Resource Summary Report

Generated by <u>dkNET</u> on May 12, 2025

<u>igraph</u>

RRID:SCR_019225 Type: Tool

Proper Citation

igraph (RRID:SCR_019225)

Resource Information

URL: https://cran.r-project.org/web/packages/igraph/

Proper Citation: igraph (RRID:SCR_019225)

Description: Software package for graphs and network analysis. Provides functions for generating random and regular graphs, graph visualization, centrality methods and much more.Can be programmed in R, Python, Mathematica, C/C Plus Plus.

Synonyms: igraph 0.8.4, igraph 1.2.6

Resource Type: software toolkit, data analysis software, software application, network analysis software, data processing software, network graph visualization software, data visualization software, software resource

Keywords: Graphs analysis, network analysis, generating graph function, graph visualization

Funding:

Availability: Free, Available for download, Freely available

Resource Name: igraph

Resource ID: SCR_019225

Alternate URLs: https://igraph.org/, https://github.com/igraph/igraph/releases/tag/0.8.4

License: GPL v3

Record Creation Time: 20220129T080344+0000

Record Last Update: 20250509T060318+0000

Ratings and Alerts

No rating or validation information has been found for igraph.

No alerts have been found for igraph.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 297 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>dkNET</u>.

Yulug B, et al. (2025) Multi-omics characterization of improved cognitive functions in Parkinson's disease patients after the combined metabolic activator treatment: a randomized, double-blinded, placebo-controlled phase II trial. Brain communications, 7(1), fcae478.

Watt AE, et al. (2025) Parameters for one health genomic surveillance of Escherichia coli from Australia. Nature communications, 16(1), 17.

Hu Z, et al. (2025) Novel inflammatory markers in intracerebral hemorrhage: Results from Olink proteomics analysis. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 39(2), e70341.

Aras SG, et al. (2025) Clustering of >?145,000 symptom logs reveals distinct pre, peri, and menopausal phenotypes. Scientific reports, 15(1), 640.

Liu Y, et al. (2025) Plant interactions associated with a directional shift in the richness range size relationship during the Glacial-Holocene transition in the Arctic. Nature communications, 16(1), 1128.

Requena-Mullor JM, et al. (2025) Communicating the interdependence of human, animal, and environmental health on X (formerly Twitter): Insights from the one health approach. iScience, 28(1), 111606.

Cooksey K, et al. (2025) The extent of western lowland gorilla social relationships within and between groups. PloS one, 20(1), e0316598.

Girardi F, et al. (2024) A gibberellin-assisted study of the transcriptional and hormonal changes occurring at floral transition in peach buds (Prunus persica L. Batsch). BMC plant biology, 24(1), 643.

Lv J, et al. (2024) Plasma metabolomics reveals the shared and distinct metabolic disturbances associated with cardiovascular events in coronary artery disease. Nature communications, 15(1), 5729.

Madzime J, et al. (2024) Reduced white matter maturation in the central auditory system of children living with HIV. Frontiers in neuroimaging, 3, 1341607.

Li M, et al. (2024) Microvascular and cellular dysfunctions in Alzheimer's disease: an integrative analysis perspective. Scientific reports, 14(1), 20944.

Chen J, et al. (2024) Quantifying brain-functional dynamics using deep dynamical systems: Technical considerations. iScience, 27(8), 110545.

Long H, et al. (2024) Endothelial cells adopt a pro-reparative immune responsive signature during cardiac injury. Life science alliance, 7(2).

Zhang F, et al. (2024) Genetic and bioinformatic analyses reveal transcriptional networks underlying dual genomic coordination of mitochondrial biogenesis. bioRxiv : the preprint server for biology.

Lu C, et al. (2024) Identification of a gene network driving the attenuated response to lipopolysaccharide of monocytes from hypertensive coronary artery disease patients. Frontiers in immunology, 15, 1286382.

Steinhauser S, et al. (2024) The transcription factor ZNF469 regulates collagen production in liver fibrosis. bioRxiv : the preprint server for biology.

Rodriguez-Algarra F, et al. (2024) Ribosomal DNA copy number variation associates with hematological profiles and renal function in the UK Biobank. Cell genomics, 4(6), 100562.

Behrens K, et al. (2024) ERG and c-MYC regulate a critical gene network in BCR::ABL1driven B cell acute lymphoblastic leukemia. Science advances, 10(10), eadj8803.

Gisdon FJ, et al. (2024) Graph-theoretical prediction of biological modules in quaternary structures of large protein complexes. Bioinformatics (Oxford, England), 40(3).

Huang F, et al. (2024) The rhizosphere and root selections intensify fungi-bacteria interaction in abiotic stress-resistant plants. PeerJ, 12, e17225.