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Verified Reviews

Reviewer Summary

For manuscripts reviewed from date range February 2016 - February 2024

(109) Journal of Vertebrate Paleonto...	(5) Palaeontology
(4) Nature Ecology & Evolution	(4) PeerJ
(4) Journal of Anatomy	(3) Proceedings of the Royal Society ...
(3) Cretaceous Research	(3) Zoological Journal of the Linnea...
(2) Alcheringa	(2) Papers in Palaeontology
(2) The Anatomical Record	(2) Ameghiniana
(1) Journal of Systematic Palaeontol...	(1) Ecology and Evolution
(1) Royal Society Open Science	(1) Frontiers in Earth Science
(1) Biological Journal of the Linnean...	(1) Journal of Insect Biodiversity
(1) Acta Biologica Colombiana	(1) Philippine Journal of Science

151 REVIEWS OF 89 MANUSCRIPTS

For manuscripts published from date range February 2016 - February 2024

Paranacaiman bravardi gen. et sp. nov. and Paranasuchus gasparinae gen. et comb. nov. (Crocodylia, Alligatoridae): giant caimans from the southernmost hyperdiverse wetlands of the South American Late Miocene

Reviewed: Feb 2024 for Journal of Systematic Palaeontology

A New Dryolestid Fossil From The Late Jurassic Illuminates Molar Root Structure Of Dryolestids
3 rounds from Feb 2023 to Jan 2024 for Journal of Vertebrate Paleontology

THE RELATIONSHIPS AND PALEOECOLOGY OF PACHYSTROPHEUS RHAETICUS, AN ENIGMATIC LATEST TRIASSIC MARINE REPTILE (DIAPSIDA: THALATTOSAURIA)

Reviewed: Jan 2024 for Journal of Vertebrate Paleontology

Navigating Uncertainty in Maximum Body Size in Marine Metazoans

Reviewed: Jan 2024 for Ecology and Evolution

MELANOROSAURUS READI HAUGHTON, 1924 (DINOSAURIA, SAUROPODOMORPHA) FROM THE LATE TRIASSIC OF SOUTH AFRICA: OSTEOLOGY AND DESIGNATION OF A LECTOTYPE

Reviewed: Jan 2024 for Journal of Vertebrate Paleontology

A new lizard-like reptile with unusual mandibular neurovasculature from the Upper Triassic of Virginia

Reviewed: Jan 2024 for Journal of Vertebrate Paleontology

Cranial osteology of the Permian dicynodont *Rastodon procurvidens* (Synapsida, Therapsida) and its phylogenetic relationships

Reviewed: Jan 2024 for Journal of Vertebrate Paleontology

Description of new *Kimmerosaurus langhami*. (Cryptoclididae, Plesiosauria) material recovered from the Kimmeridge Clay Formation, Dorset, UK

Reviewed: Dec 2023 for Journal of Vertebrate Paleontology

The first eutriconodontan mammal from the Cretaceous (Maastrichtian) of India

Reviewed: Dec 2023 for Journal of Vertebrate Paleontology

New insights into the origin of the Galapagos tortoises with a tip-dated analysis of Testudinidae
3 rounds from Apr 2023 to Dec 2023 for Journal of Vertebrate Paleontology

The First Nigerophiid Snake from the Cenozoic of India and its Paleobiogeographic Implications

Reviewed: Nov 2023 for Journal of Vertebrate Paleontology

Tusked walruses (Carnivora: Odobenidae) from the Miocene-Pliocene Purisima Formation of Santa Cruz, California (USA): a new species of the toothless walrus *Valenictus* and the oldest records of Odobeninae and Odobenini

5 rounds from Feb 2023 to Nov 2023 for Journal of Vertebrate Paleontology

A review of small-bodied theropod dinosaurs from the Late Cretaceous of India, with description of new cranial remains of a noosaurid (Theropoda: Abelisauria)

3 rounds from Oct 2022 to Nov 2023 for Journal of Vertebrate Paleontology

Novel anatomical and phylogenetic information concerning stem parrots based on a new specimen of Pseudasturidae (Aves) from the Eocene Green River Formation of Wyoming, USA

Reviewed: Nov 2023 for Journal of Vertebrate Paleontology

A new stem-tetrapod fish from the Middle-Late Devonian of central Australia

3 rounds from Jan 2023 to Oct 2023 for Journal of Vertebrate Paleontology

Evolutionary déjà vu: convergent evolution in an ant-plant association

Reviewed: Oct 2023 for Proceedings of the Royal Society B: Biological Sciences

A combined approach to identify isolated theropod teeth from the Cenomanian Kem Kem Group of Morocco: cladistic, discriminant, and machine learning analyses

