Resource Summary Report

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MRspa

RRID:SCR_017292
Type: Tool

Proper Citation

MRspa (RRID:SCR_017292)

Resource Information

URL: https://www.cmrr.umn.edu/downloads/mrspa

Proper Citation: MRspa (RRID:SCR_017292)

Description: Software package to post process MR spectroscopy data. Magnetic Resonance signal processing and analysis software. Runs under Matlab.

Synonyms: Magnetic Resonance signal processing and analysis

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

Keywords: post, process, magnetic, resonance, spectroscopy, data, analysis

Availability: Restricted

Resource Name: MRspa

Resource ID: SCR_017292

Record Creation Time: 20220129T080334+0000

Record Last Update: 20260821T194120+0000

Ratings and Alerts

No rating or validation information has been found for MRspa.

No alerts have been found for MRspa.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Steinwurzel C, et al. (2025) Acute Supplementation of Beta-Hydroxybutyrate Increases Visual Cortical Excitability in Humans: A Combined Electro-EncephaloGraphy and Magnetic Resonance Spectroscopy Study. The European journal of neuroscience, 62(7), e70270.

Gao Y, et al. (2024) GABAergic inhibition in human hMT+ predicts visuo-spatial intelligence mediated through the frontal cortex. eLife, 13.

Zarate N, et al. (2023) Neurochemical correlates of synapse density in a Huntington's disease mouse model. Journal of neurochemistry, 164(2), 226.

Zacharopoulos G, et al. (2023) Dissecting the chain of information processing and its interplay with neurochemicals and fluid intelligence across development. eLife, 12.

Ziminski JJ, et al. (2023) Microstructural and neurochemical plasticity mechanisms interact to enhance human perceptual decision-making. PLoS biology, 21(3), e3002029.

Westwater ML, et al. (2022) Characterizing cerebral metabolite profiles in anorexia and bulimia nervosa and their associations with habitual behavior. Translational psychiatry, 12(1), 103.

Murley AG, et al. (2022) Proton magnetic resonance spectroscopy in frontotemporal lobar degeneration-related syndromes. Neurobiology of aging, 111, 64.

Zacharopoulos G, et al. (2022) The effect of parietal glutamate/GABA balance on test anxiety levels in early childhood in a cross-sectional and longitudinal study. Cerebral cortex (New York, N.Y. : 1991), 32(15), 3243.

Zacharopoulos G, et al. (2021) Predicting Working Memory Capacity Based on Glutamatergic Concentration and its Modulation of Functional Connectivity. Neuroscience, 457, 12.

Zacharopoulos G, et al. (2021) The relation between parietal GABA concentration and numerical skills. Scientific reports, 11(1), 17656.

Ip IB, et al. (2021) GABAergic inhibition in the human visual cortex relates to eye dominance. Scientific reports, 11(1), 17022.

Koolschijn RS, et al. (2021) Memory recall involves a transient break in excitatory-inhibitory balance. eLife, 10.

Zacharopoulos G, et al. (2021) Predicting learning and achievement using GABA and glutamate concentrations in human development. PLoS biology, 19(7), e3001325.

Zacharopoulos G, et al. (2021) The cross-sectional interplay between neurochemical profile and brain connectivity. Human brain mapping, 42(9), 2722.

Maruyama S, et al. (2021) Cognitive control affects motor learning through local variations in GABA within the primary motor cortex. Scientific reports, 11(1), 18566.

Zacharopoulos G, et al. (2021) The impact of a lack of mathematical education on brain development and future attainment. Proceedings of the National Academy of Sciences of the United States of America, 118(24).

Zich C, et al. (2020) Modulatory effects of dynamic fMRI-based neurofeedback on emotion regulation networks in adolescent females. NeuroImage, 220, 117053.

Deelchand DK, et al. (2020) Changes in the intracellular microenvironment in the aging human brain. Neurobiology of aging, 95, 168.

Ip IB, et al. (2019) Comparison of Neurochemical and BOLD Signal Contrast Response Functions in the Human Visual Cortex. The Journal of neuroscience : the official journal of the Society for Neuroscience, 39(40), 7968.