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	Analysis of periosteal lesions from commingled human remains at the XagÄ§ra Circle hypogeum reveals the first case of probable scurvy from Neolithic Malta. International Journal of Osteoarchaeology, 2022, 32, 18-37.	1.2	4
2	Predicting skeletal stature using ancient <scp>DNA</scp>. American Journal of Biological Anthropology, 2022, 177, 162-174.	1.1	15
3	Alternative Metabolic Strategies are Employed by Endurance Runners of Different Body Sizes; Implications for Human Evolution. Adaptive Human Behavior and Physiology, 2022, 8, 79-97.	1.1	3
4	Growth and development of trabecular structure in the calcaneus of Japanese macaques (<i>Macaca) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Anatomy, 2022, 241, 67-81.	1.5	6
5	The talar morphology of a hypochondroplasic dwarf: A case study from the Italian Late Antique period. International Journal of Osteoarchaeology, 2022, 32, 429-443.	1.2	3
6	Evaluation of dualâ€energy Xâ€ray absorptiometry compared to magnetic resonance imaging for collecting measurements of the human bony pelvis. American Journal of Human Biology, 2022, , e23753.	1.6	1
7	Ancient Maltese genomes and the genetic geography of Neolithic Europe. Current Biology, 2022, 32, 2668-2680.e6.	3.9	9
8	Obstetric dimensions of the female pelvis are less integrated than locomotor dimensions and show protective scaling patterns: Implications for the obstetrical dilemma. American Journal of Human Biology, 2021, 33, e23451.	1.6	9
9	Combinations of trabecular and cortical bone properties distinguish various loading modalities between athletes and controls. American Journal of Physical Anthropology, 2021, 174, 434-450.	2.1	12
10	Automated resolution independent method for comparing in vivo and dry trabecular bone. American Journal of Physical Anthropology, 2021, 174, 822-831.	2.1	3
11	Life, death, and the destruction of architecture: Hunter-gatherer mortuary behaviors in prehistoric Jordan. Journal of Anthropological Archaeology, 2021, 61, 101262.	1.6	6
12	Using point clouds to investigate the relationship between trabecular bone phenotype and behavior: An example utilizing the human calcaneus. American Journal of Human Biology, 2021, 33, e23468.	1.6	18
13	Energetics as a driver of human morphological thermal adaptation; evidence from female ultra-endurance athletes. Evolutionary Human Sciences, 2021, 3, .	1.7	6
14	Early life malnutrition and fluctuating asymmetry in the rat bony labyrinth. Anatomical Record, 2021, 304, 2645-2660.	1.4	8
15	Fluctuating asymmetry, a marker of poor growth quality, is associated with adult male metabolic rate. American Journal of Physical Anthropology, 2021, 175, 646-655.	2.1	5
16	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
17	Different environmental variables predict body and brain size evolution in Homo. Nature Communications, 2021, 12, 4116.	12.8	21
18	Evolution of Lactase Persistence: Turbo-Charging Adaptation in Growth Under the Selective Pressure of Maternal Mortality?. Frontiers in Physiology, 2021, 12, 696516.	2.8	6

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19	Population history and ecology, in addition to climate, influence human stature and body proportions. Scientific Reports, 2021, 11, 274.	3.3	21
20	Unique foot posture in Neanderthals reflects their body mass and high mechanical stress. Journal of Human Evolution, 2021, 161, 103093.	2.6	12
21	Baby steps towards linking calcaneal trabecular bone ontogeny and the development of bipedal human gait. Journal of Anatomy, 2020, 236, 474-492.	1.5	27
22	Muscle force interacts with stature to influence functionally related polar second moments of area in the lower limb among adult women. American Journal of Physical Anthropology, 2020, 173, 258-275.	2.1	4
23	Can bony labyrinth dimensions predict biological sex in archaeological samples?. Journal of Archaeological Science: Reports, 2020, 31, 102354.	0.5	5
