Briggs Buchanan

List of Publications by Year
in descending order

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85 papers	2,841 citations	186209 28 h-index	197736 49 g-index
86 all docs	86 docs citations	86 times ranked	1085 citing authors

#	Article	IF	Citations
1	Test, Model, and Method Validation: The Role of Experimental Stone Artifact Replication in Hypothesis-driven Archaeology. Ethnoarchaeology, 2016, 8, 103-136.	0.4	156
2	Spatial gradients in Clovis-age radiocarbon dates across North America suggest rapid colonization from the north. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15625-15630.	3.3	120
3	Investigating the peopling of North America through cladistic analyses of Early Paleoindian projectile points. Journal of Anthropological Archaeology, 2007, 26, 366-393.	0.7	118
4	Continent-wide or region-specific? A geometric morphometrics-based assessment of variation in Clovis point shape. Archaeological and Anthropological Sciences, 2014, 6, 145-162.	0.7	107
5	The accumulation of stochastic copying errors causes drift in culturally transmitted technologies: Quantifying Clovis evolutionary dynamics. Journal of Anthropological Archaeology, 2009, 28, 55-69.	0.7	104
6	A geometric morphometrics-based assessment of blade shape differences among Paleoindian projectile point types from western North America. Journal of Archaeological Science, 2010, 37, 350-359.	1.2	104
7	Paleoindian demography and the extraterrestrial impact hypothesis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11651-11654.	3.3	103
8	Innovation and cultural transmission in the American Paleolithic: Phylogenetic analysis of eastern Paleoindian projectile-point classes. Journal of Anthropological Archaeology, 2014, 34, 100-119.	0.7	98
9	An analysis of Folsom projectile point resharpening using quantitative comparisons of form and allometry. Journal of Archaeological Science, 2006, 33, 185-199.	1.2	91
10	Population Size as an Explanation for Patterns in the Paleolithic Archaeological Record. Current Anthropology, 2013, 54, S388-S396.	0.8	85
11	Social learning and technological evolution during the Clovis colonization of the New World. Journal of Human Evolution, 2015, 80, 159-170.	1.3	81
12	Population Size and Cultural Evolution in Nonindustrial Food-Producing Societies. PLoS ONE, 2013, 8, e72628.	1.1	80
13	Neutron activation analysis of 12,900-year-old stone artifacts confirms 450â€“510+ km Clovis tool-stone acquisition at Paleo Crossing (33ME274), northeast Ohio, U.S.A.. Journal of Archaeological Science, 2015, 53, 550-558.	1.2	77
14	A Formal Test of the Origin of Variation in North American Early Paleoindian Projectile Points. American Antiquity, 2009, 74, 279-298.	0.6	71
15	Points and prey: a quantitative test of the hypothesis that prey size influences early Paleoindian projectile point form. Journal of Archaeological Science, 2011, 38, 852-864.	1.2	69
16	Explaining the origin of fluting in North American Pleistocene weaponry. Journal of Archaeological Science, 2017, 81, 23-30.	1.2	69
17	Spatiotemporal dynamics of the Clovisâ€“Folsom transition. Journal of Archaeological Science, 2010, 37, 2513-2519.	1.2	68
18	Phenetics, cladistics, and the search for the Alaskan ancestors of the Paleoindians: a reassessment of relationships among the Clovis, Nenana, and Denali archaeological complexes. Journal of Archaeological Science, 2008, 35, 1683-1694.	1.2	58

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19	Size, shape, scars, and spatial patterning: A quantitative assessment of late Pleistocene (Clovis) point resharpening. Journal of Archaeological Science: Reports, 2015, 3, 11-21.	0.2	49
20	Lithic networks reveal early regionalization in late Pleistocene North America. Journal of Archaeological Science, 2016, 65, 114-121.	1.2	47
21	Statistical Analysis of Paradigmatic Class Richness Supports Greater Paleoindian Projectile-Point Diversity in the Southeast. American Antiquity, 2016, 81, 174-192.	0.6	44
22	Niche Construction and the Toolkits of Hunterâ€“Gatherers and Food Producers. Biological Theory, 2011, 6, 251-259.	0.8	40
23	Tip cross-sectional geometry predicts the penetration depth of stone-tipped projectiles. Scientific Reports, 2020, 10, 13289.	1.6	39
24	Archaeological Support for the Three-Stage Expansion of Modern Humans across Northeastern Eurasia and into the Americas. PLoS ONE, 2010, 5, e12472.	1.1	38
25	Settling into the country: Comparison of Clovis and Folsom lithic networks in western North America shows increasing redundancy of toolstone use. Journal of Anthropological Archaeology, 2019, 53, 32-42.	0.7	37
26	On thin ice: problems with Stanford and Bradley's proposed Solutrean colonisation of North America. Antiquity, 2014, 88, 606-613.	0.5	36
27	A Morphometric Assessment of the Intended Function of Cached Clovis Points. PLoS ONE, 2012, 7, e30530.	1.1	35
28	Drivers of technological richness in prehistoric Texas: an archaeological test of the population size and environmental risk hypotheses. Archaeological and Anthropological Sciences, 2016, 8, 625-634.	0.7	32
29	North American Clovis Point Form and Performance: An Experimental Assessment of Penetration Depth. Lithic Technology, 2020, 45, 263-282.	0.4	32
30	Sexing Bison Metapodials Using Principal Component Analysis. Plains Anthropologist, 2005, 50, 159-172.	0.6	30
31	Design Space and Cultural Transmission: Case Studies from Paleoindian Eastern North America. Journal of Archaeological Method and Theory, 2016, 23, 692-740.	1.4	30
32	A comment on Steeleâ€™s (2010) â€œradiocarbon dates as data: quantitative strategies for estimating colonization front speeds and event densitiesâ€• Journal of Archaeological Science, 2011, 38, 2116-2122.	1.2	28
33	SCALING THE SIZE, STRUCTURE, AND DYNAMICS OF RESIDENTIALLY MOBILE HUNTER-GATHERER CAMPS. American Antiquity, 2018, 83, 701-720.	0.6	28
34	AN ASSESSMENT OF STONE WEAPON TIP STANDARDIZATION DURING THE CLOVISâ€“FOLSOM TRANSITION IN THE WESTERN UNITED STATES. American Antiquity, 2018, 83, 721-734.	0.6	28
35	Miniaturization optimized weapon killing power during the social stress of late pre-contact North America (AD 600-1600). PLoS ONE, 2020, 15, e0230348.	1.1	28
36	Hunter-gatherer gatherings: stone-tool microwear from the Welling Site (33-Co-2), Ohio, U.S.A. supports Clovis use of outcrop-related base camps during the Pleistocene Peopling of the Americas. World Archaeology, 2019, 51, 47-75.	0.5	26

