Thilo Rehren

List of Publications by Year
in descending order

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138	3,645	109137	168136
papers	citations	35 h-index	53 g-index

147	147	147	1697
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the origins of extractive metallurgy: new evidence from Europe. Journal of Archaeological Science, 2010, 37, 2775-2787.	1.2	196
2	Ancient glass: from kaleidoscope to crystal ball. Journal of Archaeological Science, 2015, 56, 233-241.	1.2	108
3	Late Bronze Age Glass Production at Qantir-Piramesses, Egypt. Science, 2005, 308, 1756-1758.	6.0	94
4	Early primary glass production in southern Nigeria. Journal of African Archaeology, 2006, 4, 111-138.	0.3	91
5	Ile-Ife and Igbo Olokun in the history of glass in West Africa. Antiquity, 2017, 91, 732-750.	0.5	86
6	Explaining the evolution of ironmaking recipes â€“ An example from northwest Wales. Journal of Anthropological Archaeology, 2010, 29, 352-367.	0.7	82
7	The Provenance, Use, and Circulation of Metals in the European Bronze Age: The State of Debate. Journal of Archaeological Research, 2019, 27, 131-185.	1.4	82
8	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.	1.2	79
9	COINS, ARTEFACTS AND ISOTOPESâ€"ARCHAEOMETALLURGY ANDARCHAEOMETRY*. Archaeometry, 2008, 50, 232-248.	0.6	76
10	Prehistoric copper production and technological reproduction in the Khao Wong Prachan Valley of Central Thailand. Archaeological and Anthropological Sciences, 2010, 2, 237-264.	0.7	73
11	Large scale smelting of speiss and arsenical copper at Early Bronze Age Arisman, Iran. Journal of Archaeological Science, 2012, 39, 1717-1727.	1.2	72
12	Rationales in Old World Base Glass Compositions. Journal of Archaeological Science, 2000, 27, 1225-1234.	1.2	71
13	5,000 years old Egyptian iron beads made from hammered meteoritic iron. Journal of Archaeological Science, 2013, 40, 4785-4792.	1.2	71
14	Tainted ores and the rise of tin bronzes in Eurasia,c. 6500 years ago. Antiquity, 2013, 87, 1030-1045.	0.5	67
15	The production of speiss (iron arsenide) during the Early Bronze Age in Iran. Journal of Archaeological Science, 2009, 36, 308-316.	1.2	66
16	Aspects of the Production of Cobalt-blue Glass in Egypt. Archaeometry, 2001, 43, 483-489.	0.6	64
17	DIRECT EVIDENCE OF PRIMARY GLASS PRODUCTION IN LATE BRONZE AGE AMARNA, EGYPT. Archaeometry, 2011, 53, 58-80.	0.6	64
18	Changes in glass consumption in Pergamon (Turkey) from Hellenistic to late Byzantine and Islamic times. Journal of Archaeological Science, 2015, 55, 266-279.	1.2	62

