Daniel E Lieberman

List of Publications by Year
in descending order

87	8,439	76196 40	56606 83
papers	citations	h-index	g-index

88	88	88	6933
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Response to: â€˜Is non-industrial society undergoing an energy balance transition predisposed to accumulate abdominal adipose tissue and susceptible to knee osteoarthritis?â€™ by Yuet al. Annals of the Rheumatic Diseases, 2022, 81, e64-e64.	0.5	0
2	Experimental evidence that physical activity inhibits osteoarthritis: Implications for inferring activity patterns from osteoarthritis in archeological human skeletons. American Journal of Biological Anthropology, 2022, 177, 223-231.	0.6	6
3	OUP accepted manuscript. American Journal of Clinical Nutrition, 2022, 115, 595-597.	2.2	1
4	Interleukin 6 as an energy allocator in muscle tissue. Nature Metabolism, 2022, 4, 170-179.	5.1	88
5	Cultural variation in running techniques among non-industrial societies. Evolutionary Human Sciences, 2022, 4, .	0.9	7
6	The evolution of human fatigue resistance. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2022, 192, 411-422.	0.7	4
7	Comparing high versus low-altitude populations to test human adaptations for increased ventilation during sustained aerobic activity. Scientific Reports, 2022, 12, .	1.6	2
8	The human foot functions like a spring of adjustable stiffness during running. Journal of Experimental Biology, 2021, 224, .	0.8	4
9	Geometric morphometric investigation of craniofacial morphological change in domesticated silver foxes. Scientific Reports, 2021, 11, 2582.	1.6	12
10	Neuromechanical linkage between the head and forearm during running. American Journal of Physical Anthropology, 2021, 174, 752-762.	2.1	4
11	One-year intensive lifestyle intervention and improvements in health-related quality of life and mental health in persons with type 2 diabetes: a secondary analysis of the U-TURN randomized controlled trial. BMJ Open Diabetes Research and Care, 2021, 9, e001840.	1.2	19
12	A Pandemic within the Pandemic? Physical Activity Levels Substantially Decreased in Countries Affected by COVID-19. International Journal of Environmental Research and Public Health, 2021, 18, 2235.	1.2	152
13	A systematic review of adherence to physical activity interventions in individuals with type 2 diabetes. Diabetes/Metabolism Research and Reviews, 2021, 37, e3444.	1.7	23
14	Shorter distal forelimbs benefit bipedal walking and running mechanics: Implications for hominin forelimb evolution. American Journal of Physical Anthropology, 2021, 175, 589-598.	2.1	1
15	Trunk muscle endurance, strength and flexibility in rural subsistence farmers and urban industrialized adults in western Kenya. American Journal of Human Biology, 2021, , .	0.8	2
16	Stepping Back to Minimal Footwear: Applications Across the Lifespan. Exercise and Sport Sciences Reviews, 2021, 49, 228-243.	1.6	17
17	The effect of trunk flexion angle on lower limb mechanics during running. Human Movement Science, 2021, 78, 102817.	0.6	11
18	The carbohydrate-insulin model: a physiological perspective on the obesity pandemic. American Journal of Clinical Nutrition, 2021, 114, 1873-1885.	2.2	141

