Resource Summary Report

Generated by <u>RRID</u> on Apr 28, 2025

MRTool

RRID:SCR_015956 Type: Tool

Proper Citation

MRTool (RRID:SCR_015956)

Resource Information

URL: https://www.nitrc.org/projects/mrtool

Proper Citation: MRTool (RRID:SCR_015956)

Description: Software toolkit for analysis of MR brain imaging data. MRTool runs on Apple computers and PCs and requires SPM12.

Resource Type: portal, topical portal, data or information resource

Defining Citation: DOI:10.1007/s12021-018-9355-3

Keywords: brain, imaging, neuroimaging, analysis, magnetic, resonance, mr

Funding:

Availability: Free, Available for download, Runs on MAC OS, Runs on Windows

Resource Name: MRTool

Resource ID: SCR_015956

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Record Creation Time: 20220129T080328+0000

Record Last Update: 20250428T053936+0000

Ratings and Alerts

No rating or validation information has been found for MRTool.

No alerts have been found for MRTool.

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 <u>RRID</u>.

Da X, et al. (2024) Noninvasive Gamma Sensory Stimulation May Reduce White Matter and Myelin Loss in Alzheimer's Disease. Journal of Alzheimer's disease : JAD, 97(1), 359.

Boroshok AL, et al. (2023) Individual differences in T1w/T2w ratio development during childhood. Developmental cognitive neuroscience, 62, 101270.

Denis C, et al. (2023) T1-/T2-weighted ratio reveals no alterations to gray matter myelination in temporal lobe epilepsy. Annals of clinical and translational neurology, 10(11), 2149.

Sanada T, et al. (2022) Correlation of T1- to T2-weighted signal intensity ratio with T1- and T2-relaxation time and IDH mutation status in glioma. Scientific reports, 12(1), 18801.

Li J, et al. (2021) Transcriptomic and macroscopic architectures of intersubject functional variability in human brain white-matter. Communications biology, 4(1), 1417.

Thapaliya K, et al. (2020) Mapping of pathological change in chronic fatigue syndrome using the ratio of T1- and T2-weighted MRI scans. NeuroImage. Clinical, 28, 102366.

Luo X, et al. (2019) Application of T1-/T2-Weighted Ratio Mapping to Elucidate Intracortical Demyelination Process in the Alzheimer's Disease Continuum. Frontiers in neuroscience, 13, 904.

Ganzetti M, et al. (2018) A Spatial Registration Toolbox for Structural MR Imaging of the Aging Brain. Neuroinformatics, 16(2), 167.