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19	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.	1.2	59
20	Herding cats â€“ Roman to Late Antique glass groups from Bubastis, northern Egypt. Journal of Archaeological Science, 2014, 49, 170-184.	1.2	59
21	Chemical analysis of glass beads from Igbo Olokun, Ile-Ife (SWÂNigeria): New light on raw materials, production, and interregional interactions. Journal of Archaeological Science, 2018, 90, 92-105.	1.2	53
22	Variability in single smelting episodes â€“ a pilot study using iron slag from Uganda. Journal of Archaeological Science, 2009, 36, 359-369.	1.2	52
23	Computer vision, archaeological classification and China's terracotta warriors. Journal of Archaeological Science, 2014, 49, 249-254.	1.2	50
24	Mullite and the mystery of Hessian wares. Nature, 2006, 444, 437-438.	13.7	49
25	POSTâ€MEDIEVAL CRUCIBLE PRODUCTION AND DISTRIBUTION: A STUDY OF MATERIALS AND MATERIALITIES*. Archaeometry, 2009, 51, 49-74.	0.6	49
26	Isotopic and technological variation in prehistoric Southeast Asian primary copper production. Journal of Archaeological Science, 2011, 38, 3309-3322.	1.2	49
27	Small Size, Large Scale Roman Brass Production in Germania Inferior. Journal of Archaeological Science, 1999, 26, 1083-1087.	1.2	48
28	Interactions between silicate and salt melts in LBA glassmaking. Journal of Archaeological Science, 2008, 35, 2566-2573.	1.2	46
29	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.	1.4	43
30	Refining gold with glass â€“ an early Islamic technology at Tadmekka, Mali. Journal of Archaeological Science, 2014, 49, 33-41.	1.2	43
31	A (not so) dangerous method: pXRF vs. EPMA-WDS analyses of copper-based artefacts. Archaeological and Anthropological Sciences, 2015, 7, 387-397.	0.7	43
32	CHARACTERIZATION AND PROVENANCE OF LATE ANTIQUE WINDOW GLASS FROM THE PETRA CHURCH IN JORDAN*. Archaeometry, 2008, 50, 627-642.	0.6	42
33	The Production of Lead-Tin Yellow at Merovingian Schleitheim (Switzerland)*. Archaeometry, 2003, 45, 33-44.	0.6	41
34	Massâ€Produced Mullite Crucibles in Medieval Europe: Manufacture and Material Properties. Journal of the American Ceramic Society, 2008, 91, 2071-2074.	1.9	40
35	New light on the early Islamic West African gold trade: coin moulds from Tadmekka, Mali. Antiquity, 2011, 85, 1353-1368.	0.5	39
36	Copper for the Pharaoh: Identifying multiple metal sources for Ramesses' workshops from bronze and crucible remains. Journal of Archaeological Science, 2017, 80, 50-73.	1.2	39

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37	The earliest high-fired glazed ceramics in China: the composition of the proto-porcelain from Zhejiang during the Shang and Zhou periods (c. 1700â€“221 BC). Journal of Archaeological Science, 2011, 38, 2352-2365.	1.2	36
38	Technical Ceramics. , 2014, , 107-131.		36
39	A truly refractory crucible from fourth millennium Tepe Hissar, Northeast Iran. Journal of Archaeological Science, 2009, 36, 2700-2712.	1.2	35
40	Paint It Black: The Rise of Metallurgy in the Balkans. Journal of Archaeological Method and Theory, 2016, 23, 200-237.	1.4	35
41	RAMESSIDE GLASSâ€COLOURING CRUCIBLES*. Archaeometry, 1997, 39, 355-368.	0.6	34
42	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.	1.2	34
43	Analysis of glass from the post-Roman settlement Tonovcov grad (Slovenia) by PIXEâ€“PIGE and LA-ICP-MS. Nuclear Instruments & Methods in Physics Research B, 2013, 311, 53-59.	0.6	33
44	Metals, microanalysis and meaning: a study of metal objects excavated from the indigenous cemetery of El Chorro de MaÃta, Cuba. Journal of Archaeological Science, 2007, 34, 194-204.	1.2	31
45	Characterization of an iron smelting slag from Zimbabwe by Raman microscopy and electron beam analysis. Journal of Raman Spectroscopy, 2011, 42, 2077-2084.	1.2	30
46	Lisht as a New Kingdom Glassâ€Making Site with Its Own Chemical Signature. Archaeometry, 2018, 60, 502-516.	0.6	30
47	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, 17280-17283.	3.3	29
48	Did China Import Metals from Africa in the Bronze Age?. Archaeometry, 2018, 60, 105-117.	0.6	29
49	Highâ€boron and Highâ€alumina Middle Byzantine (10thâ€“12th Century <scp>ce</scp>) Glass Bracelets: A Western Anatolian Glass Industry. Archaeometry, 2018, 60, 207-232.	0.6	29
50	Ice-core evidence of earliest extensive copper metallurgy in the Andes 2700 years ago. Scientific Reports, 2017, 7, 41855.	1.6	28
51	The use of technical ceramics in early Egyptian glass-making. Journal of Archaeological Science, 2016, 67, 52-63.	1.2	27
52	The Glass Making Crucibles from Ile-Ife, SW Nigeria. Journal of African Archaeology, 2018, 16, 31-59.	0.3	27
53	Compositional identification of 6th c. AD glass from the Lower Danube. Journal of Archaeological Science: Reports, 2016, 7, 625-632.	0.2	26
54	New Kingdom Glass-Melting Crucibles from Qantir-Piramesses. Journal of Egyptian Archaeology, 1997, 83, 127-141.	0.2	25

