Resource Summary Report

Generated by SPARC SAWG on Aug 15, 2026

NiBabel

RRID:SCR_002498
Type: Tool

Proper Citation

NiBabel (RRID:SCR_002498)

Resource Information

URL: http://nipy.org/nibabel/

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Description: A Python package for reading and writing a variety of medical and neuroimaging file formats. This includes: ANALYZE (plain, SPM99, SPM2), NIfTI1, as well as MINC. NiBabel is the successor of PyNIfTI.

Abbreviations: NiBabel

Synonyms: NIPY File IO

Resource Type: software resource

Keywords: magnetic resonance, python, neuroimaging

Availability: Free, Available for download, Freely available

Resource Name: NiBabel

Resource ID: SCR_002498

Alternate IDs: nlx_155896

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

License: BSD License, MIT License

Record Creation Time: 20220129T080213+0000

Record Last Update: 20260808T185751+0000

Ratings and Alerts

No rating or validation information has been found for NiBabel.

No alerts have been found for NiBabel.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 142 mentions in open access literature.

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

Zhang S, et al. (2026) Optimising Generalisable Deep Learning Models for CT Coronary Segmentation: A Multifactorial Evaluation. Journal of imaging informatics in medicine, 39(3), 2680.

Hammash NM, et al. (2026) A Hierarchical Multi-View Deep Learning Framework for Autism Classification Using Structural and Functional MRI. Journal of imaging, 12(3).

Jaroszynski KM, et al. (2026) Age dependence of brain oxygen metabolism in adults assessed by 3D constrained quantitative BOLD MRI. NeuroImage, 334, 121967.

Sighinolfi G, et al. (2026) Individualized functionnectome for the statistical assessment of white matter circuits underlying task-fMRI activations in glioma patients. NeuroImage. Clinical, 49, 103940.

Camacho PB, et al. (2026) Study protocol for the Champaign-Urbana population study. Frontiers in neuroimaging, 5, 1728970.

Shahbabaie A, et al. (2026) Multimodal imaging-based targeting approach for network-level brain stimulation. Frontiers in neuroscience, 20, 1803897.

Yang Y, et al. (2026) Sensory encoding and memory retrieval are coordinated with propagating waves in the human brain. Nature communications, 17(1).

Gifford AT, et al. (2026) A 7T fMRI dataset of synthetic images for out-of-distribution modeling of vision. Nature communications, 17(1), 1589.

Huang Z, et al. (2026) An open fMRI resource for studying human brain function and covert consciousness under anesthesia. Scientific data, 13(1), 127.

Hu X, et al. (2026) Banana 0.9: An open-source, reproducible medical imaging system for low-resource gastric cancer screening. PloS one, 21(2), e0339892.

Du J, et al. (2026) A multimodal ConvNeXt-Tiny deep learning model for simultaneous prediction of IDH mutation and Ki-67 expression in gliomas. PloS one, 21(6), e0351757.

David MA, et al. (2026) Demystifying machine learning approaches in digital bone imaging using microCT and HRpQCT. Bone reports, 29, 101911.

Colaes R, et al. (2026) Evaluating the T1w/FLAIR ratio as a proxy for myelin: Associations with myelin water Imaging, diffusion metrics, and cognition. Neuroradiology, 68(5), 1403.

K??hne F, et al. (2026) Application of deep neural networks in automatized ventriculometry and segmentation of the aqueduct in pediatric hydrocephalus patients. Neuroradiology, 68(1), 67.

Asturias A, et al. (2026) CEST MRI Processing Pipeline in Pilot Study of Alzheimer's Disease Patients. Magnetic resonance in medicine, 95(5), 2828.

Peng Y, et al. (2026) Scaffolding human and AI instruction: Neural alignment and learning gains in online education. Neuron.

Liang Z, et al. (2026) Distinct roles of hippocampus and neocortex in symbolic compositional generalization. Neuron.

Savvateev I, et al. (2026) Multipair phase-modulated temporal interference electrical stimulation combined with fMRI. Cell systems, 17(7), 101610.

Jia H, et al. (2025) Cortical thickness deviations as biomarker for subtyping and prognosis in pediatric brainstem tumors. Scientific reports, 15(1), 13132.

Gifford AT, et al. (2025) In silico discovery of representational relationships across visual cortex. Nature human behaviour, 9(10), 2079.