C Owen Lovejoy

List of Publications by Citations

143 papers	12,989 citations	58 h-index	113 g-index
148 ext. papers	14,708 ext. citations	9.2 avg, IF	6.42 L-index

#	Paper	IF	Citations
143	The origin of man. *Science*, **1981**, 211, 341-50	33.3	1198
142	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	2.5	1090
141	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	2.5	835
140	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	2.5	404
139	Evolution of human walking. *Scientific American*, **1988**, 259, 118-25	0.5	370
138	Ardipithecus ramidus and the Paleobiology of Early Hominids. *Science*, **2009**, 326, 64-64, 75-86	33.3	365
137	Multifactorial determination of skeletal age at death: a method and blind tests of its accuracy. *American Journal of Physical Anthropology*, **1985**, 68, 1-14	2.5	341
136	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	2.5	322
135	The gait of Australopithecus. *American Journal of Physical Anthropology*, **1973**, 38, 757-79	2.5	274
134	The Pelvis and Femur of Ardipithecus ramidus: The Emergence of Upright Walking. *Science*, **2009**, 326, 71-71, 71e1-71e6	33.3	226
133	The natural history of human gait and posture. Part 1. Spine and pelvis. *Gait and Posture*, **2005**, 21, 95-112	2.6	223
132	Reexamining Human Origins in Light of Ardipithecus ramidus. *Science*, **2009**, 326, 74-74, 74e1-74e8	33.3	215
131	Asa Issie, Aramis and the origin of Australopithecus. *Nature*, **2006**, 440, 883-9	50.4	204
130	The obstetric pelvis of A.L. 288-1 (Lucy). *Journal of Human Evolution*, **1986**, 15, 237-255	3.1	193
129	Combining Prehension and Propulsion: The Foot of Ardipithecus ramidus. *Science*, **2009**, 326, 72-72, 72e1-72e8	33.3	191
128	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	2.5	188
127	An early Australopithecus afarensis postcranium from Woranso-Mille, Ethiopia. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 12121-6	11.5	177

126	The Great Divides: Ardipithecus ramidus Reveals the Postcrania of Our Last Common Ancestors with African Apes. *Science*, **2009**, 326, 73-73, 100-106	33.3	177
125	The calcaneus of Australopithecus afarensis and its implications for the evolution of bipedality. *American Journal of Physical Anthropology*, **1989**, 78, 369-86	2.5	176
124	Careful Climbing in the Miocene: The Forelimbs of Ardipithecus ramidus and Humans Are Primitive. *Science*, **2009**, 326, 70-70, 70e1-70e8	33.3	173
123	Talocrural joint in African hominoids: implications for Australopithecus afarensis. *American Journal of Physical Anthropology*, **1987**, 74, 155-75	2.5	167
122	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, 9404-9	11.5	161
121	Morphological analysis of the mammalian postcranium: a developmental perspective. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 13247-52	11.5	153
120	Ardipithecus ramidus and the paleobiology of early hominids. *Science*, **2009**, 326, 75-86	33.3	152
119	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	3	149
118	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	2.5	148
117	Accuracy and direction of error in the sexing of the skeleton: implications for paleodemography. *American Journal of Physical Anthropology*, **1985**, 68, 79-85	2.5	148
116	Paleodemography of the libben site, Ottawa county, ohio. *Science*, **1977**, 198, 291-3	33.3	139
115	Paleobiological Implications of the Ardipithecus ramidus Dentition. *Science*, **2009**, 326, 69-69, 94-99	33.3	131
114	Hallucal tarsometatarsal joint in Australopithecus afarensis. *American Journal of Physical Anthropology*, **1990**, 82, 125-33	2.5	119
113	Neither chimpanzee nor human, Ardipithecus reveals the surprising ancestry of both. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 4877-84	11.5	118
112	Climate change and the integrity of science. *Science*, **2010**, 328, 689-90	33.3	116
111	The biomechanical analysis of bone strength: a method and its application to platycnemia. *American Journal of Physical Anthropology*, **1976**, 44, 489-505	2.5	113
110	The natural history of human gait and posture. Part 2. Hip and thigh. *Gait and Posture*, **2005**, 21, 113-24	2.6	111
109	Hominid carpal, metacarpal, and phalangeal bones recovered from the Hadar formation: 1974–1977 collections. *American Journal of Physical Anthropology*, **1982**, 57, 651-677	2.5	111

