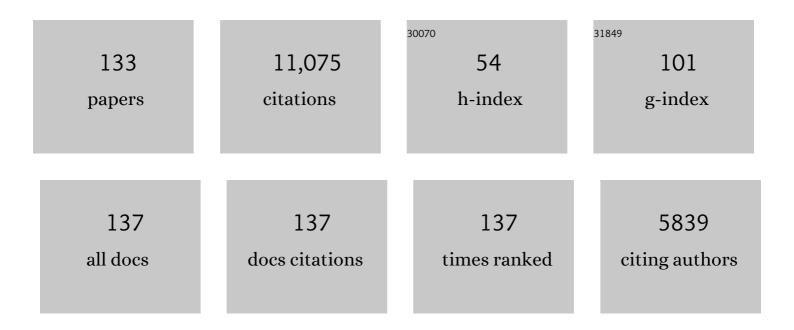
Zenobia Jacobs

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Bayesian analysis of De distributions in optical dating: Towards a robust method for dealing with outliers. Quaternary Geochronology, 2022, 67, 101230.	1.4	8
2	Beta dose heterogeneity in sediment samples measured using a Timepix pixelated detector and its implications for optical dating of individual mineral grains. Quaternary Geochronology, 2022, 68, 101254.	1.4	12
3	Winds of change: Climate variability in a mild glacial on the east coast of South Africa, inferred from submerged aeolianites and the archaeological record of Sibudu. Quaternary International, 2022, 638-639, 23-36.	1.5	7
4	Chronostratigraphy of sediment cores from Lake Selina, southeastern Australia: Radiocarbon, optically stimulated luminescence, paleomagnetism, authigenic beryllium isotopes and elemental data. Data in Brief, 2022, 42, 108144.	1.0	0
5	Human occupation of the Kimberley coast of northwest Australia 50,000 years ago. Quaternary Science Reviews, 2022, 288, 107577.	3.0	11
6	Cave life histories of non-anthropogenic sediments help us understand associated archaeological contexts. Quaternary Research, 2021, 99, 270-289.	1.7	7
7	Calibration of a QEM-EDS system for rapid determination of potassium concentrations of feldspar grains used in optical dating. Quaternary Geochronology, 2021, 61, 101123.	1.4	4
8	Comparing interglacials in eastern Australia: A multi-proxy investigation of a new sedimentary record. Quaternary Science Reviews, 2021, 252, 106750.	3.0	14
9	Chronostratigraphy of a 270-ka sediment record from Lake Selina, Tasmania: Combining radiometric, geomagnetic and climatic dating. Quaternary Geochronology, 2021, 62, 101152.	1.4	4
10	Stochastic models support rapid peopling of Late Pleistocene Sahul. Nature Communications, 2021, 12, 2440.	12.8	32
11	Unearthing Neanderthal population history using nuclear and mitochondrial DNA from cave sediments. Science, 2021, 372, .	12.6	86
12	Diverse stone artefacts around Lake Woods, Central Northern Territory, Australia. Australian Archaeology, 2021, 87, 156-178.	0.6	1
13	Pleistocene sediment DNA reveals hominin and faunal turnovers at Denisova Cave. Nature, 2021, 595, 399-403.	27.8	67
14	Composite grains from volcanic terranes: Internal dose rates of supposed â€~potassium-rich' feldspar grains used for optical dating at Liang Bua, Indonesia. Quaternary Geochronology, 2021, 64, 101182.	1.4	9
15	Establishing a pIRIR procedure for De determination of composite mineral grains from volcanic terranes: A case study of sediments from Liang Bua, Indonesia. Quaternary Geochronology, 2021, 65, 101181.	1.4	5
16	A worked bone assemblage from 120,000–90,000 year old deposits at Contrebandiers Cave, Atlantic Coast, Morocco. IScience, 2021, 24, 102988.	4.1	23
17	The chronological, sedimentary and environmental context for the archaeological deposits at Blombos Cave, South Africa. Quaternary Science Reviews, 2020, 235, 105850.	3.0	35
18	Palaeochannels of Australia's Riverine Plain - Reconstructing past vegetation environments across the Late Pleistocene and Holocene. Palaeogeography, Palaeoclimatology, Palaeoecology, 2020, 545, 109533.	2.3	6

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19	Migration of Pleistocene shorelines across the Palaeo-Agulhas Plain: Evidence from dated sub-bottom profiles and archaeological shellfish assemblages. Quaternary Science Reviews, 2020, 235, 106107.	3.0	24
20	Denisovan DNA in Late Pleistocene sediments from Baishiya Karst Cave on the Tibetan Plateau. Science, 2020, 370, 584-587.	12.6	129
21	Validation of the LnTn method for De determination in optical dating of K-feldspar and quartz. Quaternary Geochronology, 2020, 58, 101066.	1.4	12
