Thilo Rehren

List of Publications by Year in Descending Order

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	The Origin of Glass and the First Glass Industries **2021**, 3-20		1
128	Egyptian Middle Kingdom copper: Analysis of a crucible from Buhen in the Petrie Museum. *Journal of Archaeological Science: Reports*, **2021**, 36, 102859	0.7	1
127	A journey of over 200 years: early studies on wootz ingots and new evidence from Konasamudram, India. *Advances in Archaeomaterials*, **2021**, 2, 15-23	1	0
126	The philosophers and the crucibles. New data on the 17thâ18th century remains from the Old Ashmolean laboratory, Oxford. *Journal of Archaeological Science: Reports*, **2021**, 35, 102684	0.7	1
125	Chromium crucible steel was first made in Persia. *Journal of Archaeological Science*, **2021**, 127, 105224	2.9	1
124	The origins and evolution of Cypriot glazed ware productions during the thirteenth to seventeenth centuries CE. *Archaeological and Anthropological Sciences*, **2021**, 13, 1	1.8	
123	An early Byzantine glass workshop at Argyroupolis, Crete: Insights into complex glass supply networks. *Journal of Archaeological Science: Reports*, **2021**, 35, 102766	0.7	1
122	New evidence for the transcontinental spread of early faience. *Journal of Archaeological Science*, **2020**, 116, 105093	2.9	5
121	Pyrotechnological connections? Re-investigating the link between pottery firing technology and the origins of metallurgy in the Vin Culture, Serbia. *Journal of Archaeological Science*, **2020**, 118, 105123	2.9	9
120	The Late Antique glass furnaces in the Hambach Forest were working glass - not making it. *Journal of Archaeological Science: Reports*, **2020**, 29, 102072	0.7	15
119	Semi-finished glass from Ile-Ife, Nigeria: implications for the archaeology of glass in sub-Saharan Africa. *Antiquity*, **2020**, 94,	1	3
118	On the soldering techniques of gold objects from the Boma site, Xinjiang, China. *Journal of Archaeological Science: Reports*, **2020**, 33, 102572	0.7	
117	Three Millennia of Egyptian Glassmaking **2020**, 423-450		0
116	A Technology of Multiple Smelting Furnaces per Termite Mound: Iron Production in Chongwe, Lusaka, Zambia. *Journal of African Archaeology*, **2020**, 18, 67-85	0.8	4
115	Micro-slag and âinvisibleâcopper processing activities at a Middle-Shang period (14th-13th century BC) bronze casting workshop. *Journal of Archaeological Science*, **2020**, 122, 105222	2.9	0
114	The beginning of glazed ware production in late medieval Cyprus. *Journal of Archaeological Science: Reports*, **2019**, 27, 101963	0.7	1
113	Coal-fuelled crucible lead-silver smelting in 12th-13th century China: A technological innovation in the age of deforestation. *Journal of Archaeological Science*, **2019**, 104, 75-84	2.9	1

