

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: production service resource, data analysis service, service resource, analysis 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: 20260803T040703+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 2805 mentions in open access literature.

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

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.

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.

Jiao P, et al. (2026) Maternal undernutrition inhibits fetal rumen development: novel miRNA-736-mediated dual targeting of E2F2 and MYBL2 in sheep. *Journal of animal science and biotechnology*, 17(1), 2.

Lee JS, et al. (2026) Age-Dependent Metabolomic Signatures of Dietary Restriction in Mice. *Aging cell*, 25(1), e70309.

Zhang B, et al. (2026) Partially Replacing Dietary Carbohydrate With Unsaturated Fat or Protein Shifts Protein-Based HDL Subspecies Toward Lower Coronary Heart Disease Risk. *Arteriosclerosis, thrombosis, and vascular biology*, 46(1), 251.

Zhang HD, et al. (2026) Lipidomics analysis of the effects of gender on the lipid composition of pigeon meat. *Poultry science*, 105(1), 106120.

Han P, et al. (2026) Integrated multi-omics reveals microbial and metabolic mechanisms driving enhanced fermentation quality in cigar tobacco leaves with exogenous additives. *Bioresources and bioprocessing*, 13(1), 2.

Bobin P, et al. (2025) A specific metabolomic and lipidomic signature reveals the postpartum resolution of gestational diabetes mellitus or its evolution to type 2 diabetes in rat. *American journal of physiology. Endocrinology and metabolism*, 328(4), E493.

Kulkarni AJ, et al. (2025) L-Phenylalanine is a metabolic checkpoint of human Th2 cells. *Cell reports. Medicine*, 6(12), 102466.

Silva JG, et al. (2025) Impact of High-Fat Diet-induced Metabolic Dysfunction-associated Steatotic Liver Disease on Heart, Kidney, and Skeletal Muscle Metabolomes in Wild-Type Mice. *Journal of proteome research*, 24(5), 2491.

Yuan Q, et al. (2025) Rapid discrimination and ratio quantification of mixed antibiotics in aqueous solution through integrative analysis of SERS spectra via CNN combined with NN-EN model. *Journal of advanced research*, 69, 61.

Liu X, et al. (2025) Analysis of fermentation characteristics in fermented grains across seven rounds of sauce-flavored Baijiu: Microbial communities structure, physicochemical parameters, volatile and non-volatile flavor compounds. *Food chemistry: X*, 25, 102228.

Duan S, et al. (2025) The transport of polyphenols from *Camellia fascicularis* in Caco-2 cells based on UPLC-ESI-MS/MS. *Food chemistry: X*, 25, 102240.

Bai S, et al. (2025) Flavonoids profile and antioxidant capacity of four wine grape cultivars and their wines grown in the Turpan Basin of China, the hottest wine region in the world. *Food chemistry: X*, 26, 102301.

Ranade SS, et al. (2025) Metabolomic profiling of shade response and in silico analysis of PAL homologs imply the potential presence of bifunctional ammonia lyases in conifers. *Physiologia plantarum*, 177(2), e70175.

Qiao X, et al. (2025) Comprehensive mutant chemotyping reveals embedding of a lineage-specific biosynthetic gene cluster in wider plant metabolism. *Proceedings of the National Academy of Sciences of the United States of America*, 122(12), e2417588122.

Raita J, et al. (2025) Existing food processing classifications overlook the phytochemical composition of processed plant-based protein-rich foods. *Nature food*, 6(5), 503.

Ried K, et al. (2025) Kyolic aged garlic extract improves aerobic fitness in middle-aged recreational endurance athletes: A randomized double-blind placebo-controlled 3 month trial. *Experimental and therapeutic medicine*, 29(4), 86.

Ueda S, et al. (2025) Metabolites and Free Fatty Acids in Japanese Black Beef During Wet Aging. *Metabolites*, 15(2).

Mu L, et al. (2025) The Combined Toxic Effects of Polystyrene Microplastics and Arsenate on Lettuce Under Hydroponic Conditions. *Toxics*, 13(2).