# Anthony Herrel

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7655829/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 480 papers | 16,920 citations | 20817 60 h-index | 40979 93 g-index |
| 498 all docs | 498 docs citations | 498 times ranked | 8424 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Functional correlates of skull shape in Chiroptera: feeding and echolocation adaptations. Integrative Zoology, 2022, 17, 430-442. | 2.6 | 19 |
| 2 | The ecology of sleep in nonâ€avian reptiles. Biological Reviews, 2022, 97, 505-526. | 10.4 | 10 |
| 3 | Relationships between dietary breadth and flexibility in jaw movement: A case study of two recently diverged insular populations of Podarcis lizards. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2022, 265, 111140. | 1.8 | 2 |
| 4 | The relationship between head shape, head musculature and bite force in caecilians (Amphibia:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 | 1.7 | 5 |
| 5 | Do male panther chameleons use different aspects of color change to settle disputes?. Die Naturwissenschaften, 2022, 109, 13. | 1.6 | 4 |
| 6 | Body condition and jumping predict initial survival in a replicated island introduction experiment. Biological Journal of the Linnean Society, 2022, 135, 490-498. | 1.6 | 3 |
| 7 | Development and function explain the modular evolution of phalanges in gecko lizards. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20212300. | 2.6 | 5 |
| 8 | Machine learning accurately predicts the multivariate performance phenotype from morphology in lizards. PLoS ONE, 2022, 17, e0261613. | 2.5 | 3 |
| 9 | The effect of captivity on craniomandibular and calcaneal ontogenetic trajectories in wild boar. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2022, 338, 575-585. | 1.3 | 4 |
| 10 | The Terrific Skink bite force suggests insularity as a likely driver to exceptional resource use. Scientific Reports, 2022, 12, 4596. | 3.3 | 2 |
| 11 | Regional differences in vertebral shape along the axial skeleton in caecilians (Amphibia: Gymnophiona). Journal of Anatomy, 2022, , . | 1.5 | 3 |
| 12 | Unravelling the structural variation of lizard osteoderms. Acta Biomaterialia, 2022, 146, 306-316. | 8.3 | 6 |
| 13 | Unexpected morphological diversity in ancient dogs compared to modern relatives. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20220147. | 2.6 | 5 |
| 14 | Evidence of attack deflection suggests adaptive evolution of wing tails in butterflies. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, . | 2.6 | 6 |
| 15 | Every hooked beak is maintained by a prey: Ecological signal in cephalopod beak shape. Functional Ecology, 2022, 36, 2015-2028. | 3.6 | 6 |
| 16 | Is vertebral shape variability in caecilians (Amphibia: Gymnophiona) constrained by forces experienced during burrowing?. Journal of Experimental Biology, 2022, 225, . | 1.7 | 2 |
| 17 | Bite force in the strictly subterranean rodent family of African moleâ€rats (Bathyergidae): The role of digging mode, social organization and ecology. Functional Ecology, 2022, 36, 2344-2355. | 3.6 | 5 |
| 18 | Tooth-shape adaptations in aglyphous colubrid snakes inferred from three-dimensional geometric morphometrics and finite element analysis. Zoological Journal of the Linnean Society, 2021, 191, 454-467. | 2.3 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | How Changes in Functional Demands Associated with Captivity Affect the Skull Shape of a Wild Boar (Sus scrofa). Evolutionary Biology, 2021, 48, 27-40. | 1.1 | 16 |
| 20 | Body size miniaturization in a lineage of colubrid snakes: Implications for cranial anatomy. Journal of Anatomy, 2021, 238, 131-145. | 1.5 | 3 |
| 21 | Population increase and changes in behavior and morphology in the Critically Endangered Redonda ground lizard ( Pholidoscelis atratus ) following the successful removal of alien rats and goats. Integrative Zoology, 2021, 16, 379-389. | 2.6 | 14 |
