

Daniel E Lieberman

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83

papers

6,119

citations

35

h-index

78

g-index

88

ext. papers

7,392

ext. citations

7.3

avg, IF

6.27

L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 83 | Reply to A Drewnowski et al, O Devinsky, D A Booth and E L Gibson, and D J Millward.. <i>American Journal of Clinical Nutrition</i> , 2022 , 115, 595-597 | 7 | 0 |
| 82 | The active grandparent hypothesis: Physical activity and the evolution of extended human healthspans and lifespans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118, | 11.5 | 3 |
| 81 | Historical body temperature records as a population-level thermometer of physical activity in the United States. <i>Current Biology</i> , 2021 , 31, R1375-R1376 | 6.3 | 1 |
| 80 | The human foot functions like a spring of adjustable stiffness during running. <i>Journal of Experimental Biology</i> , 2021 , 224, | 3 | 2 |
| 79 | Shorter distal forelimbs benefit bipedal walking and running mechanics: Implications for hominin forelimb evolution. <i>American Journal of Physical Anthropology</i> , 2021 , 175, 589-598 | 2.5 | 0 |
| 78 | Stepping Back to Minimal Footwear: Applications Across the Lifespan. <i>Exercise and Sport Sciences Reviews</i> , 2021 , 49, 228-243 | 6.7 | 6 |
| 77 | Geometric morphometric investigation of craniofacial morphological change in domesticated silver foxes. <i>Scientific Reports</i> , 2021 , 11, 2582 | 4.9 | 5 |
| 76 | Neuromechanical linkage between the head and forearm during running. <i>American Journal of Physical Anthropology</i> , 2021 , 174, 752-762 | 2.5 | 2 |
| 75 | 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. <i>BMJ Open Diabetes Research and Care</i> , 2021 , 9, | 4.5 | 5 |
| 74 | A Pandemic within the Pandemic? Physical Activity Levels Substantially Decreased in Countries Affected by COVID-19. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18, | 4.6 | 38 |
| 73 | A systematic review of adherence to physical activity interventions in individuals with type 2 diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 2021 , 37, e3444 | 7.5 | 4 |
| 72 | The effect of trunk flexion angle on lower limb mechanics during running. <i>Human Movement Science</i> , 2021 , 78, 102817 | 2.4 | 1 |
| 71 | The carbohydrate-insulin model: a physiological perspective on the obesity pandemic. <i>American Journal of Clinical Nutrition</i> , 2021 , | 7 | 37 |
| 70 | The extensibility of the plantar fascia influences the windlass mechanism during human running. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20202095 | 4.4 | 15 |
| 69 | Response to: Is non-industrial society undergoing an energy balance transition predisposed to accumulate abdominal adipose tissue and susceptible to knee osteoarthritis? Sby Yu. <i>Annals of the Rheumatic Diseases</i> , 2020 , | 2.4 | |
| 68 | Evolutionary anatomy of the plantar aponeurosis in primates, including humans. <i>Journal of Anatomy</i> , 2020 , 237, 85-104 | 2.9 | 15 |
| 67 | Reply to Jensen and Wang: Chimpanzees under pressure-Selection of a left ventricular structural and functional phenotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 5574-5575 | 11.5 | |

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| 66 | Running in Tarahumara (Rarġhuri) Culture. <i>Current Anthropology</i> , 2020 , 61, 356-379 | 2.1 | 6 |
| 65 | Dose-Response Effects of Exercise on Glucose-Lowering Medications for Type 2 Diabetes: A Secondary Analysis of a Randomized Clinical Trial. <i>Mayo Clinic Proceedings</i> , 2020 , 95, 488-503 | 6.4 | 8 |
| 64 | An expanded repertoire of intensity-dependent exercise-responsive plasma proteins tied to loci of human disease risk. <i>Scientific Reports</i> , 2020 , 10, 10831 | 4.9 | 7 |
| 63 | 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. <i>American Journal of Physical Anthropology</i> , 2020 , 173, 337-349 | 2.5 | 0 |
| 62 | Effect of the upward curvature of toe springs on walking biomechanics in humans. <i>Scientific Reports</i> , 2020 , 10, 14643 | 4.9 | 5 |
| 61 | WEIRD bodies: mismatch, medicine and missing diversity. <i>Evolution and Human Behavior</i> , 2020 , 41, 330-340 | | 21 |
| 60 | Straight arm walking, bent arm running: gait-specific elbow angles. <i>Journal of Experimental Biology</i> , 2019 , 222, | 3 | 4 |
| 59 | Selection of endurance capabilities and the trade-off between pressure and volume in the evolution of the human heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 19905-19910 | 11.5 | 19 |
| 58 | Foot callus thickness does not trade off protection for tactile sensitivity during walking. <i>Nature</i> , 2019 , 571, 261-264 | 50.4 | 30 |
| 57 | Diversity and evolution of human eccrine sweat gland density. <i>Journal of Thermal Biology</i> , 2019 , 84, 331-338 | 3.8 | 7 |
| 56 | Knee osteoarthritis risk in non-industrial societies undergoing an energy balance transition: evidence from the indigenous Tarahumara of Mexico. <i>Annals of the Rheumatic Diseases</i> , 2019 , 78, 1693-1698 | 2.4 | 8 |
| 55 | Thoracic adaptations for ventilation during locomotion in humans and other mammals. <i>Journal of Experimental Biology</i> , 2019 , 222, | 3 | 5 |
| 54 | Foot strength and stiffness are related to footwear use in a comparison of minimally- vs. conventionally-shod populations. <i>Scientific Reports</i> , 2018 , 8, 3679 | 4.9 | 35 |
| 53 | Physical and geometric constraints shape the labyrinth-like nasal cavity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 2936-2941 | 11.5 | 10 |
| 52 | Shock attenuation in the human lumbar spine during walking and running. <i>Journal of Experimental Biology</i> , 2018 , 221, | 3 | 12 |
| 51 | Heel impact forces during barefoot versus minimally shod walking among Tarahumara subsistence farmers and urban Americans. <i>Royal Society Open Science</i> , 2018 , 5, 180044 | 3.3 | 14 |
| 50 | Specific circulating microRNAs display dose-dependent responses to variable intensity and duration of endurance exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018 , 315, H273-H283 | 5.2 | 36 |
| 49 | Sports and the human brain: an evolutionary perspective. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2018 , 158, 3-10 | 3 | 4 |

