C Owen Lovejoy

List of Publications by Year
in descending order

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143 papers	16,213 citations	20817 60 h-index	16650 123 g-index
148 all docs	148 docs citations	148 times ranked	5612 citing authors

#	Article	IF	Citations
1	The foot of the humanâ€“chimpanzee last common ancestor was not African ape-like: A response to Prang (2019). Journal of Human Evolution, 2022, 164, 102940.	2.6	2
2	The nucleus accumbens and ventral pallidum exhibit greater dopaminergic innervation in humans compared to other primates. Brain Structure and Function, 2021, 226, 1909-1923.	2.3	6
3	Rock Music: An Auditory Assessment of Knapping. Lithic Technology, 2021, 46, 320-335.	1.1	5
4	Upright walking has driven unique vascular specialization of the hominin ilium. PeerJ, 2021, 9, e12240.	2.0	0
5	Current Evidence Supports Welling as an Outcrop-Related Base Camp. American Antiquity, 2021, 86, 867-870.	1.1	4
6	Odd-nosed monkey scapular morphology converges on that of arm-swinging apes. Journal of Human Evolution, 2020, 143, 102784.	2.6	3
7	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.	1.1	26
8	Thermal engineering of stone increased prehistoric toolmaking skill. Scientific Reports, 2019, 9, 14591.	3.3	26
9	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.	7.1	7
10	<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.	1.4	22
11	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.	7.1	57
12	Early hominids may have been weed species. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1244-1249.	7.1	15
13	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
14	Anterolateral ligament anatomy: a comparative anatomical study. Knee Surgery, Sports Traumatology, Arthroscopy, 2017, 25, 1048-1054.	4.2	28
15	Evolution of the hominoid scapula and its implications for earliest hominid locomotion. American Journal of Physical Anthropology, 2017, 162, 682-700.	2.1	19
16	Bony Morphology: Comparative Anatomy and its Importance for the Anterior Cruciate Ligament. Operative Techniques in Orthopaedics, 2017, 27, 2-7.	0.1	3
17	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.	1.4	6
18	Developmental identity versus typology: Lucy has only four sacral segments. American Journal of Physical Anthropology, 2016, 160, 729-739.	2.1	10

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19	The Pelvic Girdle and Limb Bones of KSD-VP-1/1. Vertebrate Paleobiology and Paleoanthropology, 2016, , 155-178.	0.5	25
20	The Thoracic Cage of KSD-VP-1/1. Vertebrate Paleobiology and Paleoanthropology, 2016, , 143-153.	0.5	12
21	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.	0.5	5
22	Locomotor pattern fails to predict foramen magnum angle in rodents, strepsirrhine primates, and marsupials. Journal of Human Evolution, 2016, 94, 45-52.	2.6	21
23	First steps of bipedality in hominids: evidence from the atelid and proconsulid pelvis. PeerJ, 2016, 4, e1521.	2.0	27
24	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, 4877-4884.	7.1	170
25	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.	1.5	2
26	From Lucy to Kadanuumuu: balanced analyses ofAustralopithecus afarensisassemblages confirm only moderate skeletal dimorphism. PeerJ, 2015, 3, e925.	2.0	31
27	Ardipithecusand Early Human Evolution in Light of Twenty-First-Century Developmental Biology. Journal of Anthropological Research, 2014, 70, 337-363.	0.1	10
28	Blood, Bulbs, and Bunodonts: On Evolutionary Ecology and the Diets of Ardipithecus, Australopithecus, and Early Homo. Quarterly Review of Biology, 2014, 89, 319-357.	0.1	26
29	Ignoring Ardipithecus in an origins scenario for bipedality isâ€¦lame. Antiquity, 2014, 88, 919-921.	1.0	0
30	The pisiform growth plate is lost in humans and supports a role for Hox in growth plate formation. Journal of Anatomy, 2014, 225, 527-538.	1.5	32
31	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.	1.3	17
32	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.	0.5	0
33	Proximal Femoral Musculoskeletal Morphology of Chimpanzees and its Evolutionary Significance: A Critique of Morimoto et al. (2011). Anatomical Record, 2012, 295, 2039-2044.	1.4	5
34	Human Evolution and the Chimpanzee Referential Doctrine. Annual Review of Anthropology, 2012, 41, 119-138.	1.5	63
35	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.	1.3	34
36	Response to Comment on the Paleobiology and Classification of Ardipithecus ramidus. Science, 2010, 328, 1105-1105.	12.6	5

