

# Ran Barkai

## List of Publications by Year in Descending Order

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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	The influence of smoke density on hearth location and activity areas at Lower Paleolithic Lazaret Cave, France.. <i>Scientific Reports</i> , <b>2022</b> , 12, 1469	4.9	0
96	Levantine overkill: 1.5 million years of hunting down the body size distribution. <i>Quaternary Science Reviews</i> , <b>2022</b> , 276, 107316	3.9	6
95	Function, life histories, and biographies of Lower Paleolithic patinated flint tools from Late Acheulian Revadim, Israel.. <i>Scientific Reports</i> , <b>2022</b> , 12, 2885	4.9	0
94	Late Acheulian Jaljulia - Early human occupations in the paleo-landscape of the central coastal plain of Israel.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0267672	3.7	0
93	Seasonality, duration of the hominin occupations and hunting grounds at Middle Pleistocene Qesem Cave (Israel). <i>Archaeological and Anthropological Sciences</i> , <b>2021</b> , 13, 1	1.8	2
92	The evolution of the human trophic level during the Pleistocene. <i>American Journal of Physical Anthropology</i> , <b>2021</b> , 175 Suppl 72, 27-56	2.5	14
91	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> , <b>2021</b> , 14, 181-216	0.4	3
90	Acheulian shortcuts: Cumulative culture and the use of handaxes as cores for the production of predetermined blanks. <i>Journal of Archaeological Science: Reports</i> , <b>2021</b> , 36, 102822	0.7	5
89	Biface use in the Lower Paleolithic Levant: First insights from late Acheulean Revadim and Jaljulia (Israel). <i>Journal of Archaeological Science: Reports</i> , <b>2021</b> , 36, 102877	0.7	5
88	An integrated study discloses chopping tools use from Late Acheulean Revadim (Israel). <i>PLoS ONE</i> , <b>2021</b> , 16, e0245595	3.7	8
87	The Elephant in the Handaxe: Lower Palaeolithic Ontologies and Representations. <i>Cambridge Archaeological Journal</i> , <b>2021</b> , 31, 349-361	0.8	6
86	Prey Size Decline as a Unifying Ecological Selecting Agent in Pleistocene Human Evolution. <i>Quaternary</i> , <b>2021</b> , 4, 7	2.2	5
85	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> , <b>2021</b> , 118,	11.5	1
84	Technological persistency following faunal stability during the Pleistocene: A model for reconstructing Paleolithic adaptation strategies based on mosaic evolution. <i>Anthropologie</i> , <b>2021</b> , 125, 102839	0.5	3
83	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> , <b>2020</b> , 59, 101192	1.9	11
82	The material and mental effects of animal disappearance on indigenous hunter-gatherers, past and present. <i>Time and Mind</i> , <b>2020</b> , 13, 5-33	0.4	2
81	Setting fire in a Paleolithic Cave: The influence of cave dimensions on smoke dispersal. <i>Journal of Archaeological Science: Reports</i> , <b>2020</b> , 29, 102112	0.7	3

