

Resource Summary Report

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OBO-Edit

RRID:SCR_005668

Type: Tool

Proper Citation

OBO-Edit (RRID:SCR_005668)

Resource Information

URL: <http://oboedit.org/>

Proper Citation: OBO-Edit (RRID:SCR_005668)

Description: OBO-Edit is an open source, platform-independent application written in Java for viewing and editing any OBO format ontologies. OBO-Edit is a graph-based tool; its emphasis on the overall graph structure of an ontology provides a friendly interface for biologists, and makes OBO-Edit excellent for the rapid generation of large ontologies focusing on relationships between relatively simple classes. The UI components are cleanly separated from the data model and data adapters, so these can be reused in other applications. The oboedit forward-chaining reasoner can also be used independently (for example, for traversing ontology graphs). OBO-Edit uses the OBO format flat file. See the GO wiki, http://wiki.geneontology.org/index.php/OBO-Edit:_Getting_the_Source_Code, for instructions on downloading the source code. Platform: Windows compatible, Mac OS X compatible, Linux compatible, Unix compatible

Abbreviations: OBO-Edit

Synonyms: OBO-Edit: The OBO Ontology Editor

Resource Type: software application, software resource, source code

Defining Citation: [PMID:17545183](#)

Keywords: ontology, browser, search engine, visualization, editor, software library, ontology or annotation browser, ontology or annotation search engine, ontology or annotation visualization, ontology or annotation editor

Availability: Open unspecified license - Free for academic use

Resource Name: OBO-Edit

Resource ID: SCR_005668

Alternate IDs: nlx_149107

Old URLs: <http://org.geneontology.oboedit>

Record Creation Time: 20220129T080231+0000

Record Last Update: 20260905T133131+0000

Ratings and Alerts

No rating or validation information has been found for OBO-Edit.

No alerts have been found for OBO-Edit.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Adamse P, et al. (2021) GMO Genetic Elements Thesaurus (GMO-GET): a controlled vocabulary for the consensus designation of introduced or modified genetic elements in genetically modified organisms. BMC bioinformatics, 22(1), 48.

Li M, et al. (2021) The protein-protein interaction ontology: for better representing and capturing the biological context of protein interaction. BMC genomics, 22(Suppl 5), 544.

Hotta K, et al. (2020) The ontology of the anatomy and development of the solitary ascidian Ciona: the swimming larva and its metamorphosis. Scientific reports, 10(1), 17916.

Denny P, et al. (2018) Exploring autophagy with Gene Ontology. Autophagy, 14(3), 419.

Roncaglia P, et al. (2017) The Gene Ontology of eukaryotic cilia and flagella. Cilia, 6, 10.

Nel M, et al. (2017) Exome sequencing identifies targets in the treatment-resistant ophthalmoplegic subphenotype of myasthenia gravis. Neuromuscular disorders : NMD, 27(9), 816.

Yordanova K, et al. (2017) Situation Model for Situation-Aware Assistance of Dementia Patients in Outdoor Mobility. Journal of Alzheimer's disease : JAD, 60(4), 1461.

Hinard V, et al. (2016) ICEPO: the ion channel electrophysiology ontology. Database : the journal of biological databases and curation, 2016.

Fisher HM, et al. (2016) DermO; an ontology for the description of dermatologic disease. Journal of biomedical semantics, 7, 38.

- Djoumbou Feunang Y, et al. (2016) ClassyFire: automated chemical classification with a comprehensive, computable taxonomy. *Journal of cheminformatics*, 8, 61.
- Sun X, et al. (2015) Whole-genome analysis revealed the positively selected genes during the differentiation of indica and temperate japonica rice. *PloS one*, 10(3), e0119239.
- Suzuki A, et al. (2015) Development of an Ontology for Periodontitis. *Journal of biomedical semantics*, 6, 30.
- Patel S, et al. (2015) Using Gene Ontology to describe the role of the neurexin-neuroligin-SHANK complex in human, mouse and rat and its relevance to autism. *BMC bioinformatics*, 16(1), 186.
- Mayer G, et al. (2014) Controlled vocabularies and ontologies in proteomics: overview, principles and practice. *Biochimica et biophysica acta*, 1844(1 Pt A), 98.
- Wiegand S, et al. (2013) Fermentation stage-dependent adaptations of *Bacillus licheniformis* during enzyme production. *Microbial cell factories*, 12, 120.
- Bard JB, et al. (2012) The AEO, an Ontology of Anatomical Entities for Classifying Animal Tissues and Organs. *Frontiers in genetics*, 3, 18.
- Bult CJ, et al. (2011) The representation of protein complexes in the Protein Ontology (PRO). *BMC bioinformatics*, 12, 371.
- Thessen AE, et al. (2011) Data issues in the life sciences. *ZooKeys*(150), 15.
- Fischer AH, et al. (2010) The normal development of *Platynereis dumerilii* (Nereididae, Annelida). *Frontiers in zoology*, 7, 31.
- Davis MJ, et al. (2010) Automatic, context-specific generation of Gene Ontology slims. *BMC bioinformatics*, 11, 498.