Shannon P Mcpherron

List of Publications by Year
in descending order

99 papers	5,342 citations	94433 37 h-index	91884 69 g-index
105 all docs	105 docs citations	105 times ranked	3293 citing authors

#	Article	IF	Citations
1	Evidence for stone-tool-assisted consumption of animal tissues before 3.39 million years ago at Dikika, Ethiopia. Nature, 2010, 466, 857-860.	27.8	615
2	The age of the hominin fossils from Jebel Irhoud, Morocco, and the origins of the Middle Stone Age. Nature, 2017, 546, 293-296.	27.8	371
3	Additional evidence on the use of personal ornaments in the Middle Paleolithic of North Africa. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16051-16056.	7.1	289
4	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
5	Handaxes as a Measure of the Mental Capabilities of Early Hominids. Journal of Archaeological Science, 2000, 27, 655-663.	2.4	194
6	Initial Upper Palaeolithic Homo sapiens from Bacho Kiro Cave, Bulgaria. Nature, 2020, 581, 299-302.	27.8	188
7	Strontium isotope evidence for migration in late Pleistocene Rangifer: Implications for Neanderthal hunting strategies at the Middle Palaeolithic site of Jonzac, France. Journal of Human Evolution, 2011, 61, 176-185.	2.6	139
8	Major Fallacies Surrounding Stone Artifacts and Assemblages. Journal of Archaeological Method and Theory, 2017, 24, 813-851.	3.0	127
9	Testing the Reality of a â€œLiving Floorâ€•with Archaeological Data. American Antiquity, 1997, 62, 629-651.	1.1	120
10	Initial Upper Palaeolithic humans in Europe had recent Neanderthal ancestry. Nature, 2021, 592, 253-257.	27.8	119
11	Neandertal mobility and large-game hunting: The exploitation of reindeer during the Quina Mousterian at Chez-Pinaud Jonzac (Charente-Maritime, France). Journal of Human Evolution, 2012, 63, 624-635.	2.6	116
12	Earliest known Oldowan artifacts at >2.58 Ma from Ledi-Geraru, Ethiopia, highlight early technological diversity. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11712-11717.	7.1	115
13	New evidence on Neandertal use of fire: Examples from Roc de Marsal and Pech de lâ€™AzÃ© IV. Quaternary International, 2012, 247, 325-340.	1.5	112
14	The Missing Mousterian. Current Anthropology, 2006, 47, 777-803.	1.6	110
15	Artifact orientations and site formation processes from total station proveniences. Journal of Archaeological Science, 2005, 32, 1003-1014.	2.4	108
16	The handaxe reloaded: A morphometric reassessment of Acheulian and Middle Paleolithic handaxes. Journal of Human Evolution, 2011, 61, 61-74.	2.6	108
17	Early Stone Tools and Cultural Transmission: Resetting the Null Hypothesis. Current Anthropology, 2017, 58, 652-672.	1.6	95
18	Structured light scanning for high-resolution documentation of in situ archaeological finds. Journal of Archaeological Science, 2009, 36, 19-24.	2.4	92

