

Resource Summary Report

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EZcalcium

RRID:SCR_022354

Type: Tool

Proper Citation

EZcalcium (RRID:SCR_022354)

Resource Information

URL: <https://edspace.american.edu/openbehavior/project/ezcalcium/>

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Description: Software package for MATLAB that makes motion correction, segmentation, signal extraction and dimension reduction, analysis, and visualization of calcium imaging data easy to implement. Open source toolbox for analysis of calcium imaging data.

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

Defining Citation: [DOI:10.3389/fncir.2020.00025](https://doi.org/10.3389/fncir.2020.00025)

Keywords: OpenBehavior, neural signal analysis, neural recording, optical imaging, analyze calcium imaging data

Availability: Free, Available for download, Freely available

Resource Name: EZcalcium

Resource ID: SCR_022354

Alternate URLs: <https://github.com/porteralab/EZcalcium>

License: GPL v3

Record Creation Time: 20220602T050140+0000

Record Last Update: 20260912T200025+0000

Ratings and Alerts

No rating or validation information has been found for EZcalcium.

No alerts have been found for EZcalcium.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Guzman AR, et al. (2026) Protocol for characterization of spatiotemporal network dynamics in cortical and hippocampal assembloids. STAR protocols, 7(2), 104463.

Kuno H, et al. (2026) Intralaminar thalamus relays basal ganglia output to the insular cortex to drive tic generation. Cell reports, 45(5), 117272.

Grove JCR, et al. (2025) A lateralized pathway for associating nutrients with flavors. bioRxiv : the preprint server for biology.