

Resource Summary Report

Generated by ASWG on Aug 3, 2026

NetworkX

RRID:SCR_016864

Type: Tool

Proper Citation

NetworkX (RRID:SCR_016864)

Resource Information

URL: <https://networkx.github.io/>

Proper Citation: NetworkX (RRID:SCR_016864)

Description: Software Python package for the creation, manipulation, and study of the structure, dynamics, and functions of complex networks.

Resource Type: network analysis software, software application, data processing software, data analysis software, software resource

Keywords: create, analysis, structure, dynamic, function, complex, network, data

Availability: Free, Available for download, Freely available

Resource Name: NetworkX

Resource ID: SCR_016864

Alternate URLs: <https://github.com/networkx/networkx>

License: 3-clause BSD license

Record Creation Time: 20220129T080332+0000

Record Last Update: 20260804T043636+0000

Ratings and Alerts

No rating or validation information has been found for NetworkX.

No alerts have been found for NetworkX.

Data and Source Information

Usage and Citation Metrics

We found 111 mentions in open access literature.

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

Ryu S, et al. (2026) Transcriptional regulation of neuropeptide receptors underlies context-dependent adaptation in *Drosophila melanogaster*. *FEBS open bio*, 16(1), 90.

Robson JM, et al. (2025) Toehold-VISTA: A machine learning approach to decipher programmable RNA sensor-target interactions. *bioRxiv : the preprint server for biology*.

Zhai J, et al. (2025) Differential brain activation and network connectivity in social interactions presence and absence of physical contact. *Communications biology*, 8(1), 986.

Villette R, et al. (2025) Human gut microbiome gene co-expression network reveals a loss in taxonomic and functional diversity in Parkinson's disease. *NPJ biofilms and microbiomes*, 11(1), 142.

Villette R, et al. (2025) Integrated multi-omics highlights alterations of gut microbiome functions in prodromal and idiopathic Parkinson's disease. *Microbiome*, 13(1), 200.

Kennard AS, et al. (2025) Tubulin sequence divergence is associated with the use of distinct microtubule regulators. *Current biology : CB*, 35(2), 233.

Xue HC, et al. (2025) A unified cell atlas of vascular plants reveals cell-type foundational genes and accelerates gene discovery. *Cell*.

Wei L, et al. (2024) Systems-level reconstruction of kinase phosphosignaling networks regulating endothelial barrier integrity using temporal data. *NPJ systems biology and applications*, 10(1), 134.

Skorupka A, et al. (2024) Detecting anomalies in graph networks on digital markets. *PloS one*, 19(12), e0315849.

Vishwanathan A, et al. (2024) Predicting modular functions and neural coding of behavior from a synaptic wiring diagram. *Nature neuroscience*, 27(12), 2443.

Nilsen AS, et al. (2024) Exploring effects of anesthesia on complexity, differentiation, and integrated information in rat EEG. *Neuroscience of consciousness*, 2024(1), niae021.

Wei L, et al. (2024) Systems-level reconstruction of kinase phosphosignaling networks regulating endothelial barrier integrity using temporal data. *bioRxiv : the preprint server for biology*.

Bremppou D, et al. (2024) Using parenclitic networks on pheochromocytoma and paraganglioma tumours provides novel insights on global DNA methylation. *Scientific reports*, 14(1), 29958.

Sadowski M, et al. (2024) Characterizing the genetic architecture of drug response using gene-context interaction methods. *Cell genomics*, 4(12), 100722.

Köhler CA, et al. (2024) Facilitating the Sharing of Electrophysiology Data Analysis Results Through In-Depth Provenance Capture. *eNeuro*, 11(6).

Wei L, et al. (2024) Using machine learning to dissect host kinases required for *Leishmania* internalization and development. *bioRxiv : the preprint server for biology*.

Xie X, et al. (2024) IL-1 β -induced epithelial cell and fibroblast transdifferentiation promotes neutrophil recruitment in chronic rhinosinusitis with nasal polyps. *Nature communications*, 15(1), 9101.

Newsham I, et al. (2024) Early detection and diagnosis of cancer with interpretable machine learning to uncover cancer-specific DNA methylation patterns. *Biology methods & protocols*, 9(1), bpae028.

Gupta M, et al. (2023) Critical mechanistic features of HIV-1 viral capsid assembly. *Science advances*, 9(1), eadd7434.

Fan P, et al. (2023) Combination of antidepressants and antipsychotics as a novel treatment option for psychosis in Alzheimer's disease. *CPT: pharmacometrics & systems pharmacology*, 12(8), 1119.