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| 48 | Comparative evidence for the independent evolution of hair and sweat gland traits in primates. <i>Journal of Human Evolution</i> , 2018 , 125, 99-105 | 3.1 | 20 |
| 47 | A cross-species approach to disorders affecting brain and behaviour. <i>Nature Reviews Neurology</i> , 2018 , 14, 677-686 | 15 | 14 |
| 46 | Modern-day environmental factors in the pathogenesis of osteoarthritis. <i>Nature Reviews Rheumatology</i> , 2018 , 14, 674-681 | 8.1 | 86 |
| 45 | Rethinking the evolution of the human foot: insights from experimental research. <i>Journal of Experimental Biology</i> , 2018 , 221, | 3 | 53 |
| 44 | Testing biomechanical models of human lumbar lordosis variability. <i>American Journal of Physical Anthropology</i> , 2017 , 163, 110-121 | 2.5 | 6 |
| 43 | Using principal trabecular orientation to differentiate joint loading orientation in the 3rd metacarpal heads of humans and chimpanzees. <i>Journal of Human Evolution</i> , 2017 , 113, 173-182 | 3.1 | 18 |
| 42 | Knee osteoarthritis has doubled in prevalence since the mid-20th century. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 9332-9336 | 11.5 | 372 |
| 41 | 2. Reconstructing the Last Common Ancestor of Chimpanzees and Humans 2017 , 22-141 | | 15 |
| 40 | Physical fitness differences between rural and urban children from western Kenya. <i>American Journal of Human Biology</i> , 2016 , 28, 514-23 | 2.7 | 3 |
| 39 | Impact of meat and Lower Palaeolithic food processing techniques on chewing in humans. <i>Nature</i> , 2016 , 531, 500-3 | 50.4 | 111 |
| 38 | A genetic basis of variation in eccrine sweat gland and hair follicle density. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 9932-7 | 11.5 | 28 |
| 37 | The capacity of the human iliotibial band to store elastic energy during running. <i>Journal of Biomechanics</i> , 2015 , 48, 3341-8 | 2.9 | 14 |
| 36 | Lower back pain. <i>Evolution, Medicine and Public Health</i> , 2015 , 2015, 2-3 | 3 | 11 |
| 35 | Tradeoffs between impact loading rate, vertical impulse and effective mass for walkers and heel strike runners wearing footwear of varying stiffness. <i>Journal of Biomechanics</i> , 2015 , 48, 1318-24 | 2.9 | 40 |
| 34 | 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. <i>Journal of Experimental Biology</i> , 2015 , 218, 3406-14 | 3 | 68 |
| 33 | The human iliotibial band is specialized for elastic energy storage compared with the chimp fascia lata. <i>Journal of Experimental Biology</i> , 2015 , 218, 2382-93 | 3 | 6 |
| 32 | Is Exercise Really Medicine? An Evolutionary Perspective. <i>Current Sports Medicine Reports</i> , 2015 , 14, 313-9 | | 76 |
| 31 | Osteoporosis. <i>Evolution, Medicine and Public Health</i> , 2015 , 2015, 343 | 3 | 9 |

