

List of Publications by Year in descending order

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86
papers

3,743
citations

117625

34
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133252

59
g-index

92
all docs

92
docs citations

92
times ranked

1651
citing authors

#	ARTICLE	IF	CITATIONS
1	The first hominin of Europe. <i>Nature</i> , 2008, 452, 465-469.	27.8	545
2	One million years of cultural evolution in a stable environment at Atapuerca (Burgos, Spain). <i>Quaternary Science Reviews</i> , 2011, 30, 1396-1412.	3.0	231
3	The Early and Middle Pleistocene technological record from Sierra de Atapuerca (Burgos, Spain). <i>Quaternary International</i> , 2013, 295, 138-167.	1.5	186
4	The TD6 level lithic industry from Gran Dolina, Atapuerca (Burgos, Spain): production and use. <i>Journal of Human Evolution</i> , 1999, 37, 653-693.	2.6	162
5	An Early Pleistocene hominin mandible from Atapuerca-TD6, Spain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 5674-5678.	7.1	152
6	Age and Date for Early Arrival of the Acheulian in Europe (Barranc de la Boella, la Canonja, Spain). <i>PLoS ONE</i> , 2014, 9, e103634.	2.5	143
7	Combined ESR/U-series chronology of Acheulian hominid-bearing layers at Trincheras Galería site, Atapuerca, Spain. <i>Journal of Human Evolution</i> , 2013, 65, 168-184.	2.6	86
8	Sleeping Activity Area within the Site Structure of Archaic Human Groups. <i>Current Anthropology</i> , 2010, 51, 137-145.	1.6	84
9	The use of sequential experiments and SEM in documenting stone tool microwear. <i>Journal of Archaeological Science</i> , 2014, 48, 60-72.	2.4	81
10	From Atapuerca to Europe: Tracing the earliest peopling of Europe. <i>Quaternary International</i> , 2013, 295, 130-137.	1.5	80
11	The earliest Acheulean technology at Atapuerca (Burgos, Spain): Oldest levels of the Galería site (GII) Tj ETQq1 1 0,784314 rgBT /Ovelde	1.5	75
12	The Pleistocene site of Gran Dolina, Sierra de Atapuerca, Spain: a history of the archaeological investigations. <i>Journal of Human Evolution</i> , 1999, 37, 313-324.	2.6	72
13	Structure morphotechnique de l'industrie lithique du Pléistocène inférieur et moyen d'Atapuerca (Burgos, Espagne). <i>Anthropologie</i> , 2001, 105, 259-280.	0.4	71
14	The first evidence of cut marks and usewear traces from the Plio-Pleistocene locality of El-Kherba (Ain Hanech), Algeria: implications for early hominin subsistence activities circa 1.8 Ma. <i>Journal of Human Evolution</i> , 2013, 64, 137-150.	2.6	66
15	The lithic industry of Sima del Elefante (Atapuerca, Burgos, Spain) in the context of Early and Middle Pleistocene technology in Europe. <i>Journal of Human Evolution</i> , 2015, 82, 95-106.	2.6	65
16	Scanning Electron and Optical Light Microscopy: two complementary approaches for the understanding and interpretation of usewear and residues on stone tools. <i>Journal of Archaeological Science</i> , 2014, 48, 46-59.	2.4	64
17	Human predatory behavior and the social implications of communal hunting based on evidence from the TD10.2 bison bone bed at Gran Dolina (Atapuerca, Spain). <i>Journal of Human Evolution</i> , 2017, 105, 89-122.	2.6	64
18	The Early Acheulean technology of Barranc de la Boella (Catalonia, Spain). <i>Quaternary International</i> , 2016, 393, 95-111.	1.5	62

