

# Adam Hartstone-Rose

## List of Publications by Year in descending order

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Version: 2024-02-01

94  
papers

1,775  
citations

279487

23  
h-index

344852

36  
g-index

97  
all docs

97  
docs citations

97  
times ranked

1568  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bite Force Estimation and the Fiber Architecture of Felid Masticatory Muscles. <i>Anatomical Record</i> , 2012, 295, 1336-1351.	0.8	89
2	The Jaw Adductors of Strepsirrhines in Relation to Body Size, Diet, and Ingested Food Size. <i>Anatomical Record</i> , 2011, 294, 712-728.	0.8	73
3	Adaptation to hard-object feeding in sea otters and hominins. <i>Journal of Human Evolution</i> , 2011, 61, 89-96.	1.3	72
4	Evolution of facial muscle anatomy in dogs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14677-14681.	3.3	68
5	Scaling of Primate Forearm Muscle Architecture as It Relates to Locomotion and Posture. <i>Anatomical Record</i> , 2018, 301, 484-495.	0.8	66
6	Characterizing felid tooth marking and gross bone damage patterns using GIS image analysis: An experimental feeding study with large felids. <i>Journal of Human Evolution</i> , 2015, 80, 114-134.	1.3	58
7	Dental Signatures for Exudatory in Living Primates, with Comparisons to Other Gouging Mammals. <i>Anatomical Record</i> , 2020, 303, 265-281.	0.8	53
8	Applications of Augmented Reality in Informal Science Learning Sites: a Review. <i>Journal of Science Education and Technology</i> , 2018, 27, 433-447.	2.4	52
9	Exudatory in the Asian loris, <i>Nycticebus</i> : Evolutionary divergence in the toothcomb and $M^3$ . <i>American Journal of Physical Anthropology</i> , 2015, 158, 663-672.	2.1	51
10	A Role for Human Skin Mast Cells in Dengue Virus Infection and Systemic Spread. <i>Journal of Immunology</i> , 2016, 197, 4382-4391.	0.4	49
11	Extraordinary grip strength and specialized myology in the hyperderived hand of <i>Perodicticus potto</i> ?. <i>Journal of Anatomy</i> , 2019, 235, 931-939.	0.9	49
12	The Plio-Pleistocene ancestor of wild dogs, <i>Lycaon sekowei</i> n. sp.. <i>Journal of Paleontology</i> , 2010, 84, 299-308.	0.5	46
13	The role of tooth enamel mechanical properties in primate dietary adaptation. <i>American Journal of Physical Anthropology</i> , 2012, 148, 171-177.	2.1	43
14	STEM gender stereotypes from early childhood through adolescence at informal science centers. <i>Journal of Applied Developmental Psychology</i> , 2020, 67, 101109.	0.8	42
15	The Three-Dimensional Morphological Effects of Captivity. <i>PLoS ONE</i> , 2014, 9, e113437.	1.1	41
16	A mechanical argument for the differential performance of coronary artery grafts. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 54, 93-105.	1.5	37
17	Maximum ingested food size in captive strepsirrhine primates: Scaling and the effects of diet. <i>American Journal of Physical Anthropology</i> , 2010, 142, 625-635.	2.1	34
18	Megalictis, the Bone-Crushing Giant Mustelid (Carnivora, Mustelidae, Oligobuninae) from the Early Miocene of North America. <i>PLoS ONE</i> , 2016, 11, e0152430.	1.1	34

