

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

Defining Citation: [PMID:18509477](#)

Keywords: computational neuroscience, data, experiment control, hardware, imaging genomics, information specification, java, Ioni 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: 20250418T055217+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 36 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

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.

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.

Ghabban H, et al. (2024) Investigating the bacterial community of gray mangroves (*Avicennia marina*) in coastal areas of Tabuk region. *PeerJ*, 12, e18282.

Delgadillo R, et al. (2024) Increasing the efficiency of cone-beam CT based delta-radiomics using automated contours to predict radiotherapy-related toxicities in prostate cancer. *Scientific reports*, 14(1), 9563.

Khan NA, et al. (2024) C/N ratio effect on oily wastewater treatment using column type SBR: machine learning prediction and metagenomics study. *Scientific reports*, 14(1), 22950.

Wu ZY, et al. (2024) Genomic variation, environmental adaptation, and feralization in ramie, an ancient fiber crop. *Plant communications*, 5(8), 100942.

Maghraby A, et al. (2024) Genome-wide identification and evolutionary analysis of the AP2/EREBP, COX and LTP genes in *Zea mays* L. under drought stress. *Scientific reports*, 14(1), 7610.

Zhang P, et al. (2024) The relationship between gastric microbiome features and responses to neoadjuvant chemotherapy in gastric cancer. *Frontiers in microbiology*, 15, 1357261.

Tarique M, et al. (2024) Exopolysaccharides from *Enterococcus faecium* and *Streptococcus thermophilus*: Bioactivities, gut microbiome effects, and fermented milk rheology. *Food chemistry: X*, 21, 101073.

Kazamer N, et al. (2023) Considerations on the Wear Behavior of Vacuum-Remelted ZrO₂-Reinforced Self-Fluxing Ni-Based Thermally Sprayed Alloys. *Materials (Basel, Switzerland)*, 16(14).

Zhang F, et al. (2023) Effects of secretin gene knockout on the diversity, composition, and function of gut microbiota in adult male mice. *Frontiers in cellular and infection microbiology*, 13, 1257857.

Ge D, et al. (2023) Genomic Consequences of and Demographic Response to Pervasive Hybridization Over Time in Climate-Sensitive Pikas. *Molecular biology and evolution*, 40(1).

Delgadillo R, et al. (2022) Cone-beam CT delta-radiomics to predict genitourinary toxicities and international prostate symptom of prostate cancer patients: a pilot study. *Scientific reports*, 12(1), 20136.

Sang J, et al. (2022) Convergent and Divergent Age Patterning of Gut Microbiota Diversity in Humans and Nonhuman Primates. *mSystems*, 7(4), e0151221.

Wang X, et al. (2022) Whole-genome resequencing of the wheat A subgenome progenitor *Triticum urartu* provides insights into its demographic history and geographic adaptation. *Plant communications*, 3(5), 100345.

Rodríguez V, et al. (2021) Fracture Load of Metal, Zirconia and Polyetheretherketone Posterior CAD-CAM Milled Fixed Partial Denture Frameworks. *Materials (Basel, Switzerland)*, 14(4).

Ge D, et al. (2021) Demographic History and Genomic Response to Environmental Changes in a Rapid Radiation of Wild Rats. *Molecular biology and evolution*, 38(5), 1905.

Lim SB, et al. (2021) A novel quality assurance procedure for trajectory log validation using phantom-less real-time latency corrected EPID images. *Journal of applied clinical medical physics*, 22(3), 176.

Yang FX, et al. (2021) The genome of *Cymbidium sinense* revealed the evolution of orchid traits. *Plant biotechnology journal*, 19(12), 2501.