

R Lee Lyman

List of Publications by Year in descending order

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119
papers

5,247
citations

126907

33
h-index

182427

51
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133
all docs

133
docs citations

133
times ranked

2715
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Units and Terminology in Zooarchaeology. <i>American Antiquity</i> , 1994, 59, 36-71.	1.1	222
2	Bone frequencies: differential transport, in situ destruction, and the MGUI. <i>Journal of Archaeological Science</i> , 1985, 12, 221-236.	2.4	195
3	Archaeofaunas and Butchery Studies: A Taphonomic Perspective. , 1987, , 249-337.		162
4	On the Analysis of Vertebrate Mortality Profiles: Sample Size, Mortality Type, and Hunting Pressure. <i>American Antiquity</i> , 1987, 52, 125.	1.1	106
5	Applied zooarchaeology: The relevance of faunal analysis to wildlife management. <i>World Archaeology</i> , 1996, 28, 110-125.	1.1	101
6	Paleozoology in the service of conservation biology. <i>Evolutionary Anthropology</i> , 2006, 15, 11-19.	3.4	99
7	Innovation and cultural transmission in the American Paleolithic: Phylogenetic analysis of eastern Paleoindian projectile-point classes. <i>Journal of Anthropological Archaeology</i> , 2014, 34, 100-119.	1.6	98
8	Analyzing cut marks: lessons from artiodactyl remains in the northwestern United States. <i>Journal of Archaeological Science</i> , 2005, 32, 1722-1732.	2.4	88
9	Cultural traits as units of analysis. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 3797-3806.	4.0	85
10	Relative Abundances of Skeletal Specimens and Taphonomic Analysis of Vertebrate Remains. <i>Palaios</i> , 1994, 9, 288.	1.3	81
11	Metric Data in Archaeology: A Study of Intra-Analyst and Inter-Analyst Variation. <i>American Antiquity</i> , 2009, 74, 485-504.	1.1	76
12	The epistemological nature of archaeological units. <i>Anthropological Theory</i> , 2002, 2, 37-56.	2.2	70
13	Cultural Traits: Units of Analysis in Early Twentieth-Century Anthropology. <i>Journal of Anthropological Research</i> , 2003, 59, 225-250.	0.1	64
14	A warrant for applied palaeozoology. <i>Biological Reviews</i> , 2012, 87, 513-525.	10.4	59
15	The Direct Historical Approach, Analogical Reasoning, and Theory in Americanist Archaeology. <i>Journal of Archaeological Method and Theory</i> , 2001, 8, 303-342.	3.0	57
16	On the use of species-area curves to detect the effects of sample size. <i>Journal of Archaeological Science</i> , 2007, 34, 1985-1990.	2.4	57
17	Two Issues in Archaeological Phylogenetics: Taxon Construction and Outgroup Selection. <i>Journal of Theoretical Biology</i> , 2002, 215, 133-150.	1.7	51
18	Prehistoric Seal and Sea-Lion Butchering on the Southern Northwest Coast. <i>American Antiquity</i> , 1992, 57, 246-261.	1.1	48

