Casey Holliday

List of Publications by Year
in descending order

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54	2,019	236925 25	265206 42
papers	citations	h-index	g-index

55	55	55	1682
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Diffusible iodineâ€based contrastâ€enhanced computed tomography (diceCT): an emerging tool for rapid, highâ€resolution, 3â€D imaging of metazoan soft tissues. Journal of Anatomy, 2016, 228, 889-909.	1.5	362
2	Archosaur adductor chamber evolution: Integration of musculoskeletal and topological criteria in jaw muscle homology. Journal of Morphology, 2007, 268, 457-484.	1.2	191
3	New Insights Into Dinosaur Jaw Muscle Anatomy. Anatomical Record, 2009, 292, 1246-1265.	1.4	145
4	Cranial kinesis in dinosaurs: intracranial joints, protractor muscles, and their significance for cranial evolution and function in diapsids. Journal of Vertebrate Paleontology, 2008, 28, 1073-1088.	1.0	103
5	Cartilaginous Epiphyses in Extant Archosaurs and Their Implications for Reconstructing Limb Function in Dinosaurs. PLoS ONE, 2010, 5, e13120.	2.5	96
6	The epipterygoid of crocodyliforms and its significance for the evolution of the orbitotemporal region of eusuchians. Journal of Vertebrate Paleontology, 2009, 29, 715-733.	1.0	86
7	Trigeminal Nerve Morphology in Alligator mississippiensis and Its Significance for Crocodyliform Facial Sensation and Evolution. Anatomical Record, 2013, 296, 670-680.	1.4	82
8	A 3D Interactive Model and Atlas of the Jaw Musculature of Alligator mississippiensis. PLoS ONE, 2013, 8, e62806.	2.5	78
9	Free body analysis, beam mechanics, and finite element modeling of the mandible of Alligator mississippiensis. Journal of Morphology, 2011, 272, 910-937.	1.2	73
10	A New Eusuchian Crocodyliform with Novel Cranial Integument and Its Significance for the Origin and Evolution of Crocodylia. PLoS ONE, 2012, 7, e30471.	2.5	64
11	Ontogeny of the Alligator Cartilago Transiliens and Its Significance for Sauropsid Jaw Muscle Evolution. PLoS ONE, 2011, 6, e24935.	2.5	62
12	Cranial biomechanics of Diplodocus (Dinosauria, Sauropoda): testing hypotheses of feeding behaviour in an extinct megaherbivore. Die Naturwissenschaften, 2012, 99, 637-643.	1.6	50
13	Developmental exposure to bisphenol A (BPA) alters sexual differentiation in painted turtles (Chrysemys picta). General and Comparative Endocrinology, 2015, 216, 77-85.	1.8	49
14	Hydrodynamic performance of the minke whale (Balaenoptera acutorostrata) flipper. Journal of Experimental Biology, 2008, 211, 1859-1867.	1.7	43
15	Articular soft tissue anatomy of the archosaur hip joint: Structural homology and functional implications. Journal of Morphology, 2015, 276, 601-630.	1.2	42
16	The impact of bone and suture material properties on mandibular function in Alligator mississippiensis: testing theoretical phenotypes with finite element analysis. Journal of Anatomy, 2011, 218, 59-74.	1.5	37
17	An Osteological and Histological Investigation of Cranial Joints in Geckos. Anatomical Record, 2011, 294, 399-405.	1.4	36
18	Palatal Biomechanics and Its Significance for Cranial Kinesis in Tyrannosaurus rex. Anatomical Record, 2020, 303, 999-1017.	1.4	34

