

# By Marcos Martín-Torres

## List of Publications by Year in descending order

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100  
papers

2,043  
citations

257450

24  
h-index

276875

41  
g-index

105  
all docs

105  
docs citations

105  
times ranked

1287  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hominin lower second premolar morphology: evolutionary inferences through geometric morphometric analysis. <i>Journal of Human Evolution</i> , 2006, 50, 523-533.	2.6	145
2	Slag inclusions in iron objects and the quest for provenance: an experiment and a case study. <i>Journal of Archaeological Science</i> , 2009, 36, 1745-1757.	2.4	111
3	Investigating the production provenance of iron artifacts with multivariate methods. <i>Journal of Archaeological Science</i> , 2012, 39, 2280-2293.	2.4	85
4	The Provenance, Use, and Circulation of Metals in the European Bronze Age: The State of Debate. <i>Journal of Archaeological Research</i> , 2019, 27, 131-185.	4.0	82
5	Dhar Nāma: from early agriculture to metallurgy in southeastern Mauritania. <i>Azania</i> , 2009, 44, 3-48.	0.9	81
6	Prehistoric copper production and technological reproduction in the Khao Wong Prachan Valley of Central Thailand. <i>Archaeological and Anthropological Sciences</i> , 2010, 2, 237-264.	1.8	73
7	5,000 years old Egyptian iron beads made from hammered meteoritic iron. <i>Journal of Archaeological Science</i> , 2013, 40, 4785-4792.	2.4	71
8	Small size, high value: composition and manufacture of second millennium AD copper-based beads from northern Zimbabwe. <i>Journal of African Archaeology</i> , 2009, 7, 79-97.	0.6	68
9	Khao Sam Kaeo – an archaeometallurgical crossroads for trans-asiatic technological traditions. <i>Journal of Archaeological Science</i> , 2010, 37, 1761-1772.	2.4	67
10	Variability in single smelting episodes – a pilot study using iron slag from Uganda. <i>Journal of Archaeological Science</i> , 2009, 36, 359-369.	2.4	52
11	Computer vision, archaeological classification and China's terracotta warriors. <i>Journal of Archaeological Science</i> , 2014, 49, 249-254.	2.4	50
12	From Iberia to the Southern Levant: The Movement of Silver Across the Mediterranean in the Early Iron Age. <i>Journal of World Prehistory</i> , 2019, 32, 1-31.	3.6	50
13	Mullite and the mystery of Hessian wares. <i>Nature</i> , 2006, 444, 437-438.	27.8	49
14	POST-MEDIEVAL CRUCIBLE PRODUCTION AND DISTRIBUTION: A STUDY OF MATERIALS AND MATERIALITIES*. <i>Archaeometry</i> , 2009, 51, 49-74.	1.3	49
15	A combined Raman microscopy, XRF and SEM-EDX study of three valuable objects – A large painted leather screen and two illuminated title pages in 17th century books of ordinances of the Worshipful Company of Barbers, London. <i>Journal of Molecular Structure</i> , 2010, 976, 350-359.	3.6	47
16	Amber Sources and Trade in the Prehistory of the Iberian Peninsula. <i>European Journal of Archaeology</i> , 2012, 15, 187-216.	0.5	47
17	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> , 2014, 21, 534-562.	3.0	43
18	Mass-Produced Mullite Crucibles in Medieval Europe: Manufacture and Material Properties. <i>Journal of the American Ceramic Society</i> , 2008, 91, 2071-2074.	3.8	40

