-750	1	52
119	Aspects of the Production of Cobalt-blue Glass in Egypt. <i>Archaeometry</i> , <b>2001</b> , 43, 483-489	1.6	52
118	5,000 years old Egyptian iron beads made from hammered meteoritic iron. <i>Journal of Archaeological Science</i> , <b>2013</b> , 40, 4785-4792	2.9	51
117	Large scale smelting of speiss and arsenical copper at Early Bronze Age Arisman, Iran. <i>Journal of Archaeological Science</i> , <b>2012</b> , 39, 1717-1727	2.9	51
116	Tainted ores and the rise of tin bronzes in Eurasia, c. 6500 years ago. <i>Antiquity</i> , <b>2013</b> , 87, 1030-1045	1	50
115	Changes in glass consumption in Pergamon (Turkey) from Hellenistic to late Byzantine and Islamic times. <i>Journal of Archaeological Science</i> , <b>2015</b> , 55, 266-279	2.9	49
114	Herding cats – Roman to Late Antique glass groups from Bubastis, northern Egypt. <i>Journal of Archaeological Science</i> , <b>2014</b> , 49, 170-184	2.9	48
113	DIRECT EVIDENCE OF PRIMARY GLASS PRODUCTION IN LATE BRONZE AGE AMARNA, EGYPT. <i>Archaeometry</i> , <b>2011</b> , 53, 58-80	1.6	48

112	The production of speiss (iron arsenide) during the Early Bronze Age in Iran. <i>Journal of Archaeological Science</i> , <b>2009</b> , 36, 308-316	2.9	48
111	Variability in single smelting episodes â pilot study using iron slag from Uganda. <i>Journal of Archaeological Science</i> , <b>2009</b> , 36, 359-369	2.9	47
110	The Provenance, Use, and Circulation of Metals in the European Bronze Age: The State of Debate. <i>Journal of Archaeological Research</i> , <b>2019</b> , 27, 131-185	4.4	45
109	POST-MEDIEVAL CRUCIBLE PRODUCTION AND DISTRIBUTION: A STUDY OF MATERIALS AND MATERIALITIES*. <i>Archaeometry</i> , <b>2009</b> , 51, 49-74	1.6	43
108	Mullite and the mystery of Hessian wares. <i>Nature</i> , <b>2006</b> , 444, 437-8	50.4	42
107	Interactions between silicate and salt melts in LBA glassmaking. <i>Journal of Archaeological Science</i> , <b>2008</b> , 35, 2566-2573	2.9	39
106	Small Size, Large Scale Roman Brass Production in Germania Inferior. <i>Journal of Archaeological Science</i> , <b>1999</b> , 26, 1083-1087	2.9	39
105	Computer vision, archaeological classification and China's terracotta warriors. <i>Journal of Archaeological Science</i> , <b>2014</b> , 49, 249-254	2.9	37
104	Shades of blue â cobalt-copper coloured blue glass from New Kingdom Egypt and the Mycenaean world: a matter of production or colourant source?. <i>Journal of Archaeological Science</i> , <b>2013</b> , 40, 4731-4743	2.9	37
103	Refining gold with glass â an early Islamic technology at Tadmekka, Mali. <i>Journal of Archaeological Science</i> , <b>2014</b> , 49, 33-41	2.9	36
102	Isotopic and technological variation in prehistoric Southeast Asian primary copper production. <i>Journal of Archaeological Science</i> , <b>2011</b> , 38, 3309-3322	2.9	35
101	Chemical analysis of glass beads from Igbo Olokun, Ile-Ife (SW Nigeria): New light on raw materials, production, and interregional interactions. <i>Journal of Archaeological Science</i> , <b>2018</b> , 90, 92-105	2.9	34
100	Forty Thousand Arms for a Single Emperor: From Chemical Data to the Labor Organization Behind the Bronze Arrows of the Terracotta Army. <i>Journal of Archaeological Method and Theory</i> , <b>2014</b> , 21, 534-562	2.8	34
99	The Production of Leadâin Yellow at Merovingian Schleithem (Switzerland)*. <i>Archaeometry</i> , <b>2003</b> , 45, 33-44	1.6	34
98	CHARACTERIZATION AND PROVENANCE OF LATE ANTIQUE WINDOW GLASS FROM THE PETRA CHURCH IN JORDAN*. <i>Archaeometry</i> , <b>2008</b> , 50, 627-642	1.6	33
97	Mass-Produced Mullite Crucibles in Medieval Europe: Manufacture and Material Properties. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 2071-2074	3.8	33
