

Resource Summary Report

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PyMICE

RRID:SCR_010505

Type: Tool

Proper Citation

PyMICE (RRID:SCR_010505)

Resource Information

URL: <https://neuroinflab.wordpress.com/research/pymice/>

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Description: A Python library for analysis of mouse behavior. The library can be used for loading and analyzing of data obtained from IntelliCage system in an intuitive way in Python programming language. The library provides users with an object oriented application programming interface (API) and a data abstraction layer. It also comes with auxiliary tools supporting development of analysis workflows. Any published research making use of PyMICE must provide the PyMICE resource identifier (RRID:nlx_158570).

Synonyms: PyMICE Laboratory of Neuroinformatics

Resource Type: software resource

Keywords: python library, intellcage, mice, mouse behavior

Funding: Symfonia NCN UMO-2013/08/W/NZ4/00691;
Symfonia NCN PSPB-210/2010

Availability: Available to the research community, Provide the PyMICE resource identifier (RRID:nlx_158570) in any published research making use of PyMICE

Resource Name: PyMICE

Resource ID: SCR_010505

Alternate IDs: nlx_158570, doi:10.5281/zenodo.49550

Alternate URLs: <https://github.com/abukaj/PyMICE>

Old URLs: <http://www.zenodo.org/record/48935/export/hm#.VxlpqZMrJsM>,
<http://www.zenodo.org/record/49550#.Vxlp1pMrJsM>,
<https://github.com/Neuroinflab/PyMICE/tree/v0.2.5.post0>,

License: GPL v3

Record Creation Time: 20220129T080259+0000

Record Last Update: 20260801T190414+0000

Ratings and Alerts

No rating or validation information has been found for PyMICE.

No alerts have been found for PyMICE.

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 [ASWG](#) .

Goncerzewicz A, et al. (2022) Brain size, gut size and cognitive abilities: the energy trade-offs tested in artificial selection experiment. *Proceedings. Biological sciences*, 289(1972), 20212747.

Esmaeili A, et al. (2022) Whisker trimming during infancy modifies the development of spike-wave discharges and behavioral sequences in IntelliCage impulsivity paradigm in adult WAG/Rij rats. *Behavioural brain research*, 418, 113627.

Ruffini N, et al. (2021) IntelliPy: a GUI for analyzing IntelliCage data. *Bioinformatics (Oxford, England)*, 37(21), 3972.

Ca?y A, et al. (2021) PSD-95 in CA1 Area Regulates Spatial Choice Depending on Age. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 41(11), 2329.

Pu?cian A, et al. (2021) Chronic fluoxetine treatment impairs motivation and reward learning by affecting neuronal plasticity in the central amygdala. *British journal of pharmacology*, 178(3), 672.

Harda Z, et al. (2018) Autophosphorylation of ?CaMKII affects social interactions in mice. *Genes, brain, and behavior*, 17(5), e12457.

Dzik JM, et al. (2018) PyMICE: A Python library for analysis of IntelliCage data. *Behavior research methods*, 50(2), 804.