

Resource Summary Report

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bic-mni-models

RRID:SCR_014087

Type: Tool

Proper Citation

bic-mni-models (RRID:SCR_014087)

Resource Information

URL: <http://www.nitrc.org/projects/bic-mni-models/>

Proper Citation: bic-mni-models (RRID:SCR_014087)

Description: Anatomical brain template library which includes models from ICBM 2009 template. Number of unbiased non-linear averages of MNI152 database have been generated that combines attractions of both high-spatial resolution and signal-to-noise while not being subject to vagaries of any single brain. Procedure involved multiple iterations of process where, at each iteration, individual native MRIs were non-linearly fitted to the average template from previous iteration, beginning with MNI152 linear template.

Resource Type: data or information resource, image collection

Keywords: brain template, anatomical brain library, image collection, FASEB list

Resource Name: bic-mni-models

Resource ID: SCR_014087

License: BIC-MNI Louis Collins

Record Creation Time: 20220129T080319+0000

Record Last Update: 20260805T044319+0000

Ratings and Alerts

No rating or validation information has been found for bic-mni-models.

No alerts have been found for bic-mni-models.

Data and Source Information

Usage and Citation Metrics

We found 44 mentions in open access literature.

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

Siffredi V, et al. (2023) Large-scale brain network dynamics in very preterm children and relationship with socio-emotional outcomes: an exploratory study. *Pediatric research*, 93(7), 2072.

Popov T, et al. (2023) Brain areas associated with visual spatial attention display topographic organization during auditory spatial attention. *Cerebral cortex (New York, N.Y. : 1991)*, 33(7), 3478.

Al Awadhi A, et al. (2022) Electrophysiological confrontation of Lead-DBS-based electrode localizations in patients with Parkinson's disease undergoing deep brain stimulation. *NeuroImage. Clinical*, 34, 102971.

Wei DY, et al. (2022) Areas of cerebral blood flow changes on arterial spin labelling with the use of symmetric template during nitroglycerin triggered cluster headache attacks. *NeuroImage. Clinical*, 33, 102920.

Ma Q, et al. (2022) Extensive cortical functional connectivity of the human hippocampal memory system. *Cortex; a journal devoted to the study of the nervous system and behavior*, 147, 83.

Langer N, et al. (2022) A benchmark for prediction of psychiatric multimorbidity from resting EEG data in a large pediatric sample. *NeuroImage*, 258, 119348.

Li CMF, et al. (2021) Standardizing T1-w/T2-w ratio images in trigeminal neuralgia to estimate the degree of demyelination in vivo. *NeuroImage. Clinical*, 32, 102798.

Siffredi V, et al. (2021) Large-scale functional network dynamics in human callosal agenesis: Increased subcortical involvement and preserved laterality. *NeuroImage*, 243, 118471.

Evensmoen HR, et al. (2021) Allocentric representation in the human amygdala and ventral visual stream. *Cell reports*, 34(3), 108658.

Hao X, et al. (2021) Relations of Creativity to the Interplay Between High-order Cognitive Functions: Behavioral and Neural Evidence. *Neuroscience*, 473, 90.

Fan L, et al. (2021) Mapping the Human Brain: What Is the Next Frontier? *Innovation (Cambridge (Mass.))*, 2(1), 100073.

Terada T, et al. (2021) Mitochondrial complex I abnormalities is associated with tau and clinical symptoms in mild Alzheimer's disease. *Molecular neurodegeneration*, 16(1), 28.

Sörös P, et al. (2021) Replicability, Repeatability, and Long-term Reproducibility of Cerebellar Morphometry. *Cerebellum* (London, England), 20(3), 439.

Visser M, et al. (2020) Accurate MR Image Registration to Anatomical Reference Space for Diffuse Glioma. *Frontiers in neuroscience*, 14, 585.

Tabas A, et al. (2020) Abstract rules drive adaptation in the subcortical sensory pathway. *eLife*, 9.

Pinto MS, et al. (2020) Harmonization of Brain Diffusion MRI: Concepts and Methods. *Frontiers in neuroscience*, 14, 396.

Barahona-Corrêa JB, et al. (2020) Right-sided brain lesions predominate among patients with lesional mania: evidence from a systematic review and pooled lesion analysis. *Translational psychiatry*, 10(1), 139.

Lopez-Persem A, et al. (2019) The Human Ventromedial Prefrontal Cortex: Sulcal Morphology and Its Influence on Functional Organization. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 39(19), 3627.

Liu Y, et al. (2019) Deep Feature Selection and Causal Analysis of Alzheimer's Disease. *Frontiers in neuroscience*, 13, 1198.

Karolis VR, et al. (2019) The architecture of functional lateralisation and its relationship to callosal connectivity in the human brain. *Nature communications*, 10(1), 1417.