

Resource Summary Report

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Mercury

RRID:SCR_004231

Type: Tool

Proper Citation

Mercury (RRID:SCR_004231)

Resource Information

URL: <https://www.hgsc.bcm.edu/software/mercury>

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Description: An automated, flexible, and extensible analysis workflow that provides accurate and reproducible genomic results at scales ranging from individuals to large cohorts. The analysis pipeline is deployed in local hardware and the Amazon Web Services cloud via the DNAnexus platform.

Abbreviations: Mercury

Synonyms: Illumina Mercury pipeline

Resource Type: software resource

Defining Citation: [PMID:24475911](#)

Keywords: next-generation sequencing, genome, cloud, exome, cloud computing, illumina, bam, variant call file

Resource Name: Mercury

Resource ID: SCR_004231

Alternate IDs: OMICS_02290

Record Creation Time: 20220129T080223+0000

Record Last Update: 20260801T190239+0000

Ratings and Alerts

No rating or validation information has been found for Mercury.

No alerts have been found for Mercury.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 983 mentions in open access literature.

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

Bernús M, et al. (2025) Impact of Fluorine Pattern on Lipophilicity and Acid-Base Properties of 2-(Thiofluoroalkyl)pyridines: Insights from Experiments and Statistical Modeling. *Journal of medicinal chemistry*, 68(4), 4787.

Yao C, et al. (2025) A stable and biocompatible shortwave infrared nanoribbon for dual-channel in vivo imaging. *Nature communications*, 16(1), 4.

Morgan TEF, et al. (2025) Synthesis and evaluation of 6-arylaminobenzamides as positron emission tomography imaging ligands for the sphingosine-1-phosphate-5 receptor. *RSC medicinal chemistry*, 16(3), 1235.

Bouone YO, et al. (2025) Investigation of the anticancer activity of modified 4-hydroxyquinolone analogues: in vitro and in silico studies. *RSC advances*, 15(5), 3704.

Dias JSM, et al. (2025) Ruthenium(II) Complex with 1-Hydroxy-9,10-Anthraquinone Inhibits Cell Cycle Progression at G0/G1 and Induces Apoptosis in Melanoma Cells. *Pharmaceuticals (Basel, Switzerland)*, 18(1).

Capelo-Avilés S, et al. (2025) Selective adsorption of CO₂ in TAMOF-1 for the separation of CO₂/CH₄ gas mixtures. *Nature communications*, 16(1), 3243.

Zhao CY, et al. (2025) Rare-Earth Substitution Induced Symmetry Breaking for The First Sc-Based Nonlinear Optical Chalcogenide with High-Performance. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(8), e2411960.

P Domingues N, et al. (2025) Unraveling metal effects on CO₂ uptake in pyrene-based metal-organic frameworks. *Nature communications*, 16(1), 1516.

Zug GTL, et al. (2025) Scandium?Group 13 Heterobimetallic Methylidene Clusters. *Inorganic chemistry*, 64(28), 14031.

Seyfferth AL, et al. (2025) Concentrations and Health Implications of As, Hg, and Cd and Micronutrients in Rice and Emissions of CH₄ From Variably Flooded Paddies. *GeoHealth*, 9(8), e2025GH001410.

Lusardi M, et al. (2025) Targeting Ubiquitin-Specific Protease 7 with Novel 5-Amino-Pyrazole Inhibitors: Design, Synthesis, and Biological Evaluation. *ChemMedChem*, 20(16), e202500185.

Schmid D, et al. (2025) Detection of lithium in the exosphere of Mercury. *Nature communications*, 16(1), 6205.

Smith KT, et al. (2025) Uncapping energy transfer pathways in metal-organic frameworks through heterogeneous structures. *Nature communications*, 16(1), 7986.

Rodriguez-Rubio X, et al. (2025) Mechanochemical Alloying of Molecular Dopants in Expanded Analogs of Halide Perovskites. *Inorganic chemistry*, 64(34), 17279.

Mermigki MA, et al. (2025) On the nature of high-spin forms in the S2 state of the oxygen-evolving complex. *Chemical science*, 16(9), 4023.

Rosso C, et al. (2025) Exploring Tyramine's Role in the Formation of Supramolecular Adducts with Nonsteroidal Anti-Inflammatory Drugs. *Chemistry (Weinheim an der Bergstrasse, Germany)*, 31(26), e202500080.

Zhang XQ, et al. (2025) Phase-transfer-catalyst enabled enantioselective C-N coupling to access chiral boron-stereogenic BODIPYs. *Nature communications*, 16(1), 2735.

Burger NFV, et al. (2025) Evaluating long-read assemblers to assemble several aphididae genomes. *Briefings in bioinformatics*, 26(2).

Huang Y, et al. (2025) Effect of stearic acid and sodium stearate on hydrophobicity of nano calcium carbonate and mechanism of water vapor adsorption. *Scientific reports*, 15(1), 364.

Pukalski J, et al. (2025) Synthesis and characterization of allomelanin model from 1,8-dihydroxynaphthalene autooxidation. *Scientific reports*, 15(1), 567.