

Resource Summary Report

Generated by SPARC SAWG on Sep 17, 2026

SpikeInterface

RRID:SCR_021150

Type: Tool

Proper Citation

SpikeInterface (RRID:SCR_021150)

Resource Information

URL: <https://spikeinterface.readthedocs.io>

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Description: Software tool as unified framework for spike sorting. Python framework to unify preexisting spike sorting technologies into single codebase and to facilitate straightforward comparison and adoption of different approaches. Used to reproducibly run, compare, and benchmark most modern spike sorting algorithms; pre-process, post-process, and visualize extracellular datasets; validate, curate, and export sorting outputs.

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

Defining Citation: [PMID:33170122](https://pubmed.ncbi.nlm.nih.gov/33170122/)

Keywords: Spike sorting, Python framework, unify preexisting spike sorting, single codebase, spike sorting algorithms

Funding: ETH Zurich Postdoctoral Fellowship ;
Norwegian Ministry of Education ;
Research and Church Affairs ;
University of Edinburgh ;
University of Oslo ;
Wellcome Trust

Availability: Free, Available for download, Freely available

Resource Name: SpikeInterface

Resource ID: SCR_021150

Alternate URLs: <https://www.nwb.org/tools/>,
<https://github.com/SpikeInterface/spikeinterface/blob/master/doc/index.rst>

Record Creation Time: 20220129T080354+0000

Record Last Update: 20260912T195951+0000

Ratings and Alerts

No rating or validation information has been found for SpikeInterface.

No alerts have been found for SpikeInterface.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Zhang J, et al. (2026) A stress-activated neuronal ensemble in the supramammillary nucleus produces anxiety-like behavior in male mice. eLife, 14.

Tatarakis A, et al. (2025) Requirements for establishment and epigenetic stability of mammalian heterochromatin. Molecular cell, 85(18), 3388.

Köhler CA, et al. (2024) Facilitating the Sharing of Electrophysiology Data Analysis Results Through In-Depth Provenance Capture. eNeuro, 11(6).

Stempel AV, et al. (2024) Tonically active GABAergic neurons in the dorsal periaqueductal gray control instinctive escape in mice. Current biology : CB, 34(13), 3031.