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19	Seriation, Superposition, and Interdigitation: A History of Americanist Graphic Depictions of Culture Change. <i>American Antiquity</i> , 1998, 63, 239-261.	1.1	47
20	Evolutionary archeology: Current status and future prospects. <i>Evolutionary Anthropology</i> , 2002, 11, 26-36.	3.4	47
21	ZOOGEOGRAPHY OF OREGON COAST MARINE MAMMALS: THE LAST 3,000 YEARS. <i>Marine Mammal Science</i> , 1988, 4, 247-264.	1.8	46
22	Basic Incompatibilities between Evolutionary and Behavioral Archaeology. <i>American Antiquity</i> , 1998, 63, 485-498.	1.1	46
23	The diversity of North American projectile-point types, before and after the bow and arrow. <i>Journal of Anthropological Archaeology</i> , 2009, 28, 1-13.	1.6	45
24	The influence of screen mesh size, and size and shape of rodent teeth on recovery. <i>Journal of Archaeological Science</i> , 2012, 39, 1854-1861.	2.4	44
25	Late-Quaternary diminution and abundance of prehistoric bison (<i>Bison</i> sp.) in eastern Washington State, USA. <i>Quaternary Research</i> , 2004, 62, 76-85.	1.7	43
26	Variation in North American dart points and arrow points when one or both are present. <i>Journal of Archaeological Science</i> , 2008, 35, 2805-2812.	2.4	43
27	Broken Bones, Bone Expediency Tools, and Bone Pseudotools: Lessons from the Blast Zone around Mount St. Helens, Washington. <i>American Antiquity</i> , 1984, 49, 315-333.	1.1	41
28	Paleoenvironmental Reconstruction from Faunal Remains: Ecological Basics and Analytical Assumptions. <i>Journal of Archaeological Research</i> , 2017, 25, 315-371.	4.0	41
29	Identifying bilateral pairs of deer (<i>Odocoileus</i> sp.) bones: how symmetrical is symmetrical enough?. <i>Journal of Archaeological Science</i> , 2006, 33, 1256-1265.	2.4	39
30	A Critical Review of Four Efforts to Resurrect MNI in Zooarchaeology. <i>Journal of Archaeological Method and Theory</i> , 2019, 26, 52-87.	3.0	39
31	Determining when rare (zoo-)archaeological phenomena are truly absent. <i>Journal of Archaeological Method and Theory</i> , 1995, 2, 369-424.	3.0	38
32	On the variable relationship between NISP and NTAXA in bird remains and in mammal remains. <i>Journal of Archaeological Science</i> , 2015, 53, 291-296.	2.4	37
33	Americanist Stratigraphic Excavation and the Measurement of Culture Change. <i>Journal of Archaeological Method and Theory</i> , 1999, 6, 55-108.	3.0	36
34	The Late Prehistoric-Early Historic Game Sink in the Northwestern United States. <i>Conservation Biology</i> , 2002, 16, 73-85.	4.7	35
35	Within-taxon morphological diversity in late-Quaternary <i>Neotoma</i> as a paleoenvironmental indicator, Bonneville Basin, Northwestern Utah, USA. <i>Quaternary Research</i> , 2005, 63, 274-282.	1.7	32
36	Chronometers and Units in Early Archaeology and Paleontology. <i>American Antiquity</i> , 2000, 65, 691-707.	1.1	30

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37	Paleoecological and biogeographical implications of late Pleistocene noble marten (<i>Martes americana</i>) Tj ETQq1 1 0.784314 ggBT /Over	1.7	30
38	Rodent-Prey Content in Long-Term Samples of Barn Owl (<i>Tyto alba</i>) Pellets from the Northwestern United States Reflects Local Agricultural Change. <i>American Midland Naturalist</i> , 2012, 167, 150-163.	0.4	30
39	Design Space and Cultural Transmission: Case Studies from Paleoindian Eastern North America. <i>Journal of Archaeological Method and Theory</i> , 2016, 23, 692-740.	3.0	30
40	Observations on the history of zooarchaeological quantitative units: Why NISP, then MNI, then NISP again?. <i>Journal of Archaeological Science: Reports</i> , 2018, 18, 43-50.	0.5	30
41	Paleozoology's Dependence on Natural History Collections. <i>Journal of Ethnobiology</i> , 2010, 30, 126-136.	2.1	29
42	Human-behavioral and paleoecological implications of terminal Pleistocene fox remains at the Marmes Site (45FR50), eastern Washington state, USA. <i>Quaternary Science Reviews</i> , 2012, 41, 39-48.	3.0	28
43	The history of "laundry lists" in North American zooarchaeology. <i>Journal of Anthropological Archaeology</i> , 2015, 39, 42-50.	1.6	28
44	Building cultural chronology in Eastern Washington: The influence of geochronology, index fossils, and radiocarbon dating. <i>Geoarchaeology - an International Journal</i> , 2000, 15, 609-648.	1.5	25
45	A Historical Sketch on the Concepts of Archaeological Association, Context, and Provenience. <i>Journal of Archaeological Method and Theory</i> , 2012, 19, 207-240.	3.0	24
46	Terminal Pleistocene change in mammal communities in southeastern Washington State, USA. <i>Quaternary Research</i> , 2014, 81, 295-304.	1.7	24
47	The mutual climatic range technique is (usually) not the area of sympatry technique when reconstructing paleoenvironments based on faunal remains. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 454, 75-81.	2.3	23
48	Biodiversity, Paleozoology, and Conservation Biology. , 2012, , 147-169.		22
49	Taxonomic composition and body-mass distribution in the terminal Pleistocene mammalian fauna from the Marmes site, southeastern Washington State, U.S.A.. <i>Paleobiology</i> , 2013, 39, 345-359.	2.0	22
50	Paleoindian Exploitation of Mammals in Eastern Washington State. <i>American Antiquity</i> , 2013, 78, 227-247.	1.1	21
51	Assumptions and Protocol of the Taxonomic Identification of Faunal Remains in Zooarchaeology: a North American Perspective. <i>Journal of Archaeological Method and Theory</i> , 2019, 26, 1376-1438.	3.0	21
52	The Terminal Pleistocene Extinctions in North America, Hypermorph Evolution, and the Dynamic Equilibrium Model. <i>Journal of Ethnobiology</i> , 2009, 29, 28-63.	2.1	20
53	Paleoenvironmental implications of two relative indicator rodent taxa during the Pleistocene to Holocene transition in southeastern Washington state, USA. <i>Journal of Quaternary Science</i> , 2014, 29, 691-697.	2.1	20
54	Late Quaternary Mammalian Zoogeography of Eastern Washington. <i>Quaternary Research</i> , 1983, 20, 360-373.	1.7	19