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37	Thermal engineering of stone increased prehistoric toolmaking skill. Scientific Reports, 2019, 9, 14591.	1.6	26
38	Clovis Paleoecology and Lithic Technology in the Central Rio Grande Rift Region, New Mexico. American Antiquity, 2013, 78, 248-265.	0.6	25
39	An Assessment of the Impact of Hafting on Paleoindian Point Variability. PLoS ONE, 2012, 7, e36364.	1.1	23
40	Taphonomic analysis of the Folsom bonebed at Lake Theo, Texas. North American Archaeologist, 2015, 36, 170-196.	0.3	22
41	The Effects of Sample Bias on Paleoindian Fluted Point Recovery in the United States. North American Archaeologist, 2003, 24, 311-338.	0.3	21
42	A Morphometric Approach to Assessing Late Paleoindian Projectile Point Variability on the Southern High Plains. Plains Anthropologist, 2007, 52, 279-299.	0.6	21
43	Plains Paleoindian Projectile Point Penetration Potential. Journal of Anthropological Research, 2022, 78, 84-112.	0.1	21
44	â€œDISSECTINGâ€•QUARTZITE AND BASALT BIPOLAR FLAKE SHAPE: A MORPHOMETRIC COMPARISON OF EXPERIMENTAL REPLICATIONS FROM OLDUVAI GORGE, TANZANIA. Lithic Technology, 2015, 40, 332-341.	0.4	20
45	Cultural Cladistics and the Early Prehistory of North America. , 2012, , 23-42.		16
46	Environment-induced changes in selective constraints on social learning during the peopling of the Americas. Scientific Reports, 2017, 7, 44431.	1.6	16
47	Trees, thickets, or something in between? Recent theoretical and empirical work in cultural phylogeny. Israel Journal of Ecology and Evolution, 2013, 59, 45-61.	0.2	15
48	The small-world topology of Clovis lithic networks. Archaeological and Anthropological Sciences, 2019, 11, 3537-3548.	0.7	15
49	Transmission of Cultural Variants in the North American Paleolithic. , 2015, , 121-143.		14
50	The morphometrics and microwear of a small Clovis assemblage from Guernsey County, Southeastern Ohio, U.S.A.. Journal of Archaeological Science: Reports, 2017, 15, 318-329.	0.2	14
51	Cultural learning and the Clovis colonization of North America. Evolutionary Anthropology, 2017, 26, 270-284.	1.7	14
52	The Black Diamond Site, Northeast Ohio, USA: a New Clovis Occupation in a Proposed Secondary Staging Area. Journal of Paleolithic Archaeology, 2019, 2, 211-233.	0.7	14
53	Scaling Laws of Paleoindian Projectile Point Design. Journal of Archaeological Method and Theory, 2021, 28, 580-602.	1.4	14
54	Bayesian Revision of the Folsom Age Range Using IntCal20. PaleoAmerica, 2021, 7, 133-144.	0.4	14

