

Resource Summary Report

Generated by SPARC SAWG on Sep 15, 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: data or information resource, narrative 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: 20260912T195713+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 30 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Craig A, et al. (2026) Personalized whole-brain Ising models with heterogeneous nodes capture differences among brain regions. *bioRxiv : the preprint server for biology*.

Lepage C, et al. (2026) CIVET-Chimp: An automated pipeline for MRI-based cortical surface extraction in chimpanzees. *Neuroimage. Reports*, 6(3), 100360.

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.

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

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*.

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

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).

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, multi-modal 7T MRI. *Proceedings of the National Academy of Sciences of the United States of America*, 121(11), e2310044121.

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

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.

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.

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.