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37	An earlyAustralopithecus afarensispostcranium from Woranso-Mille, Ethiopia. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12121-12126.	7.1	224
38	An enlarged postcranial sample confirms Australopithecus afarensis dimorphism was similar to modern humans. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 3355-3363.	4.0	54
39	Spinopelvic pathways to bipedality: why no hominids ever relied on a bent-hipâ€“bent-knee gait. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 3289-3299.	4.0	84
40	Studying Extant Species to Model Our Pastâ€”Response. Science, 2010, 327, 410-411.	12.6	4
41	Climate Change and the Integrity of Science. Science, 2010, 328, 689-690.	12.6	143
42	Combining Prehension and Propulsion: The Foot of Ardipithecus ramidus. Science, 2009, 326, 72.	12.6	223
43	Reexamining Human Origins in Light of Ardipithecus ramidus. Science, 2009, 326, 74.	12.6	289
44	The Great Divides: Ardipithecus ramidus Reveals the Postcrania of Our Last Common Ancestors with African Apes. Science, 2009, 326, 73-106.	12.6	233
45	Paleobiological Implications of the Ardipithecus ramidus Dentition. Science, 2009, 326, 69-99.	12.6	162
46	The Pelvis and Femur of Ardipithecus ramidus : The Emergence of Upright Walking. Science, 2009, 326, 71.	12.6	291
47	Careful Climbing in the Miocene: The Forelimbs of Ardipithecus ramidus and Humans Are Primitive. Science, 2009, 326, 70.	12.6	211
48	The Ardipithecus ramidus Skull and Its Implications for Hominid Origins. Science, 2009, 326, 68.	12.6	127
49	Ardipithecus ramidus and the Paleobiology of Early Hominids. Science, 2009, 326, 64-86.	12.6	491
50	Ardipithecus ramidus and the paleobiology of early hominids. Science, 2009, 326, 75-86.	12.6	166
51	The Ardipithecus ramidus skull and its implications for hominid origins. Science, 2009, 326, 68e1-7.	12.6	22
52	Paleobiological implications of the Ardipithecus ramidus dentition. Science, 2009, 326, 94-9.	12.6	56
53	Careful climbing in the Miocene: the forelimbs of Ardipithecus ramidus and humans are primitive. Science, 2009, 326, 70e1-8.	12.6	61
54	The pelvis and femur of Ardipithecus ramidus: the emergence of upright walking. Science, 2009, 326, 71e1-6.	12.6	65

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55	Combining prehension and propulsion: the foot of Ardipithecus ramidus. Science, 2009, 326, 72e1-8.	12.6	61
56	The great divides: Ardipithecus ramidus reveals the postcrania of our last common ancestors with African apes. Science, 2009, 326, 100-6.	12.6	95
57	Reexamining human origins in light of Ardipithecus ramidus. Science, 2009, 326, 74e1-8.	12.6	77
58	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.	1.3	56
59	Ectocranial suture closure in Pan troglodytes and Gorilla gorilla: Pattern and phylogeny. American Journal of Physical Anthropology, 2008, 136, 394-399.	2.1	18
60	The Chimpanzee Has No Clothes. Current Anthropology, 2008, 49, 87-114.	1.6	99
61	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.	7.1	119
62	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
63	An early ape shows its hand. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2373-2374.	2.6	4
64	The natural history of human gait and posture. Gait and Posture, 2007, 25, 325-341.	1.4	104
65	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.	1.4	34
66	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.	1.3	19
67	Variation in mammalian proximal femoral development: comparative analysis of two distinct ossification patterns. Journal of Anatomy, 2007, 210, 249-258.	1.5	42
68	Asa Issie, Aramis and the origin of Australopithecus. Nature, 2006, 440, 883-889.	27.8	244
69	Of muscle-bound crania and human brain evolution: The story behind the MYH16 headlines. Journal of Human Evolution, 2006, 50, 232-236.	2.6	38
70	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
71	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.	2.6	49
72	Plioâ€Pleistocene Hominid Limb Proportions. Current Anthropology, 2005, 46, 575-588.	1.6	48

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73	Questions About Orrorin Femur. Science, 2005, 307, 845b-845b.	12.6	34
74	The natural history of human gait and posture. Gait and Posture, 2005, 21, 95-112.	1.4	269
75	The natural history of human gait and posture. Gait and Posture, 2005, 21, 113-124.	1.4	128
76	Developmental Biology and Human Evolution. Annual Review of Anthropology, 2003, 32, 85-109.	1.5	122
77	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.	7.1	198
78	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.	2.9	63
79	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
80	Branching, segmentation and the metapterygial axis: pattern versus process in the vertebrate limb. BioEssays, 2002, 24, 460-465.	2.5	57
81	Bone Mineral Content and Density in the Humerus of Adult Myostatin-Deficient Mice. Calcified Tissue International, 2002, 71, 63-68.	3.1	77
82	Did our ancestors knuckle-walk?. Nature, 2001, 410, 325-326.	27.8	26
83	Hominid brain expansion and reproductive success. Behavioral and Brain Sciences, 2001, 24, 290-290.	0.7	1
84	Adaptationism and the anthropoid postcranium: Selection does not govern the length of the radial neck. Journal of Morphology, 2000, 246, 59-67.	1.2	44
85	Femoral morphology and cross-sectional geometry of adult myostatin-deficient mice. Bone, 2000, 27, 343-349.	2.9	88
86	Morphological analysis of the mammalian postcranium: A developmental perspective. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 13247-13252.	7.1	172
87	AL 288-1â€"Lucy or Lucifer: gender confusion in the Pliocene. Journal of Human Evolution, 1998, 35, 75-94.	2.6	63
88	Cortical bone distribution in the femoral neck of hominoids: Implications for the locomotion ofAustralopithecus afarensis. , 1997, 104, 117-131.		104
89	Comparison of diaphyseal growth between the Libben population and the Hamann-Todd chimpanzee sample. , 1996, 99, 67-78.		7
90	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

