

Resource Summary Report

Generated by SPARC SAWG on Sep 17, 2026

LitMiner

RRID:SCR_008200

Type: Tool

Proper Citation

LitMiner (RRID:SCR_008200)

Resource Information

URL: <http://andromeda.gsf.de/litminer>

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented August 23, 2016. The LitMiner software is a literature data-mining tool that facilitates the identification of major gene regulation key players related to a user-defined field of interest in PubMed abstracts. The prediction of gene-regulatory relationships is based on co-occurrence analysis of key terms within the abstracts. LitMiner predicts relationships between key terms from the biomedical domain in four categories (genes, chemical compounds, diseases and tissues). The usefulness of the LitMiner system has been demonstrated recently in a study that reconstructed disease-related regulatory networks by promoter modeling that was initiated by a LitMiner generated primary gene list. To overcome the limitations and to verify and improve the data, we developed WikiGene, a Wiki-based curation tool that allows revision of the data by expert users over the Internet. It is based on the annotation of key terms in article abstracts followed by statistical co-citation analysis of annotated key terms in order to predict relationships. Key terms belonging to four different categories are used for the annotation process: -Genes: Names of genes and gene products. Gene name recognition is based on Ensembl . Synonyms and aliases are resolved. -Chemical Compounds: Names of chemical compounds and their respective aliases. -Diseases and Phenotypes: Names of diseases and phenotypes -Tissues and Organs: Names of tissues and organs LitMiner uses a database of disease and phenotype terms for literature annotation. Currently, there are 2225 diseases or phenotypes, 801 tissues and organs, and 10477 compounds in the database.

Synonyms: LitMiner

Resource Type: data or information resource, database

Keywords: gene, biomedical, chemical, compound, disease, identification, literature, medline interfaces, mining, modeling, phenotype, promoter, regulation, regulatory, relationship, tissue, tool, bio.tools

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: LitMiner

Resource ID: SCR_008200

Alternate IDs: nif-0000-21241, biotools:litminer

Alternate URLs: <https://bio.tools/litminer>

Record Creation Time: 20220129T080246+0000

Record Last Update: 20260912T200158+0000

Ratings and Alerts

No rating or validation information has been found for LitMiner.

No alerts have been found for LitMiner.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Li J, et al. (2007) Regulatory module network of basic/helix-loop-helix transcription factors in mouse brain. Genome biology, 8(11), R244.

Fox JA, et al. (2005) The Bioinformatics Links Directory: a compilation of molecular biology web servers. Nucleic acids research, 33(Web Server issue), W3.