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19	Complete description of the skull and mandible of the giant mustelid <i>Eomellivora piveteaui</i> Ozansoy, 1965 (Mammalia, Carnivora, Mustelidae), from Batallones (MN10), late Miocene (Madrid, Spain). <i>Journal of Vertebrate Paleontology</i> , 2015, 35, e934570.	0.4	31
20	Do Muscles Constrain Skull Shape Evolution in Strepsirrhines?. <i>Anatomical Record</i> , 2018, 301, 291-310.	0.8	31
21	A relevant in vitro human model for the study of Zika virus antibody-dependent enhancement. <i>Journal of General Virology</i> , 2017, 98, 1702-1712.	1.3	29
22	Dietary Correlates of Primate Masticatory Muscle Fiber Architecture. <i>Anatomical Record</i> , 2018, 301, 311-324.	0.8	28
23	Binturong ( <i>Arctictis binturong</i> ) and Kinkajou ( <i>Potos flavus</i> ) Digestive Strategy: Implications for Interpreting Frugivory in Carnivora and Primates. <i>PLoS ONE</i> , 2014, 9, e105415.	1.1	26
24	Oral health correlates of captivity. <i>Research in Veterinary Science</i> , 2016, 107, 213-219.	0.9	26
25	Carnivoran Remains from the Malapa Hominin Site, South Africa. <i>PLoS ONE</i> , 2011, 6, e26940.	1.1	26
26	Bite Force and Masticatory Muscle Architecture Adaptations in the Dietarily Diverse Musteloidea (Carnivora). <i>Anatomical Record</i> , 2019, 302, 2287-2299.	0.8	25
27	The effects of prior informal science and math experiences on undergraduate STEM identity. <i>Research in Science and Technological Education</i> , 2020, 38, 272-288.	1.4	25
28	Reconstructing the diets of extinct South African carnivorans from premolar intercuspid notch morphology. <i>Journal of Zoology</i> , 2011, 285, 119-127.	0.8	23
29	Relationships between Masticatory Muscle Architecture in Primates and their Climatic and Ecological Correlations. <i>Anatomical Record</i> , 2018, 301, 515-527.	0.8	23
30	The Jaw Adductor Resultant and Estimated Bite Force in Primates. <i>Anatomy Research International</i> , 2011, 2011, 1-11.	1.1	22
31	The gaits of marsupials and the evolution of diagonal sequence walking in primates. <i>American Journal of Physical Anthropology</i> , 2020, 171, 182-197.	2.1	22
32	Anatomy and Adaptations of the Chewing Muscles in <i>Daubentonia</i> (Lemuriformes). <i>Anatomical Record</i> , 2014, 297, 308-316.	0.8	21
33	Chinese Herbal Compounds for the Prevention and Treatment of Atherosclerosis: Experimental Evidence and Mechanisms. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-15.	0.5	21
34	Using radii-of-curvature for the reconstruction of extinct South African carnivoran masticatory behavior. <i>Comptes Rendus - Palevol</i> , 2008, 7, 629-643.	0.1	20
35	A new species of fox from the <i>Australopithecus sediba</i> type locality, Malapa, South Africa. <i>Transactions of the Royal Society of South Africa</i> , 2013, 68, 1-9.	0.8	20
36	Intraductal Adaptation of the 4T1 Mouse Model of Breast Cancer Reveals Effects of the Epithelial Microenvironment on Tumor Progression and Metastasis. <i>Anticancer Research</i> , 2019, 39, 2277-2287.	0.5	19

