

Jay T Stock

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.

143
papers

4,130
citations

36
h-index

59
g-index

155
ext. papers

4,940
ext. citations

3.8
avg, IF

5.93
L-index

#	Paper	IF	Citations
143	Alternative Metabolic Strategies are Employed by Endurance Runners of Different Body Sizes; Implications for Human Evolution. <i>Adaptive Human Behavior and Physiology</i> , 2022 , 8, 79	1.4	0
142	Evaluation of dual-energy X-ray absorptiometry compared to magnetic resonance imaging for collecting measurements of the human bony pelvis.. <i>American Journal of Human Biology</i> , 2022 , e23753	2.7	
141	Ancient Maltese genomes and the genetic geography of Neolithic Europe.. <i>Current Biology</i> , 2022 ,	6.3	1
140	Unique foot posture in Neanderthals reflects their body mass and high mechanical stress. <i>Journal of Human Evolution</i> , 2021 , 161, 103093	3.1	1
139	Early life malnutrition and fluctuating asymmetry in the rat bony labyrinth. <i>Anatomical Record</i> , 2021 , 304, 2645-2660	2.1	3
138	Fluctuating asymmetry, a marker of poor growth quality, is associated with adult male metabolic rate. <i>American Journal of Physical Anthropology</i> , 2021 , 175, 646-655	2.5	0
137	The evolution and changing ecology of the African hominid oral microbiome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	20
136	Different environmental variables predict body and brain size evolution in Homo. <i>Nature Communications</i> , 2021 , 12, 4116	17.4	2
135	Obstetric dimensions of the female pelvis are less integrated than locomotor dimensions and show protective scaling patterns: Implications for the obstetrical dilemma. <i>American Journal of Human Biology</i> , 2021 , 33, e23451	2.7	3
134	Combinations of trabecular and cortical bone properties distinguish various loading modalities between athletes and controls. <i>American Journal of Physical Anthropology</i> , 2021 , 174, 434-450	2.5	2
133	Automated resolution independent method for comparing in vivo and dry trabecular bone. <i>American Journal of Physical Anthropology</i> , 2021 , 174, 822-831	2.5	
132	Life, death, and the destruction of architecture: Hunter-gatherer mortuary behaviors in prehistoric Jordan. <i>Journal of Anthropological Archaeology</i> , 2021 , 61, 101262	1.9	2
131	Using point clouds to investigate the relationship between trabecular bone phenotype and behavior: An example utilizing the human calcaneus. <i>American Journal of Human Biology</i> , 2021 , 33, e23468	2.7	3
130	Energetics as a driver of human morphological thermal adaptation; evidence from female ultra-endurance athletes. <i>Evolutionary Human Sciences</i> , 2021 , 3,	2.2	3
129	Evolution of Lactase Persistence: Turbo-Charging Adaptation in Growth Under the Selective Pressure of Maternal Mortality?. <i>Frontiers in Physiology</i> , 2021 , 12, 696516	4.6	0
128	Population history and ecology, in addition to climate, influence human stature and body proportions. <i>Scientific Reports</i> , 2021 , 11, 274	4.9	5
127	Can bony labyrinth dimensions predict biological sex in archaeological samples?. <i>Journal of Archaeological Science: Reports</i> , 2020 , 31, 102354	0.7	3