#	Article	IF	Citations
19	Evidence for Neandertal use of fire at Roc de Marsal (France). Journal of Archaeological Science, 2012, 39, 2414-2423.	2.4	87
20	Isotopic dietary analysis of a Neanderthal and associated fauna from the site of Jonzac (Charente-Maritime), France. Journal of Human Evolution, 2008, 55, 179-185.	2.6	86
21	A 14C chronology for the Middle to Upper Palaeolithic transition at Bacho Kiro Cave, Bulgaria. Nature Ecology and Evolution, 2020, 4, 794-801.	7.8	85
22	A Preliminary Report on Pech de lâ€™AzÃ© IV, Layer 8 (Middle Paleolithic, France). PaleoAnthropology, 0, 2009, 182-219.	3.0	80
23	The Roc de Marsal Neandertal child: A reassessment of its status as a deliberate burial. Journal of Human Evolution, 2011, 61, 243-253.	2.6	70
24	Timing of the appearance of habitual fire use. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E298; author reply E299.	7.1	67
25	How Did Hominins Adapt to Ice Age Europe without Fire?. Current Anthropology, 2017, 58, S278-S287.	1.6	61
26	Multi-method (TL and OSL), multi-material (quartz and flint) dating of the Mousterian site of Roc de Marsal (Dordogne, France): correlating Neanderthal occupations with the climatic variability of MIS 5â€“3. Journal of Archaeological Science, 2012, 39, 3071-3084.	2.4	58
27	An experimental assessment of the influences on edge damage to lithic artifacts: a consideration of edge angle, substrate grain size, raw material properties, and exposed face. Journal of Archaeological Science, 2014, 49, 70-82.	2.4	54
28	Notched Tool Reuse and Raw Material Availability in French Middle Paleolithic Sites. American Antiquity, 1996, 61, 377-387.	1.1	52
29	Nubian Complex strategies in the Egyptian high desert. Journal of Human Evolution, 2010, 59, 188-201.	2.6	52
30	A critical look at evidence from La Chapelle-aux-Saints supporting an intentional Neandertal burial. Journal of Archaeological Science, 2015, 53, 649-657.	2.4	51
31	What is Still Bay? Human biogeography and bifacial point variability. Journal of Human Evolution, 2016, 97, 58-72.	2.6	50
32	Diachronic Change within the Still Bay at Blombos Cave, South Africa. PLoS ONE, 2015, 10, e0132428.	2.5	49
33	Taphonomy of fossils from the hominin-bearing deposits at Dikika, Ethiopia. Journal of Human Evolution, 2015, 86, 112-135.	2.6	48
34	The open-air site of Tolbor 16 (Northern Mongolia): Preliminary results and perspectives. Quaternary International, 2014, 347, 53-65.	1.5	45
35	Two million years of flaking stone and the evolutionary efficiency of stone tool technology. Nature Ecology and Evolution, 2018, 2, 628-633.	7.8	43
36	Differentiating between cutting actions on bone using 3D geometric morphometrics and Bayesian analyses with implications to human evolution. Journal of Archaeological Science, 2018, 89, 56-67.	2.4	43

#	Article	IF	Citations
37	Additional statistical and graphical methods for analyzing site formation processes using artifact orientations. PLoS ONE, 2018, 13, e0190195.	2.5	39
38	Tool-marked bones from before the Oldowan change the paradigm. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E116; author reply E117.	7.1	38
39	Time wears on: Assessing how bone wears using 3D surface texture analysis. PLoS ONE, 2018, 13, e0206078.	2.5	38
40	Establishing statistical confidence in Cortex Ratios within and among lithic assemblages: a case study of the Middle Paleolithic of southwestern France. Journal of Archaeological Science, 2015, 59, 89-109.	2.4	37
41	A geometric morphometric relationship predicts stone flake shape and size variability. Archaeological and Anthropological Sciences, 2018, 10, 1991-2003.	1.8	37
42	Stone Tool Analysis Using Digitized Images: Examples from the Lower and Middle Paleolithic. Lithic Technology, 1999, 24, 38-52.	1.1	35
43	Were Western European Neandertals Able to Make Fire?. Journal of Paleolithic Archaeology, 2018, 1, 54-79.	1.7	35
44	Thermoluminescence dates for the Middle Palaeolithic site of Chez-Pinaud Jonzac (France). Journal of Archaeological Science, 2013, 40, 1176-1185.	2.4	32
45	Edge Length and Surface Area of a Blank: Experimental Assessment of Measures, Size Predictions and Utility. PLoS ONE, 2015, 10, e0133984.	2.5	32
46	A New Chronology for Rhafas, Northeast Morocco, Spanning the North African Middle Stone Age through to the Neolithic. PLoS ONE, 2016, 11, e0162280.	2.5	30
47	On the Computerization of Archaeological Projects. Journal of Field Archaeology, 1988, 15, 431-440.	1.3	29
48	Demography and the demise of Neandertals: A comment on â€˜Tenfold population increase in Western Europe at the Neandertal-to-modern human transitionâ€™. Journal of Human Evolution, 2013, 64, 311-313.	2.6	29
49	The absolute chronology of Boker Tachtit (Israel) and implications for the Middle to Upper Paleolithic transition in the Levant. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	29
50	The late Middle Palaeolithic in Southwest France: New TL dates for the sequence of Pech de l'AzÃ© IV. Quaternary International, 2013, 294, 160-167.	1.5	28
51	TL dates for the Middle Paleolithic site of Combe-Capelle Bas, France. Journal of Archaeological Science, 2003, 30, 1443-1450.	2.4	26
52	Middle Palaeolithic Lithic Technology from the Western High Desert of Egypt. Journal of Field Archaeology, 2009, 34, 307-318.	1.3	26
53	Context, curation, and bias: an evaluation of the Middle Paleolithic collections of Combe-Grenal (France). Journal of Archaeological Science, 2009, 36, 2540-2550.	2.4	25
54	Subarctic climate for the earliest Homo sapiens in Europe. Science Advances, 2021, 7, eabi4642.	10.3	25