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55	Identification of iron oxide impurities in earliest industrial-scale processed platinum. Materials Characterization, 2004, 53, 63-70.	1.9	25
56	Early copper smelting at ItziparÃ¡tzico, Mexico. Journal of Archaeological Science, 2009, 36, 1998-2006.	1.2	24
57	Copper processing in the oases of northwest Arabia: technology, alloys and provenance. Journal of Archaeological Science, 2015, 53, 492-503.	1.2	24
58	Hanzhong bronzes and highly radiogenic lead in Shang period China. Journal of Archaeological Science, 2019, 101, 131-139.	1.2	24
59	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.	0.3	23
60	The Late Antique glass furnaces in the Hambach Forest were working glass - not making it. Journal of Archaeological Science: Reports, 2020, 29, 102072.	0.2	22
61	Cupel and crucible: the refining of debased silver in the Colonia Ulpia Traiana, Xanten. Journal of Roman Archaeology, 1999, 12, 263-272.	0.1	21
62	Crossbows and imperial craft organisation: the bronze triggers of China's Terracotta Army. Antiquity, 2014, 88, 126-140.	0.5	20
63	Ores, Furnaces, Slags, and Prehistoric Societies: Aspects of Iron Working in the Nyanga Agricultural Complex, AD 1300â€“1900. African Archaeological Review, 2004, 21, 135-152.	0.8	19
64	Large-scale 2nd to 3rd century AD bloomery iron smelting in Korea. Journal of Archaeological Science, 2011, 38, 1180-1190.	1.2	19
65	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.	0.7	19
66	Repealing the Ã‡atalhÃ¶yÃ¼k extractive metallurgy: The green, the fire and the â€˜slagâ€™. Journal of Archaeological Science, 2017, 86, 101-122.	1.2	18
67	Pyrotechnological connections? Re-investigating the link between pottery firing technology and the origins of metallurgy in the VinÄa Culture, Serbia. Journal of Archaeological Science, 2020, 118, 105123.	1.2	18
68	COMMENTS I. Archaeometry, 2003, 45, 185-190.	0.6	17
69	ProblÃ¨mes et perspectives Ã partir de lâ€™Ã©tude des vestiges archÃ©ologiques issus de la coupellationÂ: lâ€™exemple du site de MontbÃ©liard (France). ArcheoSciences, 2008, , 59-70.	0.1	17
70	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.	0.7	16
71	The beginning of faience in China: A review and new evidence. Journal of Archaeological Science, 2019, 105, 97-115.	1.2	16
72	New evidence for the transcontinental spread of early faience. Journal of Archaeological Science, 2020, 116, 105093.	1.2	16