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91	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.	1.6	28
92	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
93	Independent test of the fourth rib aging technique. American Journal of Physical Anthropology, 1993, 92, 53-62.	2.1	52
94	Further evidence on relative dental maturation and somatic developmental rate in hominoids. American Journal of Physical Anthropology, 1992, 87, 29-38.	2.1	26
95	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
96	Hominoid dental maturation. Journal of Human Evolution, 1990, 19, 285-297.	2.6	67
97	Long bone growth velocity in the Libben population. American Journal of Human Biology, 1990, 2, 533-541.	1.6	71
98	Hallucal tarsometatarsal joint inAustralopithecus afarensis. American Journal of Physical Anthropology, 1990, 82, 125-133.	2.1	133
99	Metatarsophalangeal joints ofAustralopithecus afarensis. American Journal of Physical Anthropology, 1990, 83, 13-23.	2.1	109
100	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
101	The calcaneus ofAustralopithecus afarensis and its implications for the evolution of bipedality. American Journal of Physical Anthropology, 1989, 78, 369-386.	2.1	209
102	The radiographic preauricular groove: Its non-relationship to past parity. American Journal of Physical Anthropology, 1989, 79, 247-252.	2.1	23
103	Evolution of Human Walking. Scientific American, 1988, 259, 118-125.	1.0	451
104	Talocrural joint in African hominoids: Implications forAustralopithecus afarensis. American Journal of Physical Anthropology, 1987, 74, 155-175.	2.1	191
105	The obstetric pelvis of A.L. 288-1 (Lucy). Journal of Human Evolution, 1986, 15, 237-255.	2.6	230
106	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
107	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
108	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

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109	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
110	Ectocranial suture closure: A revised method for the determination of skeletal age at death based on the lateralâ€anterior sutures. American Journal of Physical Anthropology, 1985, 68, 57-66.	2.1	1,120
111	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
112	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
113	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
114	A hominoid humeral fragment from the Pliocene of Kenya. American Journal of Physical Anthropology, 1983, 60, 337-346.	2.1	45
115	Models of Human Evolution. Science, 1982, 217, 304-306.	12.6	7
116	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
117	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
118	Hominid upper limb bones recovered from the Hadar formation: 1974-1977 collections. American Journal of Physical Anthropology, 1982, 57, 637-649.	2.1	60
119	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
120	Hominid lower limb bones recovered from the Hadar formation: 1974-1977 collections. American Journal of Physical Anthropology, 1982, 57, 679-700.	2.1	75
121	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
122	The pygmy chimpanzee is not a living missing link in human evolution. Journal of Human Evolution, 1981, 10, 475-488.	2.6	45
123	Ancient bone disease in a Peruvian mummy revealed by quantitative skeletal histomorphometry. American Journal of Physical Anthropology, 1981, 54, 321-326.	2.1	25
124	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
125	The Origin of Man. Science, 1981, 211, 341-350.	12.6	1,469
126	Strength and robusticity of the Neandertal tibia. American Journal of Physical Anthropology, 1980, 53, 465-470.	2.1	95

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127	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.	1.2	180
128	Geometrical properties of bone sections determined by laminography and physical section. Journal of Biomechanics, 1977, 10, 527-528.	2.1	14
129	Paleodemography of the Libben Site, Ottawa County, Ohio. Science, 1977, 198, 291-293.	12.6	164
130	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
131	A rediagnosis of the genus Australopithecus. Journal of Human Evolution, 1975, 4, 275-276.	2.6	8
132	Biomechanical Perspectives on the Lower Limb of Early Hominids. , 1975, , 291-326.		68
133	: Early Hominid Posture and Locomotion . John T. Robinson.. American Anthropologist, 1974, 76, 678-680.	1.4	0
134	The gait ofAustralopithecus. American Journal of Physical Anthropology, 1973, 38, 757-779.	2.1	402
135	Primate Phylogeny and Immunological Distance. Science, 1972, 176, 803-805.	12.6	49
136	Implications of relative robusticity in the Olduvai Metatarsus. American Journal of Physical Anthropology, 1972, 37, 93-95.	2.1	45
137	Proximal Femoral Anatomy of Australopithecus. Nature, 1972, 235, 175-176.	27.8	46
138	Methods for the Detection of Census Error in Palaeodemography. American Anthropologist, 1971, 73, 101-109.	1.4	23
139	The distal femoral anatomy ofAustralopithecus. American Journal of Physical Anthropology, 1971, 35, 75-84.	2.1	100
140	A reconstruction of the femur ofAustralopithecus africanus. American Journal of Physical Anthropology, 1970, 32, 33-40.	2.1	80
141	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
142	The Antiquity of Tarsal Coalition. Journal of Bone and Joint Surgery - Series A, 1969, 51, 979-983.	3.0	26
143	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