112	The beginning of faience in China: A review and new evidence. *Journal of Archaeological Science*, **2019**, 105, 97-115	2.9	9
111	Surface chromium on Terracotta Army bronze weapons is neither an ancient anti-rust treatment nor the reason for their good preservation. *Scientific Reports*, **2019**, 9, 5289	4.9	5
110	The Provenance, Use, and Circulation of Metals in the European Bronze Age: The State of Debate. *Journal of Archaeological Research*, **2019**, 27, 131-185	4.4	45
109	Testing the New World: early modern chemistry and mineral prospection at colonial Jamestown, 1607â1610. *Archaeological and Anthropological Sciences*, **2019**, 11, 6851-6864	1.8	0
108	Hanzhong bronzes and highly radiogenic lead in Shang period China. *Journal of Archaeological Science*, **2019**, 101, 131-139	2.9	13
107	Did China Import Metals from Africa in the Bronze Age?. *Archaeometry*, **2018**, 60, 105-117	1.6	16
106	Chemical analysis of glass beads from Igbo Olokun, Ile-Ife (SW Nigeria): New light on raw materials, production, and interregional interactions. *Journal of Archaeological Science*, **2018**, 90, 92-105	2.9	34
105	Bronze metallurgy in the Late Phrygian settlement of Gordion, Turkey. *Archaeological and Anthropological Sciences*, **2018**, 10, 1645-1672	1.8	5
104	High-boron and High-alumina Middle Byzantine (10thâ12th Century ce) Glass Bracelets: A Western Anatolian Glass Industry. *Archaeometry*, **2018**, 60, 207-232	1.6	22
103	Metallurgical traditions and metal exchange networks in late prehistoric central Myanmar, c. 1000 BC to c. AD 500. *Archaeological and Anthropological Sciences*, **2018**, 10, 1087-1109	1.8	10
102	Lisht as a New Kingdom Glass-Making Site with Its Own Chemical Signature. *Archaeometry*, **2018**, 60, 502-516	1.6	22
101	Lead isotope and metal source of Shang bronzes: a response to Sun et al.â comments. *Archaeometry*, **2018**, 60, 1040-1044	1.6	6
100	The Glass Making Crucibles from Ile-Ife, SW Nigeria. *Journal of African Archaeology*, **2018**, 16, 31-59	0.8	20
99	Ice-core evidence of earliest extensive copper metallurgy in the Andes 2700 years ago. *Scientific Reports*, **2017**, 7, 41855	4.9	16
98	Copper for the Pharaoh: Identifying multiple metal sources for Ramesses' workshops from bronze and crucible remains. *Journal of Archaeological Science*, **2017**, 80, 50-73	2.9	27
97	Ile-Ife and Igbo Olokun in the history of glass in West Africa. *Antiquity*, **2017**, 91, 732-750	1	52
96	Compositional observations for Islamic Glass from S, Iran, in the Corning Museum of Glass collection. *Journal of Archaeological Science: Reports*, **2017**, 16, 102-116	0.7	4
95	An analytical evaluation of historic glazed tiles from Makli and Lahore, Pakistan. *Journal of Archaeological Science: Reports*, **2017**, 16, 266-275	0.7	

94	Repealing the ‘talh’: extractive metallurgy: The green, the fire and the ‘slag’. *Journal of Archaeological Science*, **2017**, 86, 101-122	2.9	15
93	Kastro Palaia settlement, Volos, Greece: a diachronical technological approach to bronze metalwork. *Science and Technology of Archaeological Research*, **2017**, 3, 179-193	1.2	4
92	Cultural Heritage Career Paths for Materials Scientists and Corrosion Engineers **2017**, 1558-1577		
91	Seeing the forest for the trees: Assessing technological variability in ancient metallurgical crucible assemblages. *Journal of Archaeological Science: Reports*, **2016**, 7, 588-596	0.7	12
90	The use of technical ceramics in early Egyptian glass-making. *Journal of Archaeological Science*, **2016**, 67, 52-63	2.9	24
89	Paint It Black: The Rise of Metallurgy in the Balkans. *Journal of Archaeological Method and Theory*, **2016**, 23, 200-237	2.8	29
88	Compositional identification of 6th c. AD glass from the Lower Danube. *Journal of Archaeological Science: Reports*, **2016**, 7, 625-632	0.7	20
87	Indigenous production and interregional exchange: late second-millennium BC bronzes from the Hanzhong basin, China. *Antiquity*, **2016**, 90, 665-678	1	11
86	The Emergence of Complex Silver Metallurgy in the Americas: A Case Study from the Lake Titicaca Basin of Southern Peru. *Cambridge Archaeological Journal*, **2016**, 26, 53-64	0.8	7
85	Ancient glass: from kaleidoscope to crystal ball. *Journal of Archaeological Science*, **2015**, 56, 233-241	2.9	70
84	Composition and production of late antique glass bowls type Helle. *Journal of Archaeological Science: Reports*, **2015**, 3, 171-180	0.7	7
83	Copper processing in the oases of northwest Arabia: technology, alloys and provenance. *Journal of Archaeological Science*, **2015**, 53, 492-503	2.9	15
82	Forty years and still growing: Journal of Archaeological Science looks to the future. *Journal of Archaeological Science*, **2015**, 56, 1-8	2.9	10
81	When ceramic sociology meets material science: Sociological and technological aspects of crucibles and pottery from Mapungubwe, southern Africa. *Journal of Anthropological Archaeology*, **2015**, 40, 23-32	1.9	12
80	A (not so) dangerous method: pXRF vs. EPMA-WDS analyses of copper-based artefacts. *Archaeological and Anthropological Sciences*, **2015**, 7, 387-397	1.8	30
79	Changes in glass consumption in Pergamon (Turkey) from Hellenistic to late Byzantine and Islamic times. *Journal of Archaeological Science*, **2015**, 55, 266-279	2.9	49
78	Bullion production in imperial China and its significance for sulphide ore smelting world-wide. *Journal of Archaeological Science*, **2015**, 55, 151-165	2.9	11
77	Persian Pul Production: Ch ak Tradition. *Journal of Islamic Archaeology*, **2015**, 1, 231-261	0.7	7

