C Owen Lovejoy

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The Origin of Man. Science, 1981, 211, 341-350.	6.0	1,469
2	Chronological metamorphosis of the auricular surface of the ilium: A new method for the determination of adult skeletal age at death. American Journal of Physical Anthropology, 1985, 68, 15-28.	2.1	1,431
3	Ectocranial suture closure: A revised method for the determination of skeletal age at death based on the lateral-anterior sutures. American Journal of Physical Anthropology, 1985, 68, 57-66.	2.1	1,120
4	Dental wear in the Libben population: Its functional pattern and role in the determination of adult skeletal age at death. American Journal of Physical Anthropology, 1985, 68, 47-56.	2.1	559
5	<i>Ardipithecus ramidus</i> and the Paleobiology of Early Hominids. Science, 2009, 326, 64-86.	6.0	491
6	Evolution of Human Walking. Scientific American, 1988, 259, 118-125.	1.0	451
7	Multifactorial determination of skeletal age at death: A method and blind tests of its accuracy. American Journal of Physical Anthropology, 1985, 68, 1-14.	2.1	421
8	The gait ofAustralopithecus. American Journal of Physical Anthropology, 1973, 38, 757-779.	2.1	402
9	Morphology of the Pliocene partial hominid skeleton (A.L. 288-1) from the Hadar formation, Ethiopia. American Journal of Physical Anthropology, 1982, 57, 403-451.	2.1	372
10	The Pelvis and Femur of <i>Ardipithecus ramidus</i> : The Emergence of Upright Walking. Science, 2009, 326, 71.	6.0	291
11	Reexamining Human Origins in Light of <i>Ardipithecus ramidus</i> . Science, 2009, 326, 74.	6.0	289
12	The natural history of human gait and posture. Gait and Posture, 2005, 21, 95-112.	0.6	269
13	Asa Issie, Aramis and the origin of Australopithecus. Nature, 2006, 440, 883-889.	13.7	244
14	The Great Divides: <i>Ardipithecus ramidus</i> Reveals the Postcrania of Our Last Common Ancestors with African Apes. Science, 2009, 326, 73-106.	6.0	233
15	A revised method of age determination using the os pubis, with a review and tests of accuracy of other current methods of pubic symphyseal aging. American Journal of Physical Anthropology, 1985, 68, 29-45.	2.1	231
16	The obstetric pelvis of A.L. 288-1 (Lucy). Journal of Human Evolution, 1986, 15, 237-255.	1.3	230
17	An early <i>Australopithecus afarensis</i> postcranium from Woranso-Mille, Ethiopia. Proceedings of the United States of America, 2010, 107, 12121-12126.	3.3	224
18	Combining Prehension and Propulsion: The Foot of <i>Ardipithecus ramidus</i> . Science, 2009, 326, 72.	6.0	223

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19	Careful Climbing in the Miocene: The Forelimbs of <i>Ardipithecus ramidus</i> and Humans Are Primitive. Science, 2009, 326, 70.	6.0	211
20	The calcaneus ofAustralopithecus afarensis and its implications for the evolution of bipedality. American Journal of Physical Anthropology, 1989, 78, 369-386.	2.1	209
21	Sexual dimorphism in Australopithecus afarensis was similar to that of modern humans. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9404-9409.	3.3	198
22	Accuracy and direction of error in the sexing of the skeleton: Implications for paleodemography. American Journal of Physical Anthropology, 1985, 68, 79-85.	2.1	191
23	Talocrural joint in African hominoids: Implications forAustralopithecus afarensis. American Journal of Physical Anthropology, 1987, 74, 155-175.	2.1	191
24	Part Two: The role of constitutional factors, diet, and infectious disease in the etiology of porotic hyperostosis and periosteal reactions in prehistoric infants and children. Medical Anthropology: Cross Cultural Studies in Health and Illness, 1978, 2, 1-59.	0.6	180
25	Morphological analysis of the mammalian postcranium: A developmental perspective. Proceedings of the United States of America, 1999, 96, 13247-13252.	3.3	172
26	Neither chimpanzee nor human, <i>Ardipithecus</i> reveals the surprising ancestry of both. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4877-4884.	3.3	170
27	The Maka femur and its bearing on the antiquity of human walking: Applying contemporary concepts of morphogenesis to the human fossil record. American Journal of Physical Anthropology, 2002, 119, 97-133.	2.1	169