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55	A History of Normative Theory in Americanist Archaeology. <i>Journal of Archaeological Method and Theory</i> , 2004, 11, 369-396.	3.0	18
56	Taphonomy, pathology, and paleoecology of the terminal Pleistocene Marmes Rockshelter (45FR50) â€œbig elkâ€•(<i>Cervus elaphus</i>), southeastern Washington State, USA. <i>Canadian Journal of Earth Sciences</i> , 2010, 47, 1367-1382.	1.3	18
57	North American Paleoindian Eyed Bone Needles: Morphometrics, Sewing, and Site Structure. <i>American Antiquity</i> , 2015, 80, 146-160.	1.1	18
58	Stable isotope and ancient DNA analysis of dog remains from Cathlapotle (45CL1), a contact-era site on the Lower Columbia River. <i>Journal of Archaeological Science</i> , 2015, 57, 268-282.	2.4	18
59	What Is Evolution? A Response to Bamforth. <i>American Antiquity</i> , 2003, 68, 573-580.	1.1	17
60	The History of MNI in North American Zooarchaeology. , 2018, , 13-33.		17
61	Immanence and Configuration in Analogical Reasoning. <i>North American Archaeologist</i> , 2000, 21, 233-247.	0.5	16
62	Aboriginal overkill in the intermountain west of North America. <i>Human Nature</i> , 2004, 15, 169-208.	1.6	15
63	Nomothetic science and idiographic history in twentieth-century Americanist anthropology. <i>Journal of the History of the Behavioral Sciences</i> , 2004, 40, 77-96.	0.7	15
64	The Holocene history of bighorn sheep (<i>Ovis canadensis</i>) in eastern Washington state, northwestern USA. <i>Holocene</i> , 2009, 19, 143-150.	1.7	15
65	ACTUALISTIC NEOTAPHONOMIC RESEARCH ON BONE MODIFYING ANIMAL SPECIES: AN ANALYSIS OF THE LITERATURE. <i>Palaios</i> , 2018, 33, 542-554.	1.3	15
66	Archaeologyâ€™s quest for a seat at the high table of anthropology. <i>Journal of Anthropological Archaeology</i> , 2007, 26, 133-149.	1.6	14
67	Taphonomic Agents and Taphonomic Signatures. <i>American Antiquity</i> , 2002, 67, 361-365.	1.1	12
68	History and Explanation in Archaeology. <i>Anthropological Theory</i> , 2004, 4, 173-197.	2.2	12
69	Climatic implications of latest Pleistocene and earliest Holocene mammalian sympatries in eastern Washington state, USA. <i>Quaternary Research</i> , 2008, 70, 426-432.	1.7	12
70	Prehistoric Occurrence of Pinnipeds in the Lower Columbia River. , 2002, 83, 1.		11
71	Late Prehistoric and Early Historic Abundance of Columbian White-Tailed Deer, Portland Basin, Washington and Oregon, USA. <i>Journal of Wildlife Management</i> , 2006, 70, 278-282.	1.8	11
72	Archaeological Evidence of Anthropogenically Induced Twentieth-Century Diminution of North American Wapiti (<i>Cervus elaphus</i>). <i>American Midland Naturalist</i> , 2006, 156, 88-98.	0.4	11

