

Jay T Stock

List of Publications by Year in descending order

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125
papers

5,719
citations

81900

39
h-index

98798

67
g-index

155
all docs

155
docs citations

155
times ranked

4865
citing authors

#	ARTICLE	IF	CITATIONS
1	Did Our Species Evolve in Subdivided Populations across Africa, and Why Does It Matter?. Trends in Ecology and Evolution, 2018, 33, 582-594.	8.7	315
2	Ancient Ethiopian genome reveals extensive Eurasian admixture in Eastern Africa. Science, 2015, 350, 820-822.	12.6	277
3	Linking structural variability in long bone diaphyses to habitual behaviors: Foragers from the southern African Later Stone Age and the Andaman Islands. American Journal of Physical Anthropology, 2001, 115, 337-348.	2.1	256
4	Intensity, repetitiveness, and directionality of habitual adolescent mobility patterns influence the tibial diaphysis morphology of athletes. American Journal of Physical Anthropology, 2009, 140, 149-159.	2.1	205
5	Hunter-gatherer postcranial robusticity relative to patterns of mobility, climatic adaptation, and selection for tissue economy. American Journal of Physical Anthropology, 2006, 131, 194-204.	2.1	200
6	Habitual throwing and swimming correspond with upper limb diaphyseal strength and shape in modern human athletes. American Journal of Physical Anthropology, 2009, 140, 160-172.	2.1	183
7	The obstetric dilemma: An ancient game of Russian roulette, or a variable dilemma sensitive to ecology?. American Journal of Physical Anthropology, 2012, 149, 40-71.	2.1	177
8	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. American Journal of Physical Anthropology, 2007, 134, 412-423.	2.1	171
9	Long bone robusticity and subsistence behaviour among Later Stone Age foragers of the forest and fynbos biomes of South Africa. Journal of Archaeological Science, 2004, 31, 999-1013.	2.4	156
10	Homo sapiens in Arabia by 85,000 years ago. Nature Ecology and Evolution, 2018, 2, 800-809.	7.8	143
11	Ancient human parallel lineages within North America contributed to a coastal expansion. Science, 2018, 360, 1024-1027.	12.6	138
12	The biology of the colonizing ape. American Journal of Physical Anthropology, 2007, 134, 191-222.	2.1	122
13	Trade-Offs in Relative Limb Length among Peruvian Children: Extending the Thrifty Phenotype Hypothesis to Limb Proportions. PLoS ONE, 2012, 7, e51795.	2.5	95
14	Extreme mobility in the Late Pleistocene? Comparing limb biomechanics among fossil Homo, varsity athletes and Holocene foragers. Journal of Human Evolution, 2013, 64, 242-249.	2.6	95
15	Twenty Thousand-Year-Old Huts at a Hunter-Gatherer Settlement in Eastern Jordan. PLoS ONE, 2012, 7, e31447.	2.5	80
16	The Pre-Neolithic Natufian Epipaleolithic: Long-Term Behavioral Trends in the Levant. Evolutionary Anthropology, 2012, 21, 69-81.	3.4	80
17	Neandertal Humeri May Reflect Adaptation to Scraping Tasks, but Not Spear Thrusting. PLoS ONE, 2012, 7, e40349.	2.5	80
18	The evolution and changing ecology of the African hominid oral microbiome. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	74

