Resource Summary Report

Generated by RRID on Apr 18, 2025

IIT Human Brain Atlas

RRID:SCR_009587
Type: Tool

Proper Citation

IIT Human Brain Atlas (RRID:SCR_009587)

Resource Information

URL: http://www.iit.edu/~mri/

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Description: Atlas that contains new anatomical, DTI, HARDI templates and probabilistic gray matter labels of the adult human brain in ICBM-152 space. Artifact-free MRI data from 72 human subjects was used in the development of the atlas. All diffusion MRI data collection was conducted using Turboprop, and spatial normalization was accomplished in a population-based fashion. A description of the contents of the atlas can be found in the Downloads link. NOTE: The files of the older IIT2 DTI Brain Template are still available. However, the new DTI template of the IIT Human Brain Atlas (v.3) is of superior quality and allows more accurate registration across subjects.

Abbreviations: IIT Human Brain Atlas

Synonyms: Illinois Institute of Technology Human Brain Atlas, The IIT Human Brain Atlas (v.3), IIT Human Brain Atlas (v.3)

Resource Type: atlas, reference atlas, data or information resource

Defining Citation: PMID:21218175

Keywords: atlas data, magnetic resonance, adult human, dti

Funding:

Availability: Other/Commercial license License, Http://www.iit.edu/~mri/Downloads.html

Resource Name: IIT Human Brain Atlas

Resource ID: SCR_009587

Alternate IDs: nlx_155774

Alternate URLs: http://www.nitrc.org/projects/iit

Record Creation Time: 20220129T080253+0000

Record Last Update: 20250412T055427+0000

Ratings and Alerts

No rating or validation information has been found for IIT Human Brain Atlas.

No alerts have been found for IIT Human Brain Atlas.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Huang X, et al. (2023) Developmental prediction modeling based on diffusion tensor imaging uncovering age-dependent heterogeneity in early childhood autistic brain. Molecular autism, 14(1), 41.

Qi X, et al. (2021) Regionconnect: Rapidly extracting standardized brain connectivity information in voxel-wise neuroimaging studies. NeuroImage, 225, 117462.

Han SD, et al. (2016) Financial literacy is associated with white matter integrity in old age. NeuroImage, 130, 223.

Varentsova A, et al. (2014) Development of a high angular resolution diffusion imaging human brain template. NeuroImage, 91, 177.

Arfanakis K, et al. (2013) Systemic inflammation in non-demented elderly human subjects: brain microstructure and cognition. PloS one, 8(8), e73107.

Zhang S, et al. (2011) Enhanced ICBM diffusion tensor template of the human brain. NeuroImage, 54(2), 974.

Peng H, et al. (2009) Development of a human brain diffusion tensor template. NeuroImage, 46(4), 967.