# **Resource Summary Report**

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# <u>GIFTI</u>

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:** narrative resource, standard specification, data or information resource, software resource

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

Funding:

Resource Name: GIFTI

Resource ID: SCR\_009579

Alternate IDs: nlx\_155761

Record Creation Time: 20220129T080253+0000

Record Last Update: 20250420T014454+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 26 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>NIF</u>.

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.

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).

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.

Haast RAM, et al. (2024) Insights into hippocampal perfusion using high-resolution, multimodal 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.

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

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.

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.

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

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

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

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.

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

Korucuoglu O, et al. (2020) Test-retest reliability of fMRI-measured brain activity during decision making under risk. NeuroImage, 214, 116759.

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.

Szinte M, et al. (2020) Visual Organization of the Default Network. Cerebral cortex (New York, N.Y. : 1991), 30(6), 3518.