Resource Summary Report

Generated by NIF on May 19, 2025

MrDiffusion

RRID:SCR_016567
Type: Tool

Proper Citation

MrDiffusion (RRID:SCR_016567)

Resource Information

URL: http://web.stanford.edu/group/vista/cgi-bin/wiki/index.php/MrDiffusion

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Description: Software package for diffusion imaging analysis and visualization. Module of Vistasoft for processing diffusion weighted data and measuring and visualizing fractional anisotropy, mean diffusivity, axial and radial diffusivity, RGB fiber direction maps and analysis of MRI data.

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

Keywords: diffusion, imaging, analysis, visualization, data, fractional, anisotropy, MRI

Funding:

Availability: Free, Available for download, Freely available

Resource Name: MrDiffusion

Resource ID: SCR_016567

Alternate URLs: https://github.com/vistalab/vistasoft/tree/master/mrDiffusion

License: GPL

Record Creation Time: 20220129T080331+0000

Record Last Update: 20250519T204335+0000

Ratings and Alerts

No rating or validation information has been found for MrDiffusion.

No alerts have been found for MrDiffusion.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Li J, et al. (2024) Neuroplasticity of the white matter tracts underlying recovery of diarrhea-predominant irritable bowel syndrome following acupuncture treatment. Frontiers in neuroscience, 18, 1383041.

Sagi R, et al. (2024) White matter associations with spelling performance. Brain structure & function, 229(9), 2115.

Stone DB, et al. (2021) Specific White Matter Tracts and Diffusion Properties Predict Conversion From Mild Cognitive Impairment to Alzheimer's Disease. Frontiers in aging neuroscience, 13, 711579.

Yablonski M, et al. (2020) Sensitivity to word structure in adult Hebrew readers is associated with microstructure of the ventral reading pathways. Cortex; a journal devoted to the study of the nervous system and behavior, 128, 234.

Blecher T, et al. (2019) Association Between White Matter Microstructure and Verbal Fluency in Patients With Multiple Sclerosis. Frontiers in psychology, 10, 1607.

Yablonski M, et al. (2019) Structural properties of the ventral reading pathways are associated with morphological processing in adult English readers. Cortex; a journal devoted to the study of the nervous system and behavior, 116, 268.

Mohamed Ali O, et al. (2019) Girls' internalizing symptoms and white matter tracts in Cortico-Limbic circuitry. NeuroImage. Clinical, 21, 101650.

Kronfeld-Duenias V, et al. (2016) Dorsal and ventral language pathways in persistent developmental stuttering. Cortex; a journal devoted to the study of the nervous system and behavior, 81, 79.