108	Developmental Biology and Human Evolution. *Annual Review of Anthropology*, **2003**, 32, 85-109	3.6	103
107	Test of the multifactorial aging method using skeletons with known ages-at-death from the Grant Collection. *American Journal of Physical Anthropology*, **1993**, 91, 287-97	2.5	103
106	Hominid tarsal, metatarsal, and phalangeal bones recovered from the Hadar formation: 1974–1977 collections. *American Journal of Physical Anthropology*, **1982**, 57, 701-719	2.5	103
105	The Ardipithecus ramidus Skull and Its Implications for Hominid Origins. *Science*, **2009**, 326, 68-68, 68e1-68e7	33.3	99
104	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, 19348-53	11.5	97
103	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	2.5	94
102	Metatarsophalangeal joints of Australopithecus afarensis. *American Journal of Physical Anthropology*, **1990**, 83, 13-23	2.5	93
101	Cortical bone distribution in the femoral neck of hominoids: implications for the locomotion of Australopithecus afarensis. *American Journal of Physical Anthropology*, **1997**, 104, 117-31	2.5	91
100	The great divides: Ardipithecus ramidus reveals the postcrania of our last common ancestors with African apes. *Science*, **2009**, 326, 100-6	33.3	88
99	The distal femoral anatomy of Australopithecus. *American Journal of Physical Anthropology*, **1971**, 35, 75-84	2.5	80
98	Femoral morphology and cross-sectional geometry of adult myostatin-deficient mice. *Bone*, **2000**, 27, 343-9	4.7	76
97	The Chimpanzee Has No Clothes. *Current Anthropology*, **2008**, 49, 87-114	2.1	75
96	The natural history of human gait and posture. Part 3. The knee. *Gait and Posture*, **2007**, 25, 325-41	2.6	74
95	Strength and robusticity of the Neandertal tibia. *American Journal of Physical Anthropology*, **1980**, 53, 465-470	2.5	73
94	Reexamining human origins in light of Ardipithecus ramidus. *Science*, **2009**, 326, 74e1-8	33.3	73
93	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	2.5	70
92	A reconstruction of the femur of Australopithecus africanus. *American Journal of Physical Anthropology*, **1970**, 32, 33-40	2.5	69
91	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, 3289-99	5.8	67

90	Hominid lower limb bones recovered from the Hadar formation: 1974–1977 collections. *American Journal of Physical Anthropology*, **1982**, 57, 679-700	2.5	65
89	Bone mineral content and density in the humerus of adult myostatin-deficient mice. *Calcified Tissue International*, **2002**, 71, 63-8	3.9	64
88	The pelvis and femur of Ardipithecus ramidus: the emergence of upright walking. *Science*, **2009**, 326, 71e1-6	33.3	62
87	Collagen fiber orientation in the femoral necks of apes and humans: do their histological structures reflect differences in locomotor loading?. *Bone*, **2002**, 31, 327-32	4.7	61
86	Careful climbing in the Miocene: the forelimbs of Ardipithecus ramidus and humans are primitive. *Science*, **2009**, 326, 70e1-8	33.3	59
85	Hominoid dental maturation. *Journal of Human Evolution*, **1990**, 19, 285-297	3.1	58
84	Combining prehension and propulsion: the foot of Ardipithecus ramidus. *Science*, **2009**, 326, 72e1-8	33.3	58
83	Long bone growth velocity in the Libben population. *American Journal of Human Biology*, **1990**, 2, 533-541	2.7	55
82	Human Evolution and the Chimpanzee Referential Doctrine. *Annual Review of Anthropology*, **2012**, 41, 119-138	3.6	52
81	AL 288-1--Lucy or Lucifer: gender confusion in the Pliocene. *Journal of Human Evolution*, **1998**, 35, 75-94	3.1	52
80	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**, 310, 240-58	1.8	50
79	Branching, segmentation and the metapterygial axis: pattern versus process in the vertebrate limb. *BioEssays*, **2002**, 24, 460-5	4.1	50
78	Biomechanical Perspectives on the Lower Limb of Early Hominids **1975**, 291-326		50
77	Paleobiological implications of the Ardipithecus ramidus dentition. *Science*, **2009**, 326, 94-9	33.3	50
76	An enlarged postcranial sample confirms Australopithecus afarensis dimorphism was similar to modern humans. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2010**, 365, 3355-63	5.8	47
75	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, 279-88	3.1	44
74	Adaptationism and the anthropoid postcranium: selection does not govern the length of the radial neck. *Journal of Morphology*, **2000**, 246, 59-67	1.6	44
73	Hominid upper limb bones recovered from the Hadar formation: 1974–1977 collections. *American Journal of Physical Anthropology*, **1982**, 57, 637-649	2.5	44