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73	A. L. Kroeber and the Measurement of Time's Arrow and Time's Cycle. <i>Journal of Anthropological Research</i> , 2002, 58, 313-338.	0.1	11
74	Darwinian Evolutionism Is Applicable to Historical Archaeology. <i>International Journal of Historical Archaeology</i> , 2000, 4, 71-112.	0.4	9
75	American Archaeology Textbooks as Reflections of the History of the Discipline. <i>North American Archaeologist</i> , 2010, 31, 1-25.	0.5	8
76	Paleozoological Data Suggest Euroamerican Settlement Did Not Displace Ursids and North American Elk from Lowlands to Highlands. <i>Environmental Management</i> , 2011, 47, 899-906.	2.7	8
77	Comparison of fluoride and direct AMS radiocarbon dating of black bear bone from Lawson Cave, Missouri. <i>Journal of Field Archaeology</i> , 2012, 37, 226-237.	1.3	8
78	Evaluation of the Early Paleo-Indian zooarchaeological record as evidence of diet breadth. <i>Archaeological and Anthropological Sciences</i> , 2018, 10, 555-570.	1.8	7
79	Identification and palaeoenvironmental significance of late-Quaternary ermine (<i>Mustela erminea</i>) in the central Columbia Basin, Washington, northwestern USA. <i>Holocene</i> , 2004, 14, 553-562.	1.7	6
80	The Holocene History of Pronghorn (<i>Antilocapra americana</i>) in Eastern Washington State. <i>Northwest Science</i> , 2007, 81, 104-111.	0.2	6
81	Graphing evolutionary pattern and process: a history of techniques in archaeology and paleobiology. <i>Journal of Human Evolution</i> , 2009, 56, 192-204.	2.6	5
82	Holocene mammalian change in the central Columbia Basin of eastern Washington state, USA. <i>Quaternary Science Reviews</i> , 2016, 146, 66-76.	3.0	5
83	Rock Music: An Auditory Assessment of Knapping. <i>Lithic Technology</i> , 2021, 46, 320-335.	1.1	5
84	Darwinism and Historical Archaeology. , 2009, , 227-252.		5
85	Prehistoric Extralimital Records for <i>Pappogeomys castanops</i> (Geomyidae) in Northwestern New Mexico. <i>Journal of Mammalogy</i> , 1983, 64, 502-505.	1.3	4
86	Prehistoric Mink (<i>Mustela vison</i>) Trapping on the Northwest Coast. <i>Journal of Field Archaeology</i> , 2007, 32, 91-95.	1.3	4
87	Mandibular hypodontia and osteoarthritis in prehistoric bighorn sheep (<i>Ovis canadensis</i>) in eastern Washington State, USA. <i>International Journal of Osteoarchaeology</i> , 2009, 20, n/a-n/a.	1.2	4
88	The need to overcome risks associated with combining inadequate paleozoological records and conservation biology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4757-8.	7.1	4
89	Observations on graphing paleozoological data: Suggestions for better graphs. <i>Geobios</i> , 2018, 51, 435-451.	1.4	4
90	Blind Testing of Faunal Identification Protocols: A Case Study with North American Artiodactyl Stylohyoids. <i>American Antiquity</i> , 2020, 85, 781-794.	1.1	4