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19	Pastoralist iron production on the Laikipia Plateau, Kenya: wider implications for archaeometallurgical studies. <i>Journal of Archaeological Science</i> , 2009, 36, 2314-2326.	2.4	37
20	Early metallurgy in SE Iberia. The workshop of Las Pilas (Mojácar, Almería, Spain). <i>Archaeological and Anthropological Sciences</i> , 2017, 9, 1539-1569.	1.8	36
21	Technical Ceramics. , 2014, , 107-131.		36
22	Experimental design of the Cu-As-Sn ternary colour diagram. <i>Journal of Archaeological Science</i> , 2018, 90, 106-119.	2.4	32
23	Metals, microanalysis and meaning: a study of metal objects excavated from the indigenous cemetery of El Chorro de Maíta, Cuba. <i>Journal of Archaeological Science</i> , 2007, 34, 194-204.	2.4	31
24	Distilling zinc for the Ming Dynasty: the technology of large scale zinc production in Fengdu, southwest China. <i>Journal of Archaeological Science</i> , 2012, 39, 908-921.	2.4	26
25	The prehistoric individual, connoisseurship and archaeological science: The Muisca goldwork of Colombia. <i>Journal of Archaeological Science</i> , 2015, 63, 136-155.	2.4	26
26	Hanzhong bronzes and highly radiogenic lead in Shang period China. <i>Journal of Archaeological Science</i> , 2019, 101, 131-139.	2.4	24
27	Technology and Culture in the Invention of Lost-wax Casting in South America: an Archaeometric and Ethnoarchaeological Perspective. <i>Cambridge Archaeological Journal</i> , 2015, 25, 377-390.	0.9	23
28	Inscriptions, filing, grinding and polishing marks on the bronze weapons from the Qin Terracotta Army in China. <i>Journal of Archaeological Science</i> , 2011, 38, 492-501.	2.4	22
29	SOUTHEAST ASIA'S FIRST ISOTOPICALLY DEFINED PREHISTORIC COPPER PRODUCTION SYSTEM: WHEN DID EXTRACTIVE METALLURGY BEGIN IN THE KHAO WONG PRACHAN VALLEY OF CENTRAL THAILAND?. <i>Archaeometry</i> , 2011, 53, 146-163.	1.3	22
30	Composition, colour and context in Muisca votive metalwork (Colombia, AD 600-1800). <i>Antiquity</i> , 2012, 86, 772-791.	1.0	22
31	Crossbows and imperial craft organisation: the bronze triggers of China's Terracotta Army. <i>Antiquity</i> , 2014, 88, 126-140.	1.0	20
32	Depletion gilding, innovation and life-histories: the changing colours of Nahuange metalwork. <i>Antiquity</i> , 2017, 91, 1253-1267.	1.0	20
33	Iridium to provenance ancient silver. <i>Journal of Archaeological Science</i> , 2017, 81, 1-12.	2.4	18
34	Copper metallurgy in prehistoric upper Ili Valley, Xinjiang, China. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 2407-2417.	1.8	18
35	Iron decarburisation techniques in the eastern Guanzhong Plain, China, during Late Warring States period: an investigation based on slag inclusion analyses. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 6537-6549.	1.8	18
36	Problèmes et perspectives à partir de l'étude des vestiges archéologiques issus de la coupellation: l'exemple du site de Montbliard (France). <i>ArcheoSciences</i> , 2008, , 59-70.	0.1	17

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37	Archaeological Theories and Archaeological Sciences. , 0, , .		16
38	Amber in prehistoric Iberia: New data and a review. PLoS ONE, 2018, 13, e0202235.	2.5	16
39	Metallic encounters in Cuba: The technology, exchange and meaning of metals before and after Columbus. Journal of Anthropological Archaeology, 2012, 31, 439-454.	1.6	15
40	Forty years and still growing: Journal of Archaeological Science looks to the future. Journal of Archaeological Science, 2015, 56, 1-8.	2.4	15
41	Metallurgical traditions under Inka rule: a technological study of metals and technical ceramics from the Aconcagua Valley, Central Chile. Journal of Archaeological Science, 2015, 54, 86-98.	2.4	15
42	Bloomery iron smelting in the Daye County (Hubei): Technological traditions in Qing China. Archaeological Research in Asia, 2018, 16, 148-165.	0.7	15
43	Not so efficient, but still distilled: the technology of Qing Dynasty zinc production at Dafengmen, Chongqing, southwest China. Journal of Archaeological Science, 2014, 43, 278-288.	2.4	14
44	Bullion production in imperial China and its significance for sulphide ore smelting world-wide. Journal of Archaeological Science, 2015, 55, 151-165.	2.4	14
45	Copper mining and smelting technology in the northern Lowveld, South Africa, ca. 1000 CE to ca. 1880 CE. Journal of Archaeological Science, 2016, 75, 10-26.	2.4	13
46	Bronze production in the Iron Age of the Iberian Peninsula: The case of El Castreño (Asturias, NW)	0.5	13
47	Inside Solomon's House: An Archaeological Study of the Old Ashmolean Chymical Laboratory in Oxford. Ambix, 2012, 59, 22-48.	0.3	12
48	Marking practices and the making of the Qin Terracotta Army. Journal of Anthropological Archaeology, 2016, 42, 169-183.	1.6	12
49	Traditions and innovations: versatility of copper and tin bronze making recipes in Iron Age Emporion (Escalade, Spain). Archaeological and Anthropological Sciences, 2020, 12, 1.	1.8	12
50	Some Recent Developments in the Historiography of Alchemy. Ambix, 2011, 58, 215-237.	0.3	11
51	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. Archaeological and Anthropological Sciences, 2013, 5, 311-329.	1.8	11
52	Origenes del dorado por amalgama: aportaciones desde la orfebrería protohistórica del noroeste de la Península Ibérica. Trabajos De Prehistoria, 2011, 68, 187-198.	0.7	11
53	The archaeometallurgical reconstruction of early second-millennium AD metal production activities at Shankare Hill, northern Lowveld, South Africa. Azania, 2016, 51, 327-361.	0.9	10
54	A Better Shade of Black: Effects of Manufacturing Parameters on the Development of Ancient Black Bronzes*. Archaeometry, 2017, 59, 1034-1049.	1.3	10