2 rounds from Apr 2023 to Oct 2023 for Journal of Vertebrate Paleontology

Hyracoidea from the Oligocene locality Topernawi, Turkana Basin, Kenya

Reviewed: Oct 2023 for Journal of Vertebrate Paleontology

A new hupehsuchian (Reptilia: Ichthyosauromorpha) from the Lower Triassic of South China and its implication for the evolution of polydactyly

2 rounds from Aug 2023 to Oct 2023 for Journal of Vertebrate Paleontology

The oldest platanistoid dolphin from the Paratethys realm, *Romaleodelphis pollerspoeckii*, gen. nov. et sp. nov. (Miocene, Austria)

Reviewed: Oct 2023 for Journal of Vertebrate Paleontology

A Platypterygiine ichthyosaur from the Cenomanian of Central New Zealand

Reviewed: Oct 2023 for Journal of Vertebrate Paleontology

A new eutherian mammal from the Upper Cretaceous Bayinshire Formation of Mongolia

Reviewed: Oct 2023 for Journal of Vertebrate Paleontology

A new pterosaur from Skye, Scotland and the early diversification of flying reptiles

2 rounds from Jan 2023 to Sep 2023 for Journal of Vertebrate Paleontology

THE FIRST ARTICULATED SKULL ROOF AND BRAINCASE OF MELVIUS CHAULIODOUS (AMIIDAE, VIDALAMIINAE) FROM THE UPPER CRETACEOUS KIRTLAND FORMATION, SAN JUAN BASIN, NEW MEXICO

3 rounds from May 2023 to Sep 2023 for Journal of Vertebrate Paleontology

Reassessment of *Tegetotherium burmeisteri* Ameghino 1903–1904 (Notoungulata, Hegetotheriidae) and a new phylogenetic analysis of Hegetotheriidae

3 rounds from Jun 2023 to Aug 2023 for Journal of Vertebrate Paleontology

An unexpected early diverging iguanodontian dinosaur (Ornithischia, Ornithopoda) from the Late Jurassic of Portugal

2 rounds from Feb 2023 to Aug 2023 for Journal of Vertebrate Paleontology

A large, freshwater chanid fish (Ostariophysi: Gonorynchiformes) from the Late Cretaceous of Madagascar

3 rounds from Apr 2023 to Aug 2023 for Journal of Vertebrate Paleontology

Widespread convergence towards functional optimisation in the lower jaws of crocodile-line archosaurs

Reviewed: Aug 2023 for Proceedings of the Royal Society B: Biological Sciences

A new kannemeyeriiform dicynodont (Synapsida) from a Late Triassic vertebrate assemblage in west Texas, U.S.A

Reviewed: Aug 2023 for Journal of Vertebrate Paleontology

The biogeographic history of neosuchian crocodiles and the impact of saltwater tolerance variability

Reviewed: Jul 2023 for Royal Society Open Science

Limited convergence in the postcranium of aquatic crocodyliformes

2 rounds from Feb 2023 to Jul 2023 for Palaeontology

The first small-bodied ornithopod dinosaur from the Lewisville Formation (Middle Cenomanian) of Texas

Reviewed: Jun 2023 for Journal of Vertebrate Paleontology

Decoupling Speciation and Extinction Reveals Both Abiotic and Biotic Drivers Shaped 250 Million Years of Diversity in Crocodile-line Archosaurs

2 rounds from Jun 2022 to Jun 2023 for Nature Ecology & Evolution

A New Onychodontid (Osteichthyes, Sarcopterygii) from the Late Devonian (Frasnian) of Devon Island, Nunavut Territory, Canada

Reviewed: Jun 2023 for Journal of Vertebrate Paleontology

A new Typothoracinae aetosaur (Archosauria, Pseudosuchia) from the Upper Triassic of India with insights on biostratigraphy, diversification, and paleobiogeography

2 rounds from Mar 2023 to Jun 2023 for Journal of Vertebrate Paleontology

A new sturgeon from the Late Cretaceous Horseshoe Canyon Formation in central Alberta, Canada

Reviewed: Jun 2023 for Journal of Vertebrate Paleontology

A New Chigutisaurid (Brachyopoidea, Temnospondyli) with soft tissue preservation from the Triassic Sydney Basin, New South Wales

2 rounds from Aug 2022 to May 2023 for Journal of Vertebrate Paleontology

Re-analysis of a dataset refutes claims of anagenesis within Tyrannosaurus-line tyrannosaurines (Theropoda, Tyrannosauridae)