28	Ardipithecus ramidus and the paleobiology of early hominids. Science, 2009, 326, 75-86.	6.0	166
29	Paleodemography of the Libben Site, Ottawa County, Ohio. Science, 1977, 198, 291-293.	6.0	164
30	Paleobiological Implications of the <i>Ardipithecus ramidus</i> Dentition. Science, 2009, 326, 69-99.	6.0	162
31	The biomechanical analysis of bone strength: A method and its application to platycnemia. American Journal of Physical Anthropology, 1976, 44, 489-505.	2.1	144
32	Climate Change and the Integrity of Science. Science, 2010, 328, 689-690.	6.0	143
33	Hallucal tarsometatarsal joint inAustralopithecus afarensis. American Journal of Physical Anthropology, 1990, 82, 125-133.	2.1	133
34	Hominid carpal, metacarpal, and phalangeal bones recovered from the Hadar formation: 1974-1977 collections. American Journal of Physical Anthropology, 1982, 57, 651-677.	2.1	129
35	The natural history of human gait and posture. Gait and Posture, 2005, 21, 113-124.	0.6	128
36	The <i>Ardipithecus ramidus</i> Skull and Its Implications for Hominid Origins. Science, 2009, 326, 68.	6.0	127

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37	Hominid tarsal, metatarsal, and phalangeal bones recovered from the Hadar formation: 1974-1977 collections. American Journal of Physical Anthropology, 1982, 57, 701-719.	2.1	125
38	The analysis of fractures in skeletal populations with an example from the Libben site, Ottowa County, Ohio. American Journal of Physical Anthropology, 1981, 55, 529-541.	2.1	124
39	Test of the multifactorial aging method using skeletons with known ages-at-death from the grant collection. American Journal of Physical Anthropology, 1993, 91, 287-297.	2.1	122
40	Developmental Biology and Human Evolution. Annual Review of Anthropology, 2003, 32, 85-109.	0.4	122
41	Temperature regulates limb length in homeotherms by directly modulating cartilage growth. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19348-19353.	3.3	119
42	Metatarsophalangeal joints ofAustralopithecus afarensis. American Journal of Physical Anthropology, 1990, 83, 13-23.	2.1	109
43	Cortical bone distribution in the femoral neck of hominoids: Implications for the locomotion ofAustralopithecus afarensis. , 1997, 104, 117-131.		104
44	The natural history of human gait and posture. Gait and Posture, 2007, 25, 325-341.	0.6	104
45	The distal femoral anatomy ofAustralopithecus. American Journal of Physical Anthropology, 1971, 35, 75-84.	2.1	100
46	The Chimpanzee Has No Clothes. Current Anthropology, 2008, 49, 87-114.	0.8	99
47	Strength and robusticity of the Neandertal tibia. American Journal of Physical Anthropology, 1980, 53, 465-470.	2.1	95
48	The great divides: Ardipithecus ramidus reveals the postcrania of our last common ancestors with African apes. Science, 2009, 326, 100-6.	6.0	95
49	Radiographic changes in the clavicle and proximal femur and their use in the determination of skeletal age at death. American Journal of Physical Anthropology, 1985, 68, 67-78.	2.1	89
50	Femoral morphology and cross-sectional geometry of adult myostatin-deficient mice. Bone, 2000, 27, 343-349.	1.4	88
51	Spinopelvic pathways to bipedality: why no hominids ever relied on a bent-hip–bent-knee gait. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 3289-3299.	1.8	84
52	A reconstruction of the femur ofAustralopithecus africanus. American Journal of Physical Anthropology, 1970, 32, 33-40.	2.1	80
53	Bone Mineral Content and Density in the Humerus of Adult Myostatin-Deficient Mice. Calcified Tissue International, 2002, 71, 63-68.	1.5	77
54	Reexamining human origins in light of Ardipithecus ramidus. Science, 2009, 326, 74e1-8.	6.0	77

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55	Hominid lower limb bones recovered from the Hadar formation: 1974-1977 collections. American Journal of Physical Anthropology, 1982, 57, 679-700.	2.1	75
56	Long bone growth velocity in the Libben population. American Journal of Human Biology, 1990, 2, 533-541.	0.8	71
57	Biomechanical Perspectives on the Lower Limb of Early Hominids. , 1975, , 291-326.		68
58	Hominoid dental maturation. Journal of Human Evolution, 1990, 19, 285-297.	1.3	67
59	The pelvis and femur of Ardipithecus ramidus: the emergence of upright walking. Science, 2009, 326, 71e1-6.	6.0	65
