

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

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

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: 20260804T043622+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 32 mentions in open access literature.

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

Tseng ZJ, et al. (2025) Emergent network properties link phenotypic modules to ecomorphological divergence in carnivoran mammals. *iScience*, 28(2), 111828.

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.

Maidin MBM, et al. (2025) Association of keel bone morphometry with keel bone damage and skeletal quality in the laying hen. *British poultry science*, 66(2), 166.

Miller CA, et al. (2025) Early life functional transitions impact craniofacial morphology in osteogenesis imperfecta. *Anatomical record (Hoboken, N.J. : 2007)*, 308(12), 3157.

de Abreu E Melo-Moreira D, et al. (2025) The Evolution of Skull Shape in Boana faber Clade: Unraveling Heterochrony's Influence. *Evolution & development*, 27(2), e70008.

Troyer EM, et al. (2025) Macroevolutionary role reversals in the earliest radiation of bony fishes. *Current biology : CB*.

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.

Žikić V, et al. (2024) Effect of γ -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.

Bobbe 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).

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

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

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.