

Ran Barkai

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97
papers

2,713
citations

29
h-index

48
g-index

101
ext. papers

3,107
ext. citations

2.5
avg, IF

5.7
L-index

#	Paper	IF	Citations
97	Evidence for habitual use of fire at the end of the Lower Paleolithic: site-formation processes at Qesem Cave, Israel. <i>Journal of Human Evolution</i> , 2007 , 53, 197-212	3.1	226
96	Cooperative hunting and meat sharing 400-200 kya at Qesem Cave, Israel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 13207-12	11.5	167
95	Hearth-side socioeconomics, hunting and paleoecology during the late Lower Paleolithic at Qesem Cave, Israel. <i>Journal of Human Evolution</i> , 2011 , 60, 213-33	3.1	123
94	Man the fat hunter: the demise of Homo erectus and the emergence of a new hominin lineage in the Middle Pleistocene (ca. 400 kyr) Levant. <i>PLoS ONE</i> , 2011 , 6, e28689	3.7	108
93	Middle Pleistocene dental remains from Qesem Cave (Israel). <i>American Journal of Physical Anthropology</i> , 2011 , 144, 575-92	2.5	99
92	Systematic blade production at late Lower Paleolithic (400-200 kyr) Qesem Cave, Israel. <i>Journal of Human Evolution</i> , 2011 , 61, 458-79	3.1	89
91	Use-wear analysis of an Amudian laminar assemblage from the Acheuleo-Yabrudian of Qesem Cave, Israel. <i>Journal of Archaeological Science</i> , 2006 , 33, 921-934	2.9	85
90	New datings of Amudian layers at Qesem Cave (Israel): results of TL applied to burnt flints and ESR/U-series to teeth. <i>Journal of Archaeological Science</i> , 2013 , 40, 3011-3020	2.9	74
89	Fat residue and use-wear found on Acheulian biface and scraper associated with butchered elephant remains at the site of Revadim, Israel. <i>PLoS ONE</i> , 2015 , 10, e0118572	3.7	71
88	Fire for a Reason: Barbecue at Middle Pleistocene Qesem Cave, Israel. <i>Current Anthropology</i> , 2017 , 58, S314-S328	2.1	66
87	Using bones to shape stones: MIS 9 bone retouchers at both edges of the Mediterranean Sea. <i>PLoS ONE</i> , 2013 , 8, e76780	3.7	64
86	Dental calculus reveals potential respiratory irritants and ingestion of essential plant-based nutrients at Lower Palaeolithic Qesem Cave Israel. <i>Quaternary International</i> , 2016 , 398, 129-135	2	58
85	Looking for sharp edges: Modes of flint recycling at Middle Pleistocene Qesem Cave, Israel. <i>Quaternary International</i> , 2015 , 361, 61-87	2	53
84	Subsistence economy and social life: A zooarchaeological view from the 300 kya central hearth at Qesem Cave, Israel. <i>Journal of Anthropological Archaeology</i> , 2014 , 35, 248-268	1.9	53
83	The function of recycled lithic items at late Lower Paleolithic Qesem Cave, Israel: An overview of the use-wear data. <i>Quaternary International</i> , 2015 , 361, 103-112	2	50
82	What happens around a fire: Faunal processing sequences and spatial distribution at Qesem Cave (300 ka), Israel. <i>Quaternary International</i> , 2016 , 398, 190-209	2	47
81	Recycling bones in the Middle Pleistocene: Some reflections from Gran Dolina TD10-1 (Spain), Bolomor Cave (Spain) and Qesem Cave (Israel). <i>Quaternary International</i> , 2015 , 361, 297-312	2	46

