Resource Summary Report

Generated by RRID on Aug 4, 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: image processing software, software application, data processing software, image analysis software, software resource, data visualization software

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: 20260804T043118+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 165 mentions in open access literature.

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

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

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.

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.

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.

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.

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

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

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.

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

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.

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

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Joshi J, et al. (2024) Distinguishing microgliosis and tau deposition in the mouse brain using paramagnetic and diamagnetic susceptibility source separation. bioRxiv : the preprint server for biology.

Kronman FN, et al. (2024) Developmental mouse brain common coordinate framework. Nature communications, 15(1), 9072.

Ouyang M, et al. (2024) Spatiotemporal cerebral blood flow dynamics underlies emergence of the limbic-sensorimotor-association cortical gradient in human infancy. bioRxiv : the preprint server for biology.

Yao M, et al. (2024) Senolytic therapy preserves blood-brain barrier integrity and promotes microglia homeostasis in a tauopathy model. Neurobiology of disease, 202, 106711.

Fu W, et al. (2024) Rasd1 is involved in white matter injury through neuron-oligodendrocyte communication after subarachnoid hemorrhage. CNS neuroscience & therapeutics, 30(3), e14452.

Zhou Y, et al. (2024) Impaired Meningeal Lymphatics and Glymphatic Pathway in Patients with White Matter Hyperintensity. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(26), e2402059.

Morelli KH, et al. (2023) An RNA-targeting CRISPR-Cas13d system alleviates disease-related phenotypes in Huntington's disease models. Nature neuroscience, 26(1), 27.

Liu CF, et al. (2023) A large public dataset of annotated clinical MRIs and metadata of patients with acute stroke. Scientific data, 10(1), 548.