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19	The extensibility of the plantar fascia influences the windlass mechanism during human running. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20202095.	1.2	37
20	Historical body temperature records as a population-level â€˜thermometerâ€™ of physical activity in the United States. Current Biology, 2021, 31, R1375-R1376.	1.8	9
21	The active grandparent hypothesis: Physical activity and the evolution of extended human healthspans and lifespans. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	31
22	An expanded repertoire of intensity-dependent exercise-responsive plasma proteins tied to loci of human disease risk. Scientific Reports, 2020, 10, 10831.	1.6	19
23	Assessing patterns of variation in BV / TV in the calcaneus and C2 vertebra of Gorilla gorilla , Pan troglodytes , and populations of Homo sapiens from the Pleistocene and Holocene that differ in physical activity levels. American Journal of Physical Anthropology, 2020, 173, 337-349.	2.1	1
24	Effect of the upward curvature of toe springs on walking biomechanics in humans. Scientific Reports, 2020, 10, 14643.	1.6	12
25	Evolutionary anatomy of the plantar aponeurosis in primates, including humans. Journal of Anatomy, 2020, 237, 85-104.	0.9	21
26	Reply to Jensen and Wang: Chimpanzees under pressureâ€”Selection of a left ventricular structural and functional phenotype. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 5574-5575.	3.3	0
27	Running in Tarahumara (RarÃ¡muri) Culture. Current Anthropology, 2020, 61, 356-379.	0.8	12
28	WEIRD bodies: mismatch, medicine and missing diversity. Evolution and Human Behavior, 2020, 41, 330-340.	1.4	54
29	Dose-Response Effects of Exercise on Glucose-Lowering Medications for Type 2 Diabetes: A Secondary Analysis of a Randomized Clinical Trial. Mayo Clinic Proceedings, 2020, 95, 488-503.	1.4	14
30	Diversity and evolution of human eccrine sweat gland density. Journal of Thermal Biology, 2019, 84, 331-338.	1.1	19
31	Knee osteoarthritis risk in non-industrial societies undergoing an energy balance transition: evidence from the indigenous Tarahumara of Mexico. Annals of the Rheumatic Diseases, 2019, 78, 1693-1698.	0.5	17
32	Thoracic adaptations for ventilation during locomotion in humans and other mammals. Journal of Experimental Biology, 2019, 222, .	0.8	11
33	Straight arm walking, bent arm running: gait-specific elbow angles. Journal of Experimental Biology, 2019, 222, .	0.8	6
34	Selection of endurance capabilities and the trade-off between pressure and volume in the evolution of the human heart. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19905-19910.	3.3	37
35	Foot callus thickness does not trade off protection for tactile sensitivity during walking. Nature, 2019, 571, 261-264.	13.7	52
36	Foot strength and stiffness are related to footwear use in a comparison of minimally- vs. conventionally-shod populations. Scientific Reports, 2018, 8, 3679.	1.6	55

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37	Physical and geometric constraints shape the labyrinth-like nasal cavity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2936-2941.	3.3	15
38	Shock attenuation in the human lumbar spine during walking and running. Journal of Experimental Biology, 2018, 221, .	0.8	18
39	Heel impact forces during barefoot versus minimally shod walking among Tarahumara subsistence farmers and urban Americans. Royal Society Open Science, 2018, 5, 180044.	1.1	18
40	Sports and the human brain: an evolutionary perspective. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 158, 3-10.	1.0	8
41	Comparative evidence for the independent evolution of hair and sweat gland traits in primates. Journal of Human Evolution, 2018, 125, 99-105.	1.3	36
42	A cross-species approach to disorders affecting brain and behaviour. Nature Reviews Neurology, 2018, 14, 677-686.	4.9	18
43	Modern-day environmental factors in the pathogenesis of osteoarthritis. Nature Reviews Rheumatology, 2018, 14, 674-681.	3.5	159
44	Rethinking the evolution of the human foot: insights from experimental research. Journal of Experimental Biology, 2018, 221, .	0.8	89
45	Specific circulating microRNAs display dose-dependent responses to variable intensity and duration of endurance exercise. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H273-H283.	1.5	52
46	Testing biomechanical models of human lumbar lordosis variability. American Journal of Physical Anthropology, 2017, 163, 110-121.	2.1	11
47	Using principal trabecular orientation to differentiate joint loading orientation in the 3rd metacarpal heads of humans and chimpanzees. Journal of Human Evolution, 2017, 113, 173-182.	1.3	25
48	Knee osteoarthritis has doubled in prevalence since the mid-20th century. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9332-9336.	3.3	599
49	2. Reconstructing the Last Common Ancestor of Chimpanzees and Humans. , 2017, , 22-141.		24
50	Physical fitness differences between rural and urban children from western <scp>K</scp>enya. American Journal of Human Biology, 2016, 28, 514-523.	0.8	7
51	Impact of meat and Lower Palaeolithic food processing techniques on chewing in humans. Nature, 2016, 531, 500-503.	13.7	148
52	Human Locomotion and Heat Loss: An Evolutionary Perspective. , 2015, 5, 99-117.		75
53	Is Exercise Really Medicine? An Evolutionary Perspective. Current Sports Medicine Reports, 2015, 14, 313-319.	0.5	113
54	Osteoporosis. Evolution, Medicine and Public Health, 2015, 2015, 343-343.	1.1	10