80	Early evidence of stone tool use in bone working activities at Qesem Cave, Israel. <i>Scientific Reports</i> , 2016 , 6, 37686	4.9	42
79	The use of elephant bones for making Acheulian handaxes: A fresh look at old bones. <i>Quaternary International</i> , 2016 , 406, 227-238	2	41
78	Gravitational deformations and fillings of aging caves: The example of Qesem karst system, Israel. <i>Geomorphology</i> , 2009 , 106, 154-164	4.3	41
77	Elephant and Mammoth Hunting during the Paleolithic: A Review of the Relevant Archaeological, Ethnographic and Ethno-Historical Records. <i>Quaternary</i> , 2018 , 1, 3	2.2	40
76	A scraper's life history: Morpho-techno-functional and use-wear analysis of Quina and demi-Quina scrapers from Qesem Cave, Israel. <i>Quaternary International</i> , 2016 , 398, 86-93	2	39
75	Flint procurement strategies in the Late Lower Palaeolithic recorded by in situ produced cosmogenic ¹⁰ Be in Tabun and Qesem Caves (Israel). <i>Journal of Archaeological Science</i> , 2005 , 32, 207-213 ⁹	3.9	37
74	Small flake production and lithic recycling at Late Acheulian Revadim, Israel. <i>Quaternary International</i> , 2015 , 361, 46-60	2	36
73	Intra-site variability in lithic recycling at Qesem Cave, Israel. <i>Quaternary International</i> , 2015 , 361, 88-102	2	35
72	Tortoises as a dietary supplement: A view from the Middle Pleistocene site of Qesem Cave, Israel. <i>Quaternary Science Reviews</i> , 2016 , 133, 165-182	3.9	35
71	New Middle Pleistocene dental remains from Qesem Cave (Israel). <i>Quaternary International</i> , 2016 , 398, 148-158	2	31
70	The Acheulean Handaxe Technological Persistence: A Case of Preferred Cultural Conservatism?. <i>Proceedings of the Prehistoric Society, London</i> , 2018 , 84, 1-19	1.5	29
69	The Qesem Cave hominin material (part 2): A morphometric analysis of dm2-QC2 deciduous lower second molar. <i>Quaternary International</i> , 2016 , 398, 175-189	2	29
68	Palaeolithic landscape of extraction: flint surface quarries and workshops at Mt Pua, Israel. <i>Antiquity</i> , 2002 , 76, 672-680	1	29
67	Knowledge transmission and apprentice flint-knappers in the Acheulo-Yabrudian: A case study from Qesem Cave, Israel. <i>Quaternary International</i> , 2016 , 398, 70-85	2	27
66	An Amudian Oddity: A Giant Biface from Late Lower Palaeolithic Qesem Cave. <i>Tel Aviv</i> , 2013 , 40, 176-186 ⁶	6.6	27
65	Not the brain alone: The nutritional potential of elephant heads in Paleolithic sites. <i>Quaternary International</i> , 2016 , 406, 218-226	2	26
64	Animal residues found on tiny Lower Paleolithic tools reveal their use in butchery. <i>Scientific Reports</i> , 2019 , 9, 13031	4.9	26
63	Recycling for a purpose in the late Lower Paleolithic Levant: Use-wear and residue analyses of small sharp flint items indicate a planned and integrated subsistence behavior at Qesem Cave (Israel). <i>Journal of Human Evolution</i> , 2019 , 131, 109-128	3.1	26

62	Regional variability in late Lower Paleolithic Amudian blade technology: Analyzing new data from Qesem, Tabun and Yabrud I. <i>Quaternary International</i> , 2016 , 398, 37-60	2	26
61	The Qesem Cave hominin material (part 1): A morphometric analysis of the mandibular premolars and molar. <i>Quaternary International</i> , 2016 , 398, 159-174	2	26
60	Raw material choices in Amudian versus Yabrudian lithic assemblages at Qesem Cave: A preliminary evaluation. <i>Quaternary International</i> , 2016 , 398, 61-69	2	25
59	Sitting on the tailing piles: creating extraction landscapes in Middle Pleistocene quarry complexes in the Levant. <i>World Archaeology</i> , 2011 , 43, 211-229	1.4	23
58	Mammalian mitochondrial capture, a tool for rapid screening of DNA preservation in faunal and undiagnostic remains, and its application to Middle Pleistocene specimens from Qesem Cave (Israel). <i>Quaternary International</i> , 2016 , 398, 210-218	2	22
57	Cultural and Biological Transformations in the Middle Pleistocene Levant: A View from Qesem Cave, Israel 2013 , 115-137		22
56	Amudian versus Yabrudian under the rock shelf: A study of two lithic assemblages from Qesem Cave, Israel. <i>Quaternary International</i> , 2016 , 398, 13-36	2	21
55	Are there marrow cavities in Pleistocene elephant limb bones, and was marrow available to early humans? New CT scan results from the site of Castel di Guido (Italy). <i>Quaternary Science Reviews</i> , 2019 , 215, 86-97	3.9	20
54	Neandertals' large lower thorax may represent adaptation to high protein diet. <i>American Journal of Physical Anthropology</i> , 2016 , 160, 367-78	2.5	20
53	Spatial aspects as seen from a density analysis of lithics at Middle Pleistocene Qesem Cave: Preliminary results and observations. <i>Quaternary International</i> , 2016 , 398, 103-117	2	20
52	On Quina and demi-Quina scraper handling: Preliminary results from the late Lower Paleolithic site of Qesem Cave, Israel. <i>Quaternary International</i> , 2016 , 398, 94-102	2	19
51	The microvertebrates of Qesem Cave: A comparison of the two concentrations. <i>Quaternary International</i> , 2016 , 398, 233-245	2	18
50	Palaeoecological and biostratigraphical implications of the microvertebrates of Qesem Cave in Israel. <i>Quaternary International</i> , 2016 , 398, 219-232	2	18
49	On anachronism: The curious presence of Spheroids and Polyhedrons at Acheulo-Yabrudian Qesem Cave, Israel. <i>Quaternary International</i> , 2016 , 398, 118-128	2	18
48	Small Flake Acheulian: Further Insights into Lithic Recycling at Late Acheulian Revadim, Israel. <i>Tel Aviv</i> , 2018 , 45, 170-192	0.6	17
47	Feathers and food: Human-bird interactions at Middle Pleistocene Qesem Cave, Israel. <i>Journal of Human Evolution</i> , 2019 , 136, 102653	3.1	16
46	Form and function of early neolithic bifacial stone tools reflects changes in land use practices during the neolithization process in the levant. <i>PLoS ONE</i> , 2012 , 7, e42442	3.7	16
45	Shaped stone balls were used for bone marrow extraction at Lower Paleolithic Qesem Cave, Israel. <i>PLoS ONE</i> , 2020 , 15, e0230972	3.7	16