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19	The Frontoparietal Fossa and Dorsotemporal Fenestra of Archosaurs and Their Significance for Interpretations of Vascular and Muscular Anatomy in Dinosaurs. Anatomical Record, 2020, 303, 1060-1074.	1.4	32
20	A <scp>3D ontogenetic atlas of Alligator mississippiensis cranial nerves and their significance for comparative neurology of reptiles</scp>. Anatomical Record, 2022, 305, 2854-2882.	1.4	32
21	Morphology and diversity of the mandibular symphysis of archosauriforms. Geological Society Special Publication, 2013, 379, 555-571.	1.3	31
22	Ontogeny of bite force in a validated biomechanical model of the American alligator. Journal of Experimental Biology, 2017, 220, 2036-2046.	1.7	31
23	Microanatomy of the Mandibular Symphysis in Lizards: Patterns in Fiber Orientation and Meckel's Cartilage and Their Significance in Cranial Evolution. Anatomical Record, 2010, 293, 1350-1359.	1.4	30
24	Cephalic vascular anatomy in flamingos (Phoenicopterus ruber) based on novel vascular injection and computed tomographic imaging analyses. The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology, 2006, 288A, 1031-1041.	2.0	28
25	Hip joint articular soft tissues of non-dinosaurian Dinosauromorpha and early Dinosauria: evolutionary and biomechanical implications for Saurischia. Journal of Vertebrate Paleontology, 2018, 38, e1427593.	1.0	28
26	Evidence of proteins, chromosomes and chemical markers of DNA in exceptionally preserved dinosaur cartilage. National Science Review, 2020, 7, 815-822.	9.5	27
27	3D Muscle Architecture of the Pectoral Muscles of European Starling (Sturnus vulgaris). Integrative Organismal Biology, 2019, 1, oby010.	1.8	25
28	The effects of the organopollutant PCB 126 on bone density in juvenile diamondback terrapins (Malaclemys terrapin). Aquatic Toxicology, 2012, 109, 228-233.	4.0	14
29	Cranial joint histology in the mallard duck (Anas platyrhynchos): new insights on avian cranial kinesis. Journal of Anatomy, 2017, 230, 444-460.	1.5	14
30	The significance of enamel thickness in the teeth of Alligator mississippiensis and its diversity among crocodyliforms. Journal of Zoology, 2019, 309, 172-181.	1.7	13
31	Joint histology in Alligator mississippiensis challenges the identification of synovial joints in fossil archosaurs and inferences of cranial kinesis. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170038.	2.6	12
32	The roles of joint tissues and jaw muscles in palatal biomechanics of the Savannah monitor (Varanus exanthematicus) and their significance for cranial kinesis. Journal of Experimental Biology, 2019, 222, .	1.7	12
33	More than one way to be a giant: Convergence and disparity in the hip joints of saurischian dinosaurs. Evolution; International Journal of Organic Evolution, 2020, 74, 1654-1681.	2.3	12
34	Biomechanical performance of the cranioâ€mandibular complex of the small notosuchian Araripesuchus gomesii (Notosuchia, Uruguaysuchidae). Anatomical Record, 2022, 305, 2695-2707.	1.4	10
35	Anatomy and Ontogeny of the Mandibular Symphysis in <scp>Alligator mississippiensis</scp>. Anatomical Record, 2019, 302, 1696-1708.	1.4	8
36	New frontiers in imaging, anatomy, and mechanics of crocodylian jaw muscles. Anatomical Record, 2022, 305, 3016-3030.	1.4	8

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37	The effects of skull flattening on suchian jaw muscle evolution. Anatomical Record, 2022, 305, 2791-2822.	1.4	6
38	Septal deviation in the nose of the longest faced crocodylian: A description of nasal anatomy and airflow in the Indian gharial (Gavialis gangeticus) with comments on acoustics. Anatomical Record, 2021, , .	1.4	5
39	2D and 3D visualizations of archosaur jaw muscle mechanics, ontogeny and phylogeny using ternary diagrams and 3D modeling. Journal of Experimental Biology, 2022, 225, .	1.7	4
40	Correlation between increased postpubertal phallic growth and the initiation of cranial sexual dimorphisms in male Morelet's crocodile. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2019, 331, 562-570.	1.9	2
41	Ecomorphology and Morphological Diversity of Trigeminal Nerveâ€mediated Somatosensation in Sauropsids. FASEB Journal, 2021, 35, .	0.5	1
42	Modeling cranial biomechanics in archosaurs using 3D computational methods (17.5). FASEB Journal, 2014, 28, 17.5.	0.5	1
43	Trigeminal Nerve Morphology in Alligator Mississippiensis and Its Significance for Crocodyliform Facial Sensation. The Paleontological Society Special Publications, 2014, 13, 89-89.	0.0	0
44	Furcula Diversity Within the Avian Flight Apparatus. FASEB Journal, 2021, 35, .	0.5	0
45	Skull Shape, Muscle Orientation, and Joint Loading in a Biomechanical Transformation: Evolution of the Suchian Skull. FASEB Journal, 2021, 35, .	0.5	0
46	MICROANATOMY OF THE MANDIBULAR SYMPHYSIS IN LIZARDS. FASEB Journal, 2010, 24, 636.2.	0.5	0
47	Form, function, and evolution of archosaur mandibular symphyses. FASEB Journal, 2013, 27, 79.6.	0.5	0
48	Solutions for gigantism: evolutionary and biomechanical implications of dinosaur hip joint soft tissues. FASEB Journal, 2015, 29, 351.4.	0.5	0
49	PMJs and TMJs: convergence in the craniomandibular joints of crocodilians and mammals. FASEB Journal, 2015, 29, 351.2.	0.5	0
50	Biomechanics and the Evolution of the Crocodyliform Skull. FASEB Journal, 2017, 31, 579.1.	0.5	0
51	Design of a multiâ€use new anatomy facility: prioritizing medical student education in a patientâ€based learning curriculum. FASEB Journal, 2018, 32, 633.2.	0.5	0
52	New Imaging Approaches Enable Visualization of 3D Musculoskeletal Anatomy of African Whiteâ€bellied Pangolin. FASEB Journal, 2019, 33, 613.8.	0.5	0
53	3D Anatomy and Muscle Architecture of the Human Hand: new approaches for imaging and education. FASEB Journal, 2019, 33, 453.5.	0.5	0
54	3D Analysis of Primate Neck Anatomy using Contrastâ€Enhanced CT Imaging, Fascicleâ€Tracking Algorithms, and Muscle Mechanics. FASEB Journal, 2019, 33, 612.1.	0.5	0