80	Flint Type Analysis of Bifaces From Acheulo-Yabrudian Qesem Cave (Israel) Suggests an Older Acheulian Origin. <i>Journal of Paleolithic Archaeology</i> , <b>2020</b> , 3, 719-754	2.4	5
79	Lower Paleolithic bone handaxes and chopsticks: Tools and symbols?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 30892-30893	11.5	2
78	Shaped stone balls were used for bone marrow extraction at Lower Paleolithic Qesem Cave, Israel. <i>PLoS ONE</i> , <b>2020</b> , 15, e0230972	3.7	16
77	Animal residues found on tiny Lower Paleolithic tools reveal their use in butchery. <i>Scientific Reports</i> , <b>2019</b> , 9, 13031	4.9	26
76	Feathers and food: Human-bird interactions at Middle Pleistocene Qesem Cave, Israel. <i>Journal of Human Evolution</i> , <b>2019</b> , 136, 102653	3.1	16
75	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> , <b>2019</b> , 215, 86-97	3.9	20
74	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> , <b>2019</b> , 131, 109-128	3.1	26
73	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> , <b>2019</b> , 34, 661-683	1.4	8
72	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> , <b>2019</b> , 28, 102039	0.7	8
71	The Significance of Air Circulation and Hearth Location at Paleolithic Cave Sites. <i>Open Quaternary</i> , <b>2019</b> , 5,	1.1	6
70	Neanderthal and Woolly Mammoth Molecular Resemblance: Genetic Similarities May Underlie Cold Adaptation Suite. <i>Human Biology</i> , <b>2019</b> , 90, 115-128	1.2	
69	When Elephants Roamed Asia: The Significance of Proboscideans in Diet, Culture and Cosmology in Paleolithic Asia <b>2019</b> , 33-62		2
68	The Acheulean Handaxe Technological Persistence: A Case of Preferred Cultural Conservatism?. <i>Proceedings of the Prehistoric Society, London</i> , <b>2018</b> , 84, 1-19	1.5	29
67	Elephant and Mammoth Hunting during the Paleolithic: A Review of the Relevant Archaeological, Ethnographic and Ethno-Historical Records. <i>Quaternary</i> , <b>2018</b> , 1, 3	2.2	40
66	A middle paleolithic and neolithic/chalcolithic flint extraction and reduction complex at Mt. Achbara, Eastern Galilee, Israel. <i>Archaeological Research in Asia</i> , <b>2018</b> , 16, 14-33	1.9	11
65	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> , <b>2018</b> , 43, 255-268	1.2	9
64	Small Flake Acheulian: Further Insights into Lithic Recycling at Late Acheulian Revadim, Israel. <i>Tel Aviv</i> , <b>2018</b> , 45, 170-192	0.6	17
63	Fire for a Reason: Barbecue at Middle Pleistocene Qesem Cave, Israel. <i>Current Anthropology</i> , <b>2017</b> , 58, S314-S328	2.1	66

62	Another Side of the Amudian Industry at Qesem Cave, Israel: The Southern Area Lithic Assemblage. <i>Lithic Technology</i> , <b>2017</b> , 42, 161-178	1.2	2
61	Amudian versus Yabrudian under the rock shelf: A study of two lithic assemblages from Qesem Cave, Israel. <i>Quaternary International</i> , <b>2016</b> , 398, 13-36	2	21
60	What happens around a fire: Faunal processing sequences and spatial distribution at Qesem Cave (300 ka), Israel. <i>Quaternary International</i> , <b>2016</b> , 398, 190-209	2	47
59	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> , <b>2016</b> , 406, 239-245	2	13
58	Dental calculus reveals potential respiratory irritants and ingestion of essential plant-based nutrients at Lower Palaeolithic Qesem Cave Israel. <i>Quaternary International</i> , <b>2016</b> , 398, 129-135	2	58
57	Knowledge transmission and apprentice flint-knappers in the Acheulo-Yabrudian: A case study from Qesem Cave, Israel. <i>Quaternary International</i> , <b>2016</b> , 398, 70-85	2	27
56	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> , <b>2016</b> , 398, 210-218	2	22
55	Not the brain alone: The nutritional potential of elephant heads in Paleolithic sites. <i>Quaternary International</i> , <b>2016</b> , 406, 218-226	2	26
54	Raw material choices in Amudian versus Yabrudian lithic assemblages at Qesem Cave: A preliminary evaluation. <i>Quaternary International</i> , <b>2016</b> , 398, 61-69	2	25
53	Neandertals' large lower thorax may represent adaptation to high protein diet. <i>American Journal of Physical Anthropology</i> , <b>2016</b> , 160, 367-78	2.5	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> , <b>2016</b> , 398, 94-102	2	19
51	Regional variability in late Lower Paleolithic Amudian blade technology: Analyzing new data from Qesem, Tabun and Yabrud I. <i>Quaternary International</i> , <b>2016</b> , 398, 37-60	2	26
50	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> , <b>2016</b> , 398, 86-93	2	39
49	How did the Qesem Cave people use their teeth? Analysis of dental wear patterns. <i>Quaternary International</i> , <b>2016</b> , 398, 136-147	2	11
48	Spatial aspects as seen from a density analysis of lithics at Middle Pleistocene Qesem Cave: Preliminary results and observations. <i>Quaternary International</i> , <b>2016</b> , 398, 103-117	2	20
47	The use of elephant bones for making Acheulian handaxes: A fresh look at old bones. <i>Quaternary International</i> , <b>2016</b> , 406, 227-238	2	41
46	The microvertebrates of Qesem Cave: A comparison of the two concentrations. <i>Quaternary International</i> , <b>2016</b> , 398, 233-245	2	18
45	Palaeoecological and biostratigraphical implications of the microvertebrates of Qesem Cave in Israel. <i>Quaternary International</i> , <b>2016</b> , 398, 219-232	2	18