60	AL 288-1—Lucy or Lucifer: gender confusion in the Pliocene. Journal of Human Evolution, 1998, 35, 75-94.	1.3	63
61	Collagen fiber orientation in the femoral necks of apes and humans: do their histological structures reflect differences in locomotor loading?. Bone, 2002, 31, 327-332.	1.4	63
62	Human Evolution and the Chimpanzee Referential Doctrine. Annual Review of Anthropology, 2012, 41, 119-138.	0.4	63
63	Careful climbing in the Miocene: the forelimbs of Ardipithecus ramidus and humans are primitive. Science, 2009, 326, 70e1-8.	6.0	61
64	Combining prehension and propulsion: the foot of Ardipithecus ramidus. Science, 2009, 326, 72e1-8.	6.0	61
65	Hominid upper limb bones recovered from the Hadar formation: 1974-1977 collections. American Journal of Physical Anthropology, 1982, 57, 637-649.	2.1	60
66	Branching, segmentation and the metapterygial axis: pattern versus process in the vertebrate limb. BioEssays, 2002, 24, 460-465.	1.2	57
67	A neurochemical hypothesis for the origin of hominids. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E1108-E1116.	3.3	57
68	Patterns of correlation and covariation of anthropoid distal forelimb segments correspond to Hoxd expression territories. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2008, 310B, 240-258.	0.6	56
69	Paleobiological implications of the Ardipithecus ramidus dentition. Science, 2009, 326, 94-9.	6.0	56
70	An enlarged postcranial sample confirms <i>Australopithecus afarensis</i> dimorphism was similar to modern humans. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 3355-3363.	1.8	54
71	Independent test of the fourth rib aging technique. American Journal of Physical Anthropology, 1993, 92, 53-62.	2.1	52
72	Primate Phylogeny and Immunological Distance. Science, 1972, 176, 803-805.	6.0	49

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73	The case is unchanged and remains robust: Australopithecus afarensis exhibits only moderate skeletal dimorphism. A reply to Plavcan et al. (2005). Journal of Human Evolution, 2005, 49, 279-288.	1.3	49
74	Plioâ€Pleistocene Hominid Limb Proportions. Current Anthropology, 2005, 46, 575-588.	0.8	48
75	Proximal Femoral Anatomy of Australopithecus. Nature, 1972, 235, 175-176.	13.7	46
76	Implications of relative robusticity in the Olduvai Metatarsus. American Journal of Physical Anthropology, 1972, 37, 93-95.	2.1	45
77	The pygmy chimpanzee is not a living missing link in human evolution. Journal of Human Evolution, 1981, 10, 475-488.	1.3	45
78	A hominoid humeral fragment from the Pliocene of Kenya. American Journal of Physical Anthropology, 1983, 60, 337-346.	2.1	45
79	Adaptationism and the anthropoid postcranium: Selection does not govern the length of the radial neck. Journal of Morphology, 2000, 246, 59-67.	0.6	44
80	Variation in mammalian proximal femoral development: comparative analysis of two distinct ossification patterns. Journal of Anatomy, 2007, 210, 249-258.	0.9	42
81	Of muscle-bound crania and human brain evolution: The story behind the MYH16 headlines. Journal of Human Evolution, 2006, 50, 232-236.	1.3	38
82	Ossification of the mouse metatarsal: Differentiation and proliferation in the presence/absence of a defined growth plate. The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology, 2006, 288A, 104-118.	2.0	37
83	Elements of the axial skeleton recovered from the Hadar formation: 1974-1977 collections. American Journal of Physical Anthropology, 1982, 57, 631-635.	2.1	34
84	Questions About Orrorin Femur. Science, 2005, 307, 845b-845b.	6.0	34
85	Age- and site-specific decline in insulin-like growth factor-I receptor expression is correlated with differential growth plate activity in the mouse hindlimb. Anatomical Record, 2007, 290, 375-381.	0.8	34
86	The vertebral formula of the last common ancestor of African apes and humans. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2010, 314B, 123-134.	0.6	34
87	The pisiform growth plate is lost in humans and supports a role for <i>Hox</i> in growth plate formation. Journal of Anatomy, 2014, 225, 527-538.	0.9	32
88	From Lucy to Kadanuumuu: balanced analyses of <i>Australopithecus afarensis</i> assemblages confirm only moderate skeletal dimorphism. PeerJ, 2015, 3, e925.	0.9	31
