

Resource Summary Report

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iTools

RRID:SCR_009626

Type: Tool

Proper Citation

iTools (RRID:SCR_009626)

Resource Information

URL: <http://itools.loni.usc.edu/>

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Description: An infrastructure for managing of diverse computational biology resources - data, software tools and web-services. The iTools design, implementation and meta-data content reflect the broad NCBC needs and expertise (www.NCBCs.org).

Abbreviations: iTools

Synonyms: ITools Resourceome, NCBC iTools

Resource Type: data access protocol, data or information resource, data repository, database, service resource, software repository, software resource, storage service resource, web service

Defining Citation: [PMID:18509477](#)

Keywords: computational neuroscience, data, experiment control, hardware, imaging genomics, information specification, java, loni pipeline, model, ontology, os independent, metadata

Funding: NIH Roadmap for Medical Research ;
NCRR U54-RR021813;
NIDA U54-DA021519;
NCI U54-CA121852;
NHGRI U54-HG004028;
NIGMS U54-GM072970;
NIBIB U54-EB005149;
NLM U54-LM008748

Availability: GNU Lesser General Public License

Resource Name: iTools

Resource ID: SCR_009626

Alternate IDs: nlx_155852

Alternate URLs: <http://www.nitrc.org/projects/itools>,
<http://www.loni.usc.edu/research/software>

Old URLs: <http://itools.loni.ucla.edu/>

Record Creation Time: 20220129T080254+0000

Record Last Update: 20260829T182336+0000

Ratings and Alerts

No rating or validation information has been found for iTools.

No alerts have been found for iTools.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 53 mentions in open access literature.

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

Chen M, et al. (2026) Highly diverse diazotrophs drive high N₂ fixation rates in a shallow submarine hydrothermal system. *Fundamental research*, 6(3), 1611.

Xie Z, et al. (2026) Dietary capsaicin supplementation attenuates jejunal injury of piglets challenged with lipopolysaccharide. *BMC veterinary research*, 22(1).

Diaz P, et al. (2026) Marginal Misfit Assessment in Common Restorative Materials for Cement-Retained Fixed Implant Prostheses: An In Vitro Comparative Study. *Clinical and experimental dental research*, 12(2), e70318.

Duan X, et al. (2026) Effects of *Ligilactobacillus agilis* W70 and dietary protein levels on feed efficiency, nitrogen metabolism, and rumen microbiota of lactating dairy cows. *Animal microbiome*, 8(1).

Liu L, et al. (2026) The function of Toll-like receptor 2 in control of transcriptome responses to the microbiome and microbiome composition. *Animal microbiome*, 8(1), 5.

Gao Z, et al. (2026) Biological valorization of methane and nitrogen gas-derived ammonia via methanotrophic bacteria for gut-beneficial nutrients. *Nature communications*, 17(1).

- An D, et al. (2026) Sweet Potato Gene Clusters Control Anthocyanin Biosynthesis and Leaf Morphology. *Plant biotechnology journal*, 24(7), 4500.
- Fu X, et al. (2026) Digestive Tract Structure and Seasonal Dynamics of Gut Microbiota in *Hypomesus nipponensis* from Bosten Lake. *Animals : an open access journal from MDPI*, 16(11).
- Nie J, et al. (2025) Dietary supplement of *Acanthopanax senticosus* decoction formula improves immune response via intestine flora of rabbits. *Frontiers in microbiology*, 16, 1508280.
- Maghraby A, et al. (2025) Genome-wide identification, characterization, and functional analysis of the CHX, SOS, and RLK genes in *Solanum lycopersicum* under salt stress. *Scientific reports*, 15(1), 1142.
- Suolang Q, et al. (2025) Study on intestinal microbial communities of three different cattle populations on Qinghai-Tibet Plateau. *PloS one*, 20(2), e0312314.
- Huang J, et al. (2025) Phylogenomic relationships and species delimitation of *Cotoneaster* ser. *Pannosi*, ser. *Buxifolii*, and related taxa. *Frontiers in plant science*, 16, 1575925.
- Li K, et al. (2025) Significant associations between high-risk sexual behaviors and enterotypes of gut microbiome in HIV-negative men who have sex with men. *mSphere*, 10(7), e0023225.
- Chen F, et al. (2025) Metagenomic insights into the microbial communities and functional traits of hot springs in Guizhou Province, China. *Frontiers in microbiology*, 16, 1615879.
- Yin H, et al. (2025) Multi-dimensional annotation of porcine variants using genomic and epigenomic features in pigs. *BMC biology*, 23(1), 188.
- Chen J, et al. (2025) Alterations in the salivary gland microbiota of *Haemaphysalis longicornis* during tick-to-host transmission of severe fever with thrombocytopenia syndrome virus. *Zoological research*, 46(2), 459.
- Shen Q, et al. (2025) TaxaCal: enhancing species-level profiling accuracy of 16S amplicon data. *BMC bioinformatics*, 26(1), 136.
- Li H, et al. (2025) Potential mechanisms underlying pathological fatigue-induced cardiac dysfunction. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(8), e70511.
- Zhu D, et al. (2024) A tip of the iceberg: genome survey indicated a complex evolutionary history of *Garuga Roxb.* species. *BMC genomics*, 25(1), 993.
- Sun Y, et al. (2024) Severe fever with thrombocytopenia syndrome virus infection shapes gut microbiome of the tick vector *Haemaphysalis longicornis*. *Parasites & vectors*, 17(1), 107.