| 22 | Ecophysiological models for global invaders: Is Europe a big playground for the African clawed frog?. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2021, 335, 158-172. | 1.9 | 5 |
| 23 | Assessing occupancy and activity of two invasive carnivores in two Caribbean islands: implications for insular ecosystems. Journal of Zoology, 2021, 313, 182-194. | 1.7 | 8 |
| 24 | Movement analysis of primate molar teeth under load using synchrotron X-ray microtomography. Journal of Structural Biology, 2021, 213, 107658. | 2.8 | 7 |
| 25 | The morphology and evolution of chondrichthyan cranial muscles: A digital dissection of the elephantfish Callorhinchus milii and the catshark Scyliorhinus canicula. Journal of Anatomy, 2021, 238, 1082-1105. | 1.5 | 9 |
| 26 | 3D models related to the publication: The morphology and evolution of chondrichthyan cranial muscles: a digital dissection of the elephantfish Callorhinchus milii and the catshark Scyliorhinus canicula. MorphoMuseuM, 2021, 7, e133. | 0.2 | 3 |
| 27 | Increased performance in juvenile baboons is consistent with ontogenetic changes in morphology. American Journal of Physical Anthropology, 2021, 175, 546-558. | 2.1 | 5 |
| 28 | Masticatory system integration in a commensal canid: interrelationships between bones, muscles and bite force in the red fox. Journal of Experimental Biology, 2021, 224, . | 1.7 | 7 |
| 29 | Comparative cranial biomechanics in two lizard species: impact of variation in cranial design. Journal of Experimental Biology, 2021, 224, . | 1.7 | 14 |
| 30 | Constraints associated with captivity alter craniomandibular integration in wild boar. Journal of Anatomy, 2021, 239, 489-497. | 1.5 | 7 |
| 31 | Transcriptomic analysis of the trade-off between endurance and burst-performance in the frog Xenopus allofraseri. BMC Genomics, 2021, 22, 204. | 2.8 | 1 |
| 32 | Revision of the muscular anatomy of the paired fins of the living coelacanth Latimeria chalumnae (Sarcopterygii: Actinistia). Biological Journal of the Linnean Society, 2021, 133, 949-989. | 1.6 | 2 |
| 33 | Exploring the behavioral reactions to a mirror in the nocturnal grey mouse lemur: sex differences in avoidance. PeerJ, 2021, 9, e11393. | 2.0 | 1 |
| 34 | The contribution of functional traits to the understanding of palaeoenvironmental changes. Biological Journal of the Linnean Society, 2021, 133, 1110-1125. | 1.6 | 1 |
| 35 | Underwater photogrammetry for closeâ€range 3D imaging of dryâ€sensitive objects: The case study of cephalopod beaks. Ecology and Evolution, 2021, 11, 7730-7742. | 1.9 | 2 |
| 36 | Regional Patterning in Tail Vertebral Form and Function in Chameleons (Chamaeleo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (caly | 2.0 | 3 |

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|---|---|---|---|
| 37 | An aerodynamic perspective on hurricaneâ€induced selection on Anolis lizards. Functional Ecology, 2021, 35, 2026-2032. | 3.6 | 7 |
| 38 | The relationship between bite force, morphology, and diet in southern African agamids. Bmc Ecology and Evolution, 2021, 21, 126. | 1.6 | 1 |
| 39 | Drivers and patterns of bite force evolution in liolaemid lizards. Biological Journal of the Linnean Society, 2021, 134, 126-140. | 1.6 | 6 |
| 40 | Burrowing in blindsnakes: A preliminary analysis of burrowing forces and consequences for the evolution of morphology. Anatomical Record, 2021, 304, 2292-2302. | 1.4 | 11 |
| 41 | THE ANOLES OF LA SELVA: NICHE PARTITIONING AND ECOLOGICAL MORPHOLOGY IN A MAINLAND COMMUNITY OF ANOLIS LIZARDS. Breviora, 2021, 570, . | 0.5 | 1 |
| 42 | Maternal and genetic correlations between morphology and physical performance traits in a small captive primate,Microcebus murinus. Biological Journal of the Linnean Society, 2021, 134, 28-39. | 1.6 | 6 |