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19	A Unique Human-Fox Burial from a Pre-Natufian Cemetery in the Levant (Jordan). <i>PLoS ONE</i> , 2011, 6, e15815.	2.5	73
20	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.	10.3	70
21	Re-examining heritability: genetics, life history and plasticity. <i>Trends in Endocrinology and Metabolism</i> , 2011, 22, 421-428.	7.1	69
22	Lower limb skeletal biomechanics track long-term decline in mobility across ~150 years of agriculture in Central Europe. <i>Journal of Archaeological Science</i> , 2014, 52, 376-390.	2.4	64
23	Trabecular bone structural variation throughout the human lower limb. <i>Journal of Human Evolution</i> , 2016, 97, 97-108.	2.6	63
24	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, 520-528.	2.1	61
25	Body size estimation of small-bodied humans: Applicability of current methods. <i>American Journal of Physical Anthropology</i> , 2010, 141, 169-180.	2.1	57
26	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, 328-334.	2.1	56
27	Periosteal versus true cross-sectional geometry: A comparison along humeral, femoral, and tibial diaphyses. <i>American Journal of Physical Anthropology</i> , 2013, 150, 442-452.	2.1	55
28	The influence of body proportions on femoral and tibial midshaft shape in hunter-gatherers. <i>American Journal of Physical Anthropology</i> , 2011, 144, 22-29.	2.1	53
29	Digit ratio (2D:4D) and rowing ergometer performance in males and females. <i>American Journal of Physical Anthropology</i> , 2011, 144, 337-341.	2.1	53
30	Bilateral asymmetry in the limb bones of the chimpanzee (<i>Pan troglodytes</i>). <i>American Journal of Physical Anthropology</i> , 2005, 128, 840-845.	2.1	49
31	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, 264-279.	2.1	48
32	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, 625-636.	2.1	48
33	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.	3.5	46
34	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, 453-465.	2.1	44
35	Adult proportionality in small-bodied foragers: A test of ecogeographic expectations. <i>American Journal of Physical Anthropology</i> , 2008, 136, 28-38.	2.1	44
36	The Neandertal vertebral column I: The cervical spine. <i>Journal of Human Evolution</i> , 2013, 64, 608-630.	2.6	44

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37	Spatial and temporal variation of body size among early Homo. <i>Journal of Human Evolution</i> , 2015, 82, 15-33.	2.6	44
38	Relationships between Neonatal Weight, Limb Lengths, Skinfold Thicknesses, Body Breadths and Circumferences in an Australian Cohort. <i>PLoS ONE</i> , 2014, 9, e105108.	2.5	44
39	Tropical forests and the genus <i>Homo</i> . <i>Evolutionary Anthropology</i> , 2016, 25, 306-317.	3.4	41
40	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.	1.2	40
41	Epipalaeolithic settlement dynamics in southwest Asia: new radiocarbon evidence from the Azraq Basin. <i>Journal of Quaternary Science</i> , 2013, 28, 467-479.	2.1	40
42	Stunting, adiposity, and the individual-level burden among urban lowland and rural highland Peruvian children. <i>American Journal of Human Biology</i> , 2014, 26, 481-490.	1.6	39
43	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	37
44	Levels of Intraspecific Variation Within the Catarrhine Skeleton. <i>International Journal of Primatology</i> , 2010, 31, 779-795.	1.9	34
45	The influence of relative body breadth on the diaphyseal morphology of the human lower limb. <i>American Journal of Human Biology</i> , 2014, 26, 822-835.	1.6	33
46	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.	2.1	33
47	An Early Epipalaeolithic sitting burial from the Azraq Oasis, Jordan. <i>Antiquity</i> , 2010, 84, 321-334.	1.0	32
48	Activity patterns in the Sahara Desert: An interpretation based on cross-sectional geometric properties. <i>American Journal of Physical Anthropology</i> , 2011, 146, 423-434.	2.1	31
49	Long-term patterns of body mass and stature evolution within the hominin lineage. <i>Royal Society Open Science</i> , 2017, 4, 171339.	2.4	31
50	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.	2.6	30
51	The Neandertal vertebral column 2: The lumbar spine. <i>Journal of Human Evolution</i> , 2017, 106, 84-101.	2.6	30
52	Human-like hip joint loading in <i>Australopithecus africanus</i> and <i>Paranthropus robustus</i> . <i>Journal of Human Evolution</i> , 2018, 121, 12-24.	2.6	30
53	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.	12.0	29
54	Divergence in Male and Female Manipulative Behaviors with the Intensification of Metallurgy in Central Europe. <i>PLoS ONE</i> , 2014, 9, e112116.	2.5	27

