

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 16, 2026

ABACUS

RRID:SCR_013039

Type: Tool

Proper Citation

ABACUS (RRID:SCR_013039)

Resource Information

URL: <http://www.dei.unipd.it/~sambofra/abacus.html>

Proper Citation: ABACUS (RRID:SCR_013039)

Description: An Algorithm based on a BivAriate CUMulative Statistic to identify SNPs significantly associated with a disease within predefined sets of SNPs such as pathways or genomic regions.

Abbreviations: ABACUS

Synonyms: ABACUS: an entropy based cumulative bivariate statistic robust to rare variants and different direction of genotype effect

Resource Type: software resource

Defining Citation: [PMID:24292361](#)

Availability: GNU General Public License, Acknowledgement requested

Resource Name: ABACUS

Resource ID: SCR_013039

Alternate IDs: OMICS_00297

Record Creation Time: 20220129T080313+0000

Record Last Update: 20260912T195758+0000

Ratings and Alerts

No rating or validation information has been found for ABACUS.

No alerts have been found for ABACUS.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 79 mentions in open access literature.

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

Zhang S, et al. (2026) Wafer-scale high- γ HfO₂ dielectric films with sub-5-Å equivalent oxide thickness for 2D MoS₂ transistors. *Nature communications*, 17(1).

Almulhem JA, et al. (2026) Arabic Wellness Apps in the MENA Region and Saudi Arabia: Current Evidence and Systematic Evaluation. *Healthcare (Basel, Switzerland)*, 14(11).

Xu S, et al. (2026) Ultralong octupole moment switching driven by twin topological spin structures. *Nature communications*, 17(1).

Ding H, et al. (2026) Protein Language Model-Guided Engineering of a 2,3-Butanediol Dehydrogenase for the Enantioselective Synthesis of Cyclic γ -Hydroxy Ketones. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(18), e09314.

Siriaporn N, et al. (2025) Promoting active transportation through technology: a scoping review of mobile apps for walking and cycling. *BMC public health*, 25(1), 952.

Brea-Iglesias J, et al. (2025) Genomics guiding personalized first-line immunotherapy response in lung and bladder tumors. *Journal of translational medicine*, 23(1), 404.

Song Y, et al. (2025) Haplotype-Phased Chromosome-Level Genome Assembly of *Cryptoporus qinlingensis*, a Typical Traditional Chinese Medicine Fungus. *Journal of fungi (Basel, Switzerland)*, 11(2).

Kohta M, et al. (2025) Evaluating the Knowledge Level, Practice, and Behavioral Change Potential of Care Managers in Pressure Injury Prevention Using a Mobile App Prototyping Model in the Home-Care Setting: Single-Arm, Pre-Post Pilot Study. *JMIR formative research*, 9, e57768.

Li P, et al. (2025) Multi-Parameter Modulation of Dirac Plasmons in Germanene via Doping and Strain: A DFT Insight. *Materials (Basel, Switzerland)*, 18(21).

Qi J, et al. (2025) Haplotype-Phased Chromosome-Level Genome Assembly of *Floccularia luteovirens* Provides Insights into Its Taxonomy, Adaptive Evolution, and Biosynthetic Potential. *Journal of fungi (Basel, Switzerland)*, 11(9).

González-Orozco E, et al. (2025) Genome-wide analysis in human populations reveals mitonuclear disequilibrium in genes related to neurological function. *Scientific reports*, 15(1), 27794.

Faiela C, et al. (2025) Knowledge and practices of healthcare professionals regarding antibiotic use in a district hospital, Southern Mozambique: a cross-sectional study.

Scientific reports, 15(1), 14333.

Hu T, et al. (2025) Observation of dendrite formation at Li metal-electrolyte interface by a machine-learning enhanced constant potential framework. Nature communications, 16(1), 7379.

Planas JV, et al. (2025) Mechanisms underlying thermally induced growth plasticity in juvenile Pacific halibut. The Journal of experimental biology, 228(19).

Sayin FS, et al. (2024) A Comprehensive Investigation on Catalytic Behavior of Anaerobic Jar Gassing Systems and Design of an Enhanced Cultivation System. Bioengineering (Basel, Switzerland), 11(11).

Ureña-Lorenzo A, et al. (2024) Content, Behaviour Change Techniques, and Quality of Postpartum Depression Apps to Be Recommended by Midwives: Systematic Search and Evaluation. Nursing reports (Pavia, Italy), 14(3), 2291.

Bakhsh S, et al. (2024) Investigating structural and electronic properties of neutral zinc clusters: a G0W0 and G0W0+0(1) benchmark. Beilstein journal of nanotechnology, 15, 310.

McKay F, et al. (2024) Assessing the Quality and Behavior Change Potential of Vaping Cessation Apps: Systematic Search and Assessment. JMIR mHealth and uHealth, 12, e55177.

Cui Y, et al. (2024) Computational redesign of a hydrolase for nearly complete PET depolymerization at industrially relevant high-solids loading. Nature communications, 15(1), 1417.

Bakhsh S, et al. (2024) Ca n neutral clusters: a two-step G 0 W 0 and DFT benchmark. Beilstein journal of nanotechnology, 15, 1010.