| 43 | Conserved role of the urotensin II receptor 4 signalling pathway to control body straightness in a tetrapod. Open Biology, 2021, 11, 210065. | 3.6 | 9 |
| 44 | From micro to macroevolution: drivers of shape variation in an island radiation ofPodarcislizards*. Evolution; International Journal of Organic Evolution, 2021, 75, 2685-2707. | 2.3 | 8 |
| 45 | Humans and climate as possible drivers of the morphology and function of the mandible of Suncus etruscus in Corsica. Journal of Archaeological Science, 2021, 132, 105434. | 2.4 | 1 |
| 46 | The Evolution of Appendicular Muscles During the Fin-to-Limb Transition: Possible Insights Through Studies of Soft Tissues, a Perspective. Frontiers in Ecology and Evolution, 2021, 9, . | 2.2 | 4 |
| 47 | Under pressure: the relationship between cranial shape and burrowing force in caecilians (Gymnophiona). Journal of Experimental Biology, 2021, 224, . | 1.7 | 7 |
| 48 | Lizard osteoderms â€“ Morphological characterisation, biomimetic designÂand manufacturing based on three species. Bioinspiration and Biomimetics, 2021, 16, 066011. | 2.9 | 6 |
| 49 | Development and growth of the pelvic fin in the extant coelacanth Latimeria chalumnae. Anatomical Record, 2021, 304, 541-558. | 1.4 | 4 |
| 50 | Does the spatial sorting of dispersal traits affect the phenotype of the non-dispersing stages of the invasive frogXenopus laevisthrough coupling?. Biological Journal of the Linnean Society, 2021, 132, 257-269. | 1.6 | 6 |
| 51 | When adaptive radiations collide: Different evolutionary trajectories between and within island and mainland lizard clades. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 13 |
| 52 | Contribution of bone-reverberated waves to sound localization of dolphins: A numerical model. Acta Acustica, 2021, 5, 3. | 1.0 | 2 |
| 53 | Development and growth of the pectoral girdle and fin skeleton in the extant coelacanth Latimeria chalumnae. Journal of Anatomy, 2020, 236, 493-509. | 1.5 | 10 |
| 54 | The Forearm Musculature of the Gray Mouse Lemur (Microcebus murinus): An Ontogenetic Study. Anatomical Record, 2020, 303, 1354-1363. | 1.4 | 9 |

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|---|---|---|---|
| 55 | The Ontogeny of Masticatory Muscle Architecture in Microcebus murinus. Anatomical Record, 2020, 303, 1364-1373. | 1.4 | 16 |
| 56 | A primate with a Panda's thumb: The anatomy of the pseudothumb of Daubentonia madagascariensis. American Journal of Physical Anthropology, 2020, 171, 8-16. | 2.1 | 8 |
| 57 | Is variation in tail vertebral morphology linked to habitat use in chameleons?. Journal of Morphology, 2020, 281, 229-239. | 1.2 | 11 |
| 58 | The globally invasive small Indian mongoose Urva auropunctata is likely to spread with climate change. Scientific Reports, 2020, 10, 7461. | 3.3 | 24 |
| 59 | Reconstructing the functional traits of the horses from the tomb of King Childeric. Journal of Archaeological Science, 2020, 121, 105200. | 2.4 | 3 |
| 60 | Proximate and ultimate drivers of variation in bite force in the insular lizardsPodarcis melisellensisandPodarcis sicula. Biological Journal of the Linnean Society, 2020, 131, 88-108. | 1.6 | 10 |
| 61 | Do female frogs have higher resting metabolic rates than males? A case study with Xenopus allofraseri. Journal of Zoology, 2020, 312, 221-226. | 1.7 | 7 |
| 62 | The mark of captivity: plastic responses in the ankle bone of a wild ungulate ( Sus scrofa ). Royal Society Open Science, 2020, 7, 192039. | 2.4 | 30 |
| 63 | Do muscle contractile properties drive differences in locomotor performance in invasive populations of Xenopus laevis in France?. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2020, 190, 771-778. | 1.5 | 6 |
| 64 | Interrelations Between the Cranium, the Mandible and Muscle Architecture in Modern Domestic Dogs. Evolutionary Biology, 2020, 47, 308-324. | 1.1 | 7 |
