Resource Summary Report

Generated by NIF on May 21, 2025

calciumImagingAnalysis

RRID:SCR_021153
Type: Tool

Proper Citation

calciumImagingAnalysis (RRID:SCR_021153)

Resource Information

URL: https://github.com/bahanonu/ciatah

Proper Citation: calciumImagingAnalysis (RRID:SCR_021153)

Description: Software package for analyzing one and two photon calcium imaging datasets.Can be used to create GUI-less, command line ready analysis pipelines. Supports Neurodata Without Borders data standard for reading/writing cell-extraction (e.g. outputs of PCA-ICA, CELLMax, CNMF, CNMF-E, EXTRACT, etc.). Supports reading and writing NWB movie files with continued integration planned. Supports most major imaging movie file formats: HDF5, NWB, AVI, ISXD [Inscopix], and TIFF.

Synonyms: CIAtah

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

Keywords: Photon calcium imaging datasets analysis, command line ready analysis pipelines, Neurodata Without Borders data standard

Funding:

Availability: Free, Available for download, Freely available

Resource Name: calciumImagingAnalysis

Resource ID: SCR_021153

Alternate URLs: https://www.nwb.org/tools/

License: GNU General Public License v3.0

Record Creation Time: 20220129T080354+0000

Record Last Update: 20250521T061814+0000

Ratings and Alerts

No rating or validation information has been found for calciumImagingAnalysis.

No alerts have been found for calciumImagingAnalysis.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Ahanonu B, et al. (2023) Long-term optical imaging of the spinal cord in awake, behaving animals. bioRxiv : the preprint server for biology.

Zong W, et al. (2022) Large-scale two-photon calcium imaging in freely moving mice. Cell, 185(7), 1240.