Resource Summary Report

Generated by RRID on Apr 8, 2025

Calcium ActiVity Explorer

RRID:SCR_021498
Type: Tool

Proper Citation

Calcium ActiVity Explorer (RRID:SCR_021498)

Resource Information

URL: https://github.com/mtlippert/CAVE

Proper Citation: Calcium ActiVity Explorer (RRID:SCR_021498)

Description: Open source tool for combined analysis of head mounted calcium imaging and behavior. Used to analyze imaging data from head mounted microscopes simultaneously with behavioral data.

Abbreviations: CAVE

Synonyms: Calcium ActiVity Explorer

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

Defining Citation: DOI:10.3389/fnins.2018.00958

Keywords: Head mounted calcium imaging, calcium imaging and behavior, calcium imaging, analyze imaging data, head mounted microscopes, behavioral data, OpenBehavior

Funding:

Availability: Free, Available for download, Freely Available

Resource Name: Calcium ActiVity Explorer

Resource ID: SCR_021498

Alternate URLs: https://edspace.american.edu/openbehavior/project/cave/

Record Creation Time: 20220129T080355+0000

Record Last Update: 20250407T220618+0000

Ratings and Alerts

No rating or validation information has been found for Calcium ActiVity Explorer.

No alerts have been found for Calcium ActiVity Explorer.

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 RRID.

Hata H, et al. (2020) High pressure inhibits signaling protein binding to the flagellar motor and bacterial chemotaxis through enhanced hydration. Scientific reports, 10(1), 2351.

Favor AH, et al. (2020) Optimizing bacteriophage engineering through an accelerated evolution platform. Scientific reports, 10(1), 13981.