#	Article	IF	Citations
55	High Desert Paleolithic Survey at Abydos, Egypt. Journal of Field Archaeology, 2005, 30, 283-303.	1.3	24
56	Excavator Bias at the Site of Pech de l'AzÃ© IV, France. Journal of Field Archaeology, 2005, 30, 317-328.	1.3	23
57	What is â€˜in situâ€™? A reply to Harmand etÂal. (2015). Journal of Human Evolution, 2020, 142, 102740.	2.6	23
58	Radiocarbon dates for the late Middle Palaeolithic at Pech de l'AzÃ© IV, France. Journal of Archaeological Science, 2012, 39, 3436-3442.	2.4	22
59	The results of lithic experiments performed on glass cores are applicable to other raw materials. Archaeological and Anthropological Sciences, 2020, 12, 1.	1.8	21
60	Fossils from Mille-Logya, Afar, Ethiopia, elucidate the link between Pliocene environmental changes and Homo origins. Nature Communications, 2020, 11, 2480.	12.8	20
61	A method for the taphonomic assessment of bone tools using 3D surface texture analysis of bone microtopography. Archaeological and Anthropological Sciences, 2020, 12, 1.	1.8	20
62	Aggregates, Formational Emergence, and the Focus on Practice in Stone Artifact Archaeology. Journal of Archaeological Method and Theory, 2020, 27, 887-928.	3.0	19
63	The rodents from the late middle Pleistocene hominid-bearing site of J'bel Irhoud, Morocco, and their chronological and paleoenvironmental implications. Quaternary Research, 2013, 80, 552-561.	1.7	18
64	Digital data collection in paleoanthropology. Evolutionary Anthropology, 2015, 24, 238-249.	3.4	17
65	Measuring spatial structure in time-averaged deposits insights from Roc de Marsal, France. Archaeological and Anthropological Sciences, 2019, 11, 5743-5762.	1.8	17
66	Quantifying differences in hominin flaking technologies with 3D shape analysis. Journal of Human Evolution, 2021, 150, 102912.	2.6	17
67	Reconstructing Late Pleistocene paleoclimate at the scale of human behavior: an example from the Neandertal occupation of La Ferrassie (France). Scientific Reports, 2021, 11, 1419.	3.3	17
68	Desert Pavement Disturbance and Artifact Taphonomy: A Case Study from the Eastern Libyan Plateau, Egypt. Geoarchaeology - an International Journal, 2013, 28, 112-130.	1.5	16
69	Testing the Roc de Marsal Neandertal â€œBurialâ€•with Geoarchaeology. Archaeological and Anthropological Sciences, 2017, 9, 1005-1015.	1.8	16
70	Experimental investigation of orangutansâ€™ lithic percussive and sharp stone tool behaviours. PLoS ONE, 2022, 17, e0263343.	2.5	16
71	Comment on â€œLate Mousterian Persistence near the Arctic Circleâ€• Science, 2012, 335, 167-167.	12.6	15
72	A Core Reduction Experiment Finds No Effect of Original Stone Size and Reduction Intensity on Flake Debris Size Distribution. American Antiquity, 2016, 81, 562-575.	1.1	15

