Ian J Wallace

List of Publications by Year
in descending order

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	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.	0.9	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.	1.1	6
3	Cultural variation in running techniques among non-industrial societies. Evolutionary Human Sciences, 2022, 4, .	1.7	7
4	Forest terrains influence walking kinematics among indigenous Tsimane of the Bolivian Amazon. Evolutionary Human Sciences, 2022, 4, .	1.7	5
5	The energetics of uniquely human subsistence strategies. Science, 2021, 374, eabf0130.	12.6	39
6	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
7	Secular trends in cranial size and shape among black South Africans over the late 19th and 20th centuries. Annals of Human Biology, 2020, 47, 446-456.	1.0	3
8	Running in Tarahumara (RarÃ¡muri) Culture. Current Anthropology, 2020, 61, 356-379.	1.6	12
9	Secular decline in limb bone strength among South African Africans during the 19th and 20th centuries. American Journal of Physical Anthropology, 2020, 172, 492-499.	2.1	3
10	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
11	Experimental evidence that physical activity affects the multivariate associations among muscle attachments (entheses). Journal of Experimental Biology, 2019, 222, .	1.7	23
12	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
13	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
14	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.	1.8	8
15	Locomotor constraints favour the evolution of the human pygmy phenotype in tropical rainforests. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181492.	2.6	5
16	Modern-day environmental factors in the pathogenesis of osteoarthritis. Nature Reviews Rheumatology, 2018, 14, 674-681.	8.0	159
17	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
18	What Fossils Can and Can't Tell Us about Hominin Locomotor Evolution: Insights from Experimental Skeletal Biomechanics. FASEB Journal, 2018, 32, 92.1.	0.5	0

#	Article	IF	Citations
19	Ontogenetic and Genetic Influences on Boneâ€™s Responsiveness to Mechanical Signals. , 2017, , 233-253.		14
20	Physical activity alters limb bone structure but not entheseal morphology. Journal of Human Evolution, 2017, 107, 14-18.	2.6	47
21	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
22	Crossâ€sectional structural variation relative to midshaft along hominine diaphyses. I. The forelimb. American Journal of Physical Anthropology, 2015, 158, 386-397.	2.1	15
23	Crossâ€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
24	Connecting evolution, medicine, and public health. Evolutionary Anthropology, 2015, 24, 127-129.	3.4	2
25	Comment on â€œHuman-like hand use in Australopithecus africanus â€. Science, 2015, 348, 1101-1101.	12.6	16
26	Osteoporosis. Evolution, Medicine and Public Health, 2015, 2015, 343-343.	2.5	10
27	Bone shaft bending strength index is unaffected byÂexercise and unloading in mice. Journal of Anatomy, 2015, 226, 224-228.	1.5	10
28	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
29	Distinct functional roles of primate grasping hands and feet during arboreal quadrupedal locomotion. Journal of Human Evolution, 2015, 88, 79-84.	2.6	27
30	Effects of load-bearing exercise on skeletal structure and mechanics differ between outbred populations of mice. Bone, 2015, 72, 1-8.	2.9	30
31	Exercise-Induced Bone Formation Is Poorly Linked to Local Strain Magnitude in the Sheep Tibia. PLoS ONE, 2014, 9, e99108.	2.5	45