## **Resource Summary Report**

Generated by <u>dkNET</u> on Apr 26, 2025

# **pyControl**

RRID:SCR\_021612 Type: Tool

**Proper Citation** 

pyControl (RRID:SCR\_021612)

#### **Resource Information**

URL: https://github.com/pyControl

Proper Citation: pyControl (RRID:SCR\_021612)

**Description:** Open source software Python tool for behavioural experiment control. Part of pyControl system.

Resource Type: software resource

Keywords: Software resource, OpenBehavior

Funding:

Availability: Free, Available for download, Freely Available

**Resource Name:** pyControl

Resource ID: SCR\_021612

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

License: MIT License

Record Creation Time: 20220129T080356+0000

Record Last Update: 20250420T015131+0000

**Ratings and Alerts** 

No rating or validation information has been found for pyControl.

No alerts have been found for pyControl.

## Data and Source Information

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>dkNET</u>.

Domingues AV, et al. (2025) Dynamic representation of appetitive and aversive stimuli in nucleus accumbens shell D1- and D2-medium spiny neurons. Nature communications, 16(1), 59.

Mendonça MD, et al. (2024) Dopamine neuron activity encodes the length of upcoming contralateral movement sequences. Current biology : CB, 34(5), 1034.

Deseyve C, et al. (2024) Nucleus accumbens neurons dynamically respond to appetitive and aversive associative learning. Journal of neurochemistry, 168(3), 312.

Rowland JM, et al. (2023) Propagation of activity through the cortical hierarchy and perception are determined by neural variability. Nature neuroscience, 26(9), 1584.

Akam T, et al. (2022) Open-source, Python-based, hardware and software for controlling behavioural neuroscience experiments. eLife, 11.

Schatz A, et al. (2022) LabNet hardware control software for the Raspberry Pi. eLife, 11.

Kapanaiah SKT, et al. (2021) A low-cost open-source 5-choice operant box system optimized for electrophysiology and optophysiology in mice. Scientific reports, 11(1), 22279.