

Resource Summary Report

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Wolfram Mathematica

RRID:SCR_014448

Type: Tool

Proper Citation

Wolfram Mathematica (RRID:SCR_014448)

Resource Information

URL: <https://www.wolfram.com/mathematica/>

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Description: A technical computing software and computing environment that provides users with algorithms and mathematical functions for various projects and purposes. The resource incorporates other Wolfram products such as Wolfram Algorithmbase, Wolfram Language, and Wolfram Knowledgebase.

Resource Type: data analytics software, data processing software, data storage software, data visualization software, software application, software resource

Keywords: analysis, computing, machine learning, wolfram notebook, meta-algorithm, cloud

Availability: Commercial product

Resource Name: Wolfram Mathematica

Resource ID: SCR_014448

License: <http://www.wolfram.com/legal/agreements/wolfram-mathematica.html>

License URLs: <http://www.wolfram.com/legal/privacy/wolfram-mathematica.html>

Record Creation Time: 20220129T080320+0000

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Ratings and Alerts

No rating or validation information has been found for Wolfram Mathematica.

No alerts have been found for Wolfram Mathematica.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 511 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Peter John A, et al. (2026) Optimizing solid waste, effluents and blockchain technology efforts towards a sustainable palm oil stochastic supply chain model. Scientific reports, 16(1).

Engel D, et al. (2026) Protocol for whole-cell patch-clamp recording and post hoc identification of hippocampal CA2 pyramidal neurons in adult mouse brain slices. STAR protocols, 7(2), 104470.

Mao T, et al. (2026) Chaotic fluctuations mark the sign of mental activity in task-based heart rate variability. Scientific reports, 16(1).

Salvidge W, et al. (2026) Lineage priming and cell type proportioning depends on the interplay between stochastic and deterministic factors. eLife, 14.

Mohand FA, et al. (2026) Aggressive Glioblastoma Cells Enhance the Migratory Persistence and Velocity of Less Aggressive Cells to Promote Tumor Dissemination. Small (Weinheim an der Bergstrasse, Germany), 22(11), e08142.

Lindahl PA, et al. (2026) A kinetic mathematical model of comprehensive iron metabolism in a respiring yeast cell: a basic-pathways approach to solving a large system dynamically. Biometals : an international journal on the role of metal ions in biology, biochemistry, and medicine, 39(1), 231.

Hedvi?áková V, et al. (2026) Antimicrobial Functionalization of Composite Nanofibrous Yarns as Surgical Sutures. Macromolecular bioscience, 26(2), e00510.

Rashid A, et al. (2026) Effect of polyvinylpyrrolidone molecular weight and concentration on its dual role in the synthesis, stability and antimicrobial activity of silver nanoparticles. Scientific reports, 16(1).

Kimmel GJ, et al. (2026) Universal principles of cell population growth follow from local contact inhibition. iScience, 29(6), 115953.

Xiao T, et al. (2025) Local non-Hermitian Hamiltonian formalism for dissipative fermionic systems and loss-induced population increase in Fermi superfluids. iScience, 28(6), 112641.

Khater MMA, et al. (2025) Nonlinear dynamics of self-sustaining waves in anisotropic media. Scientific reports, 15(1), 25844.

Padman BS, et al. (2025) AI-directed voxel extraction and volume EM identify intrusions as sites of mitochondrial contact. *The Journal of cell biology*, 224(10).

Murakami H, et al. (2025) Speed and accuracy tradeoff in whole body movement during vertical jumps under varying landing constraints. *Scientific reports*, 15(1), 19966.

Guilloux G, et al. (2025) Fixation and Expansion Microscopy of *Xenopus* Egg Extract Spindles. *Bio-protocol*, 15(14), e5396.

Wang W, et al. (2025) Dual opposing quadrature-PT symmetry. *iScience*, 28(1), 111655.

Ellis DA, et al. (2025) The GABAA receptor RDL modulates the auditory sensitivity of malaria mosquitoes. *iScience*, 28(9), 113264.

Ahmad S, et al. (2025) Spatial statistics of submicron size clusters of activating and inhibitory Natural Killer cell receptors in the resting state regulate early time signal discrimination. *bioRxiv : the preprint server for biology*.

Yoon CH, et al. (2025) Predictive modeling of Super El Niño through integrated local and global climate signals. *Scientific reports*, 15(1), 16479.

Inoue M, et al. (2025) Study on the chirality of gyroid photonic crystals in butterfly wing scales. *Scientific reports*, 15(1), 20968.

Hussain A, et al. (2025) Exploring soliton solutions and dynamical features of three dimensional Gardner Kadomtsov Petviashvili equation. *Scientific reports*, 15(1), 37175.