24	Climate shaped how Neolithic farmers and European hunter-gatherers interacted after a major slowdown from 6,100 bce to 4,500 bce. Nature Human Behaviour, 2020, 4, 1004-1010.	12.0	29
25	Human athletic paleobiology; using sport as a model to investigate human evolutionary adaptation. American Journal of Physical Anthropology, 2020, 171, 42-59.	2.1	26
26	Intrapopulation variation in lower limb trabecular architecture. American Journal of Physical Anthropology, 2020, 173, 112-129.	2.1	11
27	Life History Transitions at the Origins of Agriculture: A Model for Understanding How Niche Construction Impacts Human Growth, Demography and Health. Frontiers in Endocrinology, 2020, 11, 325.	3.5	46
28	Estimating body mass and composition from proximal femur dimensions using dual energy x-ray absorptiometry. Archaeological and Anthropological Sciences, 2019, 11, 2167-2179.	1.8	14
29	Ancient origins of low lean mass among South Asians and implications for modern type 2 diabetes susceptibility. Scientific Reports, 2019, 9, 10515.	3.3	26
30	Evidence of different climatic adaptation strategies in humans and non-human primates. Scientific Reports, 2019, 9, 11025.	3.3	8
31	Environmental conditions do not predict diversification rates in the Bantu languages. Heliyon, 2019, 5, e02630.	3.2	3
32	Trabecular bone structure scales allometrically in the foot of four human groups. Journal of Human Evolution, 2019, 135, 102654.	2.6	14
33	Intensive terrestrial or marine locomotor strategies are associated with interâ€•and intraâ€limb bone functional adaptation in living female athletes. American Journal of Physical Anthropology, 2019, 168, 566-581.	2.1	18
34	The Transition from Huntingâ€“Gathering to Food Production in the Gamo Highlands of Southern Ethiopia. African Archaeological Review, 2019, 36, 5-65.	1.4	26
35	Ultra-endurance athletic performance suggests that energetics drive human morphological thermal adaptation. Evolutionary Human Sciences, 2019, 1, .	1.7	12
36	Trabecular bone functional adaptation and sexual dimorphism in the human foot. American Journal of Physical Anthropology, 2019, 168, 154-169.	2.1	22

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37	Complex variation of trabecular bone structure in the proximal humerus and femur of five modern human populations. American Journal of Physical Anthropology, 2019, 168, 104-118.	2.1	26
38	Trabecular bone structural variation in the human postcranial skeleton. FASEB Journal, 2019, 33, 19.2.	0.5	0
39	The thermoregulatory function of the human hand: How do palm and digit proportions affect heat loss?. American Journal of Physical Anthropology, 2018, 166, 803-811.	2.1	7
40	Homo sapiens in Arabia by 85,000 years ago. Nature Ecology and Evolution, 2018, 2, 800-809.	7.8	143
41	Relationship between body mass, lean mass, fat mass, and limb bone crossâ€sectional geometry: Implications for estimating body mass and physique from the skeleton. American Journal of Physical Anthropology, 2018, 166, 56-69.	2.1	33
42	Body size and body composition effects on heat loss from the hands during severe cold exposure. American Journal of Physical Anthropology, 2018, 166, 313-322.	2.1	22
43	Stature estimation equations for South Asian skeletons based on DXA scans of contemporary adults. American Journal of Physical Anthropology, 2018, 167, 20-31.	2.1	8
44	Human-like hip joint loading in Australopithecus africanus and Paranthropus robustus. Journal of Human Evolution, 2018, 121, 12-24.	2.6	30
45	Shortâ€term resource allocation during extensive athletic competition. American Journal of Human Biology, 2018, 30, e23052.	1.6	20
46	Ecological variation in Later Stone Age southern African biomechanical properties. Journal of Archaeological Science: Reports, 2018, 17, 125-136.	0.5	13