96	The earliest high-fired glazed ceramics in China: the composition of the proto-porcelain from Zhejiang during the Shang and Zhou periods (c. 1700â21 BC). <i>Journal of Archaeological Science</i> , <b>2011</b> , 38, 2352-2365	2.9	31
95	New light on the early Islamic West African gold trade: coin moulds from Tadmekka, Mali. <i>Antiquity</i> , <b>2011</b> , 85, 1353-1368	1	31

94	A (not so) dangerous method: pXRF vs. EPMA-WDS analyses of copper-based artefacts. <i>Archaeological and Anthropological Sciences</i> , <b>2015</b> , 7, 387-397	1.8	30
93	Paint It Black: The Rise of Metallurgy in the Balkans. <i>Journal of Archaeological Method and Theory</i> , <b>2016</b> , 23, 200-237	2.8	29
92	A truly refractory crucible from fourth millennium Tepe Hissar, Northeast Iran. <i>Journal of Archaeological Science</i> , <b>2009</b> , 36, 2700-2712	2.9	29
91	RAMESSIDE GLASS-COLOURING CRUCIBLES*. <i>Archaeometry</i> , <b>1997</b> , 39, 355-368	1.6	28
90	Copper for the Pharaoh: Identifying multiple metal sources for Ramesses' workshops from bronze and crucible remains. <i>Journal of Archaeological Science</i> , <b>2017</b> , 80, 50-73	2.9	27
89	Analysis of glass from the post-Roman settlement Tonovcov grad (Slovenia) by PIXE and LA-ICP-MS. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2013</b> , 311, 53-59	1.2	27
88	Special alloys from remote frontiers of the Shang Kingdom: scientific study of the Hanzhong bronzes from southwest Shaanxi, China. <i>Journal of Archaeological Science</i> , <b>2009</b> , 36, 2108-2118	2.9	27
87	Metals, microanalysis and meaning: a study of metal objects excavated from the indigenous cemetery of El Chorro de Mañá, Cuba. <i>Journal of Archaeological Science</i> , <b>2007</b> , 34, 194-204	2.9	25
86	Identification of iron oxide impurities in earliest industrial-scale processed platinum. <i>Materials Characterization</i> , <b>2004</b> , 53, 63-70	3.9	25
85	The use of technical ceramics in early Egyptian glass-making. <i>Journal of Archaeological Science</i> , <b>2016</b> , 67, 52-63	2.9	24
84	Direct evidence of 1,900 years of indigenous silver production in the Lake Titicaca Basin of Southern Peru. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 17280-3	11.5	23
83	Technical Ceramics <b>2014</b> , 107-131		23
82	High-boron and High-alumina Middle Byzantine (10th-12th Century ce) Glass Bracelets: A Western Anatolian Glass Industry. <i>Archaeometry</i> , <b>2018</b> , 60, 207-232	1.6	22
81	Lisht as a New Kingdom Glass-Making Site with Its Own Chemical Signature. <i>Archaeometry</i> , <b>2018</b> , 60, 502-516	1.6	22
80	Characterization of an iron smelting slag from Zimbabwe by Raman microscopy and electron beam analysis. <i>Journal of Raman Spectroscopy</i> , <b>2011</b> , 42, 2077-2084	2.3	22
79	Compositional identification of 6th c. AD glass from the Lower Danube. <i>Journal of Archaeological Science: Reports</i> , <b>2016</b> , 7, 625-632	0.7	20
78	New Kingdom Glass-Melting Crucibles from Qantir-Piramesses. <i>Journal of Egyptian Archaeology</i> , <b>1997</b> , 83, 127-141	0.2	20
77	The Glass Making Crucibles from Ile-Ife, SW Nigeria. <i>Journal of African Archaeology</i> , <b>2018</b> , 16, 31-59	0.8	20

76	Iron smelting in pre-colonial Zimbabwe: evidence for diachronic change from Swart Village and Baranda, northern Zimbabwe. <i>Journal of African Archaeology</i> , <b>2006</b> , 4, 37-54	0.8	19
75	Ores, Furnaces, Slags, and Prehistoric Societies: Aspects of Iron Working in the Nyanga Agricultural Complex, AD 1300-1900. <i>African Archaeological Review</i> , <b>2004</b> , 21, 135-152	0.9	17
74	COMMENTS I. <i>Archaeometry</i> , <b>2003</b> , 45, 185-190	1.6	17
73	Ice-core evidence of earliest extensive copper metallurgy in the Andes 2700 years ago. <i>Scientific Reports</i> , <b>2017</b> , 7, 41855	4.9	16