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55	Cast a different iron: Grey and mottled cast iron production in early China. <i>Journal of Cultural Heritage</i> , 2020, 46, 184-192.	3.3	10
56	Trace elements and lead isotopic composition of copper deposits from the eastern part of the Internal Zone of the Betic Cordillera (SE Iberia): application to provenance of archaeological materials. <i>Journal of Iberian Geology</i> , 2019, 45, 585-608.	1.3	9
57	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> , 2019, 9, 5289.	3.3	9
58	New objects in old structures. The Iron Age hoard of the Palacio III megalithic funerary complex (Almadén de la Plata, Seville, Spain). <i>Journal of Archaeological Science</i> , 2015, 57, 322-334.	2.4	8
59	Cu-based alloys as a benchmark for T-PGAA quantitative analysis at spallation neutron sources. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 331-340.	3.0	8
60	Modern and ancient gold jewellery attributed to the Etruscans: a science-based study. <i>ArcheoSciences</i> , 2009, , 357-364.	0.1	8
61	Gold parting, iridium and provenance of ancient silver: A reply to Pernicka. <i>Journal of Archaeological Science</i> , 2017, 86, 127-130.	2.4	7
62	Of gold masks, bronze mirrors and brass bracelets: Analyses of metallic artefacts from Samdzong, Upper Mustang, Nepal 450-650 CE. <i>Archaeological Research in Asia</i> , 2019, 18, 68-81.	0.7	6
63	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> , 2019, 104, 75-84.	2.4	6
64	Shape as a measure of weapon standardisation: From metric to geometric morphometric analysis of the Iron Age "Havor" lance from Southern Scandinavia. <i>Journal of Archaeological Science</i> , 2019, 101, 34-51.	2.4	6
65	Defying God and the king: A 17th-century gold rush for "megalithic treasure". <i>Public Archaeology</i> , 2002, 2, 219-235.	0.6	5
66	Interwoven traditions in Bell Beaker metallurgy: Approaching the social value of copper at Bauma del Serrat del Pont (Northeast Iberia). <i>PLoS ONE</i> , 2021, 16, e0255818.	2.5	5
67	Los megalitos de Tormino. Crónica del valor territorial de los monumentos megalíticos a partir de las fuentes escritas. <i>Trabajos De Prehistoria</i> , 2001, 58, 95-108.	0.7	5
68	Copper-alloy use in a Tyrrhenian medieval town: The case of Leopoli-Cencelle (Italy). <i>Journal of Archaeological Science: Reports</i> , 2016, 7, 597-608.	0.5	4
69	Goldsmithing traditions and innovations in colonial Colombia: an analytical study of crucibles from Santa Cruz de Mompos. <i>Post-Medieval Archaeology</i> , 2018, 52, 147-169.	0.6	4
70	Fire assay and cupellation at the late medieval Porto Mint, Portugal: a technological study. <i>Journal of Archaeological Science: Reports</i> , 2019, 24, 496-506.	0.5	4
71	Chromium crucible steel was first made in Persia. <i>Journal of Archaeological Science</i> , 2021, 127, 105224.	2.4	4
72	Captación y selección de materias primas en la primera metalurgia del Sureste de la península Ibérica. <i>Trabajos De Prehistoria</i> , 2020, 77, 87.	0.7	4

