

Resource Summary Report

Generated by [nidm-terms](#) on Jul 31, 2026

[nelpy](#)

RRID:SCR_016209

Type: Tool

Proper Citation

nelpy (RRID:SCR_016209)

Resource Information

URL: <https://github.com/nelpy>

Proper Citation: nelpy (RRID:SCR_016209)

Description: Software toolkit for neuroelectrophysiology object modeling and data analysis in Python. Open source Python package for analysis of neuroelectrophysiology data.

Synonyms: Nelpy (Neuroelectrophysiology)

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

Keywords: model, modelling, python, neuroelectrophysiology, object, neuroimaging, analysis, neurophysiology, electrophysiology, BRAIN Initiative

Funding: NSF CBET-1351692;
NSF IOS-1550994;
Human Frontiers Science Program RGY0088

Availability: Free, Available for download, Freely available

Resource Name: nelpy

Resource ID: SCR_016209

License: MIT License

Record Creation Time: 20220129T080329+0000

Record Last Update: 20260731T043007+0000

Ratings and Alerts

No rating or validation information has been found for nelpy.

No alerts have been found for nelpy.

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 [nidm-terms](#) .

Isaacson M, et al. (2025) MouseGoggles: an immersive virtual reality headset for mouse neuroscience and behavior. Nature methods, 22(2), 380.

Soula M, et al. (2023) Interictal epileptiform discharges affect memory in an Alzheimer's disease mouse model. Proceedings of the National Academy of Sciences of the United States of America, 120(34), e2302676120.

Maboudi K, et al. (2018) Uncovering temporal structure in hippocampal output patterns. eLife, 7.