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19	The Mental Template in Handaxe Manufacture: New Insights into Acheulean Lithic Technological Behavior at Boxgrove, Sussex, UK. <i>Journal of Archaeological Method and Theory</i> , 2019, 26, 396-422.	3.0	60
20	Early hominid dispersals: A technological hypothesis for 'out of Africa'. <i>Quaternary International</i> , 2010, 223-224, 36-44.	1.5	58
21	Modern contaminants affecting microscopic residue analysis on stone tools: A word of caution. <i>Micron</i> , 2016, 86, 1-21.	2.2	54
22	Technical microwear and residues in identifying bipolar knapping on an anvil: experimental data. <i>Journal of Archaeological Science</i> , 2011, 38, 1016-1025.	2.4	53
23	The Acheulean from Atapuerca: Three steps forward, one step back. <i>Quaternary International</i> , 2016, 411, 316-328.	1.5	49
24	Hominin subsistence and site function of TD10.1 bone bed level at Gran Dolina site (Atapuerca) during the late Acheulean. <i>Journal of Quaternary Science</i> , 2015, 30, 679-701.	2.1	47
25	Barranc de la Boella (Catalonia, Spain): an Acheulean elephant butchering site from the European late Early Pleistocene. <i>Journal of Quaternary Science</i> , 2015, 30, 651-666.	2.1	46
26	The nature of technological changes: The Middle Pleistocene stone tool assemblages from Galería and Gran Dolina-subunit TD10.1 (Atapuerca, Spain). <i>Quaternary International</i> , 2015, 368, 92-111.	1.5	45
27	Monitoring and interpreting the use-wear formation processes on quartzite flakes through sequential experiments. <i>Quaternary International</i> , 2017, 427, 35-65.	1.5	45
28	Building an Experimental Comparative Reference Collection for Lithic Micro-Residue Analysis Based on a Multi-Analytical Approach. <i>Journal of Archaeological Method and Theory</i> , 2018, 25, 117-154.	3.0	41
29	The TD6 (Aurora stratum) hominid site. Final remarks and new questions. <i>Journal of Human Evolution</i> , 1999, 37, 695-700.	2.6	39
30	UNDER THE HAMMER: RESIDUES RESULTING FROM PRODUCTION AND MICROWEAR ON EXPERIMENTAL STONE TOOLS. <i>Archaeometry</i> , 2006, 48, 549-564.	1.3	39
31	Microwear features on vein quartz, rock crystal and quartzite: A study combining Optical Light and Scanning Electron Microscopy. <i>Quaternary International</i> , 2016, 424, 154-170.	1.5	39
32	The continental record of Marine Isotope Stage 11 (Middle Pleistocene) on the Iberian Peninsula characterized by herpetofaunal assemblages. <i>Journal of Quaternary Science</i> , 2015, 30, 667-678.	2.1	37
33	Shedding light on the Early Pleistocene of TD6 (Gran Dolina, Atapuerca, Spain): The technological sequence and occupational inferences. <i>PLoS ONE</i> , 2018, 13, e0190889.	2.5	35
34	New taphonomic advances in 3D digital microscopy: A morphological characterisation of trampling marks. <i>Quaternary International</i> , 2019, 517, 55-66.	1.5	35
35	Understanding the emergence of modern humans and the disappearance of Neanderthals: Insights from Kaldar Cave (Khorramabad Valley, Western Iran). <i>Scientific Reports</i> , 2017, 7, 43460.	3.3	34
36	Investigating the Mid-Brunhes Event in the Spanish terrestrial sequence. <i>Geology</i> , 2012, 40, 1051-1054.	4.4	33