47	Thrifty phenotype versus cold adaptation: trade-offs in upper limb proportions of Himalayan populations of Nepal. Royal Society Open Science, 2018, 5, 172174.	2.4	11
48	Maternal investment, maturational rate of the offspring and mechanical competence of the adult female skeleton. Evolution, Medicine and Public Health, 2018, 2018, 167-179.	2.5	3
49	Ancient human parallel lineages within North America contributed to a coastal expansion. Science, 2018, 360, 1024-1027.	12.6	138
50	Humans preserve non-human primate pattern of climatic adaptation. Quaternary Science Reviews, 2018, 192, 149-166.	3.0	22
51	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
52	Assessing the accuracy of body mass estimation equations from pelvic and femoral variables among modern British women of known mass. Journal of Human Evolution, 2018, 115, 130-139.	2.6	6
53	Tandem Androgenic and Psychological Shifts in Male Reproductive Effort Following a Manipulated â€œWinâ€•or â€œLossâ€•in a Sporting Competition. Human Nature, 2018, 29, 283-310.	1.6	22
54	The Neandertal vertebral column 2: The lumbar spine. Journal of Human Evolution, 2017, 106, 84-101.	2.6	30

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55	A trade-off between cognitive and physical performance, with relative preservation of brain function. Scientific Reports, 2017, 7, 13709.	3.3	21
56	Prehistoric womenâ€™s manual labor exceeded that of athletes through the first 5500 years of farming in Central Europe. Science Advances, 2017, 3, eaao3893.	10.3	70
57	Long-term patterns of body mass and stature evolution within the hominin lineage. Royal Society Open Science, 2017, 4, 171339.	2.4	31
58	Patterns of directional asymmetry in the pelvis and pelvic canal. American Journal of Human Biology, 2016, 28, 804-810.	1.6	11
59	Tropical forests and the genus Homo. Evolutionary Anthropology, 2016, 25, 306-317.	3.4	41
60	Trabecular bone structural variation throughout the human lower limb. Journal of Human Evolution, 2016, 97, 97-108.	2.6	63
61	Diffuse idiopathic skeletal hyperostosis (DISH) in a middle Holocene forager from Lake Baikal, Russia: Potential causes and the effect on quality of life. Quaternary International, 2016, 405, 66-79.	1.5	20
62	Lower limb biomechanics and habitual mobility among mid-Holocene populations of the Cis-Baikal. Quaternary International, 2016, 405, 200-209.	1.5	23
63	Early Life Conditions and Physiological Stress following the Transition to Farming in Central/Southeast Europe: Skeletal Growth Impairment and 6000 Years of Gradual Recovery. PLoS ONE, 2016, 11, e0148468.	2.5	22
64	Obstructed Labour: The Classic Obstetric Dilemma and Beyond. , 2016, , 33-45.		0
65	Surnameâ€inferred andean ancestry is associated with child stature and limb lengths at high altitude in <scp>P</scp>eru, but not at sea level. American Journal of Human Biology, 2015, 27, 798-806.	1.6	14
66	Can Persistence Hunting Signal Male Quality? A Test Considering Digit Ratio in Endurance Athletes. PLoS ONE, 2015, 10, e0121560.	2.5	26
67	Declining tibial curvature parallels â^¼6150 years of decreasing mobility in central european agriculturalists. American Journal of Physical Anthropology, 2015, 157, 260-275.	2.1	27
68	Relationships of maternal and paternal anthropometry with neonatal body size, proportions and adiposity in an Australian cohort. American Journal of Physical Anthropology, 2015, 156, 625-636.	2.1	48
69	Spatial and temporal variation of body size among early Homo. Journal of Human Evolution, 2015, 82, 15-33.	2.6	44
70	Ancient Ethiopian genome reveals extensive Eurasian admixture in Eastern Africa. Science, 2015, 350, 820-822.	12.6	277
71	Divergence in Male and Female Manipulative Behaviors with the Intensification of Metallurgy in Central Europe. PLoS ONE, 2014, 9, e112116.	2.5	27
72	Birth month associations with height, head circumference, and limb lengths among peruvian children. American Journal of Physical Anthropology, 2014, 154, 115-124.	2.1	14