72	Plio-Pleistocene Hominid Limb Proportions. *Current Anthropology*, **2005**, 46, 575-588	2.1	43
71	A hominoid humeral fragment from the Pliocene of Kenya. *American Journal of Physical Anthropology*, **1983**, 60, 337-46	2.5	41
70	The pygmy chimpanzee is not a living missing link in human evolution. *Journal of Human Evolution*, **1981**, 10, 475-488	3.1	41
69	Implications of relative robusticity in the Olduvai metatarsus. *American Journal of Physical Anthropology*, **1972**, 37, 93-5	2.5	41
68	Independent test of the fourth rib aging technique. *American Journal of Physical Anthropology*, **1993**, 92, 53-62	2.5	40
67	Primate phylogeny and immunological distance. *Science*, **1972**, 176, 803-5	33.3	40
66	Proximal Femoral Anatomy of Australopithecus. *Nature*, **1972**, 235, 175-176	50.4	39
65	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	11.5	36
64	Variation in mammalian proximal femoral development: comparative analysis of two distinct ossification patterns. *Journal of Anatomy*, **2007**, 210, 249-58	2.9	36
63	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**, 288, 104-18		34
62	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, 375-81	2.1	28
61	Elements of the axial skeleton recovered from the Hadar formation: 1974–1977 collections. *American Journal of Physical Anthropology*, **1982**, 57, 631-635	2.5	28
60	Questions About Orrorin Femur. *Science*, **2005**, 307, 845b	33.3	27
59	Palaeoanthropology: Did our ancestors knuckle-walk?. *Nature*, **2001**, 410, 325-6	50.4	24
58	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, 349-57	2.5	24
57	First steps of bipedality in hominids: evidence from the atelid and proconsulid pelvis. *PeerJ*, **2016**, 4, e1523	2.1	24
56	The pisiform growth plate is lost in humans and supports a role for Hox in growth plate formation. *Journal of Anatomy*, **2014**, 225, 527-38	2.9	22
55	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	2.7	22

54	Further evidence on relative dental maturation and somatic developmental rate in hominoids. *American Journal of Physical Anthropology*, **1992**, 87, 29-38	2.5	22
53	Blood, bulbs, and bunodonts: on evolutionary ecology and the diets of Ardipithecus, Australopithecus, and early Homo. *Quarterly Review of Biology*, **2014**, 89, 319-57	5.4	21
52	Anterolateral ligament anatomy: a comparative anatomical study. *Knee Surgery, Sports Traumatology, Arthroscopy*, **2017**, 25, 1048-1054	5.5	20
51	The vertebral formula of the last common ancestor of African apes and humans. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2010**, 314, 123-34	1.8	20
50	Ancient bone disease in a Peruvian mummy revealed by quantitative skeletal histomorphometry. *American Journal of Physical Anthropology*, **1981**, 54, 321-326	2.5	20
49	The Antiquity of Tarsal Coalition. *Journal of Bone and Joint Surgery - Series A*, **1969**, 51, 979-983	5.6	20
48	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	1.4	19
47	The Ardipithecus ramidus skull and its implications for hominid origins. *Science*, **2009**, 326, 68e1-7	33.3	19
46	Thermal engineering of stone increased prehistoric toolmaking skill. *Scientific Reports*, **2019**, 9, 14591	4.9	18
45	Relative dental development in hominoids and its failure to predict somatic growth velocity. *American Journal of Physical Anthropology*, **1991**, 86, 113-120	2.5	18
44	The radiographic preauricular groove: its non-relationship to past parity. *American Journal of Physical Anthropology*, **1989**, 79, 247-52	2.5	18
43	Methods for the Detection of Census Error in Palaeodemography1. *American Anthropologist*, **1971**, 73, 101-109	1.5	18
42	Locomotor pattern fails to predict foramen magnum angle in rodents, strepsirrhine primates, and marsupials. *Journal of Human Evolution*, **2016**, 94, 45-52	3.1	17
41	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	2.5	17
40	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**, 308, 283-96	1.8	16
39	Ectocranial suture closure in Pan troglodytes and Gorilla gorilla: pattern and phylogeny. *American Journal of Physical Anthropology*, **2008**, 136, 394-9	2.5	16
38	Why Do Knuckle-Walking African Apes Knuckle-Walk?. *Anatomical Record*, **2018**, 301, 496-514	2.1	15
37	The Pelvic Girdle and Limb Bones of KSD-VP-1/1. *Vertebrate Paleobiology and Paleoanthropology*, **2016**, 155-178	0.8	15

