

# Resource Summary Report

Generated by [SPARC SAWG](#) on Jul 29, 2026

## SciUnit

RRID:SCR\_014528

Type: Tool

### Proper Citation

SciUnit (RRID:SCR\_014528)

### Resource Information

**URL:** <https://github.com/scidash/sciunit>

**Proper Citation:** SciUnit (RRID:SCR\_014528)

**Description:** A test-driven framework for formally validating scientific models against data.

**Resource Type:** software resource

**Keywords:** python, framework, validation, scientific method

**Resource Name:** SciUnit

**Resource ID:** SCR\_014528

**License:** MIT license

**Record Creation Time:** 20220129T080320+0000

**Record Last Update:** 20260725T190806+0000

### Ratings and Alerts

No rating or validation information has been found for SciUnit.

No alerts have been found for SciUnit.

### Data and Source Information

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

### Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Sinha A, et al. (2025) The NeuroML ecosystem for standardized multi-scale modeling in neuroscience. eLife, 13.

Takács V, et al. (2024) Synaptic and dendritic architecture of different types of hippocampal somatostatin interneurons. PLoS biology, 22(3), e3002539.

Sáray S, et al. (2021) HippoUnit: A software tool for the automated testing and systematic comparison of detailed models of hippocampal neurons based on electrophysiological data. PLoS computational biology, 17(1), e1008114.

Sarma GP, et al. (2018) OpenWorm: overview and recent advances in integrative biological simulation of *Caenorhabditis elegans*. Philosophical transactions of the Royal Society of London. Series B, Biological sciences, 373(1758).

Gutzen R, et al. (2018) Reproducible Neural Network Simulations: Statistical Methods for Model Validation on the Level of Network Activity Data. Frontiers in neuroinformatics, 12, 90.

Rougier NP, et al. (2017) Sustainable computational science: the ReScience initiative. PeerJ. Computer science, 3, e142.