126	Climate shaped how Neolithic farmers and European hunter-gatherers interacted after a major slowdown from 6,100 BCE to 4,500 BCE. <i>Nature Human Behaviour</i> , 2020 , 4, 1004-1010	12.8	8
125	Human athletic paleobiology; using sport as a model to investigate human evolutionary adaptation. <i>American Journal of Physical Anthropology</i> , 2020 , 171 Suppl 70, 42-59	2.5	11
124	Life History Transitions at the Origins of Agriculture: A Model for Understanding How Niche Construction Impacts Human Growth, Demography and Health. <i>Frontiers in Endocrinology</i> , 2020 , 11, 325	5.7	18
123	Baby steps towards linking calcaneal trabecular bone ontogeny and the development of bipedal human gait. <i>Journal of Anatomy</i> , 2020 , 236, 474-492	2.9	8
122	Muscle force interacts with stature to influence functionally related polar second moments of area in the lower limb among adult women. <i>American Journal of Physical Anthropology</i> , 2020 , 173, 258-275	2.5	3
121	Intrapopulation variation in lower limb trabecular architecture. <i>American Journal of Physical Anthropology</i> , 2020 , 173, 112-129	2.5	5
120	Trabecular bone structure scales allometrically in the foot of four human groups. <i>Journal of Human Evolution</i> , 2019 , 135, 102654	3.1	5
119	Intensive terrestrial or marine locomotor strategies are associated with inter- and intra-limb bone functional adaptation in living female athletes. <i>American Journal of Physical Anthropology</i> , 2019 , 168, 566-581	2.5	11
118	The Transition from Hunting-Gathering to Food Production in the Gamo Highlands of Southern Ethiopia. <i>African Archaeological Review</i> , 2019 , 36, 5-65	0.9	14
117	Estimating body mass and composition from proximal femur dimensions using dual energy x-ray absorptiometry. <i>Archaeological and Anthropological Sciences</i> , 2019 , 11, 2167-2179	1.8	8
116	Ancient origins of low lean mass among South Asians and implications for modern type 2 diabetes susceptibility. <i>Scientific Reports</i> , 2019 , 9, 10515	4.9	11
115	Evidence of different climatic adaptation strategies in humans and non-human primates. <i>Scientific Reports</i> , 2019 , 9, 11025	4.9	4
114	Environmental conditions do not predict diversification rates in the Bantu languages. <i>Heliyon</i> , 2019 , 5, e02630	3.6	1
113	Trabecular bone structural variation in the human postcranial skeleton. <i>FASEB Journal</i> , 2019 , 33, 19.2	0.9	
112	Ultra-endurance athletic performance suggests that energetics drive human morphological thermal adaptation. <i>Evolutionary Human Sciences</i> , 2019 , 1,	2.2	6
111	Trabecular bone functional adaptation and sexual dimorphism in the human foot. <i>American Journal of Physical Anthropology</i> , 2019 , 168, 154-169	2.5	12
110	Complex variation of trabecular bone structure in the proximal humerus and femur of five modern human populations. <i>American Journal of Physical Anthropology</i> , 2019 , 168, 104-118	2.5	16
109	The thermoregulatory function of the human hand: How do palm and digit proportions affect heat loss?. <i>American Journal of Physical Anthropology</i> , 2018 , 166, 803-811	2.5	2

108	Homo sapiens in Arabia by 85,000 years ago. <i>Nature Ecology and Evolution</i> , 2018 , 2, 800-809	12.3	98
107	Relationship between body mass, lean mass, fat mass, and limb bone cross-sectional geometry: Implications for estimating body mass and physique from the skeleton. <i>American Journal of Physical Anthropology</i> , 2018 , 166, 56-69	2.5	22
106	Body size and body composition effects on heat loss from the hands during severe cold exposure. <i>American Journal of Physical Anthropology</i> , 2018 , 166, 313-322	2.5	11
105	Stature estimation equations for South Asian skeletons based on DXA scans of contemporary adults. <i>American Journal of Physical Anthropology</i> , 2018 , 167, 20-31	2.5	5
104	Human-like hip joint loading in Australopithecus africanus and Paranthropus robustus. <i>Journal of Human Evolution</i> , 2018 , 121, 12-24	3.1	25
103	Short-term resource allocation during extensive athletic competition. <i>American Journal of Human Biology</i> , 2018 , 30, e23052	2.7	16
102	Did Our Species Evolve in Subdivided Populations across Africa, and Why Does It Matter?. <i>Trends in Ecology and Evolution</i> , 2018 , 33, 582-594	10.9	200
101	Assessing the accuracy of body mass estimation equations from pelvic and femoral variables among modern British women of known mass. <i>Journal of Human Evolution</i> , 2018 , 115, 130-139	3.1	5
100	Tandem Androgenic and Psychological Shifts in Male Reproductive Effort Following a Manipulated "Win" or "Loss" in a Sporting Competition. <i>Human Nature</i> , 2018 , 29, 283-310	1.8	12
99	Ecological variation in Later Stone Age southern African biomechanical properties. <i>Journal of Archaeological Science: Reports</i> , 2018 , 17, 125-136	0.7	7
98	Wolff's law (bone functional adaptation) 2018 , 1-2		2
97	Neolithic 2018 , 1-4		
96	Thrifty phenotype versus cold adaptation: trade-offs in upper limb proportions of Himalayan populations of Nepal. <i>Royal Society Open Science</i> , 2018 , 5, 172174	3.3	6
95	Maternal investment, maturational rate of the offspring and mechanical competence of the adult female skeleton. <i>Evolution, Medicine and Public Health</i> , 2018 , 2018, 167-179	3	3
94	Ancient human parallel lineages within North America contributed to a coastal expansion. <i>Science</i> , 2018 , 360, 1024-1027	33.3	75
93	Humans preserve non-human primate pattern of climatic adaptation. <i>Quaternary Science Reviews</i> , 2018 , 192, 149-166	3.9	12
92	The Neandertal vertebral column 2: The lumbar spine. <i>Journal of Human Evolution</i> , 2017 , 106, 84-101	3.1	24
91	A trade-off between cognitive and physical performance, with relative preservation of brain function. <i>Scientific Reports</i> , 2017 , 7, 13709	4.9	11