44	Tortoises as a dietary supplement: A view from the Middle Pleistocene site of Qesem Cave, Israel. <i>Quaternary Science Reviews</i> , <b>2016</b> , 133, 165-182	3.9	35
43	Birds as indicators of high biodiversity zones around the Middle Pleistocene Qesem Cave, Israel. <i>Quaternary International</i> , <b>2016</b> , 421, 23-31	2	5
42	New Middle Pleistocene dental remains from Qesem Cave (Israel). <i>Quaternary International</i> , <b>2016</b> , 398, 148-158	2	31
41	The Qesem Cave hominin material (part 1): A morphometric analysis of the mandibular premolars and molar. <i>Quaternary International</i> , <b>2016</b> , 398, 159-174	2	26
40	The Qesem Cave hominin material (part 2): A morphometric analysis of dm2-QC2 deciduous lower second molar. <i>Quaternary International</i> , <b>2016</b> , 398, 175-189	2	29
39	State of the art of the multidisciplinary research at Middle Pleistocene Qesem Cave, Israel, 2015 □ An introduction. <i>Quaternary International</i> , <b>2016</b> , 398, 1-5	2	1
38	Organized waste disposal in the Pottery Neolithic: A bifacial workshop refuse pit at Ein Zippori, Israel. <i>Journal of Field Archaeology</i> , <b>2016</b> , 41, 713-730	2	3
37	Early evidence of stone tool use in bone working activities at Qesem Cave, Israel. <i>Scientific Reports</i> , <b>2016</b> , 6, 37686	4.9	42
36	Extensive Paleolithic Flint Extraction and Reduction Complexes in the Nahal Dishon Central Basin, Upper Galilee, Israel. <i>Journal of World Prehistory</i> , <b>2016</b> , 29, 217-266	3.5	14
35	On anachronism: The curious presence of Spheroids and Polyhedrons at Acheulo-Mabrudian Qesem Cave, Israel. <i>Quaternary International</i> , <b>2016</b> , 398, 118-128	2	18
34	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> , <b>2015</b> , 361, 297-312	2	46
33	A taste of an elephant: The probable role of elephant meat in Paleolithic diet preferences. <i>Quaternary International</i> , <b>2015</b> , 379, 28-34	2	15
32	The function of recycled lithic items at late Lower Paleolithic Qesem Cave, Israel: An overview of the use-wear data. <i>Quaternary International</i> , <b>2015</b> , 361, 103-112	2	50
31	Intra-site variability in lithic recycling at Qesem Cave, Israel. <i>Quaternary International</i> , <b>2015</b> , 361, 88-102	2	35
30	Looking for sharp edges: Modes of flint recycling at Middle Pleistocene Qesem Cave, Israel. <i>Quaternary International</i> , <b>2015</b> , 361, 61-87	2	53
29	Small flake production and lithic recycling at Late Acheulian Revadim, Israel. <i>Quaternary International</i> , <b>2015</b> , 361, 46-60	2	36
28	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> , <b>2015</b> , 10, e0118572	3.7	71
27	Subsistence economy and social life: A zooarchaeological view from the 300 kya central hearth at Qesem Cave, Israel. <i>Journal of Anthropological Archaeology</i> , <b>2014</b> , 35, 248-268	1.9	53