| 65 | The colour of success: does female mate choice rely on male colour change in the chameleon Furcifer pardalis?. Journal of Experimental Biology, 2020, 223, . | 1.7 | 9 |
| 66 | Exploring the functional meaning of head shape disparity in aquatic snakes. Ecology and Evolution, 2020, 10, 6993-7005. | 1.9 | 12 |
| 67 | Investigating the impact of captivity and domestication on limb bone cortical morphology: an experimental approach using a wild boar model. Scientific Reports, 2020, 10, 19070. | 3.3 | 27 |
| 68 | Rapid Dietary Shift inPodarcis siculusResulted in Localized Changes in Gut Function. Physiological and Biochemical Zoology, 2020, 93, 396-415. | 1.5 | 14 |
| 69 | Trade-offs between burrowing and biting force in fossorial scincid lizards?. Biological Journal of the Linnean Society, 2020, 130, 310-319. | 1.6 | 14 |
| 70 | How Does Masticatory Muscle Architecture Covary with Mandibular Shape in Domestic Dogs?. Evolutionary Biology, 2020, 47, 133-151. | 1.1 | 14 |
| 71 | Ontogeny of locomotion in mouse lemurs: Implications for primate evolution. Journal of Human Evolution, 2020, 142, 102732. | 2.6 | 8 |
| 72 | Recent biological invasion shapes species recognition and aggressive behaviour in a native species: A behavioural experiment using robots in the field. Journal of Animal Ecology, 2020, 89, 1604-1614. | 2.8 | 5 |

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|---|---|---|---|
| 73 | Morphology, locomotor performance and habitat use in southern African agamids. Biological Journal of the Linnean Society, 2020, 130, 166-177. | 1.6 | 10 |
| 74 | Bite force and its relation to jaw shape in domestic dogs. Journal of Experimental Biology, 2020, 223, . | 1.7 | 17 |
| 75 | Epigenetics in ecology and evolution. Functional Ecology, 2020, 34, 381-384. | 3.6 | 20 |
| 76 | The Soft-Tissue Anatomy of the Highly Derived Hand ofPerodicticusRelative to the More GeneralisedNycticebus. , 2020, , 76-96. | | 4 |
| 77 | The only complete articulated early Miocene chameleon skull (Rusinga Island, Kenya) suggests an African origin for Madagascarâ€™s endemic chameleons. Scientific Reports, 2020, 10, 109. | 3.3 | 12 |
| 78 | New Insights into Bite Performance: Morphological Trade-Offs Underlying the Duration and Magnitude of Bite Force. Physiological and Biochemical Zoology, 2020, 93, 175-184. | 1.5 | 10 |
| 79 | Rapid Shifts in the Temperature Dependence of Locomotor Performance in an Invasive Frog,Xenopus laevis, Implications for Conservation. Integrative and Comparative Biology, 2020, 60, 456-466. | 2.0 | 17 |
| 80 | Hurricane effects on Neotropical lizards span geographic and phylogenetic scales. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10429-10434. | 7.1 | 43 |
| 81 | Rapid and repeated divergence of animal chemical signals in an island introduction experiment. Journal of Animal Ecology, 2020, 89, 1458-1467. | 2.8 | 12 |
| 82 | EthoLoop: automated closed-loop neuroethology in naturalistic environments. Nature Methods, 2020, 17, 1052-1059. | 19.0 | 53 |
| 83 | Additions to the phylogeny of colubrine snakes in Southwestern Asia, with description of a new genus and species (Serpentes: Colubridae: Colubrinae). PeerJ, 2020, 8, e9016. | 2.0 | 5 |
| 84 | Strategies of food detection in a captive cathemeral lemur, Eulemur rubriventer. Belgian Journal of Zoology, 2020, 145, . | 0.5 | 2 |
| 85 | Anatomical reorganization within the hand and forelimb of Perodicticus potto. FASEB Journal, 2020, 34, 1-1. | 0.5 | 0 |
| 86 | Habitat shapes the thermoregulation of Mediterranean lizards introduced to replicate experimental islets. Journal of Thermal Biology, 2019, 84, 368-374. | 2.5 | 9 |
| 87 | Allocation tradeâ€offs impact organ size and muscle architecture in an invasive population of Xenopus laevis in Western France. Journal of Anatomy, 2019, 235, 1057-1064. | 1.5 | 6 |