22	Establishing standardised growth curves (SGCs) for OSL signals from individual grains of quartz: A continental-scale case study. Quaternary Geochronology, 2020, 60, 101107.	1.4	13
23	Modelling heterogeneously bleached single-grain equivalent dose distributions: Implications for the reliability of burial dose determination. Quaternary Geochronology, 2020, 60, 101108.	1.4	12
24	A high-resolution late Quaternary depositional history and chronology for the southern portion of the Lake Mungo lunette, semi-arid Australia. Quaternary Science Reviews, 2020, 233, 106224.	3.0	16
25	Single-Grain Quartz OSL Characteristics: Testing for Correlations within and between Sites in Asia, Europe and Africa. Methods and Protocols, 2020, 3, 2.	2.0	6
26	Archaeological evidence for two separate dispersals of Neanderthals into southern Siberia. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2879-2885.	7.1	71
27	Robberg Material Procurement and Transport in the Doring River Catchment: Evidence from the Open-Air Locality of Uitspankraal 9, Western Cape, South Africa. Journal of African Archaeology, 2020, 18, 209-228.	0.6	5
28	Hominin and animal activities in the microstratigraphic record from Denisova Cave (Altai Mountains,) Tj ETQq0 0	0 ggBT /O	verlock 10 Tt
29	Timing of archaic hominin occupation of Denisova Cave in southern Siberia. Nature, 2019, 565, 594-599.	27.8	134
30	Age estimates for hominin fossils and the onset of the Upper Palaeolithic at Denisova Cave. Nature, 2019, 565, 640-644.	27.8	137
31	Minimum founding populations for the first peopling of Sahul. Nature Ecology and Evolution, 2019, 3, 1057-1063.	7.8	34
32	Hafting of Middle Paleolithic tools in Latium (central Italy): New data from Fossellone and Sant'Agostino caves. PLoS ONE, 2019, 14, e0213473.	2.5	37
33	FosSahul 2.0, an updated database for the Late Quaternary fossil records of Sahul. Scientific Data, 2019, 6, 272.	5.3	19
34	Reply to comments on Clarkson etÂal. (2017) â€~Human occupation of northern Australia by 65,000 years ago'. Australian Archaeology, 2018, 84, 84-89.	0.6	16
35	Single-grain dating of potassium-rich feldspar grains: Towards a global standardised growth curve for the post-IR IRSL signal. Quaternary Geochronology, 2018, 45, 23-36.	1.4	21
36	Depositional and sea-level history from MIS 6 (Termination II) to MIS 3 on the southern continental shelf of South Africa. Quaternary Science Reviews, 2018, 181, 156-172.	3.0	80

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37	Humans thrived in South Africa through the Toba eruption about 74,000 years ago. Nature, 2018, 555, 511-515.	27.8	66
38	Beta dose variability and its spatial contextualisation in samples used for optical dating: An empirical approach to examining beta microdosimetry. Quaternary Geochronology, 2018, 44, 23-37.	1.4	17
39	Timelines for Human Evolution and Dispersals. Elements, 2018, 14, 27-32.	0.5	6
40	Optical dating of K-feldspar grains from Middle Pleistocene lacustrine sediment at Marathousa 1 (Greece). Quaternary International, 2018, 497, 170-177.	1.5	12
41	Revisiting an arid LGM using fluvial archives: a luminescence chronology for palaeochannels of the Murrumbidgee River, southâ€eastern Australia. Journal of Quaternary Science, 2018, 33, 777-793.	2.1	20
42	Neandertal and Denisovan DNA from Pleistocene sediments. Science, 2017, 356, 605-608.	12.6	329
43	Variability in quartz OSL signals caused by measurement uncertainties: Problems and solutions. Quaternary Geochronology, 2017, 41, 11-25.	1.4	35
44	Single-grain OSL chronologies for the Still Bay and Howieson's Poort industries and the transition between them: Further analyses and statistical modelling. Journal of Human Evolution, 2017, 107, 1-13.	2.6	59
45	The chronostratigraphy of the Haua Fteah cave (Cyrenaica, northeast Libya) — Optical dating of early human occupation during Marine Isotope Stages 4, 5 and 6. Journal of Human Evolution, 2017, 105, 69-88.	2.6	24