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37	Reality and confusion in the recognition of post-depositional alterations and use-wear: an experimental approach on basalt tools. <i>Journal of Lithic Studies</i> , 2014, 1, .	0.5	33
38	Chronometric investigations of the Middle to Upper Paleolithic transition in the Zagros Mountains using AMS radiocarbon dating and Bayesian age modelling. <i>Journal of Human Evolution</i> , 2017, 109, 57-69.	2.6	30
39	Microscopic analysis of technical and functional traces as a method for the use-wear analysis of rock crystal tools. <i>Quaternary International</i> , 2016, 424, 171-190.	1.5	24
40	Test excavations and initial results at the Middle and Upper Paleolithic sites of Gilvaran, Kaldar, Chamari caves and Gar Arjene Rockshelter, Khorramabad Valley, western Iran. <i>Comptes Rendus - Palevol</i> , 2014, 13, 511-525.	0.2	23
41	The dawn of the Middle Paleolithic in Atapuerca: the lithic assemblage of TD10.1 from Gran Dolina. <i>Journal of Human Evolution</i> , 2020, 145, 102812.	2.6	22
42	Quartz and quartzite refits at Gran Dolina (Sierra de Atapuerca, Burgos): Connecting lithic artefacts in the Middle Pleistocene unit of TD10.1. <i>Quaternary International</i> , 2017, 433, 85-102.	1.5	21
43	The WEAP Method: a New Age in the Analysis of the Acheulean Handaxes. <i>Journal of Paleolithic Archaeology</i> , 2020, 3, 756-793.	1.7	21
44	Coexistence among large predators during the Lower Paleolithic at the site of La Mina (Barranc de la Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.5	20
45	Coping with arid environments: A critical threshold for human expansion in Europe at the Marine Isotope Stage 12/11 transition? The case of the Iberian Peninsula. <i>Journal of Human Evolution</i> , 2021, 153, 102950.	2.6	19
46	Valle de las OrquÃdeas: an Upper Pleistocene open-air site at Sierra de Atapuerca (Burgos). <i>Trabajos De Prehistoria</i> , 2007, 64, .	0.7	19
47	Structural study of two quartzite varieties from the Utrillas facies formation (Olmos de Atapuerca,) Tj ETQq1 1 0.784314 rgBT /Overlock International, 2017, 433, 163-178.	1.5	18
48	Objectifying processes: The use of geometric morphometrics and multivariate analyses on Acheulean tools. <i>Journal of Lithic Studies</i> , 2020, 7, .	0.5	18
49	Pleistocene human remains and conservation treatments: the case of a mandible from Atapuerca (Spain). <i>Journal of Human Evolution</i> , 2008, 54, 539-545.	2.6	17
50	Applying SEM to the study of use-wear on unmodified shell tools: an experimental approach. <i>Journal of Archaeological Science</i> , 2015, 59, 179-196.	2.4	16
51	Evidence of paleoecological changes and Mousterian occupations at the GalerÃa de las Estatuas site, Sierra de Atapuerca, northern Iberian plateau, Spain. <i>Quaternary Research</i> , 2017, 88, 345-367.	1.7	16
52	The occupational pattern of the GalerÃa site (Atapuerca, Spain): AÂ technological perspective. <i>Quaternary International</i> , 2017, 433, 363-378.	1.5	15
53	Use-wear analysis of the late Middle Pleistocene quartzite assemblage from the Gran Dolina site, TD10.1 subunit (Sierra de Atapuerca, Spain). <i>Quaternary International</i> , 2020, 569-570, 181-211.	1.5	15
54	Lithic refits as a tool to reinforce postdepositional analysis. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 4555-4568.	1.8	14

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55	Innovative ochre processing and tool use in China 40,000 years ago. <i>Nature</i> , 2022, 603, 284-289.	27.8	14
56	The Middle Pleistocene site of La Cansaladeta (Tarragona, Spain): Stratigraphic and archaeological succession. <i>Quaternary International</i> , 2016, 393, 137-157.	1.5	13
57	Polish is quantitatively different on quartzite flakes used on different worked materials. <i>PLoS ONE</i> , 2020, 15, e0243295.	2.5	13
58	New data on Sicilian prehistoric and historic evolution in a mountain context, Vallone Inferno (Scillato, Italy). <i>Comptes Rendus - Palevol</i> , 2013, 12, 115-126.	0.2	12
59	Use-wear analysis of a specific mobile toolkit from the Middle Paleolithic site of Abric Roman� (Barcelona, Spain): a case study from level M. <i>Archaeological and Anthropological Sciences</i> , 2020, 12, 1.	1.8	12
60	Procesos t�cnicos y culturales durante el Holoceno inicial en el noroeste de la Pen�nsula Ib�rica. Los niveles B y Bb de La Catierra (El Catllar, Tarragona). <i>Trabajos De Prehistoria</i> , 2013, 70, 54-75.	0.7	12
61	Knapped bones used as tools: experimental approach on different activities. <i>Quaternary International</i> , 2020, 569-570, 51-65.	1.5	11
62	Experimental Butchering of a Chimpanzee Carcass for Archaeological Purposes. <i>PLoS ONE</i> , 2015, 10, e0121208.	2.5	11
63	Lithic assemblages of Azokh Cave (Nagorno Karabagh, Lesser Caucasus): Raw materials, technology and regional context. <i>Journal of Lithic Studies</i> , 2014, 1, .	0.5	11
64	Early evidence of <i>Prunus</i> and <i>Prunus cf. amygdalus</i> from Palaeolithic sites in the Khorramabad Valley, western Iran. <i>Comptes Rendus - Palevol</i> , 2018, 17, 335-345.	0.2	10
65	Microwear study of quartzite artefacts: preliminary results from the Middle Pleistocene site of Payre (South-eastern France). <i>Archaeological and Anthropological Sciences</i> , 2018, 10, 369-388.	1.8	9
66	Dragged, lagged, or undisturbed: reassessing the autochthony of the hominin-bearing assemblages at Gran Dolina (Atapuerca, Spain). <i>Archaeological and Anthropological Sciences</i> , 2021, 13, 1.	1.8	9
67	Use-wear and residue mapping on experimental chert tools. A multi-scalar approach combining digital 3D, optical, and scanning electron microscopy. <i>Journal of Archaeological Science: Reports</i> , 2020, 30, 102236.	0.5	9
68	Chemical Alteration of Lithic Artefacts: an Experimental Case Study on the effect of Guano on Stone Flakes and Its Contextualization in the Archaeological Assemblage of Azokh Cave (Southern Tj ETQq0 0 0 rgBT / Overlock 108f 50 217 7		
69	Exploring the landscape and climatic conditions of Neanderthals and anatomically modern humans in the Middle East: the rodent assemblage from the late Pleistocene of Kaldar Cave (Khorramabad Valley,) Tj ETQq1 1 0.7843148gBT / Over		
70	Short-Term Occupations in Paleolithic Archaeology. <i>Interdisciplinary Contributions To Archaeology</i> , 2020, , .	0.3	7
71	Using 3D digital microscopy and SEM-EDX for in-situ residue analysis: A multi-analytical contextual approach on experimental stone tools. <i>Quaternary International</i> , 2020, 569-570, 228-262.	1.5	7
72	A new combined approach using confocal and scanning electron microscopy to image surface modifications on quartzite. <i>Journal of Archaeological Science: Reports</i> , 2020, 30, 102237.	0.5	7