| 88 | Extraordinary grip strength and specialized myology in the hyperâ€derived hand of Perodicticus potto ?. Journal of Anatomy, 2019, 235, 931-939. | 1.5 | 49 |
| 89 | Current and future climatic regions favourable for a globally introduced wild carnivore, the raccoon Procyon lotor. Scientific Reports, 2019, 9, 9174. | 3.3 | 26 |
| 90 | Ecomorphological diversification in squamates from conserved pattern of cranial integration. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14688-14697. | 7.1 | 111 |

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|---|---|---|---|
| 91 | Conserved growth rate and age structure of Xenopus laevis in the edge and core of an expanding population. Biological Journal of the Linnean Society, 2019, 128, 122-129. | 1.6 | 7 |
| 92 | Seasonal variation in diet and prey availability in the wall lizardPodarcis vaucheri(Boulenger, 1905) from the Djurdjura Mountains, northern Algeria. African Journal of Herpetology, 2019, 68, 18-32. | 0.9 | 4 |
| 93 | Unravelling the hybrid vigor in domestic equids: the effect of hybridization on bone shape variation and covariation. BMC Evolutionary Biology, 2019, 19, 188. | 3.2 | 17 |
| 94 | Diet variability among insular populations of Podarcis lizards reveals diverse strategies to face resourceâ€limited environments. Ecology and Evolution, 2019, 9, 12408-12420. | 1.9 | 18 |
| 95 | The role of bite force in the evolution of head shape and head shape dimorphism in Anolis lizards. Functional Ecology, 2019, 33, 2191-2202. | 3.6 | 11 |
| 96 | Do the relationships between hind limb anatomy and sprint speed variation differ between sexes inAnolislizards?. Journal of Experimental Biology, 2019, 222, . | 1.7 | 11 |
| 97 | Ontogeny of food grasping in mouse lemurs: behavior, morphology and performance. Journal of Zoology, 2019, 308, 1-8. | 1.7 | 11 |
| 98 | Acclimation temperature effects on locomotor traits in adult aquatic anurans (X. tropicalis and X.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 7 | |
| 99 | 3D Photogrammetry of Bat Skulls: Perspectives for Macro-evolutionary Analyses. Evolutionary Biology, 2019, 46, 249-259. | 1.1 | 36 |
| 100 | Rapid changes in dispersal on a small spatial scale at the range edge of an expanding population. Evolutionary Ecology, 2019, 33, 599-612. | 1.2 | 20 |
| 101 | Parallel increases in grip strength in two species of Anolis lizards after a major hurricane on Dominica. Journal of Zoology, 2019, 309, 77-83. | 1.7 | 16 |
| 102 | A digital dissection of two teleost fishes: comparative functional anatomy of the cranial musculoskeletal system in pike ( Esox lucius ) and eel ( Anguilla anguilla ). Journal of Anatomy, 2019, 235, 189-204. | 1.5 | 8 |
| 103 | Hoatzin nestling locomotion: Acquisition of quadrupedal limb coordination in birds. Science Advances, 2019, 5, eaat0787. | 10.3 | 16 |
| 104 | Functional diversity in biters: the evolutionary morphology of the oral jaw system in pacus, piranhas and relatives (Teleostei: Serrasalmidae). Biological Journal of the Linnean Society, 2019, 127, 722-741. | 1.6 | 16 |
| 105 | Morphometric models for estimating bite force in Mus and Rattus: mandible shape and size do better than lever-arm ratios. Journal of Experimental Biology, 2019, 222, . | 1.7 | 8 |
| 106 | Feeding, a Tool to Understand Vertebrate Evolution Introduction to â€œFeeding in Vertebratesâ€• Fascinating Life Sciences, 2019, , 1-18. | 0.9 | 5 |
| 107 | Feeding in Amphibians: Evolutionary Transformations and Phenotypic Diversity as Drivers of Feeding System Diversity. Fascinating Life Sciences, 2019, , 431-467. | 0.9 | 8 |
| 108 | Feeding in Snakes: Form, Function, and Evolution of the Feeding System. Fascinating Life Sciences, 2019, , 527-574. | 0.9 | 33 |

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|---|---|---|---|
| 109 | Functional relationship between myology and ecology in carnivores: do forelimb muscles reflect adaptations to prehension?. Biological Journal of the Linnean Society, 2019, 127, 661-680. | 1.6 | 19 |
