

Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

MountainSort

RRID:SCR_017446

Type: Tool

Proper Citation

MountainSort (RRID:SCR_017446)

Resource Information

URL: <https://github.com/flatironinstitute/mountainsort>

Proper Citation: MountainSort (RRID:SCR_017446)

Description: Neurophysiological spike sorting software.

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

Keywords: Neurophysiological, spike, sorting, BRAIN Initiative

Funding: NINDS NS090537

Availability: Free, Available for download, Freely available

Resource Name: MountainSort

Resource ID: SCR_017446

Record Creation Time: 20220129T080335+0000

Record Last Update: 20260731T043020+0000

Ratings and Alerts

No rating or validation information has been found for MountainSort.

No alerts have been found for MountainSort.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Lin Z, et al. (2025) Spike sorting AI agent. bioRxiv : the preprint server for biology.

Li C, et al. (2025) Probabilistically constrained vector summation of motion direction in the mouse superior colliculus. Current biology : CB, 35(4), 723.

van der Goes MH, et al. (2024) Coordinated head direction representations in mouse anterodorsal thalamic nucleus and retrosplenial cortex. eLife, 13.

Symanski CA, et al. (2022) Rhythmic coordination and ensemble dynamics in the hippocampal-prefrontal network during odor-place associative memory and decision making. eLife, 11.

Widloski J, et al. (2022) Flexible rerouting of hippocampal replay sequences around changing barriers in the absence of global place field remapping. Neuron, 110(9), 1547.

Karalis N, et al. (2022) Breathing coordinates cortico-hippocampal dynamics in mice during offline states. Nature communications, 13(1), 467.

Skyberg R, et al. (2022) Coarse-to-fine processing drives the efficient coding of natural scenes in mouse visual cortex. Cell reports, 38(13), 110606.

Tanabe S, et al. (2022) Strong tuning for stereoscopic depth indicates orientation-specific recurrent circuitry in tree shrew V1. Current biology : CB, 32(24), 5274.

Khanna P, et al. (2021) Low-frequency stimulation enhances ensemble co-firing and dexterity after stroke. Cell, 184(4), 912.

Strohl JJ, et al. (2021) Framework for automated sorting of neural spikes from Neuralynx-acquired tetrode recordings in freely-moving mice. Bioelectronic medicine, 7(1), 17.

Prince SM, et al. (2021) Alzheimer's pathology causes impaired inhibitory connections and reactivation of spatial codes during spatial navigation. Cell reports, 35(3), 109008.

Dudok B, et al. (2021) Recruitment and inhibitory action of hippocampal axo-axonic cells during behavior. Neuron, 109(23), 3838.

Sosa M, et al. (2020) Dorsal and Ventral Hippocampal Sharp-Wave Ripples Activate Distinct Nucleus Accumbens Networks. Neuron, 105(4), 725.

Joo HR, et al. (2019) A microfabricated, 3D-sharpened silicon shuttle for insertion of flexible electrode arrays through dura mater into brain. Journal of neural engineering, 16(6), 066021.