# Resource Summary Report

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## Paleobiology Database

RRID:SCR_003798
Type: Tool

### Proper Citation

Paleobiology Database (RRID:SCR_003798)

### Resource Information

**URL:** http://paleobiodb.org/

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**Description:** A non-governmental, non-profit public database for paleontological data providing researchers and the public with information about the entire fossil record. It has been organized and operated by a multi-disciplinary, multi-institutional, international group of paleobiological researchers. Its purpose is to provide global, collection-based occurrence and taxonomic data for organisms of all geological ages, as well data services to allow easy access to data for independent development of analytical tools, visualization software, and applications of all types. The Database's broader goal is to encourage and enable data-driven collaborative efforts that address large-scale paleobiological questions. Paleontological data files are accepted for upload. However, PaleoBioDB needs some basic data types to be included in order to perform an upload. The Application Programming Interface (API) gives scientists, students, and developers programmatic access to taxonomic, spatial, and temporal data contained within the database.

**Abbreviations:** PBDB

**Synonyms:** PaleoBioDB, PaleoDB

**Resource Type:** data or information resource, storage service resource, database, service resource, data repository

**Keywords:** paleontology, taxonomy, web service, visualization, FASEB list

**Funding:** NSF EAR 0949416;
NSF ICER 1540929;
NSF ICER 1540997;

NSF DUE 1504718;
NCEAS ;
Australian Research Council

**Availability:** The community can contribute to this resource

**Resource Name:** Paleobiology Database

**Resource ID:** SCR_003798

**Alternate IDs:** nlx_158095



**Record Creation Time:** 20220129T080221+0000

**Record Last Update:** 20250425T055349+0000

## Ratings and Alerts

No rating or validation information has been found for Paleobiology Database.

No alerts have been found for Paleobiology Database.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 148 mentions in open access literature.

**Listed below are recent publications.** The full list is available at dkNET.

Mondanaro A, et al. (2025) EutherianCoP. An integrated biotic and climate database for conservation paleobiology based on eutherian mammals. Scientific data, 12(1), 6.

Zhang R, et al. (2025) Comparative organelle genomics in Daphniphyllaceae reveal phylogenetic position and organelle structure evolution. BMC genomics, 26(1), 40.

Deak MD, et al. (2025) Metabolic skinflint or spendthrift? Insights into ground sloth integument and thermophysiology revealed by biophysical modeling and clumped isotope paleothermometry. Journal of mammalian evolution, 32(1), 1.

Davydov VI, et al. (2024) Method of estimating sea-surface paleotemperatures through biotic proxies: A case study in Upper Paleozoic paleoclimatic, paleogeographic and paleotectonic

reconstructions of Siberia. Ecology and evolution, 14(11), e70265.

Song N, et al. (2024) Phylogeny and evolution of hemipteran insects based on expanded genomic and transcriptomic data. BMC biology, 22(1), 190.

Feng Y, et al. (2024) High extinction risk in large foraminifera during past and future mass extinctions. Science advances, 10(32), eadj8223.

Zhang R, et al. (2024) Comparative analysis of the organelle genomes of Aconitum carmichaelii revealed structural and sequence differences and phylogenetic relationships. BMC genomics, 25(1), 260.

Nell LA, et al. (2024) Shared Features Underlying Compact Genomes and Extreme Habitat Use in Chironomid Midges. Genome biology and evolution, 16(5).

Cooper RB, et al. (2024) DeepDive: estimating global biodiversity patterns through time using deep learning. Nature communications, 15(1), 4199.

Gu J, et al. (2024) Comparative chloroplast genomes analysis of nine Primulina (Gesneriaceae) rare species, from karst region of southwest China. Scientific reports, 14(1), 30256.

Mannion PD, et al. (2024) The spatiotemporal distribution of Mesozoic dinosaur diversity. Biology letters, 20(12), 20240443.

Guo ZQ, et al. (2024) Mitogenome-Based Phylogeny with Divergence Time Estimates Revealed the Presence of Cryptic Species within Heptageniidae (Insecta, Ephemeroptera). Insects, 15(10).

Xue T, et al. (2024) Radiating diversification and niche conservatism jointly shape the inverse latitudinal diversity gradient of Potentilla L. (Rosaceae). BMC plant biology, 24(1), 443.

Faurby S, et al. (2024) Reliable biogeography requires fossils: insights from a new species-level phylogeny of extinct and living carnivores. Proceedings. Biological sciences, 291(2028), 20240473.

Faure-Brac MG, et al. (2024) On the origins of endothermy in amniotes. iScience, 27(4), 109375.

Wolfe JM, et al. (2024) Convergent Adaptation of True Crabs (Decapoda: Brachyura) to a Gradient of Terrestrial Environments. Systematic biology, 73(2), 247.

Ruebenstahl A, et al. (2024) Convergent evolution of giant size in eurypterids. Proceedings. Biological sciences, 291(2027), 20241184.

Chiarenza AA, et al. (2024) The macroecology of Mesozoic dinosaurs. Biology letters, 20(11), 20240392.

Payne ARD, et al. (2024) Decoupling speciation and extinction reveals both abiotic and biotic drivers shaped 250 million years of diversity in crocodile-line archosaurs. Nature ecology & evolution, 8(1), 121.

Harper EM, et al. (2024) The demise of large tropical brachiopods and the Mesozoic marine revolution. Royal Society open science, 11(3), 231630.