

Resource Summary Report

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SIMCA

RRID:SCR_014688

Type: Tool

Proper Citation

SIMCA (RRID:SCR_014688)

Resource Information

URL: <http://umetrics.com/products/simca>

Proper Citation: SIMCA (RRID:SCR_014688)

Description: A company that provides data analysis software with features such as multivariate tools, data mining, process modeling and interactive graphics.

Resource Type: analysis service resource, data analysis service, production service resource, service resource

Keywords: metabolomics, metabolomics tool, data analysis, multivariate tools, data mining, process modeling, interactive graphics, data analysis service

Availability: Commercial, 30 day trial available

Resource Name: SIMCA

Resource ID: SCR_014688

Record Creation Time: 20220129T080321+0000

Record Last Update: 20260919T195734+0000

Ratings and Alerts

No rating or validation information has been found for SIMCA.

No alerts have been found for SIMCA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3073 mentions in open access literature.

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

Issmer AH, et al. (2026) Evaluating Coronavirus Stability: Insights From Raman Spectroscopy and Multivariate Analysis. *Journal of biophotonics*, 19(6), e70305.

Song G, et al. (2026) Excessive Kynurenine Metabolism Impairs Lysosomal acidification and Triggers mtDNA Release via the AHR/CISH/ATP6V1A Axis in Decidual Macrophages Associated with Unexplained Recurrent Pregnancy Loss. *International journal of biological sciences*, 22(2), 895.

Deng B, et al. (2026) Combined Transcriptomic and Metabolomic Analysis Reveals an Ethylene-Activated Regulatory Model on Monoterpenoid Indole Alkaloid Biosynthesis in *Catharanthus roseus*. *Plant biotechnology journal*, 24(2), 363.

Peterka O, et al. (2026) Benzoyl chloride derivatization improves selectivity and sensitivity of lipidomic quantitation in human serum of pancreatic cancer patients using RP-UHPLC/MS/MS. *Analytical and bioanalytical chemistry*, 418(2), 733.

Li J, et al. (2026) Effects of drying processes on the chemical and physical properties of safflower: Towards a multidimensional quality evaluation model. *PloS one*, 21(1), e0339180.

Ran X, et al. (2026) Multi-omics reveals cholesterol-driven macrophage metabolic reprogramming and inflammation in chronic obstructive pulmonary disease. *Genome medicine*, 18(1), 17.

Kataoka R, et al. (2026) Effects of *Aspergillus oryzae*-derived rice-koji protein on the sake metabolome. *Applied and environmental microbiology*, 92(3), e0195525.

Zhou M, et al. (2026) Development of surface enhanced Raman spectra coupled with machine learning analysis for differentiation of closely related species within *Enterobacter cloacae* complex. *BMC microbiology*, 26(1).

Dong J, et al. (2026) Terpenoids Associated with the Resistance of Poplar to Canker Disease as Revealed by Transcriptomics and Metabolomics Analyses. *Biology*, 15(3).

Zhou Y, et al. (2026) Metabolome Atlas of Brain Reveals Regional Shared and Unique Metabolic Drifts in Response to Type 2 Diabetes in Male Mice. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 40(2), e71450.

Li J, et al. (2026) RHOJ derived peptide promotes chemosensitivity by inhibiting glutamine metabolism in gastric cancer. *Journal of translational medicine*, 24(1).

Xu X, et al. (2026) Effects of Oil Properties on Stability Behavior of High-Energy-Density Fat Emulsions. *Foods (Basel, Switzerland)*, 15(4).

Shu N, et al. (2026) Major Volatile Aroma Composition, Organic Acids, and Color Characteristics: A Comparative Study of Berries and Wines from *Vitis amurensis* and Its Interspecific Hybrids. *Foods* (Basel, Switzerland), 15(4).

Tong K, et al. (2026) Red Yeast Rice-Driven Kombucha Fermentation: A Novel Strategy for Developing Functional Beverages with Enhanced Hypoglycemic and Hypolipidemic Properties. *Foods* (Basel, Switzerland), 15(4).

Zheng Y, et al. (2026) Multi-omics analysis reveals breed-specific differences in the quality and nutrition of goose eggs. *Food chemistry: X*, 34, 103651.

Zhang Y, et al. (2026) Metabolomic profiling of skeletal muscle in GSDMD-knockout mice reveals distinct metabolic alterations in sepsis-induced myopathy. *Open medicine* (Warsaw, Poland), 21(1), 20251311.

Han J, et al. (2026) Deciphering the Microbe-Metabolite Network in Irradiated Chicken Breast Meat: Multi-Omics Characterization of Differential Quality Response Mechanisms to Stepwise Irradiation Doses. *Microorganisms*, 14(2).

Zhang G, et al. (2026) Cultivation of *Inonotus hispidus* on Jujube Wood Waste: Effects on Fruiting Body Biological Characteristics, Nutrients, Active Constituents and Metabolic Profiles. *Journal of fungi* (Basel, Switzerland), 12(2).

Yassen MS, et al. (2026) Comparative analysis of flower volatiles from four *Jasminum* species growing in Egypt using multivariate analysis. *Scientific reports*, 16(1).

Jiang X, et al. (2026) Osteoblast-derived osteomodulin restrains osteoclastogenesis via ITGB8/RRM2-mediated reduction of mitochondrial respiration and mitochondrial ATP production. *Experimental & molecular medicine*, 58(3), 879.