

Resource Summary Report

Generated by [RRID](#) on Aug 15, 2026

[goatools](#)

RRID:SCR_025305

Type: Tool

Proper Citation

goatools (RRID:SCR_025305)

Resource Information

URL: <https://pypi.org/project/goatools/0.4.7/>

Proper Citation: goatools (RRID:SCR_025305)

Description: Software Python library for Gene Ontology analysis. Performs gene ontology enrichment analyses to determine over- and under-represented terms.

Synonyms: GOATOOLS

Resource Type: software toolkit, software resource, source code, software library

Defining Citation: [PMID:30022098](#)

Availability: Free, Available for download, Freely available

Resource Name: goatools

Resource ID: SCR_025305

Alternate URLs: <https://github.com/tanghaibao/goatools>

License: BSD-2-Clause license

Record Creation Time: 20240504T053244+0000

Record Last Update: 20260815T042934+0000

Ratings and Alerts

No rating or validation information has been found for goatools.

No alerts have been found for goatools.

Data and Source Information

Usage and Citation Metrics

We found 392 mentions in open access literature.

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

Xiao Z, et al. (2026) Mechanism by which Icariin suppresses pulmonary metastasis in triple-negative breast cancer through downregulation of the SPDL1/JAK2/STAT3 signaling pathway. *Cancer cell international*, 26(1).

Zhang K, et al. (2026) Genome-wide analysis of long noncoding RNAs in response to drought stress in the seeds of *Brassica napus*. *BMC genomics*, 27(1), 137.

Zhang Y, et al. (2026) Genome-wide association study (GWAS) and transcriptome analysis reveal new candidate genes for leaf size in alfalfa. *BMC plant biology*, 26(1).

Hossain M, et al. (2026) EffectorFisher: association of disease phenotype with pangenomic protein-isoform profiles for improved prediction of fungal pathogenicity effectors. *Scientific reports*, 16(1).

Wang J, et al. (2026) Molecular mechanisms of ABA-mediated cold stress response in *Dendrobium officinale*. *BMC plant biology*, 26(1).

Li B, et al. (2026) The asymmetrical ROS-METTL3-ESR1 axis in paraspinal muscle progenitor cells determines the progression of adolescent idiopathic scoliosis. *Experimental & molecular medicine*, 58(3), 725.

Yang J, et al. (2026) FoF1-ATPase-Mediated Proton Homeostasis Is the Dominant Mechanism Underlying Post-Acidification of *Streptococcus thermophilus*. *Foods (Basel, Switzerland)*, 15(4).

Liu H, et al. (2026) Application of Intracellular Vesicles Surpass Extracellular Vesicles in Regenerative Repair of Inflammatory Bone Defects via the LAMA4-Mediated YAP/TAZ Signalling. *Journal of extracellular vesicles*, 15(4), e70267.

Zhang J, et al. (2026) Transcriptional Regulation of Starch Biosynthesis in Sorghum Grain by a MIKC-Type MADS-Box Transcription Factor: An In Vitro Analysis. *Plants (Basel, Switzerland)*, 15(7).

Wang B, et al. (2026) Melanin Deficiency Is Associated with Immune Homeostasis in the Critically Endangered Yangtze Sturgeon (*Acipenser dabryanus*). *International journal of molecular sciences*, 27(12).

Lu H, et al. (2026) Integrated transcriptomic and proteomic profiling in keloid tissue. *PeerJ*, 14, e21407.

Chen T, et al. (2026) Functional analysis of target of rapamycin in regulating mycelial growth and development in *Penicillium italicum*. *International microbiology : the official journal of the Spanish Society for Microbiology*, 29(3), 345.

Sun M, et al. (2026) Constant Illumination Boosts Rice Immunity via the Nicotinamide Mononucleotide Signaling Pathway: A Mechanistic Exploration. *Rice* (New York, N.Y.), 19(1).

Zhang W, et al. (2026) Liver Kinase B1 in CD11c+ Cells Inhibits Fibrosis in Chronic Pancreatitis via the Oncostatin M Signaling. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(32), e75018.

Guan T, et al. (2026) Insights into the Interactions of Microalgae and Combined Macrolide Antibiotics: Removal Efficiency, Physiological-Biochemical Responses and Transcriptomic Analysis. *Plants* (Basel, Switzerland), 15(7).

Lei K, et al. (2026) Transcriptome analysis and characterization of cathepsin B-like protein in *Melanaphis sorghi* in response to resistant sorghum. *Molecular breeding : new strategies in plant improvement*, 46(5), 46.

Wu F, et al. (2026) Aged Gut Microbiota Induces Mucosal Transcriptional Dysregulation, Impairing Immune Surveillance. *Aging cell*, 25(5), e70533.

Zhang Y, et al. (2026) Transcriptomic analysis of differentially expressed genes associated with growth, meat quality, and fatty acid metabolism in Sunit lambs under varying rearing conditions. *BMC genomics*, 27(1), 47.

Zhang C, et al. (2026) Mechanistic Evaluation of Roxadustat for Pulmonary Fibrosis: Integrating Network Pharmacology, Transcriptomics, and Experimental Validation. *Pharmaceuticals* (Basel, Switzerland), 19(1).

Wang C, et al. (2026) Single-cell and spatial transcriptomics in *Phragmites australis* reveal the association of B chromosomes with plant invasiveness. *Genome biology*, 27(1).