36	From Lucy to Kadanuumuu: balanced analyses of Australopithecus afarensis assemblages confirm only moderate skeletal dimorphism. *PeerJ*, **2015**, 3, e925	3.1	15
35	Metapodial or phalanx? An evolutionary and developmental perspective on the homology of the first rayS's proximal segment. *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*, **2013**, 320, 276-85	1.8	13
34	Evolution of the hominoid scapula and its implications for earliest hominid locomotion. *American Journal of Physical Anthropology*, **2017**, 162, 682-700	2.5	12
33	Geometrical properties of bone sections determined by laminography and physical section. *Journal of Biomechanics*, **1977**, 10, 527-8	2.9	12
32	The Taxonomic Status of the SMeganthropusSMandibular Fragments from the Djetis Beds of Java. *Man; A Monthly Record of Anthropological Science*, **1970**, 5, 228		12
31	Early hominids may have been weed species. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 1244-1249	11.5	11
30	The Thoracic Cage of KSD-VP-1/1. *Vertebrate Paleobiology and Paleoanthropology*, **2016**, 143-153	0.8	10
29	Ardipithecusand Early Human Evolution in Light of Twenty-First-Century Developmental Biology. *Journal of Anthropological Research*, **2014**, 70, 337-363	0.6	9
28	Developmental identity versus typology: Lucy has only four sacral segments. *American Journal of Physical Anthropology*, **2016**, 160, 729-39	2.5	8
27	Method and Theory in Paleodemography, with an Application to a Hunting, Fishing and Gathering Village from the Late Eastern Woodlands of North America601-617		8
26	Comparison of diaphyseal growth between the Libben Population and the Hamann-Todd chimpanzee sample. *American Journal of Physical Anthropology*, **1996**, 99, 67-78	2.5	7
25	A rediagnosis of the genus Australopithecus. *Journal of Human Evolution*, **1975**, 4, 275-276	3.1	7
24	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	0.8	4
23	Studying Extant Species to Model Our Past--Response. *Science*, **2010**, 327, 410-411	33.3	4
22	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	2.1	4
21	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		4
20	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	11.5	3
19	Response to Comment on the Paleobiology and Classification of Ardipithecus ramidus. *Science*, **2010**, 328, 1105-1105	33.3	3

18	Comment: an early ape shows its hand. *Proceedings of the Royal Society B: Biological Sciences*, **2007**, 274, 2373-4	4.4	3
17	Models of human evolution. *Science*, **1982**, 217, 304-6	33.3	3
16	Current Evidence Supports Welling as an Outcrop-Related Base Camp. *American Antiquity*, **2021**, 86, 867-870	0.9	2
15	Bony Morphology: Comparative Anatomy and its Importance for the Anterior Cruciate Ligament. *Operative Techniques in Orthopaedics*, **2017**, 27, 2-7	0.3	1
14	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, 258-67	2.9	1
13	Hominid brain expansion and reproductive success. *Behavioral and Brain Sciences*, **2001**, 24, 290-290	0.9	1
12	Testing the test of the multifactorial aging method: A reply to fairgrieve and oost. *American Journal of Physical Anthropology*, **1995**, 97, 85-87	2.5	1
11	The nucleus accumbens and ventral pallidum exhibit greater dopaminergic innervation in humans compared to other primates. *Brain Structure and Function*, **2021**, 226, 1909-1923	4	1
10	Odd-nosed monkey scapular morphology converges on that of arm-swinging apes. *Journal of Human Evolution*, **2020**, 143, 102784	3.1	1
9	The foot of the human-chimpanzee last common ancestor was not African ape-like: A response to Prang (2019). *Journal of Human Evolution*, **2021**, 164, 102940	3.1	1
8	Rock Music: An Auditory Assessment of Knapping. *Lithic Technology*,1-16	1.2	1
7	Scapular breadth does not discriminate suspension from clambering in hominoids: A response to Spear and Williams. *American Journal of Physical Anthropology*, **2018**, 167, 197-199	2.5	
6	Ignoring Ardipithecus in an origins scenario for bipedality is lame. *Antiquity*, **2014**, 88, 919-921	1	
5	Histoire naturelle de la marche et de la posture chez l'Homme. Partie 2. Hanche et cuisse **2005**, 1, 113-128		
4	Histoire naturelle de la marche et de la posture humaine: colonne vertébrale et pelvis **2005**, 1, 129-151		
3	Early Hominid Posture and Locomotion. JOHN T. ROBINSON. *American Anthropologist*, **1974**, 76, 678-680	1.5	
2	Upright walking has driven unique vascular specialization of the hominin ilium. *PeerJ*, **2021**, 9, e12240	3.1	
1	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	0.9	