90	Prehistoric women's manual labor exceeded that of athletes through the first 5500 years of farming in Central Europe. <i>Science Advances</i> , 2017 , 3, eaao3893	14.3	47
89	Long-term patterns of body mass and stature evolution within the hominin lineage. <i>Royal Society Open Science</i> , 2017 , 4, 171339	3.3	19
88	Lower limb biomechanics and habitual mobility among mid-Holocene populations of the Cis-Baikal. <i>Quaternary International</i> , 2016 , 405, 200-209	2	16
87	Trabecular bone structural variation throughout the human lower limb. <i>Journal of Human Evolution</i> , 2016 , 97, 97-108	3.1	48
86	Diffuse idiopathic skeletal hyperostosis (DISH) in a middle Holocene forager from Lake Baikal, Russia: Potential causes and the effect on quality of life. <i>Quaternary International</i> , 2016 , 405, 66-79	2	17
85	Early Life Conditions and Physiological Stress following the Transition to Farming in Central/Southeast Europe: Skeletal Growth Impairment and 6000 Years of Gradual Recovery. <i>PLoS ONE</i> , 2016 , 11, e0148468	3.7	16
84	Obstructed Labour: The Classic Obstetric Dilemma and Beyond 2016 , 33-45		
83	Patterns of directional asymmetry in the pelvis and pelvic canal. <i>American Journal of Human Biology</i> , 2016 , 28, 804-810	2.7	8
82	Tropical forests and the genus Homo. <i>Evolutionary Anthropology</i> , 2016 , 25, 306-317	4.7	25
81	Relationships of maternal and paternal anthropometry with neonatal body size, proportions and adiposity in an Australian cohort. <i>American Journal of Physical Anthropology</i> , 2015 , 156, 625-36	2.5	40
80	Spatial and temporal variation of body size among early Homo. <i>Journal of Human Evolution</i> , 2015 , 82, 15-33	3.1	39
79	Ancient Ethiopian genome reveals extensive Eurasian admixture throughout the African continent. <i>Science</i> , 2015 , 350, 820-2	33.3	213
78	Surname-inferred Andean ancestry is associated with child stature and limb lengths at high altitude in Peru, but not at sea level. <i>American Journal of Human Biology</i> , 2015 , 27, 798-806	2.7	11
77	Can persistence hunting signal male quality? A test considering digit ratio in endurance athletes. <i>PLoS ONE</i> , 2015 , 10, e0121560	3.7	17
76	Declining tibial curvature parallels ~6150 years of decreasing mobility in Central European agriculturalists. <i>American Journal of Physical Anthropology</i> , 2015 , 157, 260-75	2.5	21
75	Stunting, adiposity, and the individual-level "dual burden" among urban lowland and rural highland Peruvian children. <i>American Journal of Human Biology</i> , 2014 , 26, 481-90	2.7	27
74	Lower limb skeletal biomechanics track long-term decline in mobility across ~6150 years of agriculture in Central Europe. <i>Journal of Archaeological Science</i> , 2014 , 52, 376-390	2.9	48
73	Divergence in male and female manipulative behaviors with the intensification of metallurgy in Central Europe. <i>PLoS ONE</i> , 2014 , 9, e112116	3.7	23