26	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> , <b>2014</b> , 48, 120-128	2.9	5
25	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> , <b>2013</b> , 40, 3011-3020	2.9	74
24	Tree-Felling, Woodworking, and Changing Perceptions of the Landscape during the Neolithic and Chalcolithic Periods in the Southern Levant. <i>Current Anthropology</i> , <b>2013</b> , 54, 222-231	2.1	14
23	An Amudian Oddity: A Giant Biface from Late Lower Palaeolithic Qesem Cave. <i>Tel Aviv</i> , <b>2013</b> , 40, 176-186	6.6	27
22	Using bones to shape stones: MIS 9 bone retouchers at both edges of the Mediterranean Sea. <i>PLoS ONE</i> , <b>2013</b> , 8, e76780	3.7	64
21	Cultural and Biological Transformations in the Middle Pleistocene Levant: A View from Qesem Cave, Israel <b>2013</b> , 115-137		22
20	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> , <b>2012</b> , 7, e42442	3.7	16
19	Hearth-side socioeconomics, hunting and paleoecology during the late Lower Paleolithic at Qesem Cave, Israel. <i>Journal of Human Evolution</i> , <b>2011</b> , 60, 213-33	3.1	123
18	Systematic blade production at late Lower Paleolithic (400-200kyr) Qesem Cave, Israel. <i>Journal of Human Evolution</i> , <b>2011</b> , 61, 458-79	3.1	89
17	Middle Pleistocene dental remains from Qesem Cave (Israel). <i>American Journal of Physical Anthropology</i> , <b>2011</b> , 144, 575-92	2.5	99
16	Sitting on the tailing piles: creating extraction landscapes in Middle Pleistocene quarry complexes in the Levant. <i>World Archaeology</i> , <b>2011</b> , 43, 211-229	1.4	23
15	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> , <b>2011</b> , 6, e28689	3.7	108
14	The evolution of Neolithic and Chalcolithic woodworking tools and the intensification of human production: <b>2011</b> , 39-54		8
13	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> , <b>2009</b> , 106, 13207-12	11.5	167
12	Gravitational deformations and fillings of aging caves: The example of Qesem karst system, Israel. <i>Geomorphology</i> , <b>2009</b> , 106, 154-164	4.3	41
11	Midsummer Sunset at Neolithic Jericho. <i>Time and Mind</i> , <b>2008</b> , 1, 273-283	0.4	12
10	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> , <b>2007</b> , 53, 197-212	3.1	226
9	Use-wear analysis of an Amudian laminar assemblage from the Acheuleo-Yabrudian of Qesem Cave, Israel. <i>Journal of Archaeological Science</i> , <b>2006</b> , 33, 921-934	2.9	85

8	Flint procurement strategies in the Late Lower Palaeolithic recorded by in situ produced cosmogenic $^{10}\text{Be}$ in Tabun and Qesem Caves (Israel). <i>Journal of Archaeological Science</i> , <b>2005</b> , 32, 207-213	3.9	37
7	The geometric kebaran microlithic assemblage of Ain Miri, Northern Israel. <i>Paleorient</i> , <b>2004</b> , 30, 127-140	0.3	9
6	Microwear analysis of early Neolithic (PPNA) axes and bifacial tools from Netiv Hagdud in the Jordan Valley, Israel. <i>Journal of Archaeological Science</i> , <b>2003</b> , 30, 1051-1066	2.9	15
5	Palaeolithic landscape of extraction: flint surface quarries and workshops at Mt Pua, Israel. <i>Antiquity</i> , <b>2002</b> , 76, 672-680	1	29
4	Resharpener and Recycling of Flint Bifacial Tools from the Southern Levant Neolithic and Chalcolithic. <i>Proceedings of the Prehistoric Society, London</i> , <b>1999</b> , 65, 303-318	1.5	9
3	Qesem Cave and the Acheulo-Yabrudian Cultural Complex of the Levant	203-214	2
2	Changing the Face of the Earth: Human Behavior at Sede Ilan, an Extensive Lower Middle Paleolithic Quarry Site in Israel	174-185	10
1	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	