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73	New Kingdom Glass-Melting Crucibles from Qantir-Piramesses. Journal of Egyptian Archaeology, 1997, 83, 127.	0.2	15
74	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.	1.2	15
75	Forty years and still growing: Journal of Archaeological Science looks to the future. Journal of Archaeological Science, 2015, 56, 1-8.	1.2	15
76	Seeing the forest for the trees: Assessing technological variability in ancient metallurgical crucible assemblages. Journal of Archaeological Science: Reports, 2016, 7, 588-596.	0.2	15
77	MATERIAL CHARACTERIZATION OF CERAMIC TILE MOSAIC FROM TWO 17TH-CENTURY ISLAMIC MONUMENTS IN NORTHERN INDIA. Archaeometry, 2011, 53, 22-36.	0.6	14
78	Early metal smelting in Aksum, Ethiopia: copper or iron?. European Journal of Mineralogy, 2011, 23, 981-992.	0.4	14
79	Bullion production in imperial China and its significance for sulphide ore smelting world-wide. Journal of Archaeological Science, 2015, 55, 151-165.	1.2	14
80	Indigenous production and interregional exchange: late second-millennium BC bronzes from the Hanzhong basin, China. Antiquity, 2016, 90, 665-678.	0.5	14
81	A Chalcolithic Error: Rebuttal to Amzallag 2009. American Journal of Archaeology, 2010, 114, 305-315.	0.1	14
82	Melt formation in lime-rich proto-porcelain glazes. Journal of Archaeological Science, 2012, 39, 2969-2983.	1.2	13
83	The use of metal threads and decorations in Byzantine-Greek Orthodox ecclesiastical textiles. Jom, 2006, 58, 34-37.	0.9	12
84	Persian Pulad Production: Chahak Tradition. Journal of Islamic Archaeology, 2015, 1, 231-261.	0.0	12
85	Compositional observations for Islamic Glass from SÄ«rÄf, Iran, in the Corning Museum of Glass collection. Journal of Archaeological Science: Reports, 2017, 16, 102-116.	0.2	11
86	Lead isotope and metal source of Shang bronzes: a response to Sun et al.â€™s comments. Archaeometry, 2018, 60, 1040-1044.	0.6	11
87	The Composition of Gold from the Ancient Mining District of Verespatak/RoÅŸia MontanÄ„, Romania. , 1995, , 369-381.		11
88	In-situ examination and analysis of the gold jewellery from the Phoenician tomb of Kition (Cyprus). ArcheoSciences, 2009, , 151-158.	0.1	10
89	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	9
90	Tradition and indigeneity in Mughal architectural glazed tiles. Journal of Archaeological Science, 2014, 49, 546-555.	1.2	9

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91	Composition and production of late antique glass bowls type Helle. Journal of Archaeological Science: Reports, 2015, 3, 171-180.	0.2	9
92	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.	1.6	9
93	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.	0.6	8
94	Micro-slag and â€œinvisibleâ€•copper processing activities at a Middle-Shang period (14th-13th century BC) bronze casting workshop. Journal of Archaeological Science, 2020, 122, 105222.	1.2	8
95	Kastro Palaia settlement, Volos, Greece: a diachronical technological approach to bronze metalwork. Science and Technology of Archaeological Research, 2017, 3, 179-193.	2.4	7
96	Report on the First Iranian Prehistoric Slag Workshop. Iran, 2007, 45, 315-318.	0.0	6
97	Bronze metallurgy in the Late Phrygian settlement of Gordion, Turkey. Archaeological and Anthropological Sciences, 2018, 10, 1645-1672.	0.7	6
98	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.	1.2	6
99	Semi-finished glass from Ile-Ife, Nigeria: implications for the archaeology of glass in sub-Saharan Africa. Antiquity, 2020, 94, .	0.5	6
100	The Intentional Use of Leadâ€“tin Orange in <scp>I</scp>ndian <scp>I</scp>slamic Glazes and Its Preliminary Characterization. Archaeometry, 2014, 56, 1009-1023.	0.6	5
101	A Technology of Multiple Smelting Furnaces per Termite Mound: Iron Production in Chongwe, Lusaka, Zambia. Journal of African Archaeology, 2020, 18, 67-85.	0.3	5
102	Glas fÃ¼r den Pharao â€” Glasherstellung in der SpÃtbronzezeit des Nahen Ostens. , 2007, , 215-235.		5
103	The Minting of Platinum Roubles. Platinum Metals Review, 2006, 50, 120-129.	1.5	4
104	Chromium crucible steel was first made in Persia. Journal of Archaeological Science, 2021, 127, 105224.	1.2	4
105	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, 2014, 17, .	0.1	4
106	The Production of Silver in South America. Archaeology International UCL, Institute of Archaeology, 2011, 13, .	0.1	4
107	Context is everything indeed: a response to Åljivar and BoriÄ‡. Antiquity, 2014, 88, 1315-1319.	0.5	3
108	Testing the New World: early modern chemistry and mineral prospection at colonial Jamestown, 1607â€“1610. Archaeological and Anthropological Sciences, 2019, 11, 6851-6864.	0.7	3