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37	The Relations and Role of Social Competencies and Belonging with Math and Science Interest and Efficacy for Adolescents in Informal STEM Programs. <i>Journal of Youth and Adolescence</i> , 2021, 50, 314-323.	1.9	19
38	Comparing apples and oranges—the influence of food mechanical properties on ingestive bite sizes in lemurs. <i>American Journal of Physical Anthropology</i> , 2015, 157, 513-518.	2.1	17
39	Visualization and Quantification of Digitally Dissected Muscle Fascicles in the Masticatory Muscles of <i>Callithrix jacchus</i> Using Nondestructive DiceCT. <i>Anatomical Record</i> , 2019, 302, 1891-1900.	0.8	17
40	Scaling of Anatomically Derived Maximal Bite Force in Primates. <i>Anatomical Record</i> , 2020, 303, 2026-2035.	0.8	16
41	The Ontogeny of Masticatory Muscle Architecture in <i>Microcebus murinus</i> . <i>Anatomical Record</i> , 2020, 303, 1364-1373.	0.8	16
42	Cranio-mandibular signals of diet in adapids. <i>American Journal of Physical Anthropology</i> , 2015, 158, 646-662.	2.1	13
43	Maximum ingested food size in captive anthropoids. <i>American Journal of Physical Anthropology</i> , 2015, 158, 92-104.	2.1	13
44	Effects of freezing and short-term fixation on muscle mass, volume, and density. <i>Anatomical Record</i> , 2022, 305, 199-208.	0.8	13
45	The clavicles of <i>Smilodon fatalis</i> and <i>Panthera atrox</i> (mammalia: Felidae) from Rancho La Brea, Los Angeles, California. <i>Journal of Morphology</i> , 2012, 273, 981-991.	0.6	11
46	The perivascular environment along the vertebral artery governs segment-specific structural and mechanical properties. <i>Acta Biomaterialia</i> , 2016, 45, 286-295.	4.1	11
47	The effect of captivity on the oral health of the critically endangered black-footed ferret ( <i>Mustela nigripes</i> ). <i>Canadian Journal of Zoology</i> , 2016, 94, 15-22.	0.4	11
48	Learning hand in hand: Engaging in research-practice partnerships to advance developmental science. <i>New Directions for Child and Adolescent Development</i> , 2020, 2020, 125-134.	1.3	11
49	Masticatory muscle architectural correlates of dietary diversity in Canidae, Ursidae, and across the order Carnivora. <i>Anatomical Record</i> , 2022, 305, 477-497.	0.8	11
50	Assessing adolescents' critical health literacy: How is trust in government leadership associated with knowledge of COVID-19?. <i>PLoS ONE</i> , 2021, 16, e0259523.	1.1	11
51	Body size in African Middle Pleistocene <i>Homo</i> . , 2012, , 319-346.		10
52	Intraspecific Variation in Maximum Ingested Food Size and Body Mass in <i>Varecia rubra</i> and <i>Propithecus coquereli</i> . <i>Anatomy Research International</i> , 2011, 2011, 1-8.	1.1	9
53	Hypercarnivory, durophagy or generalised carnivory in the Mio-Pliocene hyaenids of South Africa?. <i>South African Journal of Science</i> , 2013, 109, 10.	0.3	9
54	DiceCT Analysis of the Extreme Gouging Adaptations Within the Masticatory Apparatus of the Aye-Aye ( <i>Daubentonia</i> )	0.8	9

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55	The Forearm Musculature of the Gray Mouse Lemur ( <i>Microcebus murinus</i> ): An Ontogenetic Study. <i>Anatomical Record</i> , 2020, 303, 1354-1363.	0.8	9
56	Behavioral Correlates of Cranial Muscle Functional Morphology. <i>Anatomical Record</i> , 2018, 301, 197-201.	0.8	8
57	A primate with a Panda's thumb: The anatomy of the pseudthumb of <i>Daubentonia madagascariensis</i> . <i>American Journal of Physical Anthropology</i> , 2020, 171, 8-16.	2.1	8
58	Science and Math Interest and Gender Stereotypes: The Role of Educator Gender in Informal Science Learning Sites. <i>Frontiers in Psychology</i> , 2021, 12, 503237.	1.1	8
59	Effects of long-term ethanol storage on muscle architecture. <i>Anatomical Record</i> , 2022, 305, 184-198.	0.8	8
60	Diverse diets of the Mio-Pliocene carnivorans of Langebaanweg, South Africa. <i>South African Journal of Science</i> , 2016, 112, 14.	0.3	7
61	Interest and learning in informal science learning sites: Differences in experiences with different types of educators. <i>PLoS ONE</i> , 2020, 15, e0236279.	1.1	7
62	Myological variation in the forearm anatomy of Callitrichidae and Lemuridae. <i>Journal of Anatomy</i> , 2021, 239, 669-681.	0.9	7
63	Evaluating bony predictors of bite force across the order <i>Carnivora</i> . <i>Journal of Morphology</i> , 2021, 282, 1499-1513.	0.6	7
64	Anatomical and ontogenetic influences on muscle density. <i>Scientific Reports</i> , 2021, 11, 2114.	1.6	7
65	The carnivore guild circa 1.98 million years: biodiversity and implications for the palaeoenvironment at Malapa, South Africa. <i>Palaeobiodiversity and Palaeoenvironments</i> , 2016, 96, 611-616.	0.6	6
66	Left-right analysis of mammary gland development in retinoid X receptor <sup>±</sup> mice. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150416.	1.8	6
67	A Novel Method for Assessing Enamel Thickness Distribution in the Anterior Dentition as a Signal for Gouging and Other Extractive Foraging Behaviors in Gummivorous Mammals. <i>Folia Primatologica</i> , 2020, 91, 365-384.	0.3	6
68	Understanding Parents' Roles in Children's Learning and Engagement in Informal Science Learning Sites. <i>Frontiers in Psychology</i> , 2021, 12, 635839.	1.1	6
69	Functional Morphology and Behavioral Correlates to Postcranial Musculature. <i>Anatomical Record</i> , 2018, 301, 419-423.	0.8	5
70	Review of sensory modalities of sirenians and the other extant Paenungulata clade. <i>Anatomical Record</i> , 2022, 305, 715-735.	0.8	5
71	The Soft-Tissue Anatomy of the Highly Derived Hand of <i>Perodicticus</i> Relative to the More Generalised <i>Nycticebus</i> . , 2020, , 76-96.		4
72	Functional and ecological correlates of the primate jaw abductors. <i>Anatomical Record</i> , 2022, 305, 1245-1263.	0.8	4