72	Did China Import Metals from Africa in the Bronze Age?. <i>Archaeometry</i> , <b>2018</b> , 60, 105-117	1.6	16
71	Large-scale 2nd to 3rd century AD bloomery iron smelting in Korea. <i>Journal of Archaeological Science</i> , <b>2011</b> , 38, 1180-1190	2.9	16
70	Cupel and crucible: the refining of debased silver in the Colonia Ulpia Traiana, Xanten. <i>Journal of Roman Archaeology</i> , <b>1999</b> , 12, 263-272	0	16
69	Copper processing in the oases of northwest Arabia: technology, alloys and provenance. <i>Journal of Archaeological Science</i> , <b>2015</b> , 53, 492-503	2.9	15
68	Repealing the Italian extractive metallurgy: The green, the fire and the slag. <i>Journal of Archaeological Science</i> , <b>2017</b> , 86, 101-122	2.9	15
67	The Late Antique glass furnaces in the Hambach Forest were working glass - not making it. <i>Journal of Archaeological Science: Reports</i> , <b>2020</b> , 29, 102072	0.7	15
66	Crossbows and imperial craft organisation: the bronze triggers of China's Terracotta Army. <i>Antiquity</i> , <b>2014</b> , 88, 126-140	1	14
65	MATERIAL CHARACTERIZATION OF CERAMIC TILE MOSAIC FROM TWO 17TH-CENTURY ISLAMIC MONUMENTS IN NORTHERN INDIA. <i>Archaeometry</i> , <b>2011</b> , 53, 22-36	1.6	13
64	Early metal smelting in Aksum, Ethiopia: copper or iron?. <i>European Journal of Mineralogy</i> , <b>2011</b> , 23, 981-992		13
63	Hanzhong bronzes and highly radiogenic lead in Shang period China. <i>Journal of Archaeological Science</i> , <b>2019</b> , 101, 131-139	2.9	13
62	When ceramic sociology meets material science: Sociological and technological aspects of crucibles and pottery from Mapungubwe, southern Africa. <i>Journal of Anthropological Archaeology</i> , <b>2015</b> , 40, 23-32 <sup>1-9</sup>	1.9	12
61	Seeing the forest for the trees: Assessing technological variability in ancient metallurgical crucible assemblages. <i>Journal of Archaeological Science: Reports</i> , <b>2016</b> , 7, 588-596	0.7	12
60	Melt formation in lime-rich proto-porcelain glazes. <i>Journal of Archaeological Science</i> , <b>2012</b> , 39, 2969-2983.	0.9	12
59	Western technical traditions of pottery making in Tang Dynasty China: chemical evidence from the Liquanfang Kiln site, Xi'an city. <i>Journal of Archaeological Science</i> , <b>2010</b> , 37, 1502-1509	2.9	12

58	New Kingdom Glass-Melting Crucibles from Qantir-Piramesses. <i>Journal of Egyptian Archaeology</i> , <b>1997</b> , 83, 127	0.2	12
57	Bullion production in imperial China and its significance for sulphide ore smelting world-wide. <i>Journal of Archaeological Science</i> , <b>2015</b> , 55, 151-165	2.9	11
56	The use of metal threads and decorations in Byzantine-Greek Orthodox ecclesiastical textiles. <i>Jom</i> , <b>2006</b> , 58, 34-37	2.1	11
55	Indigenous production and interregional exchange: late second-millennium BC bronzes from the Hanzhong basin, China. <i>Antiquity</i> , <b>2016</b> , 90, 665-678	1	11
54	Forty years and still growing: Journal of Archaeological Science looks to the future. <i>Journal of Archaeological Science</i> , <b>2015</b> , 56, 1-8	2.9	10
53	Metallurgical traditions and metal exchange networks in late prehistoric central Myanmar, c. 1000 BC to c. AD 500. <i>Archaeological and Anthropological Sciences</i> , <b>2018</b> , 10, 1087-1109	1.8	10
52	Early copper smelting at Itziparitzico, Mexico. <i>Journal of Archaeological Science</i> , <b>2009</b> , 36, 1998-2006	2.9	10
51	A Chalcolithic Error: Rebuttal to Amzallag 2009. <i>American Journal of Archaeology</i> , <b>2010</b> , 114, 305-315	0.5	10
50	Some problems and potentials of the study of cupellation remains: the case of post-medieval Montbliard, France. <i>ArcheoSciences</i> , <b>2008</b> , 59-70	0.1	10
