

Resource Summary Report

Generated by [ASWG](#) on Aug 4, 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: 20260801T190513+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 [ASWG](#) .

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.

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.

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).

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