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91	On the Importance of Systematics to Archaeological Research: the Covariation of Typological Diversity and Morphological Disparity. <i>Journal of Paleolithic Archaeology</i> , 2021, 4, 1.	1.7	4
92	AMS Radiocarbon Dates for Pleistocene Fauna from the American Northeast. <i>Radiocarbon</i> , 2015, 57, 189-192.	1.8	3
93	Sex Ratio of Rodents as Barn Owl (<i>Tyto alba</i>) Prey. <i>American Midland Naturalist</i> , 2016, 176, 152-157.	0.4	3
94	Publishing Archaeology in <i>Science</i> and <i>Scientific American</i> , 1940â€“2003. <i>American Antiquity</i> , 2005, 70, 157-167.	1.1	2
95	Graphing Evolutionary Pattern in Stone Tools to Reveal Evolutionary Process. , 2015, , 29-47.		2
96	Innovation and Natural Selection in Paleoindian Projectile Points from the American Southwest. , 0, , 61-80.		2
97	Location and Position in Archaeology: Revisiting the Original Association of a Folsom Point with Bison Ribs. <i>American Antiquity</i> , 2015, 80, 732-744.	1.1	2
98	Misunderstanding graphs: The confusion of biological clade diversity diagrams and archaeological frequency seriation diagrams. <i>Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences</i> , 2019, 77, 101178.	1.3	2
99	Geoarchaeological Evidence for Prairie-Mound Formation in the Mississippi Alluvial Valley, Southeastern Missouri. <i>Quaternary Research</i> , 1989, 31, 83-93.	1.7	1
100	Sustainable Yield and Conservation Goals. <i>Science</i> , 2003, 301, 309b-309.	12.6	1
101	Evolutionary archaeology is unlikely to go extinct: response to Gabora. <i>World Archaeology</i> , 2006, 38, 697-703.	1.1	1
102	Cultural traits and cultural integration. <i>Behavioral and Brain Sciences</i> , 2006, 29, 357-358.	0.7	1
103	CULTURE, CONCEPT AND DEFINITIONS. , 2008, , 1070-1075.		1
104	Fundamentals of Ecology and Biogeography. , 2019, , 12-47.		1
105	Transfer Functions and Quantitative Paleoenvironmental Reconstruction. , 2019, , 234-265.		1
106	On the past and future of discussing, teaching, and learning the hows and whys of archaeological systematics. <i>Journal of Archaeological Science</i> , 2021, 131, 105412.	2.4	1
107	Characteristics of Lithic Sound to Assess a Rockâ€™s Predictability of Flaking. <i>Lithic Technology</i> , 2022, 47, 221-230.	1.1	1
108	Dental enamel hypoplasias in Holocene bighorn sheep (<i>Ovis canadensis</i>) in eastern Washington state, USA. <i>Canadian Journal of Zoology</i> , 2018, 96, 460-465.	1.0	0

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109	Paleoecological implications of the first prehistoric record of water vole (<i>Microtus richardsoni</i>) from Washington state, USA. <i>Quaternary Research</i> , 2019, 92, 381-387.	1.7	0
110	Why a Book on Paleoenvironmental Reconstruction from Faunal Remains?. , 2019, , 1-11.		0
111	Analytical Assumptions. , 2019, , 48-76.		0
112	Background of Select Paleozoological Samples. , 2019, , 77-91.		0
113	Environmental Reconstructions Based on the Presence/Absence of Taxa. , 2019, , 92-122.		0
114	Environmental Reconstruction Based on Taxonomic Abundances. , 2019, , 123-154.		0
115	Taxon-Free Techniques. , 2019, , 155-196.		0
116	Environmental Inferences Based on Taxonomic Diversity. , 2019, , 197-233.		0
117	Size Clines as Paleoenvironmental Indicators. , 2019, , 266-300.		0
118	Some Final Thoughts. , 2019, , 301-310.		0
119	Estimation of body mass in white-tailed deer (<i>Odocoileus virginianus</i>) using cross-sectional geometry of the metapodial. <i>Journal of Archaeological Science: Reports</i> , 2021, 37, 102889.	0.5	0