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73	The influence of relative body breadth on the diaphyseal morphology of the human lower limb. American Journal of Human Biology, 2014, 26, 822-835.	1.6	33
74	Stunting, adiposity, and the individualâ€level â€œdual burdenâ€•among urban lowland and rural highland peruvian children. American Journal of Human Biology, 2014, 26, 481-490.	1.6	39
75	Lower limb skeletal biomechanics track long-term decline in mobility across â^¼6150 years of agriculture in Central Europe. Journal of Archaeological Science, 2014, 52, 376-390.	2.4	64
76	Does the Distribution and Variation in Cortical Bone Along Lower Limb Diaphyses Reflect Selection for Locomotor Economy?. , 2014, , 49-66.		8
77	Human Variation in the Periosteal Geometry of the Lower Limb: Signatures of Behaviour Among Human Holocene Populations. , 2014, , 67-90.		7
78	Relationships between Neonatal Weight, Limb Lengths, Skinfold Thicknesses, Body Breadths and Circumferences in an Australian Cohort. PLoS ONE, 2014, 9, e105108.	2.5	44
79	The Neandertal vertebral column 1: The cervical spine. Journal of Human Evolution, 2013, 64, 608-630.	2.6	44
80	The Skeletal Phenotype of â€œNegritosâ€•from the Andaman Islands and Philippines Relative to Global Variation among Hunter-Gatherers. Human Biology, 2013, 85, 67-94.	0.2	24
81	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
82	Skull and limb morphology differentially track population history and environmental factors in the transition to agriculture in Europe. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131337.	2.6	30
83	Periosteal versus true crossâ€sectional geometry: A comparison along humeral, femoral, and tibial diaphyses. American Journal of Physical Anthropology, 2013, 150, 442-452.	2.1	55
84	Associations between arterial oxygen saturation, body size and limb measurements among highâ€altitude andean children. American Journal of Human Biology, 2013, 25, 629-636.	1.6	15
85	Skeletal evidence for variable patterns of handedness in chimpanzees, human hunterâ€“gatherers, and recent British populations. Annals of the New York Academy of Sciences, 2013, 1288, 86-99.	3.8	24
86	The Skeletal Phenotype of â€œNegritosâ€•from the Andaman Islands and Philippines Relative to Global Variation among Hunter-Gatherers. Human Biology, 2013, 85, 67.	0.2	4
87	Epipalaeolithic settlement dynamics in southwest Asia: new radiocarbon evidence from the Azraq Basin. Journal of Quaternary Science, 2013, 28, 467-479.	2.1	40
88	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
89	Subsistence and mobility strategies in the Epipalaeolithic: a stable isotope analysis of human and faunal remains at 'Uyun al-Hammam, northern Jordan. Journal of Archaeological Science, 2012, 39, 1984-1992.	2.4	8
90	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. Archaeological and Anthropological Sciences, 2012, 4, 277-290.	1.8	37

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91	Twenty Thousand-Year-Old Huts at a Hunter-Gatherer Settlement in Eastern Jordan. PLoS ONE, 2012, 7, e31447.	2.5	80
92	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
93	The biology of human migration: the ape that wonâ€™t commit?. , 2012, , 21-44.		7
94	The Preâ€Natufian Epipaleolithic: Longâ€term Behavioral Trends in the Levant. Evolutionary Anthropology, 2012, 21, 69-81.	3.4	80
95	Estimation of stature and body mass from the skeleton among coastal and midâ€altitude andean populations. American Journal of Physical Anthropology, 2012, 147, 264-279.	2.1	48
96	Neandertal Humeri May Reflect Adaptation to Scraping Tasks, but Not Spear Thrusting. PLoS ONE, 2012, 7, e40349.	2.5	80
97	Re-examining heritability: genetics, life history and plasticity. Trends in Endocrinology and Metabolism, 2011, 22, 421-428.	7.1	69