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73	Glass and Alchemy in Early Modern Europe: An Analytical Study of Glassware from the Oberstockstall Laboratory in Austria. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7346-7350.	13.8	3
74	Validation of a new data-analysis software for multiple-peak analysis of $\hat{I}^3$ spectra at ISIS pulsed Neutron and Muon Source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 938, 51-55.	1.6	3
75	Testing the New World: early modern chemistry and mineral prospecting at colonial Jamestown, 1607-1610. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 6851-6864.	1.8	3
76	Heat transfer properties of post-medieval crucibles. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 1571-1575.	1.8	3
77	Archaeometallurgy in Colombia: Recent Developments. <i>Archaeology International UCL, Institute of Archaeology</i> , 2017, 20, .	0.2	3
78	Making Weapons for the Terracotta Army. <i>Archaeology International UCL, Institute of Archaeology</i> , 2011, 13, .	0.2	3
79	Negotiating a colonial Maya identity: metal ornaments from Tipu, Belize. <i>Open Journal of Archaeometry</i> , 2013, 1, 24.	0.2	2
80	Technology, Use and Reuse of Gold during the Middle Period: The Case of Casa Parroquial, Atacama Desert, Chile. <i>Cambridge Archaeological Journal</i> , 0, , 1-25.	0.9	2
81	The ALBIMEH Project - Atlantic Late Bronze Age Metal Hoards Compared. <i>Archaeology International UCL, Institute of Archaeology</i> , 2016, 19, .	0.2	2
82	The Mutapa and the Portuguese: ., 2017, , 169-196.		2
83	The Old Ashmolean Museum and Oxford's Seventeenth-Century Chymical Community: A Material Culture Approach To Laboratory Experiments. <i>Ambix</i> , 2022, 69, 19-33.	0.3	2
84	Technology, life histories and circulation of gold objects during the Middle Period (AD 400-1000): A perspective from the Atacama Desert, Chile. <i>Archaeological and Anthropological Sciences</i> , 2022, 14, 1.	1.8	2
85	Many Potters - One Style: Pottery Production and Distribution in Transitional Late Byzantine-Early Islamic Palaestina Tertia. , 2011, , 71-76.		1
86	Identification of beeswax excavated from the Han Period Mausoleum M1 of the King of Jiangdu, Jiangsu, China. <i>Journal of Archaeological Science: Reports</i> , 2015, 4, 552-558.	0.5	1
87	Ink marks, bronze crossbows and their implications for the Qin Terracotta Army. <i>Heritage Science</i> , 2018, 6, .	2.3	1
88	Of forming, gilding and intentionality in pre-Columbian goldwork: Analytical characterisation of artefacts from the Museo del Oro, Bogotá. <i>Journal of Archaeological Science: Reports</i> , 2020, 34, 102626.	0.5	1
89	Reverse engineering of ceramic anthropomorphic figurines from the Tumaco archaeological tradition in southwest Colombia. <i>PLoS ONE</i> , 2021, 16, e0250230.	2.5	1
90	El Padre Sarmiento y el megalitismo gallego. <i>Cuadernos De Estudios Gallegos</i> , 2004, 51, 435-448.	0.2	1

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91	ANALYTICAL STUDY OF IRON SLAG FROM THE NOVGOROD HINTERLAND. , 2012, , 185-194.		1
92	Metals in the Indigenous Societies of the Insular Caribbean. , 2013, , .		0
93	Laboratories of Art. Alchemy and Art Technology from Antiquity to the 18th Century. <i>Ambix</i> , 2015, 62, 386-396.	0.3	0
94	Editorial: JAS on the move. <i>Journal of Archaeological Science</i> , 2018, 91, A1-A2.	2.4	0
95	Glass and Alchemy in Early Modern Europe: An Analytical Study of Glassware from the Oberstockstall Laboratory in Austria. <i>Angewandte Chemie</i> , 2018, 130, 7468-7472.	2.0	0
96	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> , 2021, 35, 102684.	0.5	0
97	Crisoles y moldes en Los Nogales: Estudio tecnológico de cerámicas metálicas del Período Tardío en el valle del Aconcagua, Chile Central. <i>Estudios Atacamenos</i> , 0, 67, .	0.3	0
98	Diversifying the picture: indigenous responses to European arrival in Cuba. <i>Archaeology International</i> UCL, Institute of Archaeology, 2006, 10, .	0.2	0
99	POST-MEDIEVAL CRUCIBLE PRODUCTION AND DISTRIBUTION: A STUDY OF MATERIALS AND MATERIALITIES. <i>Archaeometry</i> , 2008, .	1.3	0
100	The Archaeology of Alchemy and Chemistry in the Early Modern World: An Afterthought. <i>Archaeology International</i> UCL, Institute of Archaeology, 2012, 15, .	0.2	0