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55	North American Clovis Point Form and Performance II: An Experimental Assessment of Point, Haft, and Shaft Durability. Lithic Technology, 2022, 47, 38-51.	0.4	14
56	The impact of changing grasslands on Late Quaternary bison of the Southern Plains. Quaternary International, 2010, 217, 117-130.	0.7	13
57	The Wauseon Clovis fluted point preform, Northwest Ohio, U.S.A.: Observations, geometric morphometrics, microwear, and toolstone procurement distance. Journal of Archaeological Science: Reports, 2016, 10, 147-154.	0.2	13
58	Risk of Resource Failure and Toolkit Variation in Small-Scale Farmers and Herders. PLoS ONE, 2012, 7, e40975.	1.1	13
59	North American Clovis Point Form and Performance III: An Experimental Assessment of Knife Cutting Efficiency. Lithic Technology, 2022, 47, 203-220.	0.4	13
60	Folsom Lithic Procurement, Tool Use, and Replacement at the Lake Theo Site, Texas. Plains Anthropologist, 2002, 47, 121-146.	0.6	12
61	Nine-thousand years of optimal toolstone selection through the North American Holocene. Antiquity, 2019, 93, 313-324.	0.5	11
62	Description, morphometrics, and microwear of Late Pleistocene-Early Holocene artifacts from Southwestern Kentucky, U.S.A.. Journal of Archaeological Science: Reports, 2018, 20, 516-523.	0.2	10
63	Bayesian Modeling of the Clovis and Folsom Radiocarbon Records Indicates a 200-Year Multigenerational Transition. American Antiquity, 2022, 87, 567-580.	0.6	10
64	The non-invention of the ceramic arrowhead in world archaeology. Journal of Archaeological Science: Reports, 2020, 31, 102283.	0.2	9
65	Was Welling, Ohio (33-Co-2), a Clovis Basecamp or Lithic Workshop? Employing Experimental Models to Interpret Old Collections. American Antiquity, 2021, 86, 183-198.	0.6	9
66	Solutreanism. Antiquity, 2014, 88, 622-624.	0.5	8
67	On Identifying Stone Tool Production Techniques: An Experimental and Statistical Assessment of Pressure Versus Soft Hammer Percussion Flake Form. American Antiquity, 2016, 81, 737-751.	0.6	8
68	Clovis Colonization of Eastern North America: A Phylogenetic Approach. Science and Technology of Archaeological Research, 2016, 2, 67-89.	2.4	7
69	Geometric Morphometric Analyses Support Incorporating the Goshen Point Type into Plainview. American Antiquity, 2020, 85, 171-181.	0.6	7
70	Antelope Springs: A Folsom Site in South Park, Colorado. PaleoAmerica, 2021, 7, 114-132.	0.4	7
71	On the Late Paleoindian temporal assignment for the Honey Run Site (33-Co-3), Coshocton County, Ohio: A morphometric assessment of flaked stone stemmed lanceolate projectile points. Journal of Archaeological Science: Reports, 2018, 20, 588-595.	0.2	6
72	Knapping quality of local versus exotic Upper Mercer chert (Ohio, USA) during the Holocene. Geoarchaeology - an International Journal, 2022, 37, 486-496.	0.7	6

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73	Thermoluminescence (TL) and Optically Stimulated Luminescence (OSL) Dating of Two Burned Clovis Wyandotte Chert Lithic Specimens from Paleo Crossing (33ME274), Ohio, USA. Lithic Technology, 2018, 43, 18-25.	0.4	5
74	Investigating the scale of prehistoric social networks using culture, language, and point types in western North America. Archaeological and Anthropological Sciences, 2019, 11, 199-207.	0.7	5
75	Description, Geometric Morphometrics, and Microwear of Five Clovis Fluted Projectile Points from Lucas and Wood Counties, Northwest Ohio, USA. Journal of Paleolithic Archaeology, 2020, 3, 1034-1047.	0.7	5
76	Scaling human sociopolitical complexity. PLoS ONE, 2020, 15, e0234615.	1.1	5
77	Experimental assessment of Neo-Assyrian bronze arrowhead penetration: An initial study comparing bilobate versus trilobate morphologies. Journal of Archaeological Science: Reports, 2021, 35, 102765.	0.2	5
78	Refining the chronology of North Americaâ€™s copper using traditions: A macroscalar approach via Bayesian modeling. PLoS ONE, 2022, 17, e0266908.	1.1	5
79	Experimental assessment of obsidian versus chert lanceolate projectile point durability and robusticity: Semiâ€static fracture strength and dynamic impact. Archaeometry, 2022, 64, 1307-1324.	0.6	5
80	Evaluating the effects of parallax in archaeological geometric morphometric analyses. Archaeological and Anthropological Sciences, 2020, 12, 1.	0.7	4
81	The Effect of Isometric Scaling on Flaked Stone Projectile Point Impact Durability: An Experimental Assessment. Lithic Technology, 2021, 46, 260-269.	0.4	4
82	Current Evidence Supports Welling as an Outcrop-Related Base Camp. American Antiquity, 2021, 86, 867-870.	0.6	4
83	A New Look at Flaked Stone Projectiles from the Mixter Site (33-ER-4), Erie County, Ohio, USA. Lithic Technology, 2018, 43, 166-171.	0.4	3
84	Human behavior or taphonomy? On the breakage of Eastern North American Paleoindian endscrapers. Archaeological and Anthropological Sciences, 2020, 12, 1.	0.7	2
85	On Identifying Stone Tool Production Techniques: An Experimental and Statistical Assessment of Pressure Versus Soft Hammer Percussion Flake Form. American Antiquity, 2016, 81, 737-751.	0.6	2