Resource Summary Report

Generated by RRID on Aug 4, 2026

NiBabel

RRID:SCR_002498
Type: Tool

Proper Citation

NiBabel (RRID:SCR_002498)

Resource Information

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

Proper Citation: NiBabel (RRID:SCR_002498)

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: 20260801T190208+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 122 mentions in open access literature.

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

Flagan TM, et al. (2025) Functional Connectivity Associations With Markers of Disease Progression in GRN Pathogenic Variant Carriers. Annals of clinical and translational neurology, 12(12), 2575.

Xiao Y, et al. (2025) Enhancing Deep Learning-Based Subabdominal MR Image Segmentation During Rectal Cancer Treatment: Exploiting Multiscale Feature Pyramid Network and Bidirectional Cross-Attention Mechanism. International journal of biomedical imaging, 2025, 7560099.

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.

van Paassen R, et al. (2025) Patellar and Femoral Bone Morphology Is Associated With Overweight and Sports Participation in Young Adolescents. Journal of orthopaedic research : official publication of the Orthopaedic Research Society, 43(12), 2221.

Griffiths-King D, et al. (2025) Ratio maps of T1w/T2w MRI signal intensity do not improve deep-learning segmentation of pediatric brain tumors. PloS one, 20(12), e0323398.

Motaghi M, et al. (2025) Commonalities in cortical neurodegeneration between type 2 diabetes and Alzheimer's disease. Journal of Alzheimer's disease : JAD, 107(3), 1304.

Jaiswal A, et al. (2025) Pseudo-MRI Engine for MRI-Free Electromagnetic Source Imaging. Human brain mapping, 46(2), e70148.

Almaaz H, et al. (2025) A Lesion-Aware Patch Sampling Approach with EfficientNet3D-UNet for Robust Multiple Sclerosis Lesion Segmentation. Journal of imaging, 11(10).

Comino Garcia Mu??oz A, et al. (2025) Characterization of experimental cerebral malaria by volumetric MRI A comparative study across the sexes. PloS one, 20(8), e0328693.

Kim H, et al. (2025) A novel deep learning-based brain age prediction framework for routine clinical MRI scans. npj aging, 11(1), 70.

Zughayyar I, et al. (2025) A FastSurfer Database for Age-Specific Brain Volumes in Healthy Children: A Tool for Quantifying Localized and Global Brain Volume Alterations in Pediatric Patients. Brain and behavior, 15(7), e70689.

Zbinden L, et al. (2025) Automated quantification of T1 and T2 relaxation times in liver mpMRI using deep learning: a sequence-adaptive approach. European radiology experimental, 9(1), 58.

Luo G, et al. (2025) Generative priors for MRI reconstruction trained from magnitude-only images using phase augmentation. Philosophical transactions. Series A, Mathematical, physical, and engineering sciences, 383(2299), 20240323.

Chen H, et al. (2025) A feasibility study of [18F] FDG PET/CT radiomics in predicting high-risk cytogenetic abnormalities in multiple myeloma. EJNMMI research, 15(1), 131.

Hosseini MS, et al. (2025) Cross-regional radiomics: a novel framework for relationship-based feature extraction with validation in Parkinson's disease motor subtyping. BioData mining, 18(1), 67.

Balaguer-Montero M, et al. (2025) A CT-based deep learning-driven tool for automatic liver tumor detection and delineation in patients with cancer. Cell reports. Medicine, 6(4), 102032.

Shafiei G, et al. (2025) Reproducible Brain Charts: An open data resource for mapping brain development and its associations with mental health. bioRxiv : the preprint server for biology.

Zhi D, et al. (2025) A hierarchical Bayesian brain parcellation framework for fusion of functional imaging datasets. Imaging neuroscience (Cambridge, Mass.), 3.

Germani E, et al. (2025) HCP Multi-Pipeline: a derived dataset to investigate analytical variability in fMRI. Scientific data, 12(1), 940.