72	Birth month associations with height, head circumference, and limb lengths among Peruvian children. <i>American Journal of Physical Anthropology</i> , 2014 , 154, 115-24	2.5	11
71	The influence of relative body breadth on the diaphyseal morphology of the human lower limb. <i>American Journal of Human Biology</i> , 2014 , 26, 822-35	2.7	24
70	Relationships between neonatal weight, limb lengths, skinfold thicknesses, body breadths and circumferences in an Australian cohort. <i>PLoS ONE</i> , 2014 , 9, e105108	3.7	38
69	Does the Distribution and Variation in Cortical Bone Along Lower Limb Diaphyses Reflect Selection for Locomotor Economy? 2014 , 49-66		3
68	Human Variation in the Periosteal Geometry of the Lower Limb: Signatures of Behaviour Among Human Holocene Populations 2014 , 67-90		2
67	The Neandertal vertebral column 1: the cervical spine. <i>Journal of Human Evolution</i> , 2013 , 64, 608-30	3.1	36
66	The skeletal phenotype of "negritos" from the Andaman Islands and Philippines relative to global variation among hunter-gatherers. <i>Human Biology</i> , 2013 , 85, 67-94	1.2	20
65	Extreme mobility in the Late Pleistocene? Comparing limb biomechanics among fossil Homo, varsity athletes and Holocene foragers. <i>Journal of Human Evolution</i> , 2013 , 64, 242-9	3.1	75
64	Skull and limb morphology differentially track population history and environmental factors in the transition to agriculture in Europe. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013 , 280, 20131337	4.4	21
63	Periosteal versus true cross-sectional geometry: a comparison along humeral, femoral, and tibial diaphyses. <i>American Journal of Physical Anthropology</i> , 2013 , 150, 442-52	2.5	43
62	Associations between arterial oxygen saturation, body size and limb measurements among high-altitude Andean children. <i>American Journal of Human Biology</i> , 2013 , 25, 629-36	2.7	15
61	Skeletal evidence for variable patterns of handedness in chimpanzees, human hunter-gatherers, and recent British populations. <i>Annals of the New York Academy of Sciences</i> , 2013 , 1288, 86-99	6.5	16
60	The Skeletal Phenotype of Negritos from the Andaman Islands and Philippines Relative to Global Variation among Hunter-Gatherers. <i>Human Biology</i> , 2013 , 85, 67	1.2	1
59	Epipalaeolithic settlement dynamics in southwest Asia: new radiocarbon evidence from the Azraq Basin. <i>Journal of Quaternary Science</i> , 2013 , 28, 467-479	2.3	32
58	Estimation of stature and body mass from the skeleton among coastal and mid-altitude Andean populations. <i>American Journal of Physical Anthropology</i> , 2012 , 147, 264-79	2.5	38
57	The obstetric dilemma: an ancient game of Russian roulette, or a variable dilemma sensitive to ecology?. <i>American Journal of Physical Anthropology</i> , 2012 , 149 Suppl 55, 40-71	2.5	139
56	Subsistence and mobility strategies in the Epipalaeolithic: a stable isotope analysis of human and faunal remains at 'Uyun al-Hammam, northern Jordan. <i>Journal of Archaeological Science</i> , 2012 , 39, 1984-1992	2.0	7
55	A test of a new method and software for the rapid estimation of cross-sectional geometric properties of long bone diaphyses from 3D laser surface scans. <i>Archaeological and Anthropological Sciences</i> , 2012 , 4, 277-290	1.8	32

