

Resource Summary Report

Generated by [dkNET](#) on Sep 20, 2026

CalmAn

RRID:SCR_021152

Type: Tool

Proper Citation

CalmAn (RRID:SCR_021152)

Resource Information

URL: <https://caiman.readthedocs.io/>

Proper Citation: CalmAn (RRID:SCR_021152)

Description: Software Python toolbox for large scale calcium imaging data analysis and behavioral analysis. Used for motion correction, source extraction, spike deconvolution, and component registration across multiple days. It is suitable for both two-photon and one-photon fluorescence microscopy data, and can be run in both batch and online modes. Contains some routines for analysis of behavior from video cameras.

Resource Type: data analysis software, data processing software, software application, software resource

Keywords: Calcium imaging data analysis, behavioral analysis, motion correction, source extraction, spike deconvolution, photon fluorescence microscopy data

Availability: Free, Available for download, Freely available

Resource Name: CalmAn

Resource ID: SCR_021152

Alternate URLs: <https://caiman.readthedocs.io/en/master/Overview.html>,
<https://www.nwb.org/tools/>

License: GNU GPL

Record Creation Time: 20220129T080354+0000

Record Last Update: 20260919T195449+0000

Ratings and Alerts

No rating or validation information has been found for CalmAn.

No alerts have been found for CalmAn.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Arinel M, et al. (2026) Gut distension evokes rapid neural dynamics in vagal and hindbrain populations of larval zebrafish. *iScience*, 29(6), 116206.

Mancienne T, et al. (2026) Visual Threat Location Impacts Brain-Wide Visual Adaptation Networks. *The Journal of comparative neurology*, 534(7), e70182.

Aymard P, et al. (2026) Graph-based analysis of volumetric image data reveals predominant layer Va-to-II/III feedback in mouse motor cortex. *Cell reports*, 45(7), 117618.

Palchaudhuri S, et al. (2025) A posterior insula to lateral amygdala pathway transmits US-offset information with a limited role in fear learning. *Cell reports*, 44(2), 115320.

Ofer N, et al. (2024) Spike transmission failures in axons from cortical neurons in?vivo. *iScience*, 27(10), 110884.

Kintscher M, et al. (2023) A striatal circuit balances learned fear in the presence and absence of sensory cues. *eLife*, 12.

Bounds HA, et al. (2023) All-optical recreation of naturalistic neural activity with a multifunctional transgenic reporter mouse. *Cell reports*, 42(8), 112909.

Offner T, et al. (2023) Functional odor map heterogeneity is based on multifaceted glomerular connectivity in larval *Xenopus* olfactory bulb. *iScience*, 26(9), 107518.

Haam J, et al. (2023) Entorhinal cortical delta oscillations drive memory consolidation. *Cell reports*, 42(10), 113267.