89	Histomorphological and geometric properties of human femoral cortex in individuals over 50: Implications for histomorphological determination of age-at-death. American Journal of Human Biology, 1994, 6, 659-667.	0.8	28
90	Anterolateral ligament anatomy: a comparative anatomical study. Knee Surgery, Sports Traumatology, Arthroscopy, 2017, 25, 1048-1054.	2.3	28

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91	Reliability of age at death in the hamann-todd collection: Validity of subselection procedures used in blind tests of the summary age technique. American Journal of Physical Anthropology, 1990, 83, 349-357.	2.1	27
92	First steps of bipedality in hominids: evidence from the atelid and proconsulid pelvis. PeerJ, 2016, 4, e1521.	0.9	27
93	Further evidence on relative dental maturation and somatic developmental rate in hominoids. American Journal of Physical Anthropology, 1992, 87, 29-38.	2.1	26
94	Did our ancestors knuckle-walk?. Nature, 2001, 410, 325-326.	13.7	26
95	Blood, Bulbs, and Bunodonts: On Evolutionary Ecology and the Diets of <i>Ardipithecus</i> , <i>Australopithecus</i> , and Early <i>Homo</i> . Quarterly Review of Biology, 2014, 89, 319-357.	0.0	26
96	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
97	Thermal engineering of stone increased prehistoric toolmaking skill. Scientific Reports, 2019, 9, 14591.	1.6	26
98	The Antiquity of Tarsal Coalition. Journal of Bone and Joint Surgery - Series A, 1969, 51, 979-983.	1.4	26
99	Ancient bone disease in a Peruvian mummy revealed by quantitative skeletal histomorphometry. American Journal of Physical Anthropology, 1981, 54, 321-326.	2.1	25
100	The Pelvic Girdle and Limb Bones of KSD-VP-1/1. Vertebrate Paleobiology and Paleoanthropology, 2016, , 155-178.	0.1	25
101	Anatomical, physiological, and epidemiological correlates of the aging process: A confirmation of multifactorial age determination in the Libben skeletal population. American Journal of Physical Anthropology, 1985, 68, 87-106.	2.1	24
102	Methods for the Detection of Census Error in Palaeodemography. American Anthropologist, 1971, 73, 101-109.	0.7	23
103	The radiographic preauricular groove: Its non-relationship to past parity. American Journal of Physical Anthropology, 1989, 79, 247-252.	2.1	23
104	<scp>W</scp> hy <scp>D</scp> o <scp>K</scp> nuckleâ€ <scp>W</scp> alking <scp>A</scp> frican <scp>A</scp> pes <scp>K</scp> nuckleâ€ <scp>W</scp> alk?. Anatomical Record, 2018, 301, 496-514.	0.8	22
105	The Ardipithecus ramidus skull and its implications for hominid origins. Science, 2009, 326, 68e1-7.	6.0	22
106	Locomotor pattern fails to predict foramen magnum angle in rodents, strepsirrhine primates, and marsupials. Journal of Human Evolution, 2016, 94, 45-52.	1.3	21
107	Relative dental development in hominoids and its failure to predict somatic growth velocity. American Journal of Physical Anthropology, 1991, 86, 113-120.	2.1	20
108	Growth plate formation and development in alligator and mouse metapodials: evolutionary and functional implications. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2007, 308B, 283-296.	0.6	19

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109	Evolution of the hominoid scapula and its implications for earliest hominid locomotion. American Journal of Physical Anthropology, 2017, 162, 682-700.	2.1	19
110	Ectocranial suture closure in <i>Pan troglodytes</i> and <i>Gorilla gorilla</i> : Pattern and phylogeny. American Journal of Physical Anthropology, 2008, 136, 394-399.	2.1	18
111	The Taxonomic Status of the 'Meganthropus' Mandibular Fragments from the Djetis Beds of Java. Man; A Monthly Record of Anthropological Science, 1970, 5, 228.	0.3	17
112	Metapodial or Phalanx? An Evolutionary and Developmental Perspective on the Homology of the First Ray's Proximal Segment. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2013, 320, 276-285.	0.6	17
113	Early hominids may have been weed species. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1244-1249.	3.3	15
114	Geometrical properties of bone sections determined by laminography and physical section. Journal of Biomechanics, 1977, 10, 527-528.	0.9	14