54	Twenty thousand-year-old huts at a hunter-gatherer settlement in eastern Jordan. <i>PLoS ONE</i> , 2012 , 7, e31447	3.7	67
53	Trade-offs in relative limb length among Peruvian children: extending the thrifty phenotype hypothesis to limb proportions. <i>PLoS ONE</i> , 2012 , 7, e51795	3.7	76
52	The pre-Natufian Epipaleolithic: long-term behavioral trends in the Levant. <i>Evolutionary Anthropology</i> , 2012 , 21, 69-81	4.7	62
51	Neandertal humeri may reflect adaptation to scraping tasks, but not spear thrusting. <i>PLoS ONE</i> , 2012 , 7, e40349	3.7	63
50	The Genetics of the Neolithic Transition: New Light on Differences Between Hunter-Gatherers and Farmers in Southern Sweden 2011 , 385-402		1
49	Re-examining heritability: genetics, life history and plasticity. <i>Trends in Endocrinology and Metabolism</i> , 2011 , 22, 421-8	8.8	52
48	Palaeodemography of Southern Levantine Pre-Pottery Neolithic Populations: Regional and Temporal Perspectives 2011 , 403-428		4
47	2011 ,		44
46	A unique human-fox burial from a pre-Natufian cemetery in the Levant (Jordan). <i>PLoS ONE</i> , 2011 , 6, e15815	3.7	56
45	Evolution of Postcranial Morphology during the Agricultural Transition in Prehistoric Japan 2011 , 235-262		4
44	Using a Bioarchaeological Approach to Explore Subsistence Transitions in the Eastern Cape, South Africa during the Mid- to Late Holocene 2011 , 107-149		4
43	The Palaeopopulationgenetics of Humans, Cattle and Dairying in Neolithic Europe 2011 , 369-384		4
42	The Bioarchaeology of Habitual Activity and Dietary Change in the Siberian Middle Holocene 2011 , 263-291		6
41	“An External Agency of Considerable Importance” The Stresses of Agriculture in the Foraging-to-Farming Transition in Eastern North America 2011 , 293-315		7
40	Long Bone Length, Stature and Time in the European Late Pleistocene and Early Holocene 2011 , 151-175		3
39	Mesolithic-Neolithic Transitions: An Isotopic Tour through Europe 2011 , 15-41		10
38	The Mesolithic-Neolithic Transition in Eastern Europe: Integrating Stable Isotope Studies of Diet with Palaeopathology to Identify Subsistence Strategies and Economy 2011 , 43-62		2
37	Mobility and Lower Limb Robusticity of a Pastoralist Neolithic Population from North-Western Italy 2011 , 317-346		35

36	Health, Diet and Social Implications in Neolithic Greece from the Study of Human Osteological Material 2011 , 87-106		24
35	Climatic Conditions, Hunting Activities and Husbandry Practices in the Course of the Neolithic Transition: The Story Told by Stable Isotope Analyses of Human and Animal Skeletal Remains 2011 , 63-85		5
34	The influence of body proportions on femoral and tibial midshaft shape in hunter-gatherers. <i>American Journal of Physical Anthropology</i> , 2011 , 144, 22-9	2.5	38
33	Digit ratio (2D:4D) and rowing ergometer performance in males and females. <i>American Journal of Physical Anthropology</i> , 2011 , 144, 337-41	2.5	42
32	Activity patterns in the Sahara Desert: an interpretation based on cross-sectional geometric properties. <i>American Journal of Physical Anthropology</i> , 2011 , 146, 423-34	2.5	24
31	Introduction: Changing Paradigms in Our Understanding of the Transition to Agriculture: Human Bioarchaeology, Behaviour and Adaptation 2011 , 1-13		6
30	Skeletal Differentiation at the Southernmost Frontier of Andean Agriculture 2011 , 429-450		3
29	Reaching Great Heights: Changes in Indigenous Stature, Body Size and Body Shape with Agricultural Intensification in North America 2011 , 203-233		20
28	Body Size, Skeletal Biomechanics, Mobility and Habitual Activity from the Late Palaeolithic to the Mid-Dynastic Nile Valley 2011 , 347-367		23
27	Dental Reduction and the Transition to Agriculture in Europe 2011 , 451-474		3
26	Variability in Long Bone Growth Patterns and Limb Proportions within and Amongst Mesolithic and Neolithic Populations from Southeast Europe 2011 , 177-202		5
25	Fluctuating asymmetry as a predictor for rowing ergometer performance. <i>International Journal of Sports Medicine</i> , 2011 , 32, 606-10	3.6	7
24	An Early Epipalaeolithic sitting burial from the Azraq Oasis, Jordan. <i>Antiquity</i> , 2010 , 84, 321-334	1	30
23	Body size estimation of small-bodied humans: Applicability of current methods. <i>American Journal of Physical Anthropology</i> , 2010 , 141, 169-80	2.5	47
22	Levels of Intraspecific Variation Within the Catarrhine Skeleton. <i>International Journal of Primatology</i> , 2010 , 31, 779-795	2	26
21	A metric study of three types of artificial cranial modification from north-central Peru. <i>International Journal of Osteoarchaeology</i> , 2010 , 20, 317-334	1.1	19
20	Technical note: Morphometric maps of long bone shafts and dental roots for imaging topographic thickness variation. <i>American Journal of Physical Anthropology</i> , 2010 , 142, 328-34	2.5	46
19	Stature, Mortality, and Life History among Indigenous Populations of the Andaman Islands, 1871-1986. <i>Current Anthropology</i> , 2009 , 50, 713-725	2.1	20

