

# Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

## Mayavi: 3D Scientific Data Visualization and Plotting Software Project

RRID:SCR\_008335

Type: Tool

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### Proper Citation

Mayavi: 3D Scientific Data Visualization and Plotting Software Project  
(RRID:SCR\_008335)

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### Resource Information

**URL:** <http://code.enthought.com/projects/mayavi/>

**Proper Citation:** Mayavi: 3D Scientific Data Visualization and Plotting Software Project  
(RRID:SCR\_008335)

**Description:** Software packages for 3D visualization: Mayavi2 for data visualization and TVTK for object manipulation.

**Synonyms:** Mayavi

**Resource Type:** software resource, software application, data visualization software, data processing software

**Keywords:** functionality, plot, scalar, scientific, vector, visualization, python, api

**Resource Name:** Mayavi: 3D Scientific Data Visualization and Plotting Software Project

**Resource ID:** SCR\_008335

**Alternate IDs:** nif-0000-24918

**Record Creation Time:** 20220129T080246+0000

**Record Last Update:** 20260808T185900+0000

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### Ratings and Alerts

No rating or validation information has been found for Mayavi: 3D Scientific Data Visualization and Plotting Software Project.

## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 28 mentions in open access literature.

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

Wang S, et al. (2026) Integrated three-dimensional genomic analysis reveals that dynamic changes in chromatin structure are associated with differences in egg production performance between White Leghorn and Wenchang chickens. Poultry science, 105(9), 107260.

Zhang Y, et al. (2026) Haplotype-resolved telomere-to-telomere genome of *Aphelenchus avenae* implicates P5CS in nematode desiccation stress response. Genome research, 36(4), 726.

Yao X, et al. (2025) MAT-PointPillars: Enhanced PointPillars algorithm based on multi-scale attention mechanisms and transformer. PloS one, 20(6), e0325373.

Negro G, et al. (2025) Topology controls flow patterns in active double emulsions. Nature communications, 16(1), 1412.

Lock C, et al. (2024) Structural volumetric and Periodic Table DTI patterns in Complex Normal Pressure Hydrocephalus-Toward the principles of a translational taxonomy. Frontiers in human neuroscience, 18, 1188533.

Head LC, et al. (2024) Majorana quasiparticles and topological phases in 3D active nematics. Proceedings of the National Academy of Sciences of the United States of America, 121(52), e2405304121.

Nolte P, et al. (2023) Spatial correlation of 2D hard-tissue histology with 3D microCT scans through 3D printed phantoms. Scientific reports, 13(1), 18479.

Gandolfi D, et al. (2023) Full-scale scaffold model of the human hippocampus CA1 area. Nature computational science, 3(3), 264.

Fusè M, et al. (2022) Anharmonic Aspects in Vibrational Circular Dichroism Spectra from 900 to 9000 cm<sup>-1</sup> for Methyloxirane and Methylthiirane. The journal of physical chemistry. A, 126(38), 6719.

Perry BW, et al. (2021) Microchromosomes Exhibit Distinct Features of Vertebrate Chromosome Structure and Function with Underappreciated Ramifications for Genome Evolution. Molecular biology and evolution, 38(3), 904.

Costantini I, et al. (2021) Autofluorescence enhancement for label-free imaging of myelinated fibers in mammalian brains. *Scientific reports*, 11(1), 8038.

Young DM, et al. (2021) Constructing and optimizing 3D atlases from 2D data with application to the developing mouse brain. *eLife*, 10.

Nordbø Ø, et al. (2020) Modelling the shape of the pig scapula. *Genetics, selection, evolution : GSE*, 52(1), 36.

Wu Y, et al. (2020) An Optical Illusion Pinpoints an Essential Circuit Node for Global Motion Processing. *Neuron*, 108(4), 722.

Prieto JL, et al. (2020) Viscoelastic Effects on Drop Deformation Using a Machine Learning-Enhanced, Finite Element Method. *Polymers*, 12(8).

Matthews HS, et al. (2018) Modelling 3D craniofacial growth trajectories for population comparison and classification illustrated using sex-differences. *Scientific reports*, 8(1), 4771.

Richter D, et al. (2018) Suppressed Sensory Response to Predictable Object Stimuli throughout the Ventral Visual Stream. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(34), 7452.

Devarajan K, et al. (2016) The Antsy Social Network: Determinants of Nest Structure and Arrangement in Asian Weaver Ants. *PloS one*, 11(6), e0156681.

Criscione SW, et al. (2016) Reorganization of chromosome architecture in replicative cellular senescence. *Science advances*, 2(2), e1500882.

Gottschalk S, et al. (2015) Short and long-term phototoxicity in cells expressing genetic reporters under nanosecond laser exposure. *Biomaterials*, 69, 38.