98	A Unique Human-Fox Burial from a Pre-Natufian Cemetery in the Levant (Jordan). PLoS ONE, 2011, 6, e15815.	2.5	73
99	The influence of body proportions on femoral and tibial midshaft shape in hunterâ€gatherers. American Journal of Physical Anthropology, 2011, 144, 22-29.	2.1	53
100	Digit ratio (2D:4D) and rowing ergometer performance in males and females. American Journal of Physical Anthropology, 2011, 144, 337-341.	2.1	53
101	Activity patterns in the Sahara Desert: An interpretation based on crossâ€sectional geometric properties. American Journal of Physical Anthropology, 2011, 146, 423-434.	2.1	31
102	Fluctuating Asymmetry as a Predictor for Rowing Ergometer Performance. International Journal of Sports Medicine, 2011, 32, 606-610.	1.7	11
103	Body size estimation of smallâ€bodied humans: Applicability of current methods. American Journal of Physical Anthropology, 2010, 141, 169-180.	2.1	57
104	Levels of Intraspecific Variation Within the Catarrhine Skeleton. International Journal of Primatology, 2010, 31, 779-795.	1.9	34
105	A metric study of three types of artificial cranial modification from northâ€central Peru. International Journal of Osteoarchaeology, 2010, 20, 317-334.	1.2	21
106	Evolutionary perspectives on human diet and nutrition. Evolutionary Anthropology, 2010, 19, 85-86.	3.4	5
107	Technical note: Morphometric maps of long bone shafts and dental roots for imaging topographic thickness variation. American Journal of Physical Anthropology, 2010, 142, 328-334.	2.1	56
108	An Early Epipalaeolithic sitting burial from the Azraq Oasis, Jordan. Antiquity, 2010, 84, 321-334.	1.0	32

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109	Stature, Mortality, and Life History among Indigenous Populations of the Andaman Islands, 1871â€“1986. Current Anthropology, 2009, 50, 713-725.	1.6	25
110	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
111	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
112	Adult proportionality in smallâ€bodied foragers: A test of ecogeographic expectations. American Journal of Physical Anthropology, 2008, 136, 28-38.	2.1	44
113	Are humans still evolving?. EMBO Reports, 2008, 9, S51-4.	4.5	21
114	Cranial diversity in South Asia relative to modern human dispersals and global patterns of human variation. , 2007, , 245-268.		10
115	Which measures of diaphyseal robusticity are robust? A comparison of external methods of quantifying the strength of long bone diaphyses to crossâ€sectional geometric properties. American Journal of Physical Anthropology, 2007, 134, 412-423.	2.1	171
116	Dental indicators of health and stress in early Egyptian and Nubian agriculturalists: A difficult transition and gradual recovery. American Journal of Physical Anthropology, 2007, 134, 520-528.	2.1	61
117	The biology of the colonizing ape. American Journal of Physical Anthropology, 2007, 134, 191-222.	2.1	122
118	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
119	Biological Anthropology and Ethics: From Repatriation to Genetic Identity. Trudy R. Turner. Journal of Anthropological Research, 2005, 61, 429-431.	0.1	0
120	F-81 skeleton from Wadi Mataha, Jordan, and its bearing on human variability in the Epipaleolithic of the Levant. American Journal of Physical Anthropology, 2005, 128, 453-465.	2.1	44
121	Bilateral asymmetry in the limb bones of the chimpanzee (Pan troglodytes). American Journal of Physical Anthropology, 2005, 128, 840-845.	2.1	49
122	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
123	A test of two methods of radiographically deriving long bone cross-sectional properties compared to direct sectioning of the diaphysis. International Journal of Osteoarchaeology, 2002, 12, 335-342.	1.2	40
124	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
125	The influence of subsistence strategy and climate on bony labyrinth morphology in recent Homo sapiens. American Journal of Biological Anthropology, 0, , .	1.1	0