2 rounds from Apr 2023 to May 2023 for Journal of Vertebrate Paleontology

New specimen and redescription of Anisodontosaurus greeri (Moenkopi Formation: Middle Triassic) and the spatiotemporal origins of Trilophosauridae

2 rounds from Feb 2023 to May 2023 for Journal of Vertebrate Paleontology

Anatomy and phylogenetic affinities of a new silesaurid assemblage from the Carnian beds of south Brazil

2 rounds from Dec 2022 to May 2023 for Journal of Vertebrate Paleontology

A new lapillopsid from Antarctica and a re-appraisal of the phylogenetic relationships of early diverging stereospondyls

2 rounds from Oct 2022 to Mar 2023 for Journal of Vertebrate Paleontology

A 'long-forgotten' plesiosaur provides evidence of large-bodied rhomaleosaurids in the Middle Jurassic of Germany

2 rounds from Jan 2023 to Mar 2023 for Journal of Vertebrate Paleontology

A new clevosaurid (Lepidosauria: Rhynchocephalia) from the Upper Triassic of India

2 rounds from Oct 2022 to Mar 2023 for Journal of Vertebrate Paleontology

A new operculate symmoriiform chondrichthyan from the Late Mississippian Fayetteville Shale (Arkansas, USA)

3 rounds from Jun 2022 to Mar 2023 for Journal of Vertebrate Paleontology

A new squaloziphiid-like odontocete from the Early Miocene of Patagonia expands the cetacean diversity in the Southwestern Atlantic Ocean

2 rounds from Aug 2022 to Mar 2023 for Journal of Vertebrate Paleontology

Evolutionary convergence in a small cursorial styracosternan ornithopod dinosaur from western Europe

Reviewed: Mar 2023 for Journal of Vertebrate Paleontology

A giant flighted stem seriema from the Paleogene of North America

Reviewed: Feb 2023 for Journal of Vertebrate Paleontology

Migrations, diversifications, and extinctions: the evolutionary history of crocodyliforms in Australasia

2 rounds from Oct 2022 to Feb 2023 for Alcheringa

A new species of Pinnarctidion from the Pysht Formation of Washington State (U.S.A.) and a phylogenetic analysis of basal pan-pinnipeds (Eutheria, Carnivora)

4 rounds from Jul 2022 to Jan 2023 for Journal of Vertebrate Paleontology

ANCESTRAL RADIATION OF PAENUNGULATE MAMMALS (PAENUNGULATOMORPHA) - NEW EVIDENCE FROM THE PALEOCENE OF MOROCCO

4 rounds from Jul 2022 to Jan 2023 for Journal of Vertebrate Paleontology

Anatomy and phylogeny of an exceptionally large sebecid (Crocodylomorpha) from the middle Eocene of southern France

2 rounds from Aug 2022 to Jan 2023 for Journal of Vertebrate Paleontology

A new amphibamiform (Temnospondyli: Branchiosauridae) from the Early Permian of the Czech Boskovice Basin

3 rounds from Aug 2022 to Jan 2023 for Journal of Vertebrate Paleontology

A new ektopodontid possum (Diprotodontia, Ektopodontidae) from the Oligocene of central Australia, and its implications for phalangeroid interrelationships

3 rounds from Jul 2022 to Dec 2022 for Journal of Vertebrate Paleontology

A new pachycephalosaurid from the Hell Creek Formation, Garfield County, Montana, USA

2 rounds from Aug 2022 to Dec 2022 for Journal of Vertebrate Paleontology

A new diminutive Miocene durophagous dasyuromorphian (Marsupialia, Malleodectidae) from the Riversleigh World Heritage Area, northern Australia

2 rounds from Sep 2022 to Nov 2022 for Journal of Vertebrate Paleontology

Cranial Anatomy of *Nythosaurus larvatus* Owen, 1876, an Early Triassic Cynodont Preserving a Natural Endocast

Reviewed: Nov 2022 for Journal of Vertebrate Paleontology

Second species of *Eusthenodon* (Tristichopteridae, Sarcopterygii) from the Upper Devonian (Famennian) Catskill Formation of Pennsylvania, U.S.A., and a review of global *Eusthenodon* occurrence

Reviewed: Nov 2022 for Journal of Vertebrate Paleontology

THE TETRAPOD FAUNA OF THE UPPER PERMIAN NAOBAOGOU FORMATION OF CHINA: 9. GANSURHINUS NAOBAOGOUENSIS SP. NOV. (REPTILIA: CAPTORHINIDAE) AND A REVISION OF CHINESE CAPTORHINIDS

2 rounds from Sep 2022 to Nov 2022 for Journal of Vertebrate Paleontology

A new titanosaurian (Dinosauria: Sauropoda) from the Upper Cretaceous (Campanian) Quseir Formation of the Kharga Oasis, Egypt

