

# 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  | 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         |
| 2  | Effects of freezing and short-term fixation on muscle mass, volume, and density. <i>Anatomical Record</i> , 2022, 305, 199-208.   | 0.8 | 13        |
| 3  | Effects of long-term ethanol storage on muscle architecture. <i>Anatomical Record</i> , 2022, 305, 184-198.   | 0.8 | 8         |
| 4  | Review of sensory modalities of sirenians and the other extant Paenungulata clade. <i>Anatomical Record</i> , 2022, 305, 715-735.   | 0.8 | 5         |
| 5  | Functional and ecological correlates of the primate jaw abductors. <i>Anatomical Record</i> , 2022, 305, 1245-1263.   | 0.8 | 4         |
| 6  | 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        |
| 7  | 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        |
| 8  | 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         |
| 9  | 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         |
| 10 | Myological variation in the forearm anatomy of Callitrichidae and Lemuridae. <i>Journal of Anatomy</i> , 2021, 239, 669-681.  | 0.9 | 7         |
| 11 | Evaluating bony predictors of bite force across the order Carnivora. <i>Journal of Morphology</i> , 2021, 282, 1499-1513.   | 0.6 | 7         |
| 12 | Anatomical and ontogenetic influences on muscle density. <i>Scientific Reports</i> , 2021, 11, 2114.  | 1.6 | 7         |
| 13 | 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        |
| 14 | Dental Signatures for Exudatory in Living Primates, with Comparisons to Other Gouging Mammals. <i>Anatomical Record</i> , 2020, 303, 265-281.   | 0.8 | 53        |
| 15 | 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        |
| 16 | Scaling of Anatomically Derived Maximal Bite Force in Primates. <i>Anatomical Record</i> , 2020, 303, 2026-2035.  | 0.8 | 16        |
| 17 | DiceCT Analysis of the Extreme Gouging Adaptations Within the Masticatory Apparatus of the Ayeaye ( <i>Tupaia tupaia</i> ). <i>Journal of Morphology</i> , 2020, 282, 1499-1513.  | 0.8 | 14        |
| 18 | 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         |



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|----|--|-----|-----------|
| 37 | 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         |
| 38 | ?<i>Amphictis</i> (Carnivora, Ailuridae) from the Belgrade Formation of North Carolina, USA. PeerJ, 2020, 8, e9284.  | 0.9 | 3         |
| 39 | Extraordinary grip strength and specialized myology in the hyperâ€derived hand of Perodicticus potto ?. Journal of Anatomy, 2019, 235, 931-939.  | 0.9 | 49        |
| 40 | Visualization and Quantification of Digitally Dissected Muscle Fascicles in the Masticatory Muscles of Callithrix jacchus Using Nondestructive DiceCT. Anatomical Record, 2019, 302, 1891-1900.                  | 0.8 | 17        |
| 41 | Bite Force and Masticatory Muscle Architecture Adaptations in the Dietarily Diverse Musteloidea (Carnivora). Anatomical Record, 2019, 302, 2287-2299.  | 0.8 | 25        |
| 42 | Evolution of facial muscle anatomy in dogs. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14677-14681.   | 3.3 | 68        |
| 43 | Intraductal Adaptation of the 4T1 Mouse Model of Breast Cancer Reveals Effects of the Epithelial Microenvironment on Tumor Progression and Metastasis. Anticancer Research, 2019, 39, 2277-2287.                 | 0.5 | 19        |
| 44 | Reverse Dissection and DiceCT Reveal Otherwise Hidden Data in the Evolution of the Primate Face. Journal of Visualized Experiments, 2019, , .  | 0.2 | 2         |
| 45 | The Ontogeny of Masticatory Muscle Architecture in Microcebus murinus. FASEB Journal, 2019, 33, 615.6.   | 0.2 | 2         |
| 46 | Do Muscles Constrain Skull Shape Evolution in Strepsirrhines?. Anatomical Record, 2018, 301, 291-310.  | 0.8 | 31        |
| 47 | Dietary Correlates of Primate Masticatory Muscle Fiber Architecture. Anatomical Record, 2018, 301, 311-324.  | 0.8 | 28        |
| 48 | Behavioral Correlates of Cranial Muscle Functional Morphology. Anatomical Record, 2018, 301, 197-201.  | 0.8 | 8         |
| 49 | Scaling of Primate Forearm Muscle Architecture as It Relates to Locomotion and Posture. Anatomical Record, 2018, 301, 484-495.   | 0.8 | 66        |
| 50 | <scp>L</scp>eg <scp>M</scp>uscle <scp>A</scp>rchitecture in <scp>P</scp>rimates and <scp>I</scp>ts <scp>C</scp>orrelation with <scp>L</scp>ocomotion <scp>P</scp>atterns. Anatomical Record, 2018, 301, 515-527. | 0.8 | 23        |
| 51 | F unctional M orphology and B ehavioral C orrelates to P ostcranial M usculature. Anatomical Record, 2018, 301, 419-423.   | 0.8 | 5         |
| 52 | Applications of Augmented Reality in Informal Science Learning Sites: a Review. Journal of Science Education and Technology, 2018, 27, 433-447.  | 2.4 | 52        |
| 53 | The ligamentum teres femoris in orangutans. American Journal of Physical Anthropology, 2018, 167, 684-690.   | 2.1 | 3         |
| 54 | A relevant in vitro human model for the study of Zika virus antibody-dependent enhancement. Journal of General Virology, 2017, 98, 1702-1712.  | 1.3 | 29        |

