Resource Summary Report

Generated by RRID on Sep 10, 2026

Nitime

RRID:SCR_002504
Type: Tool

Proper Citation

Nitime (RRID:SCR_002504)

Resource Information

URL: http://nipy.org/nitime/

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Description: Software library for time-series analysis of data from neuroscience experiments. It contains a core of numerical algorithms for time-series analysis both in the time and spectral domains, a set of container objects to represent time-series, and auxiliary objects that expose a high level interface to the numerical machinery and make common analysis tasks easy to express with compact and semantically clear code.

Abbreviations: NiTime

Synonyms: Nitime: time-series analysis for neuroscience

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

Keywords: eeg, meg, electrocorticography, magnetic resonance, time-series, analysis

Availability: Free, Available for download, Freely available

Resource Name: Nitime

Resource ID: SCR_002504

Alternate IDs: nlx_155903

Alternate URLs: http://www.nitrc.org/projects/nitime

License: BSD License

Record Creation Time: 20220129T080213+0000

Record Last Update: 20260905T132955+0000

Ratings and Alerts

No rating or validation information has been found for Nitime.

No alerts have been found for Nitime.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 23 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Miquel-Rio L, et al. (2025) Early synaptic changes and reduced brain connectivity in PD-like mice with depressive phenotype. NPJ Parkinson's disease, 11(1), 242.

Köhler CA, et al. (2025) Improving data sharing and knowledge transfer via the Neuroelectrophysiology Analysis Ontology (NEAO). Scientific data, 12(1), 907.

Papadopoulos L, et al. (2025) Modulation of metastable ensemble dynamics explains the inverted-U relationship between tone discriminability and arousal in auditory cortex. Neuron.

Grujic N, et al. (2023) Control and coding of pupil size by hypothalamic orexin neurons. Nature neuroscience, 26(7), 1160.

Conde-Berriozabal S, et al. (2023) M2 Cortex Circuitry and Sensory-Induced Behavioral Alterations in Huntington's Disease: Role of Superior Colliculus. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(18), 3379.

Chen P, et al. (2023) Altered global signal topography in Alzheimer's disease. EBioMedicine, 89, 104455.

Carlton CN, et al. (2023) Associations between resting-state neural connectivity and positive affect in social anxiety disorder. Brain and behavior, 13(6), e3006.

Ilias L, et al. (2023) Overview of methods and available tools used in complex brain disorders. Open research Europe, 3, 152.

Nunez-Elizalde AO, et al. (2022) Neural correlates of blood flow measured by ultrasound. Neuron, 110(10), 1631.

Tarrés-Gatius M, et al. (2022) Discrimination of motor and sensorimotor effects of phencyclidine and MK-801: Involvement of GluN2C-containing NMDA receptors in psychosis-like models. Neuropharmacology, 213, 109079.

de la Cruz F, et al. (2021) Interrelations between dopamine and serotonin producing sites and regions of the default mode network. Human brain mapping, 42(3), 811.

Abel JH, et al. (2021) Machine learning of EEG spectra classifies unconsciousness during GABAergic anesthesia. PloS one, 16(5), e0246165.

Fernández-García S, et al. (2020) M2 cortex-dorsolateral striatum stimulation reverses motor symptoms and synaptic deficits in Huntington's disease. eLife, 9.

Muñoz-Moreno E, et al. (2020) Brain connectivity during Alzheimer's disease progression and its cognitive impact in a transgenic rat model. Network neuroscience (Cambridge, Mass.), 4(2), 397.

Rodríguez E, et al. (2020) Observing Rivers With Varying Spatial Scales. Water resources research, 56(9), e2019WR026476.

Tudela R, et al. (2019) Resting State Networks in the TgF344-AD Rat Model of Alzheimer's Disease Are Altered From Early Stages. Frontiers in aging neuroscience, 11, 213.

Olivetti E, et al. (2018) Classification-Based Prediction of Effective Connectivity Between Timeseries With a Realistic Cortical Network Model. Frontiers in computational neuroscience, 12, 38.

Tisdale RK, et al. (2018) Spectral Properties of Brain Activity Under Two Anesthetics and Their Potential for Inducing Natural Sleep in Birds. Frontiers in neuroscience, 12, 881.

Muñoz-Moreno E, et al. (2018) Early brain connectivity alterations and cognitive impairment in a rat model of Alzheimer's disease. Alzheimer's research & therapy, 10(1), 16.

Millman KJ, et al. (2018) Teaching Computational Reproducibility for Neuroimaging. Frontiers in neuroscience, 12, 727.