2 rounds from Jul 2022 to Oct 2022 for Journal of Vertebrate Paleontology

A new proterotheriid (Mammalia, Litopterna) from the Salla Beds of Bolivia (late Oligocene): phylogeny and litoptern patellar pit knee locks

2 rounds from Jul 2022 to Oct 2022 for Journal of Vertebrate Paleontology

A new ornithopod dinosaur, *Transylvanosaurus platycephalus* gen. et sp. nov. (Dinosauria: Ornithischia), from the Late Cretaceous of the Hațeg Basin, Romania

Reviewed: Aug 2022 for Journal of Vertebrate Paleontology

A peirosaurid mandible from the Albian (Lower Cretaceous) of Algeria and the taxonomic content of *Hamadasuchus* (Crocodylomorpha, Peirosauridae)

2 rounds from Mar 2022 to Aug 2022 for Papers in Palaeontology

The disadvantage of derivation: conserved systematic flaws in primary data have repeatedly biased the phylogenetic inference of Temnospondyli (Tetrapoda, Amphibia)

Reviewed: Jul 2022 for Journal of Vertebrate Paleontology

Phylogenetic structure of the extinction and biotic factors explaining differential survival of terrestrial notosuchians at the Cretaceous-Palaeogene crisis

2 rounds from Mar 2022 to Jul 2022 for Palaeontology

A new madtsoiid snake from the Paleogene of South America (northwestern Argentina), based on an articulated postcranial skeleton

Reviewed: Jul 2022 for Journal of Vertebrate Paleontology

Unexpected record of the aquatic sloth *Thalassocnus* (Mammalia, Xenarthra, Folivora) in the late Neogene of eastern Puna (Jujuy, Argentina)

Reviewed: Jun 2022 for Journal of Vertebrate Paleontology

New enchodontoid fish (Teleostei: Aulopiformes) from the Late Cretaceous of Lebanon

Reviewed: Jun 2022 for Journal of Vertebrate Paleontology

Evolution of fungal phenotypic disparity

2 rounds from Feb 2022 to Mar 2022 for Nature Ecology & Evolution

Mystriosuchus Alleroq Sp.nov. — A New Phytosaur Species (Reptilia; Archosauriformes) from the Late Triassic of Jameson Land, Central East Greenland

Reviewed: Mar 2022 for Journal of Vertebrate Paleontology

Palate Evolution in Early Branching Crocodylomorphs: Implications for Homology, Systematics and Ecomorphology

2 rounds from Oct 2021 to Feb 2022 for The Anatomical Record

Complete Osteological Description of a False Gharial *Tomistoma Schlegelii* – Implications for Phylogeny and Character Assessment

2 rounds from Nov 2020 to Feb 2022 for PeerJ

THE TAXONOMIC STATUS OF NOTOCAIMAN STROMERI (CROCODYLIA, ALLIGATOROIDEA) AND THE EARLY DIVERSITY OF SOUTH AMERICAN CAIMANINES

Reviewed: Jan 2022 for Ameghiniana

Rapid Initial Morphospace Expansion and Delayed Morphological Disparity Peak in the First 100 Million Years of the Archosauromorph Evolutionary Radiation

Reviewed: Jun 2021 for Frontiers in Earth Science

The Skull of Caiman *Crocodylus Fuscus*: Allometric and Ontogenetic Shifts

Reviewed: Jun 2021 for Acta Biologica Colombiana

BODY SIZE DISPARITY OF THE ARCHOSAUROMORPH REPTILES DURING THE FIRST 90 MILLION YEARS OF THEIR EVOLUTION

Reviewed: May 2021 for Ameghiniana

3D skull modelling and description of a new baurusuchid (Crocodyliformes, Mesoeucrocodylia) from the Late Cretaceous (Bauru Basin) of Brazil

2 rounds from Oct 2020 to Mar 2021 for Journal of Anatomy

Musculoskeletal modelling of the Nile crocodile (*Crocodylus niloticus*) hindlimb: Effects of limb posture on leverage during terrestrial locomotion

2 rounds from Dec 2020 to Mar 2021 for Journal of Anatomy

An eye for an eye, a tooth for a tooth: Archosaurian teeth from the Acu Formation (Albian-Cenomanian), Potiguar Basin, Northeast Brazil

Reviewed: Feb 2021 for Cretaceous Research

Ecological opportunity and the rise and fall of crocodylomorph evolutionary innovation