76	Cultural Heritage Career Paths for Materials Scientists and Corrosion Engineers. *Advances in Chemical and Materials Engineering Book Series*, **2015**, 349-368	0.2	2
75	Tradition and indigeneity in Mughal architectural glazed tiles. *Journal of Archaeological Science*, **2014**, 49, 546-555	2.9	7
74	Refining gold with glass â an early Islamic technology at Tadmekka, Mali. *Journal of Archaeological Science*, **2014**, 49, 33-41	2.9	36
73	Computer vision, archaeological classification and China's terracotta warriors. *Journal of Archaeological Science*, **2014**, 49, 249-254	2.9	37
72	Context is everything indeed: a response to Ljivar and Bori *Antiquity*, **2014**, 88, 1315-1319	1	3
71	Crossbows and imperial craft organisation: the bronze triggers of China's Terracotta Army. *Antiquity*, **2014**, 88, 126-140	1	14
70	The Intentional Use of Leadâin Orange in Indian Islamic Glazes and Its Preliminary Characterization. *Archaeometry*, **2014**, 56, 1009-1023	1.6	5
69	Herding cats â Roman to Late Antique glass groups from Bubastis, northern Egypt. *Journal of Archaeological Science*, **2014**, 49, 170-184	2.9	48
68	Forty Thousand Arms for a Single Emperor: From Chemical Data to the Labor Organization Behind the Bronze Arrows of the Terracotta Army. *Journal of Archaeological Method and Theory*, **2014**, 21, 534-562	2.8	34
67	Technical Ceramics **2014**, 107-131		23
66	Shades of blue â cobalt-copper coloured blue glass from New Kingdom Egypt and the Mycenaean world: a matter of production or colourant source?. *Journal of Archaeological Science*, **2013**, 40, 4731-4743	2.9	37
65	5,000 years old Egyptian iron beads made from hammered meteoritic iron. *Journal of Archaeological Science*, **2013**, 40, 4785-4792	2.9	51
64	Analysis of glass from the post-Roman settlement Tonovcov grad (Slovenia) by PIXEâPIGE and LA-ICP-MS. *Nuclear Instruments & Methods in Physics Research B*, **2013**, 311, 53-59	1.2	27
63	Tainted ores and the rise of tin bronzes in Eurasia, c. 6500 years ago. *Antiquity*, **2013**, 87, 1030-1045	1	50
62	Large scale smelting of speiss and arsenical copper at Early Bronze Age Arisman, Iran. *Journal of Archaeological Science*, **2012**, 39, 1717-1727	2.9	51
61	Melt formation in lime-rich proto-porcelain glazes. *Journal of Archaeological Science*, **2012**, 39, 2969-2983	2.9	12
60	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.. *Journal of Roman Archaeology*, **2012**, 25, 927-930	0	
59	Large-scale 2nd to 3rd century AD bloomery iron smelting in Korea. *Journal of Archaeological Science*, **2011**, 38, 1180-1190	2.9	16

