

Resource Summary Report

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

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 [PRECISE-TBI](#) .

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.

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. *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*.

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*.

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*.

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

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.