Resource Summary Report

Generated by dkNET on May 17, 2025

MRI Studio

RRID:SCR_001398
Type: Tool

Proper Citation

MRI Studio (RRID:SCR_001398)

Resource Information

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

Proper Citation: MRI Studio (RRID:SCR_001398)

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, image processing software, data visualization software, data processing software, image analysis software, 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: Available for download

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: 20250517T055501+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 155 mentions in open access literature.

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

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

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.

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.

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.

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.

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.

Uchida Y, et al. (2023) Microstructural Neurodegeneration of the Entorhinal-Hippocampus Pathway along the Alzheimer's Disease Continuum. Journal of Alzheimer's disease : JAD, 95(3), 1107.

Hu B, et al. (2023) Mixed longitudinal and cross-sectional analyses of deep gray matter and white matter using diffusion weighted images in premanifest and manifest Huntington's disease. NeuroImage. Clinical, 39, 103493.

Pu W, et al. (2023) Dysfunction of the glymphatic system in childhood absence epilepsy. Frontiers in neuroscience, 17, 1312676.

Cai X, et al. (2023) Diffusion along perivascular spaces provides evidence interlinking compromised glymphatic function with aging in Parkinson's disease. CNS neuroscience & therapeutics, 29(1), 111.

Kronman FA, et al. (2023) Developmental Mouse Brain Common Coordinate Framework. bioRxiv : the preprint server for biology.

de Oliveira CM, et al. (2023) The longitudinal progression of MRI changes in pre-ataxic carriers of SCA3/MJD. Journal of neurology, 270(9), 4276.

Liang Z, et al. (2023) Using mesoscopic tract-tracing data to guide the estimation of fiber orientation distributions in the mouse brain from diffusion MRI. NeuroImage, 270, 119999.

Wang J, et al. (2023) Glymphatic function plays a protective role in ageing-related cognitive decline. Age and ageing, 52(7).

Liao Y, et al. (2022) Detecting abnormal placental microvascular flow in maternal and fetal diseases based on flow-compensated and non-compensated intravoxel incoherent motion imaging. Placenta, 119, 17.

Wu D, et al. (2022) A diffusion MRI-based spatiotemporal continuum of the embryonic mouse brain for probing gene-neuroanatomy connections. Proceedings of the National Academy of Sciences of the United States of America, 119(7).