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55	Declining tibial curvature parallels ~150 years of decreasing mobility in central european agriculturalists. <i>American Journal of Physical Anthropology</i> , 2015, 157, 260-275.	2.1	27
56	Baby steps towards linking calcaneal trabecular bone ontogeny and the development of bipedal human gait. <i>Journal of Anatomy</i> , 2020, 236, 474-492.	1.5	27
57	Can Persistence Hunting Signal Male Quality? A Test Considering Digit Ratio in Endurance Athletes. <i>PLoS ONE</i> , 2015, 10, e0121560.	2.5	26
58	Ancient origins of low lean mass among South Asians and implications for modern type 2 diabetes susceptibility. <i>Scientific Reports</i> , 2019, 9, 10515.	3.3	26
59	The Transition from Hunting to Gathering to Food Production in the Gamo Highlands of Southern Ethiopia. <i>African Archaeological Review</i> , 2019, 36, 5-65.	1.4	26
60	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.	2.1	26
61	Human athletic paleobiology; using sport as a model to investigate human evolutionary adaptation. <i>American Journal of Physical Anthropology</i> , 2020, 171, 42-59.	2.1	26
62	Stature, Mortality, and Life History among Indigenous Populations of the Andaman Islands, 1871-1986. <i>Current Anthropology</i> , 2009, 50, 713-725.	1.6	25
63	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.	0.2	24
64	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.	3.8	24
65	Lower limb biomechanics and habitual mobility among mid-Holocene populations of the Cis-Baikal. <i>Quaternary International</i> , 2016, 405, 200-209.	1.5	23
66	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.	2.1	22
67	Humans preserve non-human primate pattern of climatic adaptation. <i>Quaternary Science Reviews</i> , 2018, 192, 149-166.	3.0	22
68	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.	1.6	22
69	Trabecular bone functional adaptation and sexual dimorphism in the human foot. <i>American Journal of Physical Anthropology</i> , 2019, 168, 154-169.	2.1	22
70	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.	2.5	22
71	Are humans still evolving?. <i>EMBO Reports</i> , 2008, 9, S51-4.	4.5	21
72	A metric study of three types of artificial cranial modification from north-central Peru. <i>International Journal of Osteoarchaeology</i> , 2010, 20, 317-334.	1.2	21

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73	A trade-off between cognitive and physical performance, with relative preservation of brain function. <i>Scientific Reports</i> , 2017, 7, 13709.	3.3	21
74	Different environmental variables predict body and brain size evolution in Homo. <i>Nature Communications</i> , 2021, 12, 4116.	12.8	21
75	Population history and ecology, in addition to climate, influence human stature and body proportions. <i>Scientific Reports</i> , 2021, 11, 274.	3.3	21
76	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.	1.5	20
77	Short-term resource allocation during extensive athletic competition. <i>American Journal of Human Biology</i> , 2018, 30, e23052.	1.6	20
78	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.	2.1	18
79	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.	1.6	18
80	Associations between arterial oxygen saturation, body size and limb measurements among high-altitude andean children. <i>American Journal of Human Biology</i> , 2013, 25, 629-636.	1.6	15
81	Predicting skeletal stature using ancient <sc>DNA</sc>. <i>American Journal of Biological Anthropology</i> , 2022, 177, 162-174.	1.1	15
82	Birth month associations with height, head circumference, and limb lengths among peruvian children. <i>American Journal of Physical Anthropology</i> , 2014, 154, 115-124.	2.1	14
83	Surname-inferred andean ancestry is associated with child stature and limb lengths at high altitude in <sc>Peru</sc>, but not at sea level. <i>American Journal of Human Biology</i> , 2015, 27, 798-806.	1.6	14
84	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	14
85	Trabecular bone structure scales allometrically in the foot of four human groups. <i>Journal of Human Evolution</i> , 2019, 135, 102654.	2.6	14
86	Ecological variation in Later Stone Age southern African biomechanical properties. <i>Journal of Archaeological Science: Reports</i> , 2018, 17, 125-136.	0.5	13
87	Ultra-endurance athletic performance suggests that energetics drive human morphological thermal adaptation. <i>Evolutionary Human Sciences</i> , 2019, 1, .	1.7	12
88	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.	2.1	12
89	Unique foot posture in Neanderthals reflects their body mass and high mechanical stress. <i>Journal of Human Evolution</i> , 2021, 161, 103093.	2.6	12
90	Fluctuating Asymmetry as a Predictor for Rowing Ergometer Performance. <i>International Journal of Sports Medicine</i> , 2011, 32, 606-610.	1.7	11