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73	Preparing the Next Generation for STEM: Adolescent Profiles Encompassing Math and Science Motivation and Interpersonal Skills and Their Associations With Identity and Belonging. <i>Youth and Society</i> , 2023, 55, 1207-1230.	1.3	4
74	Primate Dental Enamel: What It Says about Diet. <i>Frontiers of Oral Biology</i> , 2009, 13, 44-48.	1.5	3
75	The ligamentum teres femoris in orangutans. <i>American Journal of Physical Anthropology</i> , 2018, 167, 684-690.	2.1	3
76	The howl of <i>Rancho La Brea</i> : Comparative anatomy of modern and fossil canid hyoid bones. <i>Journal of Morphology</i> , 2020, 281, 646-652.	0.6	3
77	Visualization and quantification of mimetic musculature via DiceCT. <i>PeerJ</i> , 2020, 8, e9343.	0.9	3
78	<i>Amphictis</i> (Carnivora, Ailuridae) from the Belgrade Formation of North Carolina, USA. <i>PeerJ</i> , 2020, 8, e9284.	0.9	3
79	Reverse Dissection and DiceCT Reveal Otherwise Hidden Data in the Evolution of the Primate Face. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	2
80	Total Eclipse of the Zoo: Animal Behavior during a Total Solar Eclipse. <i>Animals</i> , 2020, 10, 587.	1.0	2
81	The cranial morphology of large captive versus wild felids (918.11). <i>FASEB Journal</i> , 2014, 28, 918.11.	0.2	2
82	The Ontogeny of Masticatory Muscle Architecture in <i>Microcebus murinus</i> . <i>FASEB Journal</i> , 2019, 33, 615.6.	0.2	2
83	Brief communication: Maximum ingested bite size in captive western lowland gorillas ( <i>Gorilla gorilla</i> ) Tj ETQq1 1 0.784314 rgBT /Overlo	2.1	1
84	What Role Did Gum-Feeding Play in the Evolution of the Lorises?. , 2020, , 153-162.		1
85	Chewing muscle architecture and bite size in lemurs. <i>FASEB Journal</i> , 2007, 21, A85.	0.2	1
86	Using Augmented Reality to Promote Active Learning in College Science. , 2020, , 741-755.		1
87	Comparative Anatomy of Primates. , 2015, , 43-55.		0
88	Primate body mass and dietary correlates of tooth root surface area. <i>American Journal of Biological Anthropology</i> , 0, , .	0.6	0
89	Comparative anatomy of the felid masticatory system. <i>FASEB Journal</i> , 2007, 21, A85.	0.2	0
90	Intraspecific and intrafamilial variation in primate forearm muscle architecture. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0

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91	Anatomical and Ontogenetic Influences on Muscle Density. FASEB Journal, 2020, 34, 1-1.	0.2	0
92	The Howl of Rancho La Brea: the functional morphology of Pleistocene canid hyoids. FASEB Journal, 2020, 34, 1-1.	0.2	0
93	Anatomical reorganization within the hand and forelimb of Perodicticus potto. FASEB Journal, 2020, 34, 1-1.	0.2	0
94	A Muscleâ€ fiber Comparison in New World Monkeys Based on Brain Size, Body Mass and Locomotor Style. FASEB Journal, 2020, 34, 1-1.	0.2	0