

Resource Summary Report

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geomorph

RRID:SCR_016482

Type: Tool

Proper Citation

geomorph (RRID:SCR_016482)

Resource Information

URL: <https://cran.r-project.org/web/packages/geomorph/index.html>

Proper Citation: geomorph (RRID:SCR_016482)

Description: Software package for performing all stages of geometric morphometric shape analysis of landmark points and curves in 2-and-3-dimensions as well as 3D surfaces in the R statistical computing environment.

Abbreviations: geomorph

Synonyms: geometric morphometric

Resource Type: data processing software, data analysis software, software toolkit, software resource, software application

Keywords: geometric, morphometric, shape, analysis, landmark, point, curve, 2D, 3D, surface

Funding:

Availability: Free, Available for download, Freely available

Resource Name: geomorph

Resource ID: SCR_016482

Alternate URLs: <https://github.com/geomorphR/geomorph>

License: GPL

Record Creation Time: 20220129T080330+0000

Record Last Update: 20250426T060547+0000

Ratings and Alerts

No rating or validation information has been found for geomorph.

No alerts have been found for geomorph.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 27 mentions in open access literature.

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

De Leo N, et al. (2025) Protocol for 3D photogrammetry and morphological digitization of complex skulls. STAR protocols, 6(1), 103572.

Jiangzuo Q, et al. (2025) Insights on the evolution and adaptation toward high-altitude and cold environments in the snow leopard lineage. Science advances, 11(3), eadp5243.

Tanner SB, et al. (2024) Variation and covariation of external shape and cross-sectional geometry in the human metacarpus. American journal of biological anthropology, 183(2), e24866.

Matamoro-Vidal A, et al. (2024) Patterned apoptosis has an instructive role for local growth and tissue shape regulation in a fast-growing epithelium. Current biology : CB, 34(2), 376.

Žiki? V, et al. (2024) Effect of ?-cypermethrin and pirimiphos-methyl on wing morphology of *Tribolium castaneum* (Herbst) and *T. confusum* Jacquelin du Val: a comparative study. Environmental science and pollution research international, 31(1), 895.

Figueirido B, et al. (2023) Elbow-joint morphology in the North American 'cheetah-like' cat *Miracinonyx trumani*. Biology letters, 19(1), 20220483.

Figus C, et al. (2023) Morphologies in-between: The impact of the first steps on the human talus. Anatomical record (Hoboken, N.J. : 2007), 306(1), 124.

Thomas OO, et al. (2023) Automated morphological phenotyping using learned shape descriptors and functional maps: A novel approach to geometric morphometrics. PLoS computational biology, 19(1), e1009061.

Bobe R, et al. (2023) The first Miocene fossils from coastal woodlands in the southern East African Rift. iScience, 26(9), 107644.

Lugli F, et al. (2022) Tracing the mobility of a Late Epigravettian (~13 ka) male infant from Grotte di Pradis (Northeastern Italian Prealps) at high-temporal resolution. Scientific reports, 12(1), 8104.

Duchon A, et al. (2022) Ts66Yah, a mouse model of Down syndrome with improved construct and face validity. Disease models & mechanisms, 15(12).

Bronzati M, et al. (2021) Deep evolutionary diversification of semicircular canals in archosaurs. Current biology : CB, 31(12), 2520.

Kleisner K, et al. (2021) How and why patterns of sexual dimorphism in human faces vary across the world. Scientific reports, 11(1), 5978.

Mengistu SB, et al. (2021) Heritable variation in swimming performance in Nile tilapia (*Oreochromis niloticus*) and negative genetic correlations with growth and harvest weight. Scientific reports, 11(1), 11018.

Kulik ZT, et al. (2021) Living fast in the Triassic: New data on life history in *Lystrosaurus* (Therapsida: Dicynodontia) from northeastern Pangea. PloS one, 16(11), e0259369.

Gilbert MC, et al. (2021) Ciliary Rootlet Coiled-Coil 2 (*crocc2*) Is Associated with Evolutionary Divergence and Plasticity of Cichlid Jaw Shape. Molecular biology and evolution, 38(8), 3078.

Fischer G, et al. (2020) Socially Parasitic Ants Evolve a Mosaic of Host-Matching and Parasitic Morphological Traits. Current biology : CB, 30(18), 3639.

Long HK, et al. (2020) Loss of Extreme Long-Range Enhancers in Human Neural Crest Drives a Craniofacial Disorder. Cell stem cell, 27(5), 765.

Button DJ, et al. (2020) Repeated Evolution of Divergent Modes of Herbivory in Non-avian Dinosaurs. Current biology : CB, 30(1), 158.

van de Kerke SJ, et al. (2020) Capturing variation in floral shape: a virtual3D based morphospace for *Pelargonium*. PeerJ, 8, e8823.