115	The Thoracic Cage of KSD-VP-1/1. Vertebrate Paleobiology and Paleoanthropology, 2016, , 143-153.	0.1	12
116	<i>Ardipithecus</i> and Early Human Evolution in Light of Twenty-First-Century Developmental Biology. Journal of Anthropological Research, 2014, 70, 337-363.	0.1	10
117	Developmental identity versus typology: Lucy has only four sacral segments. American Journal of Physical Anthropology, 2016, 160, 729-739.	2.1	10
118	Method and Theory in Paleodemography, with an Application to a Hunting, Fishing and Gathering Village from the Late Eastern Woodlands of North America. , 0, , 601-617.		10
119	A rediagnosis of the genus Australopithecus. Journal of Human Evolution, 1975, 4, 275-276.	1.3	8
120	Models of Human Evolution. Science, 1982, 217, 304-306.	6.0	7
121	Comparison of diaphyseal growth between the Libben population and the Hamann-Todd chimpanzee sample. , 1996, 99, 67-78.		7
122	The hominid ilium is shaped by a synapomorphic growth mechanism that is unique within primates. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13915-13920.	3.3	7
123	The Libben Site: a Hunting, Fishing, and Gathering Village from the Eastern Late Woodlands of North America. Analysis and Implications for Palaeodemography and Human Origins. , 2008, , 259-275.		7
124	The Functional Anatomy of the Carpometacarpal Complex in Anthropoids and Its Implications for the Evolution of the Hominoid Hand. Anatomical Record, 2016, 299, 583-600.	0.8	6
125	The nucleus accumbens and ventral pallidum exhibit greater dopaminergic innervation in humans compared to other primates. Brain Structure and Function, 2021, 226, 1909-1923.	1.2	6
126	Response to Comment on the Paleobiology and Classification of <i>Ardipithecus ramidus</i> . Science, 2010, 328, 1105-1105.	6.0	5

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127	Proximal Femoral Musculoskeletal Morphology of Chimpanzees and its Evolutionary Significance: A Critique of Morimoto et al. (2011). Anatomical Record, 2012, 295, 2039-2044.	0.8	5
128	Conclusion: Implications of KSD-VP-1/1 for Early Hominin Paleobiology and Insights into the Chimpanzee/Human Last Common Ancestor. Vertebrate Paleobiology and Paleoanthropology, 2016, , 179-187.	0.1	5
129	Rock Music: An Auditory Assessment of Knapping. Lithic Technology, 2021, 46, 320-335.	0.4	5
130	An early ape shows its hand. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2373-2374.	1.2	4
131	Studying Extant Species to Model Our Past—Response. Science, 2010, 327, 410-411.	6.0	4
132	Current Evidence Supports Welling as an Outcrop-Related Base Camp. American Antiquity, 2021, 86, 867-870.	0.6	4
133	Bony Morphology: Comparative Anatomy and its Importance for the Anterior Cruciate Ligament. Operative Techniques in Orthopaedics, 2017, 27, 2-7.	0.2	3
134	Odd-nosed monkey scapular morphology converges on that of arm-swinging apes. Journal of Human Evolution, 2020, 143, 102784.	1.3	3
135	Testing the test of the multifactorial aging method: A reply to fairgrieve and oost. American Journal of Physical Anthropology, 1995, 97, 85-87.	2.1	2
136	Let bone and muscle talk together: a study of real and virtual dissection and its implications for femoral musculoskeletal structure of chimpanzees. Journal of Anatomy, 2015, 226, 258-267.	0.9	2
137	The foot of the human–chimpanzee last common ancestor was not African ape-like: A response to Prang (2019). Journal of Human Evolution, 2022, 164, 102940.	1.3	2
138	Hominid brain expansion and reproductive success. Behavioral and Brain Sciences, 2001, 24, 290-290.	0.4	1
139	: Early Hominid Posture and Locomotion . John T. Robinson American Anthropologist, 1974, 76, 678-680.	0.7	0
140	Ignoring <i>Ardipithecus</i> in an origins scenario for bipedality is…lame. Antiquity, 2014, 88, 919-921.	0.5	0
141	Scapular breadth does not discriminate suspension from clambering in hominoids: A response to <scp>S</scp> pear and <scp>W</scp> illiams. American Journal of Physical Anthropology, 2018, 167, 197-199.	2.1	0
142	Upright walking has driven unique vascular specialization of the hominin ilium. PeerJ, 2021, 9, e12240.	0.9	0
143	Parallel lumbar and pelvic morphology in atelines and early hominids: clues to the earliest hominid adaptations to upright walking?. FASEB Journal, 2013, 27, 756.11.	0.2	0