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73	An assessment of bone tool cleaning procedures in preparation for traceological analysis. <i>Archaeological and Anthropological Sciences</i> , 2022, 14, .	1.8	7
74	Exploring the utility of optical microscopy versus scanning electron microscopy for the quantification of dental microwear. <i>Quaternary International</i> , 2020, 569-570, 5-14.	1.5	6
75	The Lower Paleolithic of Iran: Probing New Finds from Mar Gwergalan Cave (Holeylan, Central) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i>	0.2	4
76	New contributions to the functional analysis of prehistoric tools. <i>Quaternary International</i> , 2017, 427, 2-5.	1.5	4
77	Characterization of the use-wear and residues resulting from limestone working. Experimental approach to the parietal art of La Viã±a rock shelter (La Manzaneda, Asturias, Spain). <i>Quaternary International</i> , 2020, 569-570, 212-227.	1.5	4
78	Results of a functional study on the Middle to early Upper Pleistocene lithic assemblages from the Azokh 1 Cave site (South Caucasus). <i>Quaternary International</i> , 2020, 569-570, 168-180.	1.5	4
79	Lithic Assemblages Recovered from Azokh 1. <i>Vertebrate Paleobiology and Paleoanthropology</i> , 2016, , 85-101.	0.5	3
80	Early pastoral communities in the mountains of Sicily. Prehistoric evidence from Vallone Inferno (Scillato) in the palaeoenvironmental framework of the Madonie mountain range. <i>Journal of Anthropological Archaeology</i> , 2021, 61, 101238.	1.6	3
81	Occupying Cave-Sites: A Case Study from Azokh 1 Cave (Southern Caucasus). <i>Interdisciplinary Contributions To Archaeology</i> , 2020, , 149-181.	0.3	3
82	Traceological analysis of a singular artefact: The rock crystal point from O Achadizo (Boiro, A) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382</i>	0.5	3
83	Microbotanical residues for the study of early hominin tools. <i>Scientific Reports</i> , 2022, 12, 2951.	3.3	3
84	Avoiding the Blue and Black/White and Gold Argument: an Automated Colour Reference System Applied to Lithic Refit Processes. <i>Journal of Archaeological Method and Theory</i> , 2020, 27, 245-270.	3.0	2
85	Is a spatial investigation possible without long-distance refit/conjoin? Application to the MIS 11 lithic assemblage of levels E and J from La Cansaladeta site (Tarragona, Spain). <i>Archaeological and Anthropological Sciences</i> , 2021, 13, 1.	1.8	2
86	Laser for removing remains of carbonated matrices from Pleistocene fossils. , 2008, , 477-481.		0