

Ian J Wallace

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,252
citations

567281

15
h-index

501196

28
g-index

31
all docs

31
docs citations

31
times ranked

1715
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	7.1	599
2	Modern-day environmental factors in the pathogenesis of osteoarthritis. Nature Reviews Rheumatology, 2018, 14, 674-681.	8.0	159
3	Foot strength and stiffness are related to footwear use in a comparison of minimally- vs. conventionally-shod populations. Scientific Reports, 2018, 8, 3679.	3.3	55
4	Physical activity alters limb bone structure but not enthesal morphology. Journal of Human Evolution, 2017, 107, 14-18.	2.6	47
5	Exercise-Induced Bone Formation Is Poorly Linked to Local Strain Magnitude in the Sheep Tibia. PLoS ONE, 2014, 9, e99108.	2.5	45
6	The energetics of uniquely human subsistence strategies. Science, 2021, 374, eabf0130.	12.6	39
7	Focal enhancement of the skeleton to exercise correlates to mesenchymal stem cell responsivity rather than peak external forces. Journal of Experimental Biology, 2015, 218, 3002-9.	1.7	34
8	Effects of load-bearing exercise on skeletal structure and mechanics differ between outbred populations of mice. Bone, 2015, 72, 1-8.	2.9	30
9	Distinct functional roles of primate grasping hands and feet during arboreal quadrupedal locomotion. Journal of Human Evolution, 2015, 88, 79-84.	2.6	27
10	Experimental evidence that physical activity affects the multivariate associations among muscle attachments (entheses). Journal of Experimental Biology, 2019, 222, .	1.7	23
11	Heel impact forces during barefoot versus minimally shod walking among Tarahumara subsistence farmers and urban Americans. Royal Society Open Science, 2018, 5, 180044.	2.4	18
12	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.	0.9	17
13	Cross-sectional structural variation relative to midshaft along hominine diaphyses. II. The hind limb. American Journal of Physical Anthropology, 2015, 158, 398-407.	2.1	16
14	Comment on "Human-like hand use in <i>Australopithecus africanus</i> " Science, 2015, 348, 1101-1101.	12.6	16
15	Cross-sectional structural variation relative to midshaft along hominine diaphyses. I. The forelimb. American Journal of Physical Anthropology, 2015, 158, 386-397.	2.1	15
16	Ontogenetic and Genetic Influences on Bone's Responsiveness to Mechanical Signals. , 2017, , 233-253.		14
17	Phalangeal curvature in a chimpanzee raised like a human: Implications for inferring arboreality in fossil hominins. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11223-11225.	7.1	14
18	Inter-ray variation in metatarsal strength properties in humans and African apes: Implications for inferring bipedal biomechanics in the Olduvai Hominid 8 foot. Journal of Human Evolution, 2018, 121, 147-165.	2.6	13

#	ARTICLE	IF	CITATIONS
19	Running in Tarahumara (Rarámuri) Culture. <i>Current Anthropology</i> , 2020, 61, 356-379.	1.6	12
20	Osteoporosis. <i>Evolution, Medicine and Public Health</i> , 2015, 2015, 343-343.	2.5	10
21	Bone shaft bending strength index is unaffected by exercise and unloading in mice. <i>Journal of Anatomy</i> , 2015, 226, 224-228.	1.5	10
22	Sports and the human brain: an evolutionary perspective. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2018, 158, 3-10.	1.8	8
23	Cultural variation in running techniques among non-industrial societies. <i>Evolutionary Human Sciences</i> , 2022, 4, .	1.7	7
24	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> , 2022, 177, 223-231.	1.1	6
25	Locomotor constraints favour the evolution of the human pygmy phenotype in tropical rainforests. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181492.	2.6	5
26	Forest terrains influence walking kinematics among indigenous Tsimane of the Bolivian Amazon. <i>Evolutionary Human Sciences</i> , 2022, 4, .	1.7	5
27	Secular trends in cranial size and shape among black South Africans over the late 19th and 20th centuries. <i>Annals of Human Biology</i> , 2020, 47, 446-456.	1.0	3
28	Secular decline in limb bone strength among South African Africans during the 19th and 20th centuries. <i>American Journal of Physical Anthropology</i> , 2020, 172, 492-499.	2.1	3
29	Connecting evolution, medicine, and public health. <i>Evolutionary Anthropology</i> , 2015, 24, 127-129.	3.4	2
30	Response to: "Is non-industrial society undergoing an energy balance transition predisposed to accumulate abdominal adipose tissue and susceptible to knee osteoarthritis?" by Yu et al. <i>Annals of the Rheumatic Diseases</i> , 2022, 81, e64-e64.	0.9	0
31	What Fossils Can and Can't Tell Us about Hominin Locomotor Evolution: Insights from Experimental Skeletal Biomechanics. <i>FASEB Journal</i> , 2018, 32, 92.1.	0.5	0