

Resource Summary Report

Generated by [Kravitz](#) on Sep 10, 2026

IT-GOM: Integrated Tool for IC-based GO Semantic Similarity Measures

RRID:SCR_005815

Type: Tool

Proper Citation

IT-GOM: Integrated Tool for IC-based GO Semantic Similarity Measures
(RRID:SCR_005815)

Resource Information

URL: <http://web.cbio.uct.ac.za/ITGOM/>

Proper Citation: IT-GOM: Integrated Tool for IC-based GO Semantic Similarity Measures
(RRID:SCR_005815)

Description: The Integrated Tool for IC-based GO Semantic Similarity Measures (IT-GOM) integrates the currently known GO semantic similarity measures into a single tool. It provides the information content (IC) of GO terms, semantic similarity between GO terms and GO-based protein functional similarity scores. The specificity of GO terms and the similarity of biological content between GO terms or proteins are transformed into numeric values for protein analyses at the functional level. The integration of the different measures enables users to choose the measure best suited to their application and to compare results between different semantic similarity measures. Platform: Online tool

Abbreviations: IT-GOM

Synonyms: Integrated Tool for IC-based GO Semantic Similarity Measures (IT-GOM), Integrated Tool for IC-based GO Semantic Similarity Measures

Resource Type: analysis service resource, data analysis service, production service resource, service resource

Keywords: semantic similarity, gene ontology, protein, functional similarity, function, annotation, topology

Funding: National Bioinformatics Network in South Africa ;
University of Cape Town; Western Cape; South Africa ;
Computational Biology research group at the Institute of Infectious Disease and Molecular Medicine

Availability: Open unspecified license - Free for academic use

Resource Name: IT-GOM: Integrated Tool for IC-based GO Semantic Similarity Measures

Resource ID: SCR_005815

Alternate IDs: nlx_149310

Record Creation Time: 20220129T080232+0000

Record Last Update: 20260905T133132+0000

Ratings and Alerts

No rating or validation information has been found for IT-GOM: Integrated Tool for IC-based GO Semantic Similarity Measures.

No alerts have been found for IT-GOM: Integrated Tool for IC-based GO Semantic Similarity Measures.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Mazandu GK, et al. (2013) DaGO-Fun: tool for Gene Ontology-based functional analysis using term information content measures. BMC bioinformatics, 14, 284.