Resource Summary Report

Generated by RRID on Aug 12, 2026

Ratan-lab (SUMO)

RRID:SCR_025687
Type: Tool

Proper Citation

Ratan-lab (SUMO) (RRID:SCR_025687)

Resource Information

URL: https://github.com/ratan-lab/sumo

Proper Citation: Ratan-lab (SUMO) (RRID:SCR_025687)

Description: Software for multiomic nonnegative matrix factorization.

Abbreviations: SUMO

Resource Type: source code, software resource

Defining Citation: DOI:10.1016/j.crmeth.2021.100152

Keywords: multiomic nonnegative matrix factorization, matrix factorization

Availability: Free, Available for download, Freely available,

Resource Name: Ratan-lab (SUMO)

Resource ID: SCR_025687

License: MIT license

Record Creation Time: 20240903T053254+0000

Record Last Update: 20260810T040850+0000

Ratings and Alerts

No rating or validation information has been found for Ratan-lab (SUMO).

No alerts have been found for Ratan-lab (SUMO).

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 42 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Gutiérrez-Moreno R, et al. (2026) A Curriculum Approach to Reduce the Dynamics-Related Reality Gap in Autonomous Driving Decision-Making. Sensors (Basel, Switzerland), 26(12).

Pérez Castro G, et al. (2026) Microscopic simulation of free riding speed dynamics in bicycle traffic: Modeling heterogeneous context-dependent effects. PloS one, 21(6), e0351469.

Zhang H, et al. (2026) Graph transformer Q-network for collaborative governance and decentralized decision-making in multi-intersection networks. Scientific reports, 16(1).

Ling Z, et al. (2026) Crystalline Dion-Jacobson 2D Layered Sn-Based Perovskites for Field-Effect Transistors. Journal of the American Chemical Society, 148(12), 12764.

Al-Momani SS, et al. (2026) A Landscape Analysis of Human SUMOylation. Molecular & cellular proteomics : MCP, 25(5), 101571.

Watkins AK, et al. (2026) Metallic Oxides and the Overlooked Role of Bandwidth. Chemistry of materials : a publication of the American Chemical Society, 38(4), 1551.

Chang Q, et al. (2025) Impacts of autonomous vehicles on freeway with conditional isolated and dedicated lanes. Scientific reports, 15(1), 21374.

Li M, et al. (2025) Federated deep reinforcement learning-based urban traffic signal optimal control. Scientific reports, 15(1), 11724.

Sun L, et al. (2025) CAV1 Exacerbates Renal Tubular Epithelial Cell Senescence by Suppressing CaMKK2/AMPK-Mediated Autophagy. Aging cell, 24(5), e14501.

Delaforge E, et al. (2025) Allovalent scavenging of activation domains in the transcription factor ANAC013 gears transcriptional regulation. Nucleic acids research, 53(4).

Wang Y, et al. (2025) Impact of regional driving behavior differences on traffic flow. Scientific reports, 15(1), 9027.

Oda K, et al. (2025) Molecular basis of IFN-?-induced STAT3 phosphorylation stimulated by Sendai virus C protein. The Journal of biological chemistry, 301(11), 110744.

Huang Z, et al. (2025) De Novo Biosynthesis of Antidepressant Psilocybin in Escherichia coli. Microbial biotechnology, 18(4), e70135.

Shen J, et al. (2025) Intersection passing strategies for human-driven and autonomous vehicles in mixed traffic using DEA. PloS one, 20(4), e0321566.

Gorodetska I, et al. (2025) Blood-based detection of MMP11 as a marker of prostate cancer progression regulated by the ALDH1A1-TGF-?1 signaling mechanism. Journal of experimental & clinical cancer research : CR, 44(1), 105.

He Y, et al. (2025) Traffic safety evaluation of emerging mixed traffic flow at freeway merging area considering driving behavior. Scientific reports, 15(1), 10686.

Gao Z, et al. (2025) Vehicle-to-everything decision optimization and cloud control based on deep reinforcement learning. Scientific reports, 15(1), 29160.

Kahya U, et al. (2025) Disruption of glutamine transport uncouples the NUPR1 stress-adaptation program and induces prostate cancer radiosensitivity. Cell communication and signaling : CCS, 23(1), 351.

Saar D, et al. (2025) The Myotubularin Related Proteins and the Untapped Interaction Potential of Their Disordered C-Terminal Regions. Proteins, 93(4), 831.

Baker CNS, et al. (2025) Proline variants in the BRCA1 coiled-coil domain disrupt folding and binding to PALB2. Protein science : a publication of the Protein Society, 34(1), e5240.