46	Human occupation of northern Australia by 65,000 years ago. Nature, 2017, 547, 306-310.	27.8	691
47	Optically Stimulated Luminescence (OSL) Dating. Encyclopedia of Earth Sciences Series, 2017, , 550-555.	0.1	0
48	Unexpected Convergent Evolution of Nasal Domes between Pleistocene Bovids and Cretaceous Hadrosaur Dinosaurs. Current Biology, 2016, 26, 556.	3.9	0
49	The age of three Middle Palaeolithic sites: Single-grain optically stimulated luminescence chronologies for Pech de l'Azé I, II and IV in France. Journal of Human Evolution, 2016, 95, 80-103.	2.6	23
50	A late Quaternary vertebrate deposit in Kudjal Yolgah Cave, southâ€western Australia: refining regional late Pleistocene extinctions. Journal of Quaternary Science, 2016, 31, 538-550.	2.1	19
51	A comprehensive database of quality-rated fossil ages for Sahul's Quaternary vertebrates. Scientific Data, 2016, 3, 160053.	5.3	16
52	Investigation of the applicability of standardised growth curves for OSL dating of quartz from Haua Fteah cave, Libya. Quaternary Geochronology, 2016, 35, 1-15.	1.4	52
53	Climate change not to blame for late Quaternary megafauna extinctions in Australia. Nature Communications, 2016, 7, 10511.	12.8	109
54	What caused extinction of the Pleistocene megafauna of Sahul?. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152399.	2.6	41

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55	Unexpected Convergent Evolution of Nasal Domes between Pleistocene Bovids and Cretaceous Hadrosaur Dinosaurs. Current Biology, 2016, 26, 503-508.	3.9	18
56	Towards an Accurate and Precise Chronology for the Colonization of Australia: The Example of Riwi, Kimberley, Western Australia. PLoS ONE, 2016, 11, e0160123.	2.5	58
57	Nouvelles données morpho-stratigraphiques et géochronologiques sur le cordon littoral externe (SIM 5-c) de Rabat–Témara, Maroc. Geomorphologie Relief, Processus, Environnement, 2016, 22, 253-264.	0.4	5
58	Pleistocene Archaeology and Chronology of Putslaagte 8 (PL8) Rockshelter, Western Cape, South Africa. Journal of African Archaeology, 2015, 13, 71-98.	0.6	44
59	The archaeology, chronology and stratigraphy of Madjedbebe (Malakunanja II): A site in northern Australia with early occupation. Journal of Human Evolution, 2015, 83, 46-64.	2.6	107
60	Terminal Pleistocene and Early Holocene archaeology and stratigraphy of the southern Nejd, Oman. Quaternary International, 2015, 382, 250-263.	1,5	17
61	Distal tephras of the eastern Lake Victoria basin, equatorial East Africa: correlations, chronology and a context for early modern humans. Quaternary Science Reviews, 2015, 122, 89-111.	3.0	53
62	Optical dating and soil micromorphology at MacCauley's Beach, New South Wales, Australia. Earth Surface Processes and Landforms, 2015, 40, 229-242.	2.5	9
63	Potential of establishing a â€~global standardised growth curve' (gSGC) for optical dating of quartz from sediments. Quaternary Geochronology, 2015, 27, 94-104.	1.4	48
64	Construction of a â€~global standardised growth curve' (gSGC) for infrared stimulated luminescence dating of K-feldspar. Quaternary Geochronology, 2015, 27, 119-130.	1.4	41
65	Interpreting human behavior from depositional rates and combustion features through the study of sedimentary microfacies at site Pinnacle Point 5-6, South Africa. Journal of Human Evolution, 2015, 85, 1-21.	2.6	80
66	Technical considerations and methodology for creating high-resolution, color-corrected, and georectified photomosaics of stratigraphic sections at archaeological sites. Journal of Archaeological Science, 2015, 57, 380-394.	2.4	16
67	Optical dating in archaeology: thirty years in retrospect and grand challenges for the future. Journal of Archaeological Science, 2015, 56, 41-60.	2.4	110
