Resource Summary Report

Generated by SPARC SAWG on Sep 18, 2026

MRI Studio

RRID:SCR_001398
Type: Tool

Proper Citation

MRI Studio (RRID:SCR_001398)

Resource Information

URL: https://www.mristudio.org/

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Description: An image processing program running under Windows suitable for such tasks as tensor calculation, color mapping, fiber tracking, and 3D visualization. Most of operations can be done with only a few clicks. This tool evolved from DTI Studio. Tools in the program can be grouped in the following way: * Image Viewer * Diffusion Tensor Calculations * Fiber Tracking and Editing * 3D Visualization * Image File Management * Region of Interesting (ROI) Drawing and Statistics * Image Registration

Synonyms: dtiStudio, DTI Studio

Resource Type: data processing software, data visualization software, image analysis software, image processing software, software application, software resource

Keywords: tensor calculation, color mapping, fiber tracking, 3d visualization, dti, image registration, mri, diffusion mr fiber tracking, microsoft, c++, analyze

Funding: NCRR ;
Biomedical Informatics Research Network ;
NIBIB

Availability: Free, Freely Available

Resource Name: MRI Studio

Resource ID: SCR_001398

Alternate IDs: nif-0000-00291

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

Record Creation Time: 20220129T080207+0000

Record Last Update: 20260912T195525+0000

Ratings and Alerts

No rating or validation information has been found for MRI Studio.

No alerts have been found for MRI Studio.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 180 mentions in open access literature.

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

Zhao T, et al. (2026) Hierarchical maturation of structural brain connectomes from birth to childhood. Nature communications, 17(1).

Paitel ER, et al. (2026) Associations of cerebrospinal fluid measures of synaptic function with white matter microstructure and cognition in older adults. Frontiers in aging neuroscience, 18, 1851829.

Callow DD, et al. (2026) Hippocampal microstructure as a measure of cognitive resilience to tau PET burden in older adults. The journal of prevention of Alzheimer's disease, 13(2), 100454.

Uchida Y, et al. (2025) Quantification of perforant path fibers for early detection of Alzheimer's disease. Alzheimer's & dementia : the journal of the Alzheimer's Association, 21(4), e70142.

Jinnou H, et al. (2025) Outer radial glia promotes white matter regeneration after neonatal brain injury. Cell reports. Medicine, 6(3), 101986.

Jackson MS, et al. (2025) Elucidating White Matter Contributions to the Cognitive Architecture of Affective Prosody Recognition: Evidence from Right Hemisphere Stroke. Brain sciences, 15(7).

Zhou R, et al. (2025) The Relationship Between Cerebral Small Vessel Disease, Sleep Quality, and Cognitive Impairment Among Community-Dwelling Older Adults: Exploring the Role of Glymphatic Function. European journal of neurology, 32(10), e70384.

Zhang Q, et al. (2025) Dose-dependent NFI regulation of progenitor lifespan and output underlying human neocortical malformation. bioRxiv : the preprint server for biology.

Karaca ??, et al. (2025) Abnormal Gyrus Rectus Asymmetry in Alzheimer's Disease: An MRI-Based Parcellation Method. Brain sciences, 15(5).

Callow DD, et al. (2025) White matter microstructure statistically mediates associations between circadian rest/activity rhythms and cognition in older adults. Sleep advances : a journal of the Sleep Research Society, 6(2), zpaf027.

Cai X, et al. (2025) Impaired glymphatic function contributes to high-frequency attacks in patients with episodic migraine. The journal of headache and pain, 26(1), 132.

Hunter JE, et al. (2025) Effect of disease progression on CSF-directed AAV gene therapy in a large brain animal model of lysosomal storage disease. Molecular therapy. Methods & clinical development, 33(3), 101552.

Chen R, et al. (2025) Differential glymphatic dysfunction and memory correlation in temporal lobe epilepsy subtypes. Epilepsia open, 10(6), 1953.

Wang N, et al. (2025) Evaluation of the glymphatic system using the DTI-ALPS index in type 2 diabetes mellitus-induced cognitive impairment. Journal of clinical imaging science, 15, 31.

Joshi J, et al. (2025) Distinguishing microgliosis and tau deposition in the mouse brain using paramagnetic and diamagnetic susceptibility source separation. Imaging neuroscience (Cambridge, Mass.), 3.

Tuulari JJ, et al. (2025) The FinnBrain multimodal neonatal template and atlas collection. Communications biology, 8(1), 600.

Paitel ER, et al. (2025) Cerebellar White Matter Microstructure Is Associated With Age, Cerebrospinal Fluid Amyloid Beta Levels, and Cognition in Cognitively Unimpaired Older Adults. Human brain mapping, 46(16), e70398.

Cai J, et al. (2025) Impaired Glymphatic Function in Acute Spontaneous Intracerebral Hemorrhage. CNS neuroscience & therapeutics, 31(2), e70252.

Ouyang M, et al. (2024) Spatiotemporal cerebral blood flow dynamics underlies emergence of the limbic-sensorimotor-association cortical gradient in human infancy. Nature communications, 15(1), 8944.

Ouyang M, et al. (2024) Spatiotemporal cerebral blood flow dynamics underlies emergence of the limbic-sensorimotor-association cortical gradient in human infancy. Research square.