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|----|--|-----|-----------|
| 55 | Diverse diets of the Mio-Pliocene carnivorans of Langebaanweg, South Africa. <i>South African Journal of Science</i> , 2016, 112, 14.  | 0.3 | 7         |
| 56 | 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        |
| 57 | 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        |
| 58 | Oral health correlates of captivity. <i>Research in Veterinary Science</i> , 2016, 107, 213-219.   | 0.9 | 26        |
| 59 | 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         |
| 60 | Left-right analysis of mammary gland development in retinoid X receptor-1 <sup>+</sup> mice. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150416.  | 1.8 | 6         |
| 61 | 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        |
| 62 | 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        |
| 63 | 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        |
| 64 | 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        |
| 65 | Cranio-mandibular signals of diet in adapids. <i>American Journal of Physical Anthropology</i> , 2015, 158, 646-662.   | 2.1 | 13        |
| 66 | Maximum ingested food size in captive anthropoids. <i>American Journal of Physical Anthropology</i> , 2015, 158, 92-104.   | 2.1 | 13        |
| 67 | 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        |
| 68 | 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        |
| 69 | Complete description of the skull and mandible of the giant mustelid <i>Emellivora 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        |
| 70 | Comparative Anatomy of Primates. , 2015, , 43-55.  |     | 0         |
| 71 | 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        |
| 72 | 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        |

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|----|---|-----|-----------|
| 73 | The Three-Dimensional Morphological Effects of Captivity. PLoS ONE, 2014, 9, e113437.   | 1.1 | 41        |
| 74 | Anatomy and Adaptations of the Chewing Muscles in <i>Daubentonia</i> (Lemuriformes). Anatomical Record, 2014, 297, 308-316.   | 0.8 | 21        |
| 75 | The cranial morphology of large captive versus wild felids (918.11). FASEB Journal, 2014, 28, 918.11.   | 0.2 | 2         |
| 76 | A new species of fox from the <i>Australopithecus sediba</i> type locality, Malapa, South Africa. Transactions of the Royal Society of South Africa, 2013, 68, 1-9.             | 0.8 | 20        |
| 77 | Hypercarnivory, durophagy or generalised carnivory in the Mio-Pliocene hyaenids of South Africa?. South African Journal of Science, 2013, 109, 10.                              | 0.3 | 9         |
| 78 | Body size in African Middle Pleistocene <i>Homo</i> . , 2012, , 319-346.  |     | 10        |
| 79 | The clavicles of <i>Smilodon fatalis</i> and <i>Panthera atrox</i> (mammalia: Felidae) from Rancho La Brea, Los Angeles, California. Journal of Morphology, 2012, 273, 981-991. | 0.6 | 11        |
| 80 | The role of tooth enamel mechanical properties in primate dietary adaptation. American Journal of Physical Anthropology, 2012, 148, 171-177.                                    | 2.1 | 43        |
| 81 | Bite Force Estimation and the Fiber Architecture of Felid Masticatory Muscles. Anatomical Record, 2012, 295, 1336-1351.   | 0.8 | 89        |
| 82 | Reconstructing the diets of extinct South African carnivorans from premolar "intercuspid notch" morphology. Journal of Zoology, 2011, 285, 119-127.                             | 0.8 | 23        |
| 83 | Adaptation to hard-object feeding in sea otters and hominins. Journal of Human Evolution, 2011, 61, 89-96.  | 1.3 | 72        |
| 84 | The Jaw Adductors of Strepsirrhines in Relation to Body Size, Diet, and Ingested Food Size. Anatomical Record, 2011, 294, 712-728.  | 0.8 | 73        |
| 85 | Intraspecific Variation in Maximum Ingested Food Size and Body Mass in <i>Varecia rubra</i> and <i>Propithecus coquereli</i> . Anatomy Research International, 2011, 2011, 1-8. | 1.1 | 9         |
| 86 | The Jaw Adductor Resultant and Estimated Bite Force in Primates. Anatomy Research International, 2011, 2011, 1-11.  | 1.1 | 22        |
| 87 | Carnivoran Remains from the Malapa Hominin Site, South Africa. PLoS ONE, 2011, 6, e26940.   | 1.1 | 26        |
| 88 | Maximum ingested food size in captive strepsirrhine primates: Scaling and the effects of diet. American Journal of Physical Anthropology, 2010, 142, 625-635.                   | 2.1 | 34        |
| 89 | The Plio-Pleistocene ancestor of wild dogs, <i>Lycaon sekowei</i> n. sp.. Journal of Paleontology, 2010, 84, 299-308.   | 0.5 | 46        |
| 90 | Primate Dental Enamel: What It Says about Diet. Frontiers of Oral Biology, 2009, 13, 44-48.   | 1.5 | 3         |

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|----|---|-----|-----------|
| 91 | 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        |
| 92 | Comparative anatomy of the felid masticatory system. <i>FASEB Journal</i> , 2007, 21, A85.  | 0.2 | 0         |
| 93 | Chewing muscle architecture and bite size in lemurs. <i>FASEB Journal</i> , 2007, 21, A85.  | 0.2 | 1         |
| 94 | Primate body mass and dietary correlates of tooth root surface area. <i>American Journal of Biological Anthropology</i> , 0, , .                              | 0.6 | 0         |