#	Article	IF	Citations
73	New dates for the FontÃ©chevade (Charente, France) Homo remains. Journal of Human Evolution, 2007, 52, 217-221.	2.6	13
74	Initial Upper Paleolithic bone technology and personal ornaments at Bacho Kiro Cave (Bulgaria). Journal of Human Evolution, 2022, 167, 103198.	2.6	12
75	Machine learning, bootstrapping, null models, and why we are still not 100% sure which bone surface modifications were made by crocodiles. Journal of Human Evolution, 2022, 164, 103071.	2.6	11
76	Prospections sur les plateaux dÃ©sertiques du dÃ©sert libyque Ã©gyptien (Abydos, Moyenne Ã‰gypte). Quelques exemples de technologies lithiques. Anthropologie, 2009, 113, 341-355.	0.4	10
77	Perspectives on stone tools and cognition in the early Paleolithic record. , 0, , 286-309.		10
78	Subsistence behavior during the Initial Upper Paleolithic in Europe: Site use, dietary practice, and carnivore exploitation at Bacho Kiro Cave (Bulgaria). Journal of Human Evolution, 2021, 161, 103074.	2.6	10
79	Response to â€œComment on Late Mousterian Persistence near the Arctic Circleâ€• Science, 2012, 335, 167-167.	12.6	9
80	NaÃ¯ve, unenculturated chimpanzees fail to make and use flaked stone tools. Open Research Europe, 2021, 1, 20.	2.0	9
81	Introducing platform surface interior angle (PSIA) and its role in flake formation, size and shape. PLoS ONE, 2020, 15, e0241714.	2.5	9
82	A proof of concept for machine learning-based virtual knapping using neural networks. Scientific Reports, 2021, 11, 19966.	3.3	4
83	Investigating variability in the frequency of fire use in the archaeological record of Late Pleistocene Europe. Archaeological and Anthropological Sciences, 2022, 14, 1.	1.8	4
84	A Core Reduction Experiment Finds No Effect of Original Stone Size and Reduction Intensity on Flake Debris Size Distribution. American Antiquity, 2016, 81, 562-575.	1.1	3
85	NaÃ¯ve, unenculturated chimpanzees fail to make and use flaked stone tools. Open Research Europe, 0, 1, 20.	2.0	3
86	Reply to Sahle and Gossa: Technology and geochronology at the earliest known Oldowan site at Ledi-Geraru, Ethiopia. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20261-20262.	7.1	2
87	The Making ofCombe-Capelle on CD-ROM. Journal of Field Archaeology, 1997, 24, 59-66.	1.3	1
88	The mediating effect of platform width on the size and shape of stone flakes. PLoS ONE, 2022, 17, e0262920.	2.5	1
89	Introduction to the 1994â€“1998 Excavations. , 0, , 28-60.		0
90	Electrical Resistivity Survey of FontÃ©chevade. , 0, , 95-102.		0

#	Article	IF	Citations
91	Description of the Lithic Industries. , 0, , 170-226.		0
92	Mousterian Lithic Technology: An Ecological Perspective. Steven L. Kuhn. Princeton University Press, Princeton, New Jersey, 1995. xiv + 209 pp., figures, tables, references cited, index. $49.50 (cloth).. American Antiquity, 1997, 62, 166-167.	1.1	0
93	The Palaeolithic Societies of Europe. Clive Gamble. 1999. Cambridge University Press, Cambridge, UK. xxii + 505 pp. $85.00 (cloth), ISBN 0-521-65105-1; $37.95 (paper), ISBN 0-521-65872-1.. American Antiquity, 2000, 65, 779-780.	1.1	0
94	Processes of Site Formation and Their Implications. , 0, , 229-247.		0
95	Harold L. Dibble (1951â€“2018). Nature Ecology and Evolution, 2018, 2, 1521-1522.	7.8	0
96	Introducing platform surface interior angle (PSIA) and its role in flake formation, size and shape. , 2020, 15, e0241714.		0
97	Introducing platform surface interior angle (PSIA) and its role in flake formation, size and shape. , 2020, 15, e0241714.		0
98	Introducing platform surface interior angle (PSIA) and its role in flake formation, size and shape. , 2020, 15, e0241714.		0
99	Introducing platform surface interior angle (PSIA) and its role in flake formation, size and shape. , 2020, 15, e0241714.		0