58	The earliest high-fired glazed ceramics in China: the composition of the proto-porcelain from Zhejiang during the Shang and Zhou periods (c. 1700â221 BC). *Journal of Archaeological Science*, **2011**, 38, 2352-2365	2.9	31
57	Isotopic and technological variation in prehistoric Southeast Asian primary copper production. *Journal of Archaeological Science*, **2011**, 38, 3309-3322	2.9	35
56	DIRECT EVIDENCE OF PRIMARY GLASS PRODUCTION IN LATE BRONZE AGE AMARNA, EGYPT. *Archaeometry*, **2011**, 53, 58-80	1.6	48
55	MATERIAL CHARACTERIZATION OF CERAMIC TILE MOSAIC FROM TWO 17TH-CENTURY ISLAMIC MONUMENTS IN NORTHERN INDIA. *Archaeometry*, **2011**, 53, 22-36	1.6	13
54	Characterization of an iron smelting slag from Zimbabwe by Raman microscopy and electron beam analysis. *Journal of Raman Spectroscopy*, **2011**, 42, 2077-2084	2.3	22
53	New light on the early Islamic West African gold trade: coin moulds from Tadmekka, Mali. *Antiquity*, **2011**, 85, 1353-1368	1	31
52	Early metal smelting in Aksum, Ethiopia: copper or iron?. *European Journal of Mineralogy*, **2011**, 23, 981-992	2.2	13
51	Making Weapons for the Terracotta Army. *Archaeology International UCL, Institute of Archaeology*, **2011**, 13,	0.4	1
50	The Production of Silver in South America. *Archaeology International UCL, Institute of Archaeology*, **2011**, 13,	0.4	2
49	Explaining the evolution of ironmaking recipes â An example from northwest Wales. *Journal of Anthropological Archaeology*, **2010**, 29, 352-367	1.9	66
48	Western technical traditions of pottery making in Tang Dynasty China: chemical evidence from the Liquanfang Kiln site, Xi'an city. *Journal of Archaeological Science*, **2010**, 37, 1502-1509	2.9	12
47	On the origins of extractive metallurgy: new evidence from Europe. *Journal of Archaeological Science*, **2010**, 37, 2775-2787	2.9	152
46	Prehistoric copper production and technological reproduction in the Khao Wong Prachan Valley of Central Thailand. *Archaeological and Anthropological Sciences*, **2010**, 2, 237-264	1.8	55
45	A Chalcolithic Error: Rebuttal to Amzallag 2009. *American Journal of Archaeology*, **2010**, 114, 305-315	0.5	10
44	Direct evidence of 1,900 years of indigenous silver production in the Lake Titicaca Basin of Southern Peru. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 17280-3	11.5	23
43	POST-MEDIEVAL CRUCIBLE PRODUCTION AND DISTRIBUTION: A STUDY OF MATERIALS AND MATERIALITIES*. *Archaeometry*, **2009**, 51, 49-74	1.6	43
42	The production of speiss (iron arsenide) during the Early Bronze Age in Iran. *Journal of Archaeological Science*, **2009**, 36, 308-316	2.9	48
41	Variability in single smelting episodes â a pilot study using iron slag from Uganda. *Journal of Archaeological Science*, **2009**, 36, 359-369	2.9	47

40	Special alloys from remote frontiers of the Shang Kingdom: scientific study of the Hanzhong bronzes from southwest Shaanxi, China. *Journal of Archaeological Science*, **2009**, 36, 2108-2118	2.9	27
39	Early copper smelting at Itziparï¿½zico, Mexico. *Journal of Archaeological Science*, **2009**, 36, 1998-2006	2.9	10
38	A truly refractory crucible from fourth millennium Tepe Hissar, Northeast Iran. *Journal of Archaeological Science*, **2009**, 36, 2700-2712	2.9	29
37	In-situ examination and analysis of the gold jewellery from the Phoenician tomb of Kition (Cyprus). *ArcheoSciences*, **2009**, 151-158	0.1	8
36	CHARACTERIZATION AND PROVENANCE OF LATE ANTIQUE WINDOW GLASS FROM THE PETRA CHURCH IN JORDAN*. *Archaeometry*, **2008**, 50, 627-642	1.6	33
35	COINS, ARTEFACTS AND ISOTOPESâ€ARCHAEOMETALLURGY AND ARCHAEOMETRY*. *Archaeometry*, **2008**, 50, 232-248	1.6	58
34	A review of factors affecting the composition of early Egyptian glasses and faience: alkali and alkali earth oxides. *Journal of Archaeological Science*, **2008**, 35, 1345-1354	2.9	63
33	Interactions between silicate and salt melts in LBA glassmaking. *Journal of Archaeological Science*, **2008**, 35, 2566-2573	2.9	39
32	METALS | Primary Production Studies of **2008**, 1616-1620		1
31	METALS | Chemical Analysis **2008**, 1614-1616		
30	Mass-Produced Mullite Crucibles in Medieval Europe: Manufacture and Material Properties. *Journal of the American Ceramic Society*, **2008**, 91, 2071-2074	3.8	33
29	Some problems and potentials of the study of cupellation remains: the case of post-medieval Montbï¿½iard, France. *ArcheoSciences*, **2008**, 59-70	0.1	10
28	POST-MEDIEVAL CRUCIBLE PRODUCTION AND DISTRIBUTION: A STUDY OF MATERIALS AND MATERIALITIES. *Archaeometry*, **2008**, 080306042133910-???	1.6	
27	Report on the First Iranian Prehistoric Slag Workshop. *Iran*, **2007**, 45, 315-318	0.2	4
26	Scientific Analysis of Metal Objects and Metallurgical Remains from Kastri, Kythera1. *Annual of the British School at Athens*, **2007**, 102, 219-238	0.2	1
25	Metals, microanalysis and meaning: a study of metal objects excavated from the indigenous cemetery of El Chorro de Maï¿½a, Cuba. *Journal of Archaeological Science*, **2007**, 34, 194-204	2.9	25
24	Glas fï¿½ den Pharao â€Glasherstellung in der Spï¿½bronzezeit des Nahen Ostens **2007**, 215-235		4
23	The use of metal threads and decorations in Byzantine-Greek Orthodox ecclesiastical textiles. *Jom*, **2006**, 58, 34-37	2.1	11