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|----|--|------|-----|
| 30 | Human locomotion and heat loss: an evolutionary perspective. <i>Comprehensive Physiology</i> , 2015 , 5, 99-117. | 7.7 | 53 |
| 29 | A wider pelvis does not increase locomotor cost in humans, with implications for the evolution of childbirth. <i>PLoS ONE</i> , 2015 , 10, e0118903 | 3.7 | 82 |
| 28 | Variation in Foot Strike Patterns among Habitually Barefoot and Shod Runners in Kenya. <i>PLoS ONE</i> , 2015 , 10, e0131354 | 3.7 | 40 |
| 27 | Food material properties and early hominin processing techniques. <i>Journal of Human Evolution</i> , 2014 , 77, 155-66 | 3.1 | 33 |
| 26 | Effects of pole compliance and step frequency on the biomechanics and economy of pole carrying during human walking. <i>Journal of Applied Physiology</i> , 2014 , 117, 507-17 | 3.7 | 22 |
| 25 | Upper body contributions to power generation during rapid, overhand throwing in humans. <i>Journal of Experimental Biology</i> , 2014 , 217, 2139-49 | 3 | 39 |
| 24 | Exercise-induced bone formation is poorly linked to local strain magnitude in the sheep tibia. <i>PLoS ONE</i> , 2014 , 9, e99108 | 3.7 | 38 |
| 23 | Effects of footwear and strike type on running economy. <i>Medicine and Science in Sports and Exercise</i> , 2012 , 44, 1335-43 | 1.2 | 217 |
| 22 | What we can learn about running from barefoot running: an evolutionary medical perspective. <i>Exercise and Sport Sciences Reviews</i> , 2012 , 40, 63-72 | 6.7 | 161 |
| 21 | THE COEVOLUTION OF HUMAN HANDS AND FEET. <i>Evolution; International Journal of Organic Evolution</i> , 2010 , 64, 1558-1568 | 3.8 | 84 |
| 20 | Foot strike patterns and collision forces in habitually barefoot versus shod runners. <i>Nature</i> , 2010 , 463, 531-5 | 50.4 | 918 |
| 19 | Walking, running and the evolution of short toes in humans. <i>Journal of Experimental Biology</i> , 2009 , 212, 713-21 | 3 | 101 |
| 18 | Spatial packing, cranial base angulation, and craniofacial shape variation in the mammalian skull: testing a new model using mice. <i>Journal of Anatomy</i> , 2008 , 212, 720-35 | 2.9 | 106 |
| 17 | Speculations about the selective basis for modern human craniofacial form. <i>Evolutionary Anthropology</i> , 2008 , 17, 55-68 | 4.7 | 72 |
| 16 | The evolution of marathon running : capabilities in humans. <i>Sports Medicine</i> , 2007 , 37, 288-90 | 10.6 | 66 |
| 15 | The evolutionary developmental biology of tinkering: an introduction to the challenge. <i>Novartis Foundation Symposium</i> , 2007 , 284, 1-19; discussion 110-5 | | 4 |
| 14 | The human gluteus maximus and its role in running. <i>Journal of Experimental Biology</i> , 2006 , 209, 2143-55 | 3 | 117 |
| 13 | Virtual cranial reconstruction of Sahelanthropus tchadensis. <i>Nature</i> , 2005 , 434, 755-9 | 50.4 | 210 |

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|----|---|------|------|
| 12 | Endurance running and the evolution of Homo. <i>Nature</i> , 2004 , 432, 345-52 | 50.4 | 1101 |
| 11 | Effects of food processing on masticatory strain and craniofacial growth in a retrognathic face. <i>Journal of Human Evolution</i> , 2004 , 46, 655-77 | 3.1 | 188 |
| 10 | Predicting long bone loading from cross-sectional geometry. <i>American Journal of Physical Anthropology</i> , 2004 , 123, 156-71 | 2.5 | 229 |
| 9 | Testing hypotheses about tinkering in the fossil record: the case of the human skull. <i>The Journal of Experimental Zoology</i> , 2004 , 302, 284-301 | | 58 |
| 8 | The evolution and development of cranial form in Homosapiens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 1134-9 | 11.5 | 340 |
| 7 | Posterior maxillary (PM) plane and anterior cranial architecture in primates. <i>The Anatomical Record</i> , 2001 , 264, 247-60 | | 69 |
| 6 | Craniodental variation in Paranthropus boisei: a developmental and functional perspective. <i>American Journal of Physical Anthropology</i> , 2001 , 116, 13-25 | 2.5 | 94 |
| 5 | Articular area responses to mechanical loading: effects of exercise, age, and skeletal location. <i>American Journal of Physical Anthropology</i> , 2001 , 116, 266-77 | 2.5 | 176 |
| 4 | Behavioral Differences between Archaic and Modern Humans in the Levantine Mousterian. <i>American Anthropologist</i> , 1994 , 96, 300-332 | 1.5 | 116 |
| 3 | The biology of cementum increments (with an archaeological application). <i>Mammal Review</i> , 1992 , 22, 57-77 | 5 | 63 |
| 2 | Experimental evidence that physical activity inhibits osteoarthritis: Implications for inferring activity patterns from osteoarthritis in archeological human skeletons. <i>American Journal of Biological Anthropology</i> , | | 2 |
| 1 | Cultural variation in running techniques among non-industrial societies. <i>Evolutionary Human Sciences</i> , 1-31 | 2.2 | 1 |