Resource Summary Report

Generated by ASWG on Aug 4, 2026

GIFTI

RRID:SCR_009579
Type: Tool

Proper Citation

GIFTI (RRID:SCR_009579)

Resource Information

URL: http://www.nitrc.org/projects/gifti/

Proper Citation: GIFTI (RRID:SCR_009579)

Description: Geometry format under the Neuroimaging Informatics Technology Initiative (NIfTI). Basically, it is the surface-file format complement to the NIfTI volume-file format .nii. Programs which support the Gifti format, intended to allow exchange of each others surface files, include: Freesurfer, Caret, BrainVISA, Brain Voyager, CRkit, VisTrails and AFNI.

Abbreviations: GIfTI

Resource Type: narrative resource, data or information resource, software resource, standard specification

Keywords: algorithm or reusable library, c, computational neuroscience, information resource, magnetic resonance, os independent, python

Resource Name: GIFTI

Resource ID: SCR_009579

Alternate IDs: nlx_155761

Record Creation Time: 20220129T080253+0000

Record Last Update: 20260804T043413+0000

Ratings and Alerts

No rating or validation information has been found for GIFTI.

No alerts have been found for GIFTI.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 28 mentions in open access literature.

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

Hu J, et al. (2025) Regional changes in cerebral perfusion with age when accounting for changes in gray-matter volume. Magnetic resonance in medicine, 93(4), 1807.

Tobyne SM, et al. (2025) Combined Auditory, Tactile, and Visual fMRI Reveals Sensory-Biased and Supramodal Working Memory Regions in Human Frontal Cortex. bioRxiv : the preprint server for biology.

Gopalakrishnan R, et al. (2025) Neurophysiological encoding of aversive prediction errors. Pain.

González Rodríguez LL, et al. (2024) Phybers: a package for brain tractography analysis. Frontiers in neuroscience, 18, 1333243.

Küchenhoff S, et al. (2024) Relating sex-bias in human cortical and hippocampal microstructure to sex hormones. Nature communications, 15(1), 7279.

Han L, et al. (2024) Measures of resting-state brain network segregation and integration vary in relation to data quantity: implications for within and between subject comparisons of functional brain network organization. Cerebral cortex (New York, N.Y. : 1991), 34(2).

Haast RAM, et al. (2024) Insights into hippocampal perfusion using high-resolution, multi-modal 7T MRI. Proceedings of the National Academy of Sciences of the United States of America, 121(11), e2310044121.

Horibe K, et al. (2023) Geodesic theory of long association fibers arrangement in the human fetal cortex. Cerebral cortex (New York, N.Y. : 1991), 33(17), 9778.

Haast RAM, et al. (2023) Novel insights into hippocampal perfusion using high-resolution, multi-modal 7T MRI. bioRxiv : the preprint server for biology.

Sandrone S, et al. (2023) Mapping myelin in white matter with T1-weighted/T2-weighted maps: discrepancy with histology and other myelin MRI measures. Brain structure & function, 228(2), 525.

Hendrickson TJ, et al. (2023) BIBSNet: A Deep Learning Baby Image Brain Segmentation Network for MRI Scans. bioRxiv : the preprint server for biology.

Norbom LB, et al. (2022) Parental socioeconomic status is linked to cortical microstructure and language abilities in children and adolescents. Developmental cognitive neuroscience, 56, 101132.

Kliemann D, et al. (2022) Caltech Conte Center, a multimodal data resource for exploring social cognition and decision-making. Scientific data, 9(1), 138.

Karahan E, et al. (2022) The interindividual variability of multimodal brain connectivity maintains spatial heterogeneity and relates to tissue microstructure. Communications biology, 5(1), 1007.

DeKraker J, et al. (2022) Automated hippocampal unfolding for morphometry and subfield segmentation with HippUnfold. eLife, 11.

Tian X, et al. (2022) An integrated resource for functional and structural connectivity of the marmoset brain. Nature communications, 13(1), 7416.

Cohen AD, et al. (2021) Connectomics in Brain Aging and Dementia - The Background and Design of a Study of a Connectome Related to Human Disease. Frontiers in aging neuroscience, 13, 669490.

Hong SJ, et al. (2021) Decomposing complex links between the childhood environment and brain structure in school-aged youth. Developmental cognitive neuroscience, 48, 100919.

Ribeiro FL, et al. (2021) Predicting the retinotopic organization of human visual cortex from anatomy using geometric deep learning. NeuroImage, 244, 118624.

Norbom LB, et al. (2020) Maturation of cortical microstructure and cognitive development in childhood and adolescence: A T1w/T2w ratio MRI study. Human brain mapping, 41(16), 4676.