| 110 | Neurocranial development of the coelacanth and the evolution of the sarcopterygian head. Nature, 2019, 569, 556-559. | 27.8 | 35 |
| 111 | Cranial kinesis in the miniaturised lizardAblepharus kitaibelii(Squamata: Scincidae). Journal of Experimental Biology, 2019, 222, . | 1.7 | 10 |
| 112 | Adaptation of the vertebral inner structure to an aquatic life in snakes: Pachyophiid peculiarities in comparison to extant and extinct forms. Comptes Rendus - Palevol, 2019, 18, 783-799. | 0.2 | 8 |
| 113 | Heritability and genetic correlations of personality, life history and morphology in the grey mouse lemur ( Microcebus murinus ). Royal Society Open Science, 2019, 6, 190632. | 2.4 | 11 |
| 114 | Hydrodynamics of frontal striking in aquatic snakes: drag, added mass, and the possible consequences for prey capture success. Bioinspiration and Biomimetics, 2019, 14, 036005. | 2.9 | 14 |
| 115 | The Ontogeny of Masticatory Muscle Architecture in Microcebus murinus. FASEB Journal, 2019, 33, 615.6. | 0.5 | 2 |
| 116 | Drivers of in vivo bite performance in wild brown mouse lemurs and a comparison with the grey mouse lemur. Journal of Zoology, 2018, 305, 180-187. | 1.7 | 4 |
| 117 | Assessing the impacts of the invasive frog, Xenopus laevis, onÂamphibians in western France. Amphibia - Reptilia, 2018, 39, 219-227. | 0.5 | 16 |
| 118 | Frog tendon structure and its relationship with locomotor modes. Journal of Morphology, 2018, 279, 895-903. | 1.2 | 8 |
| 119 | Differences in standard metabolic rate at the range edge versus the center of an expanding invasive population of Xenopus laevis in the West of France. Journal of Zoology, 2018, 305, 163-172. | 1.7 | 15 |
| 120 | Differential influences of allometry, phylogeny and environment on the rostral shape diversity of extinct South American notoungulates. Royal Society Open Science, 2018, 5, 171816. | 2.4 | 11 |
| 121 | Ecological character displacement between a native and an introduced species: the invasion of Anolis cristatellus in Dominica. Biological Journal of the Linnean Society, 2018, 123, 43-54. | 1.6 | 19 |
| 122 | Hearing capacities and morphology of the auditory system in Serrasalmidae (Teleostei: Otophysi). Scientific Reports, 2018, 8, 1281. | 3.3 | 13 |
| 123 | Skull Size and Biomechanics are Good Estimators of In Vivo Bite Force in Murid Rodents. Anatomical Record, 2018, 301, 256-266. | 1.4 | 27 |
| 124 | <scp>A</scp>natomical <scp>B</scp>asis of <scp>D</scp>ifferences in <scp>L</scp>ocomotor <scp>B</scp>ehavior in <scp>M</scp>artens: <scp>A</scp><scp>C</scp>omparison of the <scp>F</scp>orelimb <scp>M</scp>usculature <scp>B</scp>etween <scp>T</scp>wo <scp>S</scp>ympatric <scp>S</scp>pecies of Martes. Anatomical Record, 2018, 301, 449-472. | 1.4 | 25 |
| 125 | <scp>D</scp>oes the <scp>M</scp>orphology of the <scp>F</scp>orelimb <scp>F</scp>lexor <scp>M</scp>uscles <scp>D</scp>iffer <scp>B</scp>etween <scp>L</scp>izards <scp>U</scp>sing <scp>D</scp>ifferent <scp>H</scp>abitats?. Anatomical Record, 2018, 301, 424-433. | 1.4 | 12 |
| 126 | The ecological origins of snakes as revealed by skull evolution. Nature Communications, 2018, 9, 376. | 12.8 | 94 |

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|---|---|---|---|
| 127 | The impact of artificial selection on morphological integration in the appendicular skeleton of domestic horses. Journal of Anatomy, 2018, 232, 657-673. | 1.5 | 19 |
| 128 | Swimmers, Diggers, Climbers and More, a Study of Integration Across the Mustelidsâ€™ Locomotor Apparatus (Carnivora: Mustelidae). Evolutionary Biology, 2018, 45, 182-195. | 1.1 | 28 |
| 129 | Vertical Locomotion in Micromys minutus (Rodentia: Muridae): Insights into the Evolution of Eutherian Climbing. Journal of Mammalian Evolution, 2018, 25, 277-289. | 1.8 | 10 |
