

Resource Summary Report

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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 toolkit, software application, data processing software, data analysis software, software resource

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

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: 20260804T043733+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 [ASWG](#) .

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.