

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: network graph visualization software, data visualization software, data analysis software, software resource, software application, data processing software, network analysis software, 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: 20260728T043554+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 354 mentions in open access literature.

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

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.

Bui HV, et al. (2025) White and brown adipose tissue share a convergent fibro-adipogenic progenitor population. *EMBO reports*, 26(22), 5612.

Perkins SA, et al. (2025) Heterogeneous constraint and adaptation across the malaria parasite life cycle. *bioRxiv : the preprint server for biology*.

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.

Rodríguez-Herrera J, et al. (2025) A computational Evo-Devo approach for elucidating the roles of PLETHORA transcription factors in regulating root development. *PloS one*, 20(7), e0327511.

de Mendonça Fernandes GM, et al. (2025) Epitranscriptomic analysis reveals clinical and molecular signatures in glioblastoma. *Acta neuropathologica communications*, 13(1), 74.

Toya R, et al. (2025) Risk of multidrug resistance in *Escherichia coli* associated with routine antimicrobial prophylaxis on pig farms. *npj antimicrobials and resistance*, 3(1), 59.

Weidner L, et al. (2025) T-cell repertoire correlates with cytokine imbalance in multiple sclerosis patients. *Frontiers in immunology*, 16, 1604452.

Wang T, et al. (2025) Metabolomics analysis and mRNA/miRNA profiling reveal potential cardiac regulatory mechanisms in Yili racehorses under different training regimens. *PloS one*, 20(7), e0322468.

Bai X, et al. (2025) Microbiome profiling reveals gut bacterial species associated with rapid lung function decline in people with HIV. *Frontiers in immunology*, 16, 1555441.

- Smith AH, et al. (2025) Social Network Analysis of Secure Text Messaging Metadata During Clinical Deterioration in an Inpatient Children's Hospital Setting. *Journal of medical systems*, 49(1), 116.
- Gupta C, et al. (2025) Network-based drug repurposing for psychiatric disorders using single-cell genomics. *Cell genomics*, 5(11), 101003.
- Hoshiko Y, et al. (2025) Genomic features of three major diarrhoeagenic *Escherichia coli* pathotypes in India. *Microbial genomics*, 11(7).
- Cano-Argüelles AL, et al. (2025) Protocol to study the impact of breast cancer on colonization resistance of mouse microbiota using network node manipulation. *STAR protocols*, 6(1), 103618.
- Wang Z, et al. (2025) Prophage landscape in *Enterococcus faecium*: diversity, resistance genes, virulence factors, and endolysin profiling. *BMC genomics*, 26(1), 964.
- Abdellaoui A, et al. (2025) Life without sex: Large-scale study links sexlessness to physical, cognitive, and personality traits, socioecological factors, and DNA. *Proceedings of the National Academy of Sciences of the United States of America*, 122(38), e2418257122.
- Donahue CJ, et al. (2025) A protein-proximity screen reveals Ebola virus co-opts the mRNA decapping complex through the scaffold protein EDC4. *Nature communications*, 16(1), 8485.
- Christenson ES, et al. (2025) Ablating UNG activity in a mouse model inhibits colorectal cancer growth by increasing tumor immunogenicity. *JCI insight*, 10(16).
- Fu J, et al. (2025) Exploring the mechanism of metabolic cell death-related genes AKR1C2 and MAP1LC3A as biomarkers in Parkinson's disease. *Scientific reports*, 15(1), 25610.