

Resource Summary Report

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igraph

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

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

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: 20260905T132847+0000

Ratings and Alerts

No rating or validation information has been found for igrph.

No alerts have been found for igrph.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 432 mentions in open access literature.

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

López-Fuentes E, et al. (2026) Epigenetic and Transcriptional Programs Define Osteosarcoma Subtypes and Establish Targetable Vulnerabilities. *Cancer discovery*, 16(2), 296.

Schulz A, et al. (2026) LAMA5 links extracellular matrix organization to a candidate WNT-associated endothelial signaling niche during human chondrogenesis. *iScience*, 29(8), 116687.

Viana J, et al. (2026) Molecular hydrogen and kidney diseases: a scoping review based on scientometry and data analytics. *Medical gas research*, 16(2), 161.

Zhou X, et al. (2026) Centralized equipment allocation in a large tertiary hospital: Operational and economic outcomes of a hub-based coordination model. *Medicine*, 105(16), e48300.

Liu J, et al. (2026) Comprehensive profiling of antibiotic resistance, virulence genes, and mobile genetic elements in the gut microbiome of Tibetan antelopes. *mSystems*, 11(2), e0144325.

Li T, et al. (2026) Rearing systems shape the successional dynamics of the gut microbiota, resistome, and mobilome in Lueyang Black-boned chickens. *Poultry science*, 105(10), 107322.

Petróczi A, et al. (2026) Charting the Scientific Landscape of Indirect Estimation Models in Doping Prevalence Research: A Bibliometric Analysis with Narrative Appraisal. *Sports (Basel, Switzerland)*, 14(6).

Kim DD, et al. (2026) Metagenomic strain tracking reveals patterns of bacterial spread and the impact of water chlorination. *medRxiv : the preprint server for health sciences*.

Schneeberger PHH, et al. (2026) Profound taxonomic and functional gut microbiota alterations associated with trichuriasis: cross-country and country-specific patterns. *NPJ biofilms and microbiomes*, 12(1), 45.

Al-Eryani G, et al. (2026) Proteotranscriptomic Dissection of Breast Cancer T Cell States Identifies CD103+ Tfh-derived Cytotoxic Cells Linked to Immunotherapy Response.

Research square.

Huang J, et al. (2026) Habitat heterogeneity drives microbial community assembly and functional specialization in extremely arid ecosystems. *Applied and environmental microbiology*, 92(2), e0258825.

Hung CH, et al. (2026) Disentangling Seasonality from Co-Occurrence: Anomaly-Driven Networks of Migratory Waterbirds. *Biology*, 15(7).

Li W, et al. (2026) Tissue-specific assembly of endophytic microbiota in *Agriophyllum squarrosum* (L.) Moq. *BMC microbiology*, 26(1).

Zhao C, et al. (2026) Progranulin promotes glioma progression via interaction with cathepsin D and serves as a diagnostic and prognostic biomarker. *Discover oncology*, 17(1), 336.

Smith AH, et al. (2026) A Blue Start: A large-scale pairwise and higher-order social network dataset. *Scientific data*, 13(1).

Tarawneh R, et al. (2026) Early syndecan-4 upregulation predicts cognitive and pathological trajectories in Alzheimer disease. *Alzheimer's research & therapy*, 18(1).

Wang Y, et al. (2026) Recombination shapes the diversification of the wtf meiotic drivers. *eLife*, 13.

Swanepoel S, et al. (2026) A weighted gene co-expression network analysis characterises the common defence responses of *Eucalyptus* to diverse biotic challenges. *Scientific reports*, 16(1), 5387.

Hardonk MH, et al. (2026) Brain-wide induction of β -FOSB and altered co-activation networks in a rat model for exercise training. *Translational psychiatry*, 16(1).

Mbouamboua Y, et al. (2026) A single-cell and spatial atlas of early human olfactory development. *Nature communications*, 17(1).