Resource Summary Report

Generated by NIF on Apr 20, 2025

Mango

RRID:SCR_009603
Type: Tool

Proper Citation

Mango (RRID:SCR_009603)

Resource Information

URL: http://ric.uthscsa.edu/mango/

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Description: A viewer for medical research images that provides analysis tools and a user interface to navigate image volumes. There are three versions of Mango, each geared for a different platform: * Mango ? Desktop ? Mac OS X, Windows, and Linux * webMango ? Browser ? Safari, Firefox, Chrome, and Internet Explorer * iMango ? Mobile ? Apple iPad Key Features: * Built-in support for DICOM, NIFTI, Analyze, and NEMA-DES formats * Customizable: Create plugins, custom filters, color tables, file formats, and atlases * ROI Editing: Threshold and component-based tools for painting and tracing ROIs * Surface Rendering: Interactive surface models supporting cut planes and overlays * Image Registration: Semi-automatic image coregistration and manual transform editing * Image Stacking: Threshold and transparency-based image overlay stacking * Analysis: Histogram, cross-section, time-series analysis, image and ROI statistics * Processing: Kernel and rank filtering, arithmetic/logic image and ROI calculators

Abbreviations: Mango

Synonyms: Multi-image Analysis GUI

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

Keywords: analyze, atlas application, console (text based), dicom, gifti, java, linux, macos, microsoft, magnetic resonance, nifti, os independent, platform, posix/unix-like, quantification, region of interest, registration, rendering, segmentation, spatial transformation, statistical operation, sunos/solaris, surface analysis, temporal transformation, visualization, volumetric analysis, web environment, win32 (ms windows), windows, windows vista, windows xp

Funding: NIBIB P01-EB01955;
NIBIB R01-EB015314-01a1;
NIMH R01-MH074457

Availability: Free

Resource Name: Mango

Resource ID: SCR_009603

Alternate IDs: nlx_155804

Alternate URLs: http://www.nitrc.org/projects/mango

Record Creation Time: 20220129T080253+0000

Record Last Update: 20250420T014454+0000

Ratings and Alerts

No rating or validation information has been found for Mango.

No alerts have been found for Mango.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 420 mentions in open access literature.

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

Surani Z, et al. (2025) Examining the relationship between psychosocial adversity and inhibitory control: A functional magnetic resonance imaging study of children growing up in extreme poverty. Journal of experimental child psychology, 249, 106072.

Yulug B, et al. (2025) Multi-omics characterization of improved cognitive functions in Parkinson's disease patients after the combined metabolic activator treatment: a

randomized, double-blinded, placebo-controlled phase II trial. Brain communications, 7(1), fcae478.

Norrlin L, et al. (2025) The Neural Correlates of Body Image Processing in Anorexia Nervosa and Bulimia Nervosa: An Activation Likelihood Estimation Meta-Analysis of fMRI Studies. International journal of environmental research and public health, 22(1).

Wißmann R, et al. (2025) Imaging cell spheroid clusters: An MRI protocol for non-invasive standardized characterization. Heliyon, 11(2), e41803.

Dörner M, et al. (2025) Associations of inferior frontal sulcal hyperintensities on brain MRI with cerebral small vessel disease, cognitive function, and depression symptoms. Scientific reports, 15(1), 2999.

Sundermann B, et al. (2024) Seeing more than the Tip of the Iceberg: Approaches to Subthreshold Effects in Functional Magnetic Resonance Imaging of the Brain. Clinical neuroradiology, 34(3), 531.

Fischbach AK, et al. (2024) Seven Tesla Evidence for Columnar and Rostral-Caudal Organization of the Human Periaqueductal Gray Response in the Absence of Threat: A Working Memory Study. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(26).

Arndt P, et al. (2024) Risk factors for intracerebral hemorrhage in small-vessel disease and non-small-vessel disease etiologies-an observational proof-of-concept study. Frontiers in neurology, 15, 1322442.

Pinto J, et al. (2024) Psychological symptoms and brain activity alterations in women with PCOS and their relation to the reduced quality of life: a narrative review. Journal of endocrinological investigation, 47(7), 1.

Hildebrand L, et al. (2024) Transcranial Magnetic Stimulation of the Default Mode Network to Improve Sleep in Individuals With Insomnia Symptoms: Protocol for a Double-Blind Randomized Controlled Trial. JMIR research protocols, 13, e51212.

Lu X, et al. (2024) Symmetry breaking of fluorophore binding to a G-quadruplex generates an RNA aptamer with picomolar KD. Nucleic acids research, 52(14), 8039.

Zhao M, et al. (2024) Two different mirror neuron pathways for social and non-social actions? A meta-analysis of fMRI studies. Social cognitive and affective neuroscience, 19(1).

Dong J, et al. (2024) The impact of fine-tuning paradigms on unknown plant diseases recognition. Scientific reports, 14(1), 17900.

Fascher M, et al. (2024) Neural underpinnings of response inhibition in substance use disorders: weak meta-analytic evidence for a widely used construct. Psychopharmacology, 241(1), 1.

Bulut T, et al. (2024) Contributions of the left and right thalami to language: A meta-analytic

approach. Brain structure & function, 229(9), 2149.

Lou S, et al. (2024) An in silico procedure for generating protein-mediated chromatin interaction data and comparison of significant interaction calling methods. PloS one, 19(1), e0287521.

Khanna AR, et al. (2024) Single-neuronal elements of speech production in humans. Nature, 626(7999), 603.

El-Shabasy RM, et al. (2024) Valorization potential of Egyptian mango kernel waste product as analyzed via GC/MS metabolites profiling from different cultivars and geographical origins. Scientific reports, 14(1), 2886.

Kim JJ, et al. (2024) The neuroscience of itch in relation to transdiagnostic psychological approaches. Scientific reports, 14(1), 21476.

Zhang Q, et al. (2024) Meta-analysis of resting-state fMRI in cervical spondylosis patients using AES-SDM. Frontiers in neurology, 15, 1439939.