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91	Patterns of directional asymmetry in the pelvis and pelvic canal. <i>American Journal of Human Biology</i> , 2016, 28, 804-810.	1.6	11
92	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.	2.4	11
93	Intrapopulation variation in lower limb trabecular architecture. <i>American Journal of Physical Anthropology</i> , 2020, 173, 112-129.	2.1	11
94	Cranial diversity in South Asia relative to modern human dispersals and global patterns of human variation. , 2007, , 245-268.		10
95	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.	1.6	9
96	Ancient Maltese genomes and the genetic geography of Neolithic Europe. <i>Current Biology</i> , 2022, 32, 2668-2680.e6.	3.9	9
97	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.	2.4	8
98	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.	2.1	8
99	Evidence of different climatic adaptation strategies in humans and non-human primates. <i>Scientific Reports</i> , 2019, 9, 11025.	3.3	8
100	Early life malnutrition and fluctuating asymmetry in the rat bony labyrinth. <i>Anatomical Record</i> , 2021, 304, 2645-2660.	1.4	8
101	Does the Distribution and Variation in Cortical Bone Along Lower Limb Diaphyses Reflect Selection for Locomotor Economy?. , 2014, , 49-66.		8
102	The biology of human migration: the ape that won't commit?. , 2012, , 21-44.		7
103	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.	2.1	7
104	Human Variation in the Periosteal Geometry of the Lower Limb: Signatures of Behaviour Among Human Holocene Populations. , 2014, , 67-90.		7
105	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.	2.6	6
106	Life, death, and the destruction of architecture: Hunter-gatherer mortuary behaviors in prehistoric Jordan. <i>Journal of Anthropological Archaeology</i> , 2021, 61, 101262.	1.6	6
107	Energetics as a driver of human morphological thermal adaptation; evidence from female ultra-endurance athletes. <i>Evolutionary Human Sciences</i> , 2021, 3, .	1.7	6
108	Evolution of Lactase Persistence: Turbo-Charging Adaptation in Growth Under the Selective Pressure of Maternal Mortality?. <i>Frontiers in Physiology</i> , 2021, 12, 696516.	2.8	6

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109	Growth and development of trabecular structure in the calcaneus of Japanese macaques (<i>Macaca</i>) Tj ETQq1 1 0.784314 rgBT /Ove Anatomy, 2022, 241, 67-81.	1.5	6
110	Evolutionary perspectives on human diet and nutrition. <i>Evolutionary Anthropology</i> , 2010, 19, 85-86.	3.4	5
111	Can bony labyrinth dimensions predict biological sex in archaeological samples?. <i>Journal of Archaeological Science: Reports</i> , 2020, 31, 102354.	0.5	5
112	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.	2.1	5
113	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.	0.2	4
114	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.	2.1	4
115	Analysis of periosteal lesions from commingled human remains at the Xagħra Circle hypogeum reveals the first case of probable scurvy from Neolithic Malta. <i>International Journal of Osteoarchaeology</i> , 2022, 32, 18-37.	1.2	4
116	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.	2.5	3
117	Environmental conditions do not predict diversification rates in the Bantu languages. <i>Heliyon</i> , 2019, 5, e02630.	3.2	3
118	Automated resolution independent method for comparing in vivo and dry trabecular bone. <i>American Journal of Physical Anthropology</i> , 2021, 174, 822-831.	2.1	3
119	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, 79-97.	1.1	3
120	The talar morphology of a hypochondroplastic dwarf: A case study from the Italian Late Antique period. <i>International Journal of Osteoarchaeology</i> , 2022, 32, 429-443.	1.2	3
121	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.	1.6	1
122	Biological Anthropology and Ethics: From Repatriation to Genetic Identity. Trudy R. Turner. <i>Journal of Anthropological Research</i> , 2005, 61, 429-431.	0.1	0
123	Obstructed Labour: The Classic Obstetric Dilemma and Beyond. , 2016, , 33-45.		0
124	Trabecular bone structural variation in the human postcranial skeleton. <i>FASEB Journal</i> , 2019, 33, 19.2.	0.5	0
125	The influence of subsistence strategy and climate on bony labyrinth morphology in recent Homo sapiens. <i>American Journal of Biological Anthropology</i> , 0, , .	1.1	0