Reviewed: Jan 2021 for Proceedings of the Royal Society B: Biological Sciences

Gross Anatomy of the Skull and the Mandible: Basis for Differentiating the Philippine Crocodile (*Crocodylus mindorensis* Schmidt, 1935) and the Indo-Pacific Crocodile (*Crocodylus porosus* Schneider, 1801)

Reviewed: Nov 2020 for Philippine Journal of Science

How to date a crocodile: estimation of neosuchian clade ages and a comparison of four time-scaling methods

Reviewed: Apr 2020 for Palaeontology

New anatomical information on *Araripesuchus buiterraensis* with implications for the systematics of *Uruguaysuchidae* (Crocodyliformes, Notosuchia)

Reviewed: Dec 2019 for Cretaceous Research

Paleobiogeography of Cretaceous South American Mesoeucrocodylia: Contribution to the Knowledge of Biogeographical History of Gondwana and Laurasia

Reviewed: Dec 2019 for Cretaceous Research

First evidence for a latitudinal body mass effect in extant Crocodylia and the relationships of their reproductive characters

Reviewed: Oct 2019 for Biological Journal of the Linnean Society

A new specimen of *Susisuchus anatoceps* (Crocodyliformes, Neosuchia) with a non-eusuchian-type palate

2 rounds from Aug 2019 to Oct 2019 for Journal of Vertebrate Paleontology

Exploring the effects of character construction and choice, outgroups and analytical method on phylogenetic inference from discrete characters in extant crocodilians

Reviewed: Jan 2019 for Zoological Journal of the Linnean Society

The first *Caipirasuchus* (Mesoeucrocodylia, Notosuchia) from the Late Cretaceous of Minas Gerais, Brazil: new insights on sphagesaurid anatomy and taxonomy

2 rounds from Mar 2018 to Jun 2018 for PeerJ

A new eusuchian crocodylomorph from the Cenomanian (Late Cretaceous) of Portugal reveals novel implications on the origin of Crocodylia

2 rounds from Nov 2017 to May 2018 for Zoological Journal of the Linnean Society

Intraspecific variation in wing shape of *Poecilobothrus regalis* (Meigen, 1824) (Diptera, Dolichopodidae)

Reviewed: Jul 2016 for Journal of Insect Biodiversity

Editor records

Editor Summary

For manuscripts handled from date range February 2016 - February 2024

(10) BMC Research Notes

(3) Journal of Vertebrate Paleontology

For manuscripts published from date range February 2016 - February 2024 (13)

A New Basal Crocodylomorph (Archosauria: Crocodylomorpha) from the Upper Triassic of Texas

Decision date: 2023-11-01 for Journal of Vertebrate Paleontology

An Anatomical Reappraisal of the Dwarf Crocodylian *Arambourgia Gaudryi* from the Eocene of Quercy (France) Using CT Data and its Implications for the Phylogeny and Paleoecology of Basal Alligatoroids

Decision date: 2023-08-19 for Journal of Vertebrate Paleontology

Diversity Through Time and Space in the Upper Jurassic Morrison Formation, Western USA

Decision date: 2023-07-26 for Journal of Vertebrate Paleontology

Inferring chromatin accessibility during murine hematopoiesis through phylogenetic analysis

Decision date: 2023-05-23 for BMC Research Notes

Genomic sequencing of fourteen *Bacillus thuringiensis* isolates: insights into geographic variation and phylogenetic implications

Decision date: 2022-11-29 for BMC Research Notes

Characterization of polymorphic microsatellite markers for the Japanese endangered land snail *Mandarina*

Decision date: 2022-06-27 for BMC Research Notes

Octopamine receptor gene influences social grouping in the masked birch caterpillar

Decision date: 2022-04-05 for BMC Research Notes

Effect of high temperature on *Wolbachia* density and impact on cytoplasmic incompatibility in confused flour beetle, *Tribolium confusum* (Coleoptera: Tenebrionidae)

Decision date: 2022-03-22 for BMC Research Notes

Power calculator for detecting allelic imbalance using hierarchical Bayesian model

Decision date: 2021-10-05 for BMC Research Notes

***Aeromonas* species obtained from different farmed aquatic species in India and Taiwan show high phenotypic relatedness despite species diversity**

Decision date: 2021-07-27 for BMC Research Notes

Measuring athletic performance in post-metamorphic fire salamanders

Decision date: 2021-07-23 for BMC Research Notes

Somatic production of reactive oxygen species does not predict its production in sperm cells across *Drosophila melanogaster* lines

Decision date: 2021-03-29 for BMC Research Notes

Investigation of in Vitro Culturing Method for *Ascaris lumbricoides* Eggs in Laboratory: From Soil to Bench

Decision date: 2021-03-02 for BMC Research Notes