49	The beginning of faience in China: A review and new evidence. <i>Journal of Archaeological Science</i> , <b>2019</b> , 105, 97-115	2.9	9
48	Pyrotechnological connections? Re-investigating the link between pottery firing technology and the origins of metallurgy in the Vinča Culture, Serbia. <i>Journal of Archaeological Science</i> , <b>2020</b> , 118, 105123	2.9	9
47	The Composition of Gold from the Ancient Mining District of Verespatak/Roşia Montană Romania <b>1995</b> , 369-381		9
46	Litharge from Laurion. A medical and metallurgical commodity from South Attika. <i>L'antiquité Classique</i> , <b>1999</b> , 68, 299-308		8
45	In-situ examination and analysis of the gold jewellery from the Phoenician tomb of Kition (Cyprus). <i>ArcheoSciences</i> , <b>2009</b> , 151-158	0.1	8
44	Composition and production of late antique glass bowls type Helle. <i>Journal of Archaeological Science: Reports</i> , <b>2015</b> , 3, 171-180	0.7	7
43	Tradition and indigeneity in Mughal architectural glazed tiles. <i>Journal of Archaeological Science</i> , <b>2014</b> , 49, 546-555	2.9	7
42	FOURTH MILLENNIUM BC SILVER FROM TELL ESH-SHUNA, JORDAN: ARCHAEOLOGICAL INVESTIGATION AND SOME THOUGHTS ON CERAMIC SKEUOMORPHS. <i>Oxford Journal of Archaeology</i> , <b>1996</b> , 15, 129-150	0.3	7
41	Persian Pulch Production: Chahak Tradition. <i>Journal of Islamic Archaeology</i> , <b>2015</b> , 1, 231-261	0.7	7

40	The Emergence of Complex Silver Metallurgy in the Americas: A Case Study from the Lake Titicaca Basin of Southern Peru. <i>Cambridge Archaeological Journal</i> , <b>2016</b> , 26, 53-64	0.8	7
39	Lead isotope and metal source of Shang bronzes: a response to Sun et al. <i>Archaeometry</i> , <b>2018</b> , 60, 1040-1044	1.6	6
38	Surface chromium on Terracotta Army bronze weapons is neither an ancient anti-rust treatment nor the reason for their good preservation. <i>Scientific Reports</i> , <b>2019</b> , 9, 5289	4.9	5
37	New evidence for the transcontinental spread of early faience. <i>Journal of Archaeological Science</i> , <b>2020</b> , 116, 105093	2.9	5
36	Bronze metallurgy in the Late Phrygian settlement of Gordion, Turkey. <i>Archaeological and Anthropological Sciences</i> , <b>2018</b> , 10, 1645-1672	1.8	5
35	The Intentional Use of Lead in Orange in Indian Islamic Glazes and Its Preliminary Characterization. <i>Archaeometry</i> , <b>2014</b> , 56, 1009-1023	1.6	5
34	Compositional observations for Islamic Glass from Sīfī, Iran, in the Corning Museum of Glass collection. <i>Journal of Archaeological Science: Reports</i> , <b>2017</b> , 16, 102-116	0.7	4
33	Kastro Palaia settlement, Volos, Greece: a diachronical technological approach to bronze metalwork. <i>Science and Technology of Archaeological Research</i> , <b>2017</b> , 3, 179-193	1.2	4
32	Report on the First Iranian Prehistoric Slag Workshop. <i>Iran</i> , <b>2007</b> , 45, 315-318	0.2	4
31	The Minting of Platinum Roubles. <i>Platinum Metals Review</i> , <b>2006</b> , 50, 120-129		4
30	Pattern in Glass Use in the Roman and Byzantine Worlds: A Report on Current Research at the Institute of Archaeology and UCL Qatar. <i>Archaeology International UCL, Institute of Archaeology</i> ,	0.4	4
29	Glas für den Pharao – Glasherstellung in der Spätbronzezeit des Nahen Ostens <b>2007</b> , 215-235		4
28	A Technology of Multiple Smelting Furnaces per Termite Mound: Iron Production in Chongwe, Lusaka, Zambia. <i>Journal of African Archaeology</i> , <b>2020</b> , 18, 67-85	0.8	4
27	Context is everything indeed: a response to Tjivjar and Bori. <i>Antiquity</i> , <b>2014</b> , 88, 1315-1319	1	3
26	Semi-finished glass from Ile-Ife, Nigeria: implications for the archaeology of glass in sub-Saharan Africa. <i>Antiquity</i> , <b>2020</b> , 94,	1	3
