

Resource Summary Report

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enviPat

RRID:SCR_003034

Type: Tool

Proper Citation

enviPat (RRID:SCR_003034)

Resource Information

URL: <http://cran.r-project.org/web/packages/enviPat/>

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Description: Software for fast and very memory-efficient calculation of isotope patterns, subsequent convolution to theoretical envelopes (profiles) plus valley detection and centroidization or intensoid calculation. Batch processing, resolution interpolation, wrapper, adduct calculations and molecular formula parsing.

Synonyms: enviPat: Isotope pattern profile and centroid calculation for mass spectrometry

Resource Type: software resource

Keywords: standalone software, mac os x, unix/linux, windows, r

Availability: Free, Freely available

Resource Name: enviPat

Resource ID: SCR_003034

Alternate IDs: OMICS_02408

Record Creation Time: 20220129T080216+0000

Record Last Update: 20260815T182224+0000

Ratings and Alerts

No rating or validation information has been found for enviPat.

No alerts have been found for enviPat.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 33 mentions in open access literature.

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

Miro-Blanch J, et al. (2026) A targeted metabolomic method to detect epigenetically relevant metabolites. *Molecular metabolism*, 106, 102342.

Savani MR, et al. (2026) Nitrogen metabolism profiling reveals cell state-specific pyrimidine synthesis pathway choice. *Nature metabolism*, 8(5), 1124.

Janá? J, et al. (2026) Synthesis and Evaluation of Aromatic Sulfonamide and Disulfonamide Derivatives as Dengue Virus NS3-NS5 Interaction Inhibitors. *ChemMedChem*, 21(11), e70337.

Kowalczyk AE, et al. (2026) Liquid Atmospheric Pressure MALDI (LAP-MALDI) Mass Spectrometry: A Versatile Tool for the Characterization of Synthetic Polymers. *Rapid communications in mass spectrometry : RCM*, 40(16), e70102.

Parammal MJ, et al. (2026) Mechanism-Guided Precision Hydrolysis of Early Transition Metals to Access (Mixed-Metal) Oxo Clusters. *Angewandte Chemie (International ed. in English)*, 65(15), e25769.

Kondi? T, et al. (2025) ShinyScreen: mass spectrometry data inspection and quality checking utility. *Journal of cheminformatics*, 17(1), 98.

Svobodová K, et al. (2025) Substituent-Driven Anion-Binding Selectivity in Aliphatic Chain-Substituted 1,2-Phenylene Urea Macrocycles and Optimized Synthetic Methodology. *ChemistryOpen*, 14(8), e202400469.

Graça AP, et al. (2025) MftG is crucial for ethanol metabolism of mycobacteria by linking mycofactocin oxidation to respiration. *eLife*, 13.

Beloki Ezker I, et al. (2025) Streamlining Quantification and Data Harmonization of Polychlorinated Alkanes Using a Platform-Independent Workflow. *Environmental science & technology*, 59(41), 22074.

McCusker TL, et al. (2025) Developing Lanthanide-Nitrate Cluster Chemistry toward Rare Earth Separations. *Inorganic chemistry*, 64(33), 16789.

Savani MR, et al. (2025) Nitrogen metabolism profiling reveals cell state-specific pyrimidine synthesis pathway choice. *bioRxiv : the preprint server for biology*.

Zhao T, et al. (2024) ChloroDBPFinder: Machine Learning-Guided Recognition of Chlorinated Disinfection Byproducts from Nontargeted LC-HRMS Analysis. *Analytical chemistry*, 96(6), 2590.

Mendo Diaz O, et al. (2024) A Quasi Real-Time Evaluation of High-Resolution Mass Spectra of Complex Chlorinated Paraffin Mixtures and Their Transformation Products. *Analytical chemistry*, 96(30), 12378.

Siddiqui MU, et al. (2024) Screening Disinfection Byproducts in Arid-Coastal Wastewater: A Workflow Using GC×GC-TOFMS, Passive Sampling, and NMF Deconvolution Algorithm. *Journal of xenobiotics*, 14(2), 554.

Baljozovi? M, et al. (2024) Planar and Curved π -Extended Porphyrins by On-Surface Cyclodehydrogenation. *Journal of the American Chemical Society*, 146(50), 34600.

Unniram Parambil AR, et al. (2024) Atomically precise surface chemistry of zirconium and hafnium metal oxo clusters beyond carboxylate ligands. *Chemical science*, 15(42), 17380.

Hsu DJ, et al. (2023) Arginine limitation causes a directed DNA sequence evolution response in colorectal cancer cells. *bioRxiv : the preprint server for biology*.

Maugrion E, et al. (2023) Extracellular Vesicles Contribute to the Difference in Lipid Composition between Ovarian Follicles of Different Size Revealed by Mass Spectrometry Imaging. *Metabolites*, 13(9).

Marcinkowski D, et al. (2023) Unexpected structural complexity of d-block metallosupramolecular architectures within the benzimidazole-phenoxo ligand scaffold for crystal engineering aspects. *Scientific reports*, 13(1), 18055.

Papanastasiou D, et al. (2022) The Omnitrap Platform: A Versatile Segmented Linear Ion Trap for Multidimensional Multiple-Stage Tandem Mass Spectrometry. *Journal of the American Society for Mass Spectrometry*, 33(10), 1990.