22	The Minting of Platinum Roubles. *Platinum Metals Review*, **2006**, 50, 120-129		4
21	Mullite and the mystery of Hessian wares. *Nature*, **2006**, 444, 437-8	50.4	42
20	Iron smelting in pre-colonial Zimbabwe: evidence for diachronic change from Swart Village and Baranda, northern Zimbabwe. *Journal of African Archaeology*, **2006**, 4, 37-54	0.8	19
19	Early primary glass production in southern Nigeria. *Journal of African Archaeology*, **2006**, 4, 111-138	0.8	66
18	Late Bronze Age glass production at Qantir-Piramesses, Egypt. *Science*, **2005**, 308, 1756-8	33.3	68
17	Archaeological Copper Smelting at Itziparâzico, Michoacan, Mexico. *Materials Research Society Symposia Proceedings*, **2004**, 838, 235		
16	Identification of iron oxide impurities in earliest industrial-scale processed platinum. *Materials Characterization*, **2004**, 53, 63-70	3.9	25
15	Ores, Furnaces, Slags, and Prehistoric Societies: Aspects of Iron Working in the Nyanga Agricultural Complex, AD 1300â1900. *African Archaeological Review*, **2004**, 21, 135-152	0.9	17
14	The Production of Leadâtin Yellow at Merovingian Schleitheim (Switzerland)*. *Archaeometry*, **2003**, 45, 33-44	1.6	34
13	COMMENTS I. *Archaeometry*, **2003**, 45, 185-190	1.6	17
12	Aspects of the Production of Cobalt-blue Glass in Egypt. *Archaeometry*, **2001**, 43, 483-489	1.6	52
11	Archaeometallurgy âan island?. *Antiquity*, **2000**, 74, 964-967	1	
10	Rationales in Old World Base Glass Compositions. *Journal of Archaeological Science*, **2000**, 27, 1225-1234	2.9	57
9	Cupel and crucible: the refining of debased silver in the Colonia Ulpia Traiana, Xanten. *Journal of Roman Archaeology*, **1999**, 12, 263-272	0	16
8	Small Size, Large Scale Roman Brass Production in Germania Inferior. *Journal of Archaeological Science*, **1999**, 26, 1083-1087	2.9	39
7	Litharge from Laurion. A medical and metallurgical commodity from South Attika. *Lsantiquit Classique*, **1999**, 68, 299-308		8
6	New Kingdom Glass-Melting Crucibles from Qantir-Piramesses. *Journal of Egyptian Archaeology*, **1997**, 83, 127	0.2	12
5	New Kingdom Glass-Melting Crucibles from Qantir-Piramesses. *Journal of Egyptian Archaeology*, **1997**, 83, 127-141	0.2	20

4	RAMESSIDE GLASS-COLOURING CRUCIBLES*. *Archaeometry*, **1997**, 39, 355-368	1.6	28
3	FOURTH MILLENNIUM BC SILVER FROM TELL ESH-SHUNA, JORDAN: ARCHAEOMETALLURGICAL INVESTIGATION AND SOME THOUGHTS ON CERAMIC SKEUOMORPHS. *Oxford Journal of Archaeology*, **1996**, 15, 129-150	0.3	7
2	The Composition of Gold from the Ancient Mining District of Verespatak/Roia Montan, Romania **1995**, 369-381		9
1	Pattern in Glass Use in the Roman and Byzantine Worlds: A Report on Current Research at the Institute of Archaeology and UCL Qatar. *Archaeology International UCL, Institute of Archaeology*,	0.4	4