| 130 | The evolution of bite force in horned lizards: the influence of dietary specialization. Journal of Anatomy, 2018, 232, 214-226. | 1.5 | 22 |
| 131 | Broader head, stronger bite: In vivo bite forces in European eel <scp>Anguilla anguilla</scp>. Journal of Fish Biology, 2018, 92, 268-273. | 1.6 | 7 |
| 132 | Sexual dimorphism, bite force and diet in the diamondback terrapin. Journal of Zoology, 2018, 304, 217-224. | 1.7 | 21 |
| 133 | Distinctive accumulation patterns of heavy metals in Sardinella aurita (Clupeidae) and Mugil cephalus (Mugilidae) tissues. Environmental Science and Pollution Research, 2018, 25, 2623-2629. | 5.3 | 14 |
| 134 | Relative size variation of the otoliths, swim bladder, and Weberian apparatus structures in piranhas and pacus (Characiformes: Serrasalmidae) with different ecologies and its implications for the detection of sound stimuli. Journal of Morphology, 2018, 279, 1849-1871. | 1.2 | 7 |
| 135 | Bite force and cranial bone strain in four species of lizards. Journal of Experimental Biology, 2018, 221, . | 1.7 | 10 |
| 136 | Partial homologies between sleep states in lizards, mammals, and birds suggest a complex evolution of sleep states in amniotes. PLoS Biology, 2018, 16, e2005982. | 5.6 | 50 |
| 137 | The effect of recent competition between the nativeAnolis oculatusand the invasiveA. cristatelluson display behavior. PeerJ, 2018, 6, e4888. | 2.0 | 10 |
| 138 | Molecular evidence for the paraphyly of Scolecophidia and its evolutionary implications. Journal of Evolutionary Biology, 2018, 31, 1782-1793. | 1.7 | 52 |
| 139 | Changes in the aquatic macroinvertebrate communities throughout the expanding range of an invasive anuran. Food Webs, 2018, 17, e00098. | 1.2 | 12 |
| 140 | INTRAMUSCULAR ADMINISTRATION OF KETAMINE-MEDETOMIDINE ASSURES STABLE ANAESTHESIA NEEDED FOR LONG-TERM SURGERY IN THE ARGENTINE TEGUSALVATOR MERIANAE. Journal of Zoo and Wildlife Medicine, 2018, 49, 291-296. | 0.6 | 9 |
| 141 | Evolving Teeth Within a Stable Masticatory Apparatus in Orkney Mice. Evolutionary Biology, 2018, 45, 405-424. | 1.1 | 14 |
| 142 | Neurocranium shape variation of piranhas and pacus (Characiformes: Serrasalmidae) in association with ecology and phylogeny. Biological Journal of the Linnean Society, 2018, 125, 93-114. | 1.6 | 5 |
| 143 | Hurricane-induced selection on the morphology of an island lizard. Nature, 2018, 560, 88-91. | 27.8 | 108 |
| 144 | Loss of Axon Bifurcation in Mesencephalic Trigeminal Neurons Impairs the Maximal Biting Force in Npr2-Deficient Mice. Frontiers in Cellular Neuroscience, 2018, 12, 153. | 3.7 | 23 |

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|---|---|---|---|
| 145 | Phenotypic plasticity of Drosophila suzukii wing to developmental temperature: implications for flight. Journal of Experimental Biology, 2018, 221, . | 1.7 | 54 |
| 146 | Personality and performance are affected by age and early life parameters in a small primate. Ecology and Evolution, 2018, 8, 4598-4605. | 1.9 | 18 |
| 147 | Ontogenetic and life history trait changes associated with convergent ecological specializations in extinct ungulate mammals. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1069-1074. | 7.1 | 30 |
| 148 | Differences in mobility at the range edge of an expanding invasive population of Xenopus laevis in the west of France. Journal of Experimental Biology, 2017, 220, 278-283. | 1.7 | 35 |
| 149 | Variation in brain anatomy in frogs and its possible bearing on their locomotor ecology. Journal of Anatomy, 2017, 231, 38-58. | 1.5 | 18 |
| 150 | The Curious Case of the Left-Sided Dewlap: Directional Asymmetry In the CuraÃ§ao Anole,Anolis lineatus. Breviora, 2017, 553, 1-7. | 0.5 | 2 |
| 151 | Arboreality in acacia rats (Thallomys paedulcus; Rodentia, Muridae): gaits and gait metrics. Journal of Zoology, 2017, 303, 107-119. | 1.7 | 19 |
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