

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: storage service resource, data repository, service resource, database, data or information resource

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

Funding: NSF EAR 0949416;
NSF ICER 1540929;
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NCEAS ;
Australian Research Council

Availability: The community can contribute to this resource

Resource Name: Paleobiology Database

Resource ID: SCR_003798

Alternate IDs: r3d100012690, nlx_158095

Alternate URLs: <https://doi.org/10.17616/R31NJMAA>

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Record Creation Time: 20220129T080221+0000

Record Last Update: 20260805T044059+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 173 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Pereyra EES, et al. (2025) Macroevolutionary trends in Ceratosauria body size: insights of phylogenetic comparative methods. BMC ecology and evolution, 25(1), 32.

Zhao T, et al. (2025) Evolutionary history and divergence times of Tettigoniidae (Orthoptera) inferred from mitochondrial phylogenomics. Frontiers in genetics, 16, 1495754.

Reddin CJ, et al. (2025) Marine species and assemblage change foreshadowed by their thermal bias over Early Jurassic warming. Nature communications, 16(1), 1370.

Sroka P, et al. (2025) Early evolution of the stonefly lineage (Insecta, Plecoptera) revealed by a new diversity of Carboniferous stem-group species. BMC ecology and evolution, 25(1), 107.

Joyce WG, et al. (2025) A review of helochelydrid shell material from late Albian to early Cenomanian greensands of Southern England, United Kingdom. Anatomical record (Hoboken, N.J. : 2007), 308(6), 1633.

- Zhang SH, et al. (2025) Global cooling drove diversification and warming caused extinction among Carboniferous-Permian fusuline foraminifera. *Science advances*, 11(25), eadv2549.
- Blanco F, et al. (2025) Two major ecological shifts shaped 60 million years of ungulate faunal evolution. *Nature communications*, 16(1), 4648.
- Tee HS, et al. (2025) Host-Calibrated Time Tree Caps the Age of Giant Viruses. *Molecular biology and evolution*, 42(2).
- Vršanský P, et al. (2025) Jurassic Park approached: a coccid from Kimmeridgian cheileropidiacean Aintourine Lebanese amber. *National science review*, 12(3), nwae200.
- Pereyra EES, et al. (2025) Morphology of the maxilla informs about the type of predation strategy in the evolution of Abelisauridae (Dinosauria: Theropoda). *Scientific reports*, 15(1), 7857.
- Mondanaro A, et al. (2025) EutherianCoP. An integrated biotic and climate database for conservation paleobiology based on eutherian mammals. *Scientific data*, 12(1), 6.
- Buffan L, et al. (2025) The fate of South America's endemic mammalian fauna in response to the most dramatic Cenozoic climate disruption. *Proceedings of the National Academy of Sciences of the United States of America*, 122(20), e2419520122.
- Ding W, et al. (2025) The stepwise rise of angiosperm-dominated terrestrial ecosystems. *Biological reviews of the Cambridge Philosophical Society*, 100(5), 2131.
- Hernández C, et al. (2025) Multilocus analysis uncovers the evolution of the Rhodniini tribe, vectors of *Trypanosoma cruzi*. *Scientific reports*, 15(1), 20401.
- Zhao T, et al. (2025) Mitonuclear Discordance of Beetles Shaped by Incomplete Lineage Sorting and Introgression Under Loose Interaction Mechanism. *Molecular biology and evolution*, 42(11).
- Liu C, et al. (2025) Unravelling the evolution of wood-feeding in termites with 47 high-resolution genome assemblies. *Nature communications*, 16(1), 11154.
- Racicot RA, et al. (2025) Variation in whale (Cetacea) inner ear anatomy reveals the early evolution of "specialized" high-frequency hearing sensitivity. *Journal of anatomy*, 246(3), 363.
- Zhang R, et al. (2025) Comparative organelle genomics in Daphniophyllaceae reveal phylogenetic position and organelle structure evolution. *BMC genomics*, 26(1), 40.
- Boderau M, et al. (2025) Diversification and extinction of Hemiptera in deep time. *Communications biology*, 8(1), 352.
- Tyler CL, et al. (2025) Fossil samples archive functional diversity in marine ecosystems: An empirical test from a present-day coastal environment. *Proceedings of the National Academy of Sciences of the United States of America*, 122(31), e2405727122.