68	Criteria for assessing the quality of Middle Pleistocene to Holocene vertebrate fossil ages. Quaternary Geochronology, 2015, 30, 69-79.	1.4	31
69	An improved single grain OSL chronology for the sedimentary deposits from Diepkloof Rockshelter, Western Cape, South Africa. Journal of Archaeological Science, 2015, 63, 175-192.	2.4	73
70	Testing of a single grain OSL chronology across the Middle to Upper Palaeolithic transition at Les Cottés (France). Journal of Archaeological Science, 2015, 54, 110-122.	2.4	30
71	Luminescence Dating, Single-Grain Dose Distribution. Encyclopedia of Earth Sciences Series, 2015, , 435-440.	0.1	0
72	Continuity of mammalian fauna over the last 200,000 y in the Indian subcontinent. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5848-5853.	7.1	47

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73	A single-aliquot luminescence dating procedure for K-feldspar based on the dose-dependent MET-pIRIR signal sensitivity. Quaternary Geochronology, 2014, 20, 51-64.	1.4	39
74	The chronostratigraphy of the Haua Fteah cave (Cyrenaica, northeast Libya). Journal of Human Evolution, 2014, 66, 39-63.	2.6	118
75	Review and assessment of the potential of post-IR IRSL dating methods to circumvent the problem of anomalous fading in feldspar luminescence. Geochronometria, 2014, 41, 178-201.	0.8	116
76	Testing a model of alluvial deposition in the Middle Son Valley, Madhya Pradesh, India — IRSL dating of terraced alluvial sediments and implications for archaeological surveys and palaeoclimatic reconstructions. Quaternary Science Reviews, 2014, 89, 56-69.	3.0	7
77	Assessing the time of final deposition of Youngest Toba Tuff deposits in the Middle Son Valley, northern India. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 399, 127-139.	2.3	12
78	Putslaagte 1 (PL1), the Doring River, and the later Middle Stone Age in southern Africa's Winter Rainfall Zone. Quaternary International, 2014, 350, 43-58.	1.5	34
79	Luminescence Dating, Single-Grain Dose Distribution. , 2014, , 1-8.		0
80	An improved OSL chronology for the Still Bay layers at Blombos Cave, South Africa: further tests of single-grain dating procedures and a re-evaluation of the timing of the Still Bay industry across southern Africa. Journal of Archaeological Science, 2013, 40, 579-594.	2.4	96
81	On the industrial attributions of the Aterian and Mousterian of the Maghreb. Journal of Human Evolution, 2013, 64, 194-210.	2.6	89
82	Paleoanthropologically significant South African sea caves dated to 1.1–1.0 million years using a combination of U–Pb, TT-OSL and palaeomagnetism. Quaternary Science Reviews, 2013, 65, 39-52.	3.0	56
83	Extending the age limit of luminescence dating using the dose-dependent sensitivity of MET-pIRIR signals from K-feldspar. Quaternary Geochronology, 2013, 17, 55-67.	1.4	48
84	On the dose dependency of the bleachable and non-bleachable components of IRSL from K-feldspar: Improved procedures for luminescence dating of Quaternary sediments. Quaternary Geochronology, 2013, 17, 1-13.	1.4	38
85	Neandertals made the first specialized bone tools in Europe. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14186-14190.	7.1	217
86	Stone tools and foraging in northern Madagascar challenge Holocene extinction models. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12583-12588.	7.1	122
87	Controls On the Genesis, Sedimentary Architecture, and Preservation Potential of Dryland Alluvial Successions In Stable Continental Interiors: Insights from the Incising Modder River, South Africa. Journal of Sedimentary Research, 2013, 83, 541-561.	1.6	43
88	Beyond the Levant: First Evidence of a Pre-Pottery Neolithic Incursion into the Nefud Desert, Saudi Arabia. PLoS ONE, 2013, 8, e68061.	2.5	61
89	An early and enduring advanced technology originating 71,000 years ago in South Africa. Nature, 2012, 491, 590-593.	27.8	253