44	A taste of an elephant: The probable role of elephant meat in Paleolithic diet preferences. <i>Quaternary International</i> , 2015 , 379, 28-34	2	15
43	Microwear analysis of early Neolithic (PPNA) axes and bifacial tools from Netiv Hagdud in the Jordan Valley, Israel. <i>Journal of Archaeological Science</i> , 2003 , 30, 1051-1066	2.9	15
42	Tree-Felling, Woodworking, and Changing Perceptions of the Landscape during the Neolithic and Chalcolithic Periods in the Southern Levant. <i>Current Anthropology</i> , 2013 , 54, 222-231	2.1	14
41	The evolution of the human trophic level during the Pleistocene. <i>American Journal of Physical Anthropology</i> , 2021 , 175 Suppl 72, 27-56	2.5	14
40	Extensive Paleolithic Flint Extraction and Reduction Complexes in the Nahal Dishon Central Basin, Upper Galilee, Israel. <i>Journal of World Prehistory</i> , 2016 , 29, 217-266	3.5	14
39	Elephants are people, people are elephants: Human-proboscideans similarities as a case for cross-cultural animal humanization in recent and Paleolithic times. <i>Quaternary International</i> , 2016 , 406, 239-245	2	13
38	Midsummer Sunset at Neolithic Jericho. <i>Time and Mind</i> , 2008 , 1, 273-283	0.4	12
37	The importance of large prey animals during the Pleistocene and the implications of their extinction on the use of dietary ethnographic analogies. <i>Journal of Anthropological Archaeology</i> , 2020 , 59, 101192	1.9	11
36	How did the Qesem Cave people use their teeth? Analysis of dental wear patterns. <i>Quaternary International</i> , 2016 , 398, 136-147	2	11
35	A middle paleolithic and neolithic/chalcolithic flint extraction and reduction complex at Mt. Achbara, Eastern Galilee, Israel. <i>Archaeological Research in Asia</i> , 2018 , 16, 14-33	1.9	11
34	Changing the Face of the Earth: Human Behavior at Sede Ilan, an Extensive Lower-Middle Paleolithic Quarry Site in Israel 174-185		10
33	Resharpener and Recycling of Flint Bifacial Tools from the Southern Levant Neolithic and Chalcolithic. <i>Proceedings of the Prehistoric Society, London</i> , 1999 , 65, 303-318	1.5	9
32	The geometric kebaran microlithic assemblage of Ain Miri, Northern Israel. <i>Paleorient</i> , 2004 , 30, 127-140	0.3	9
31	On the Function of Late Acheulean Stone Tools: New Data From Three Specific Archaeological Contexts at the Lower Palaeolithic Site of Revadim, Israel. <i>Lithic Technology</i> , 2018 , 43, 255-268	1.2	9
30	The Flint Depot of prehistoric northern Israel: Comprehensive geochemical analyses of flint extraction and reduction complexes and implications for provenance studies. <i>Geoarchaeology - an International Journal</i> , 2019 , 34, 661-683	1.4	8
29	Techno-functional analysis of small recycled flakes from Late Acheulian Revadim (Israel) demonstrates a link between morphology and function. <i>Journal of Archaeological Science: Reports</i> , 2019 , 28, 102039	0.7	8
28	The evolution of Neolithic and Chalcolithic woodworking tools and the intensification of human production: 2011 , 39-54		8
27	An integrated study discloses chopping tools use from Late Acheulean Revadim (Israel). <i>PLoS ONE</i> , 2021 , 16, e0245595	3.7	8