18	Habitual throwing and swimming correspond with upper limb diaphyseal strength and shape in modern human athletes. <i>American Journal of Physical Anthropology</i> , 2009 , 140, 160-72	2.5	152
17	Intensity, repetitiveness, and directionality of habitual adolescent mobility patterns influence the tibial diaphysis morphology of athletes. <i>American Journal of Physical Anthropology</i> , 2009 , 140, 149-59	2.5	160
16	New Light on Final Pleistocene Settlement Diversity in the Azraq Basin (Jordan): Recent Excavations at Ayn Qasiyya. <i>Paleorient</i> , 2009 , 35, 49-68	0.3	23
15	Are humans still evolving? Technological advances and unique biological characteristics allow us to adapt to environmental stress. Has this stopped genetic evolution?. <i>EMBO Reports</i> , 2008 , 9 Suppl 1, S51-4	4.5	16
14	Adult proportionality in small-bodied foragers: a test of ecogeographic expectations. <i>American Journal of Physical Anthropology</i> , 2008 , 136, 28-38	2.5	32
13	Which measures of diaphyseal robusticity are robust? A comparison of external methods of quantifying the strength of long bone diaphyses to cross-sectional geometric properties. <i>American Journal of Physical Anthropology</i> , 2007 , 134, 412-23	2.5	148
12	Dental indicators of health and stress in early Egyptian and Nubian agriculturalists: a difficult transition and gradual recovery. <i>American Journal of Physical Anthropology</i> , 2007 , 134, 520-8	2.5	48
11	The biology of the colonizing ape. <i>American Journal of Physical Anthropology</i> , 2007 , Suppl 45, 191-222	2.5	107
10	Cranial diversity in South Asia relative to modern human dispersals and global patterns of human variation 2007 , 245-268		9
9	Hunter-gatherer postcranial robusticity relative to patterns of mobility, climatic adaptation, and selection for tissue economy. <i>American Journal of Physical Anthropology</i> , 2006 , 131, 194-204	2.5	155
8	F-81 skeleton from Wadi Mataha, Jordan, and its bearing on human variability in the Epipaleolithic of the Levant. <i>American Journal of Physical Anthropology</i> , 2005 , 128, 453-65	2.5	38
7	Bilateral asymmetry in the limb bones of the chimpanzee (<i>Pan troglodytes</i>). <i>American Journal of Physical Anthropology</i> , 2005 , 128, 840-5	2.5	43
6	Long bone robusticity and subsistence behaviour among Later Stone Age foragers of the forest and fynbos biomes of South Africa. <i>Journal of Archaeological Science</i> , 2004 , 31, 999-1013	2.9	123
5	A test of two methods of radiographically deriving long bone cross-sectional properties compared to direct sectioning of the diaphysis. <i>International Journal of Osteoarchaeology</i> , 2002 , 12, 335-342	1.1	38
4	Linking structural variability in long bone diaphyses to habitual behaviors: foragers from the southern African Later Stone Age and the Andaman Islands. <i>American Journal of Physical Anthropology</i> , 2001 , 115, 337-48	2.5	220
3	The biology of human migration: the ape that won't commit? 21-44		5
2	Predicting skeletal stature using ancient DNA. <i>American Journal of Biological Anthropology</i> ,		2
1	Predicting skeletal stature using ancient DNA		5