90	Johann Carl Vogel (7 September 1932–30 January 2012). Quaternary Geochronology, 2012, 9, 1-2.	1.4	0

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91	Natural variations in the properties of TL and IRSL emissions from metamorphic and volcanic K-feldspars from East Africa: Assessing their reliability for dating. Radiation Measurements, 2012, 47, 659-664.	1.4	4
92	Sources of overdispersion in a K-rich feldspar sample from north-central India: Insights from De, K content and IRSL age distributions for individual grains. Radiation Measurements, 2012, 47, 696-702.	1.4	30
93	Afromontane foragers of the Late Pleistocene: Site formation, chronology and occupational pulsing at Melikane Rockshelter, Lesotho. Quaternary International, 2012, 270, 40-60.	1.5	79
94	Melting ice sheets 400,000 yr ago raised sea level by 13 m: Past analogue for future trends. Earth and Planetary Science Letters, 2012, 357-358, 226-237.	4.4	89
95	Late Quaternary mega-lakes fed by the northern and southern river systems of central Australia: Varying moisture sources and increased continental aridity. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 356-357, 89-108.	2.3	56
96	Luminescence characteristics and dose distributions for quartz and feldspar grains from Mumba rockshelter, Tanzania. Archaeological and Anthropological Sciences, 2012, 4, 115-135.	1.8	31
97	Single-grain OSL chronologies for Middle Palaeolithic deposits at El Mnasra and El Harhoura 2, Morocco: Implications for Late Pleistocene human–environment interactions along the Atlantic coast of northwest Africa. Journal of Human Evolution, 2012, 62, 377-394.	2.6	100
98	New ages for Middle and Later Stone Age deposits at Mumba rockshelter, Tanzania: Optically stimulated luminescence dating of quartz and feldspar grains. Journal of Human Evolution, 2012, 62, 533-547.	2.6	125
99	A 100,000-Year-Old Ochre-Processing Workshop at Blombos Cave, South Africa. Science, 2011, 334, 219-222.	12.6	440
100	Single-grain OSL dating at La Grotte des Contrebandiers (â€~Smugglers' Cave'), Morocco: improved age constraints for the Middle Paleolithic levels. Journal of Archaeological Science, 2011, 38, 3631-3643.	2.4	87
101	Environmental implications of micromammals accumulated close to the MIS 6 to MIS 5 transition at Pinnacle Point Cave 9 (Mossel Bay, Western Cape Province, South Africa). Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 302, 213-229.	2.3	66
102	Development of the SAR TT-OSL procedure for dating Middle Pleistocene dune and shallow marine deposits along the southern Cape coast of South Africa. Quaternary Geochronology, 2011, , .	1.4	8
103	Continental aridification and the vanishing of Australia's megalakes. Geology, 2011, 39, 167-170.	4.4	78
104	The origin and development of the Nyl River floodplain wetland, Limpopo Province, South Africa: trunk–tributary river interactions in a dryland setting. Southern African Geographical Journal, 2011, 93, 172-190.	1.8	30
105	An OSL chronology for the sedimentary deposits from Pinnacle Point Cave 13B—A punctuated presence. Journal of Human Evolution, 2010, 59, 289-305.	2.6	87
106	The last interglacial sea-level high stand on the southern Cape coastline of South Africa. Quaternary Research, 2010, 73, 351-363.	1.7	89
107	Were environmental or demographic factors the driving force behind Middle Stone Age innovations in southern Africa?. South African Journal of Science, 2010, 105, .	0.7	0
108	Timing and dynamics of Late Pleistocene mammal extinctions in southwestern Australia. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 22157-22162.	7.1	78

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109	New Excavations of Middle Stone Age Deposits at Apollo 11 Rockshelter, Namibia: Stratigraphy, Archaeology, Chronology and Past Environments. Journal of African Archaeology, 2010, 8, 185-218.	0.6	162