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109	Three Millennia of Egyptian Glassmaking. , 2020, , 423-450.		3
110	The origins and evolution of Cypriot glazed ware productions during the thirteenth to seventeenth centuries CE. Archaeological and Anthropological Sciences, 2021, 13, 1.	0.7	3
111	A journey of over 200 years: early studies on wootz ingots and new evidence from Konasamudram, India. Advances in Archaeomaterials, 2021, 2, 15-23.	0.4	3
112	Making Weapons for the Terracotta Army. Archaeology International UCL, Institute of Archaeology, 2011, 13, .	0.1	3
113	The beginning of glazed ware production in late medieval Cyprus. Journal of Archaeological Science: Reports, 2019, 27, 101963.	0.2	2
114	Egyptian Middle Kingdom copper: Analysis of a crucible from Buhen in the Petrie Museum. Journal of Archaeological Science: Reports, 2021, 36, 102859.	0.2	2
115	Alloying and resource management in New Kingdom Egypt:. , 2012, , 215-221.		2
116	Cultural Heritage Career Paths for Materials Scientists and Corrosion Engineers. Advances in Chemical and Materials Engineering Book Series, 2015, , 349-368.	0.2	2
117	The Origin of Glass and the First Glass Industries. , 2021, , 3-20.		2
118	Archaeological Copper Smelting at ItziparÃ¡tzico, Michoacan, Mexico. Materials Research Society Symposia Proceedings, 2004, 838, 235.	0.1	1
119	Scientific Analysis of Metal Objects and Metallurgical Remains from Kastri, Kythera. Annual of the British School at Athens, 2007, 102, 219-238.	0.2	1
120	METALS | Primary Production Studies of. , 2008, , 1616-1620.		1
121	An early Byzantine glass workshop at Argyroupolis, Crete: Insights into complex glass supply networks. Journal of Archaeological Science: Reports, 2021, 35, 102766.	0.2	1
122	As similar as black and white: steelmaking crucibles from South and Central Asia. Archaeology International UCL, Institute of Archaeology, 2012, 6, .	0.1	1
123	Introduction to Select Papers Delivered at the 1996 International Symposium on Archaeometry, Held at the University of Illinois at Urbanaâ€“Champaign. Journal of Archaeological Science, 1999, 26, 851-853.	1.2	0
124	Archaeometallurgy â€” an island?. Antiquity, 2000, 74, 964-967.	0.5	0
125	METALS | Chemical Analysis. , 2008, , 1614-1616.		0
126	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) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 25, 927-930.	0.1	0

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127	An analytical evaluation of historic glazed tiles from Makli and Lahore, Pakistan. Journal of Archaeological Science: Reports, 2017, 16, 266-275.	0.2	0
128	Ice-Core Evidence of Earliest Extensive Copper Metallurgy in the Andes 2700 Years ago. Chimia, 2018, 72, 152.	0.3	0
129	On the soldering techniques of gold objects from the Boma site, Xinjiang, China. Journal of Archaeological Science: Reports, 2020, 33, 102572.	0.2	0
130	The philosophers and the crucibles. New data on the 17thâ€“18th century remains from the Old Ashmolean laboratory, Oxford. Journal of Archaeological Science: Reports, 2021, 35, 102684.	0.2	0
131	Diversifying the picture: indigenous responses to European arrival in Cuba. Archaeology International UCL, Institute of Archaeology, 2006, 10, .	0.1	0
132	The Marie Curie programme at the Institute of Archaeology 2004-2008. Archaeology International UCL, Institute of Archaeology, 2007, 11, .	0.1	0
133	POST-MEDIEVAL CRUCIBLE PRODUCTION AND DISTRIBUTION: A STUDY OF MATERIALS AND MATERIALITIES. Archaeometry, 2008, .	0.6	0
134	The UCL Institute of Archaeology and Qatar. Archaeology International UCL, Institute of Archaeology, 2011, 13, .	0.1	0
135	Red glass for the Pharaoh. Archaeology International UCL, Institute of Archaeology, 2012, 9, .	0.1	0
136	Roads to riches: making good the silver ore at Lavrion in Greece. Archaeology International UCL, Institute of Archaeology, 2012, 4, .	0.1	0
137	UCL Qatar and the Institute of Archaeology. Archaeology International UCL, Institute of Archaeology, 2012, 15, .	0.1	0
138	Cultural Heritage Career Paths for Materials Scientists and Corrosion Engineers. , 2017, , 1558-1577.		0