25	Cultural Heritage Career Paths for Materials Scientists and Corrosion Engineers. <i>Advances in Chemical and Materials Engineering Book Series</i> , <b>2015</b> , 349-368	0.2	2
24	The Production of Silver in South America. <i>Archaeology International UCL, Institute of Archaeology</i> , <b>2011</b> , 13,	0.4	2
23	The beginning of glazed ware production in late medieval Cyprus. <i>Journal of Archaeological Science: Reports</i> , <b>2019</b> , 27, 101963	0.7	1

22	Coal-fuelled crucible lead-silver smelting in 12th-13th century China: A technological innovation in the age of deforestation. <i>Journal of Archaeological Science</i> , <b>2019</b> , 104, 75-84	2.9	1
21	METALS   Primary Production Studies of <b>2008</b> , 1616-1620		1
20	Scientific Analysis of Metal Objects and Metallurgical Remains from Kastri, Kythera1. <i>Annual of the British School at Athens</i> , <b>2007</b> , 102, 219-238	0.2	1
19	The Origin of Glass and the First Glass Industries <b>2021</b> , 3-20		1
18	Making Weapons for the Terracotta Army. <i>Archaeology International UCL, Institute of Archaeology</i> , <b>2011</b> , 13,	0.4	1
17	Egyptian Middle Kingdom copper: Analysis of a crucible from Buhen in the Petrie Museum. <i>Journal of Archaeological Science: Reports</i> , <b>2021</b> , 36, 102859	0.7	1
16	The philosophers and the crucibles. New data on the 17th-18th century remains from the Old Ashmolean laboratory, Oxford. <i>Journal of Archaeological Science: Reports</i> , <b>2021</b> , 35, 102684	0.7	1
15	Chromium crucible steel was first made in Persia. <i>Journal of Archaeological Science</i> , <b>2021</b> , 127, 105224	2.9	1
14	An early Byzantine glass workshop at Argyroupolis, Crete: Insights into complex glass supply networks. <i>Journal of Archaeological Science: Reports</i> , <b>2021</b> , 35, 102766	0.7	1
13	Three Millennia of Egyptian Glassmaking <b>2020</b> , 423-450		0
12	Micro-slag and "invisible" copper processing activities at a Middle-Shang period (14th-13th century BC) bronze casting workshop. <i>Journal of Archaeological Science</i> , <b>2020</b> , 122, 105222	2.9	0
11	A journey of over 200 years: early studies on wootz ingots and new evidence from Konasamudram, India. <i>Advances in Archaeomaterials</i> , <b>2021</b> , 2, 15-23	1	0
10	Testing the New World: early modern chemistry and mineral prospection at colonial Jamestown, 1607-1610. <i>Archaeological and Anthropological Sciences</i> , <b>2019</b> , 11, 6851-6864	1.8	0
9	An analytical evaluation of historic glazed tiles from Makli and Lahore, Pakistan. <i>Journal of Archaeological Science: Reports</i> , <b>2017</b> , 16, 266-275	0.7	
8	Archaeometric (isotopic) studies on glass and glazes - PATRICK DEGRYSE, JULIAN HENDERSON and GREG HODGINS (edd.), ISOTOPES IN VITREOUS MATERIALS (Studies in Archaeological Sciences 1; Leuven University Press 2010). Pp. 163, figs. 35. ISBN 978 90 5867 690 0. \$96.. <i>Journal of Roman Archaeology</i> , <b>2012</b> , 25, 927-930		0
7	METALS   Chemical Analysis <b>2008</b> , 1614-1616		
6	Archaeological Copper Smelting at Itziparizico, Michoacan, Mexico. <i>Materials Research Society Symposia Proceedings</i> , <b>2004</b> , 838, 235		
5	Archaeometallurgy "an island?". <i>Antiquity</i> , <b>2000</b> , 74, 964-967		1



- 4 POST-MEDIEVAL CRUCIBLE PRODUCTION AND DISTRIBUTION: A STUDY OF MATERIALS AND MATERIALITIES. *Archaeometry*, **2008**, 080306042133910-???
- 3 Cultural Heritage Career Paths for Materials Scientists and Corrosion Engineers **2017**, 1558-1577
- 2 On the soldering techniques of gold objects from the Boma site, Xinjiang, China. *Journal of Archaeological Science: Reports*, **2020**, 33, 102572
- 1 The origins and evolution of Cypriot glazed ware productions during the thirteenth to seventeenth centuries CE. *Archaeological and Anthropological Sciences*, **2021**, 13, 1