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55	A genetic basis of variation in eccrine sweat gland and hair follicle density. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9932-9937.	3.3	57
56	The capacity of the human iliotibial band to store elastic energy during running. Journal of Biomechanics, 2015, 48, 3341-3348.	0.9	21
57	Lower back pain. Evolution, Medicine and Public Health, 2015, 2015, 2-3.	1.1	20
58	Tradeoffs between impact loading rate, vertical impulse and effective mass for walkers and heel strike runners wearing footwear of varying stiffness. Journal of Biomechanics, 2015, 48, 1318-1324.	0.9	51
59	Effects of stride frequency and foot position at landing on braking force, hip torque, impact peak force and the metabolic cost of running in humans. Journal of Experimental Biology, 2015, 218, 3406-3414.	0.8	106
60	The human iliotibial band is specialized for elastic energy storage compared with the chimp fascia lata. Journal of Experimental Biology, 2015, 218, 2382-93.	0.8	12
61	A Wider Pelvis Does Not Increase Locomotor Cost in Humans, with Implications for the Evolution of Childbirth. PLoS ONE, 2015, 10, e0118903.	1.1	110
62	Variation in Foot Strike Patterns among Habitually Barefoot and Shod Runners in Kenya. PLoS ONE, 2015, 10, e0131354.	1.1	55
63	Effects of pole compliance and step frequency on the biomechanics and economy of pole carrying during human walking. Journal of Applied Physiology, 2014, 117, 507-517.	1.2	29
64	Upper body contributions to power generation during rapid, overhand throwing in humans. Journal of Experimental Biology, 2014, 217, 2139-49.	0.8	51
65	Food material properties and early hominin processing techniques. Journal of Human Evolution, 2014, 77, 155-166.	1.3	45
66	Exercise-Induced Bone Formation Is Poorly Linked to Local Strain Magnitude in the Sheep Tibia. PLoS ONE, 2014, 9, e99108.	1.1	45
67	Effects of Footwear and Strike Type on Running Economy. Medicine and Science in Sports and Exercise, 2012, 44, 1335-1343.	0.2	266
68	What We Can Learn About Running from Barefoot Running. Exercise and Sport Sciences Reviews, 2012, 40, 63-72.	1.6	199
69	THE COEVOLUTION OF HUMAN HANDS AND FEET. Evolution; International Journal of Organic Evolution, 2010, 64, 1558-1568.	1.1	103
70	Foot strike patterns and collision forces in habitually barefoot versus shod runners. Nature, 2010, 463, 531-535.	13.7	1,113
71	Walking, running and the evolution of short toes in humans. Journal of Experimental Biology, 2009, 212, 713-721.	0.8	130
72	Speculations about the selective basis for modern human craniofacial form. Evolutionary Anthropology, 2008, 17, 55-68.	1.7	81

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73	Spatial packing, cranial base angulation, and craniofacial shape variation in the mammalian skull: testing a new model using mice. Journal of Anatomy, 2008, 212, 720-735.	0.9	131
74	The Evolution of Marathon Running. Sports Medicine, 2007, 37, 288-290.	3.1	90
75	The Evolutionary Developmental Biology of Tinkering: An Introduction to the Challenge. Novartis Foundation Symposium, 2007, 284, 1-19.	1.2	6
76	The human gluteus maximus and its role in running. Journal of Experimental Biology, 2006, 209, 2143-2155.	0.8	153
77	Virtual cranial reconstruction of Sahelanthropus tchadensis. Nature, 2005, 434, 755-759.	13.7	277
78	Endurance running and the evolution of Homo. Nature, 2004, 432, 345-352.	13.7	1,413
79	Effects of food processing on masticatory strain and craniofacial growth in a retrognathic face. Journal of Human Evolution, 2004, 46, 655-677.	1.3	206
80	Predicting long bone loading from cross-sectional geometry. American Journal of Physical Anthropology, 2004, 123, 156-171.	2.1	264
81	Testing hypotheses about tinkering in the fossil record: the case of the human skull. The Journal of Experimental Zoology, 2004, 302B, 284-301.	1.4	64
82	The evolution and development of cranial form in Homo sapiens. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1134-1139.	3.3	397
83	Posterior maxillary (PM) plane and anterior cranial architecture in primates. The Anatomical Record, 2001, 264, 247-260.	2.3	78
84	Craniodental variation inParanthropus boisei: A developmental and functional perspective. American Journal of Physical Anthropology, 2001, 116, 13-25.	2.1	107
85	Articular area responses to mechanical loading: effects of exercise, age, and skeletal location. American Journal of Physical Anthropology, 2001, 116, 266-277.	2.1	213
86	Behavioral Differences between Archaic and Modern Humans in the Levantine Mousterian. American Anthropologist, 1994, 96, 300-332.	0.7	137
87	The biology of cementum increments (with an archaeological application). Mammal Review, 1992, 22, 57-77.	2.2	82