110	Still Bay and serrated points from Umhlatuzana Rock Shelter, Kwazulu-Natal, South Africa. Journal of Archaeological Science, 2010, 37, 1773-1784.	2.4	66
111	A high resolution and continuous isotopic speleothem record of paleoclimate and paleoenvironment from 90 to 53Âka from Pinnacle Point on the south coast of South Africa. Quaternary Science Reviews, 2010, 29, 2131-2145.	3.0	213
112	Fire As an Engineering Tool of Early Modern Humans. Science, 2009, 325, 859-862.	12.6	459
113	Catalysts for Stone Age innovations. Communicative and Integrative Biology, 2009, 2, 191-193.	1.4	46
114	Last Interglacial Age for aeolian and marine deposits and the Nahoon fossil human footprints, Southeast Coast of South Africa. Quaternary Geochronology, 2009, 4, 160-169.	1.4	39
115	Human History Written in Stone and Blood. American Scientist, 2009, 97, 302.	0.1	20
116	Dating, Paleoenvironments, and Archaeology: A Progress Report on the Sunnyside 1 Site, Clarens, South Africa. Archeological Papers of the American Anthropological Association, 2008, 16, 139-149.	0.2	8
117	Luminescence chronologies for coastal and marine sediments. Boreas, 2008, 37, 508-535.	2.4	122
118	Equivalent dose distributions from single grains of quartz at Sibudu, South Africa: context, causes and consequences for optical dating of archaeological deposits. Journal of Archaeological Science, 2008, 35, 1808-1820.	2.4	82
119	New ages for the post-Howiesons Poort, late and final Middle Stone Age at Sibudu, South Africa. Journal of Archaeological Science, 2008, 35, 1790-1807.	2.4	171
120	Ages for the Middle Stone Age of Southern Africa: Implications for Human Behavior and Dispersal. Science, 2008, 322, 733-735.	12.6	461
121	Late-surviving megafauna in Tasmania, Australia, implicate human involvement in their extinction. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12150-12153.	7.1	97
122	Advances in optically stimulated luminescence dating of individual grains of quartz from archeological deposits. Evolutionary Anthropology, 2007, 16, 210-223.	3.4	159
123	Early human use of marine resources and pigment in South Africa during the Middle Pleistocene. Nature, 2007, 449, 905-908.	27.8	725
124	Progress and pitfalls in radiocarbon dating. Nature, 2006, 443, E3-E3.	27.8	22
125	Interpretation of single grain distributions and calculation of. Radiation Measurements, 2006, 41, 264-277.	1.4	186
126	Evaluation of SAR procedures for determination using single aliquots of quartz from two archaeological sites in South Africa. Radiation Measurements, 2006, 41, 520-533.	1.4	25

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127	Extending the chronology of deposits at Blombos Cave, South Africa, back to 140ka using optical dating of single and multiple grains of quartz. Journal of Human Evolution, 2006, 51, 255-273.	2.6	204
128	Middle Stone Age Shell Beads from South Africa. Science, 2004, 304, 404-404.	12.6	460
129	Optical dating of dune sand from Blombos Cave, South Africa: l—multiple grain data. Journal of Human Evolution, 2003, 44, 599-612.	2.6	122
130	Optical dating of dune sand from Blombos Cave, South Africa: Il—single grain data. Journal of Human Evolution, 2003, 44, 613-625.	2.6	161
131	Emergence of Modern Human Behavior: Middle Stone Age Engravings from South Africa. Science, 2002, 295, 1278-1280.	12.6	737
132	The Cyrenaican Prehistory Project 2008: the second season of investigations of the Haua Fteah cave and its landscape, and further results from the initial (2007) fieldwork. Libyan Studies, 2000, 39, 175-221.	0.1	48
133	A re-examination of a human femur found at the Blind River Site, East London, South Africa: Its age, morphology, and breakage pattern. Anthropological Review, 0, 71, 43-61.	0.3	13