

Resource Summary Report

Generated by T1D on Aug 1, 2026

GIFTI

RRID:SCR_009579

Type: Tool

Proper Citation

GIFTI (RRID:SCR_009579)

Resource Information

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

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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: software resource, narrative resource, data or information 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: 20260801T190344+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 [T1D](#).

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