26	Levantine overkill: 1.5 million years of hunting down the body size distribution. <i>Quaternary Science Reviews</i> , 2022 , 276, 107316	3.9	6
25	The Significance of Air Circulation and Hearth Location at Paleolithic Cave Sites. <i>Open Quaternary</i> , 2019 , 5,	1.1	6
24	The Elephant in the Handaxe: Lower Palaeolithic Ontologies and Representations. <i>Cambridge Archaeological Journal</i> , 2021 , 31, 349-361	0.8	6
23	Birds as indicators of high biodiversity zones around the Middle Pleistocene Qesem Cave, Israel. <i>Quaternary International</i> , 2016 , 421, 23-31	2	5
22	Activities at final Pre-Pottery Neolithic (PPNC) fishing village revealed through microwear analysis of bifacial flint tools from the submerged Atlit-Yam site, Israel. <i>Journal of Archaeological Science</i> , 2014 , 48, 120-128	2.9	5
21	Flint Type Analysis of Bifaces From Acheulo-Yabrudian Qesem Cave (Israel) Suggests an Older Acheulian Origin. <i>Journal of Paleolithic Archaeology</i> , 2020 , 3, 719-754	2.4	5
20	Acheulian shortcuts: Cumulative culture and the use of handaxes as cores for the production of predetermined blanks. <i>Journal of Archaeological Science: Reports</i> , 2021 , 36, 102822	0.7	5
19	Biface use in the Lower Paleolithic Levant: First insights from late Acheulean Revadim and Jaljulia (Israel). <i>Journal of Archaeological Science: Reports</i> , 2021 , 36, 102877	0.7	5
18	Prey Size Decline as a Unifying Ecological Selecting Agent in Pleistocene Human Evolution. <i>Quaternary</i> , 2021 , 4, 7	2.2	5
17	Setting fire in a Paleolithic Cave: The influence of cave dimensions on smoke dispersal. <i>Journal of Archaeological Science: Reports</i> , 2020 , 29, 102112	0.7	3
16	Hypoxia in Paleolithic decorated caves: the use of artificial light in deep caves reduces oxygen concentration and induces altered states of consciousness. <i>Time and Mind</i> , 2021 , 14, 181-216	0.4	3
15	Organized waste disposal in the Pottery Neolithic: A bifacial workshop refuse pit at Ein Zippori, Israel. <i>Journal of Field Archaeology</i> , 2016 , 41, 713-730	2	3
14	Technological persistency following faunal stability during the Pleistocene: A model for reconstructing Paleolithic adaptation strategies based on mosaic evolution. <i>Anthropologie</i> , 2021 , 125, 102839	0.5	3
13	The material and mental effects of animal disappearance on indigenous hunter-gatherers, past and present. <i>Time and Mind</i> , 2020 , 13, 5-33	0.4	2
12	Qesem Cave and the Acheulo-Yabrudian Cultural Complex of the Levant	203-214	2
11	Another Side of the Amudian Industry at Qesem Cave, Israel: The Southern Area Lithic Assemblage. <i>Lithic Technology</i> , 2017 , 42, 161-178	1.2	2
10	Seasonality, duration of the hominin occupations and hunting grounds at Middle Pleistocene Qesem Cave (Israel). <i>Archaeological and Anthropological Sciences</i> , 2021 , 13, 1	1.8	2
9	When Elephants Roamed Asia: The Significance of Proboscideans in Diet, Culture and Cosmology in Paleolithic Asia	2019, 33-62	2

8	Lower Paleolithic bone handaxes and chopsticks: Tools and symbols?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 30892-30893	11.5	2
7	State of the art of the multidisciplinary research at Middle Pleistocene Qesem Cave, Israel, 2015 □ An introduction. <i>Quaternary International</i> , 2016 , 398, 1-5	2	1
6	Human oral microbiome cannot predict Pleistocene starch dietary level, and dietary glucose consumption is not essential for brain growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	1
5	The influence of smoke density on hearth location and activity areas at Lower Paleolithic Lazaret Cave, France.. <i>Scientific Reports</i> , 2022 , 12, 1469	4.9	0
4	Function, life histories, and biographies of Lower Paleolithic patinated flint tools from Late Acheulian Revadim, Israel.. <i>Scientific Reports</i> , 2022 , 12, 2885	4.9	0
3	Late Acheulian Jaljulia - Early human occupations in the paleo-landscape of the central coastal plain of Israel.. <i>PLoS ONE</i> , 2022 , 17, e0267672	3.7	0
2	The Role of Side-Scrapers and Cortical Flakes in Late Acheulian Toolkits: Results of a Techno-functional Analysis from Revadim (Israel). <i>Lithic Technology</i> ,1-23	1.2	
1	Neanderthal and Woolly Mammoth Molecular Resemblance: Genetic Similarities May Underlie Cold Adaptation Suite. <i>Human Biology</i> , 2019 , 90, 115-128	1.2	