

Resource Summary Report

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[igraph for R](#)

RRID:SCR_021238

Type: Tool

Proper Citation

igraph for R (RRID:SCR_021238)

Resource Information

URL: <https://igraph.org/r/>

Proper Citation: igraph for R (RRID:SCR_021238)

Description: Software R package of igraph network analysis library.

Synonyms: rigraph, R/igraph

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

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

Funding:

Availability: Free, Available for download, Freely available

Resource Name: igraph for R

Resource ID: SCR_021238

Record Creation Time: 20220129T080354+0000

Record Last Update: 20250501T081537+0000

Ratings and Alerts

No rating or validation information has been found for igraph for R.

No alerts have been found for igraph for R.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 45 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Kuett L, et al. (2025) Distant Metastases of Breast Cancer Resemble Primary Tumors in Cancer Cell Composition but Differ in Immune Cell Phenotypes. *Cancer research*, 85(1), 15.

Khemka N, et al. (2024) Integrative network analysis of miRNA-mRNA expression profiles during epileptogenesis in rats reveals therapeutic targets after emergence of first spontaneous seizure. *Scientific reports*, 14(1), 15313.

Chia KS, et al. (2024) The N-terminal domains of NLR immune receptors exhibit structural and functional similarities across divergent plant lineages. *The Plant cell*, 36(7), 2491.

Wang X, et al. (2024) A Social Network Analysis of a Multi-sector Service System for Intimate Partner Violence in a Large US City. *Journal of prevention (2022)*, 45(3), 357.

Fuchs Wightman F, et al. (2024) Influence of RNA circularity on Target RNA-Directed MicroRNA Degradation. *Nucleic acids research*, 52(6), 3358.

Karri K, et al. (2023) Dysregulation of murine long noncoding single-cell transcriptome in nonalcoholic steatohepatitis and liver fibrosis. *RNA (New York, N.Y.)*, 29(7), 977.

Anderson AG, et al. (2023) A single-cell trajectory atlas of striatal development. *Scientific reports*, 13(1), 9031.

Rizos I, et al. (2023) Beyond the limits of the unassigned protist microbiome: inferring large-scale spatio-temporal patterns of Syndiniales marine parasites. *ISME communications*, 3(1), 16.

Cheah M, et al. (2023) Integrin-Driven Axon Regeneration in the Spinal Cord Activates a Distinctive CNS Regeneration Program. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(26), 4775.

Hoyd R, et al. (2023) Exogenous Sequences in Tumors and Immune Cells (Exotic): A Tool for Estimating the Microbe Abundances in Tumor RNA-seq Data. *Cancer research communications*, 3(11), 2375.

Klonizakis A, et al. (2023) SEGCOND predicts putative transcriptional condensate-

associated genomic regions by integrating multi-omics data. *Bioinformatics* (Oxford, England), 39(1).

Scherngell T, et al. (2023) The geographical dynamics of global R&D collaboration networks in robotics: Evidence from co-patenting activities across urban areas worldwide. *PloS one*, 18(4), e0281353.

Karri K, et al. (2023) TCDD dysregulation of lncRNA expression, liver zonation and intercellular communication across the liver lobule. *bioRxiv : the preprint server for biology*.

Shang J, et al. (2023) DM-MOGA: a multi-objective optimization genetic algorithm for identifying disease modules of non-small cell lung cancer. *BMC bioinformatics*, 24(1), 13.

Haubrich J, et al. (2023) Network-level changes in the brain underlie fear memory strength. *eLife*, 12.

Szebényi K, et al. (2023) A human proteogenomic-cellular framework identifies KIF5A as a modulator of astrocyte process integrity with relevance to ALS. *Communications biology*, 6(1), 678.

Planchais C, et al. (2023) HIV-1 treatment timing shapes the human intestinal memory B-cell repertoire to commensal bacteria. *Nature communications*, 14(1), 6326.

Weeks K, et al. (2023) Characterization of microbiomic and geochemical compositions across the photosynthetic fringe. *Frontiers in microbiology*, 14, 1176606.

Yang Y, et al. (2022) SC-MEB: spatial clustering with hidden Markov random field using empirical Bayes. *Briefings in bioinformatics*, 23(1).

Kim EY, et al. (2022) Transcriptome-wide changes in gene expression, splicing, and lncRNAs in response to a live attenuated dengue virus vaccine. *Cell reports*, 38(6), 110341.