Resource Summary Report

Generated by NIF on Apr 22, 2025

Anima

RRID:SCR_017017
Type: Tool

Proper Citation

Anima (RRID:SCR_017017)

Resource Information

URL: https://anima.irisa.fr

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Description: Portal provides software library and python scripts for medical image processing. Open source set of software tools for medical image processing, medical image analysis, image registration, statistical analysis, quantitative MRI processing, image denoising and filtering, and segmentation developed by VISAGES/Empenn research team. Available as Github repository and compiled binaries for various OS including OSX, Fedora, Ubuntu, Windows.

Resource Type: software resource, data analysis software, image analysis software, data processing software, mri 3d image, diffusion-weighted mri 3d image, image, image processing software, registration software, data or information resource, portal, software toolkit, software application, 3d spatial image

Keywords: medical, image, processing, analysis, registration, statistical, quantitative, MRI, data, VISAGES

Funding:

Availability: Free, Freely available, Available for download

Resource Name: Anima

Resource ID: SCR_017017

Alternate URLs: http://olivier.commowick.org/software_anima.php

License: Affero GPL license

Record Creation Time: 20220129T080333+0000

Record Last Update: 20250422T060001+0000

Ratings and Alerts

No rating or validation information has been found for Anima.

No alerts have been found for Anima.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Roberts H, et al. (2024) State rumination predicts inhibitory control failures and dysregulation of default, salience, and cognitive control networks in youth at risk of depressive relapse: Findings from the RuMeChange trial. Journal of affective disorders reports, 16.

Wiltgen T, et al. (2024) LST-AI: A deep learning ensemble for accurate MS lesion segmentation. NeuroImage. Clinical, 42, 103611.

Shahid SS, et al. (2024) Estimating the synaptic density deficit in Alzheimer's disease using multi-contrast CEST imaging. PloS one, 19(3), e0299961.

Shahid SS, et al. (2023) Perturbed neurochemical and microstructural organization in a mouse model of prenatal opioid exposure: A multi-modal magnetic resonance study. PloS one, 18(7), e0282756.

Snoussi H, et al. (2023) Effectiveness of regional diffusion MRI measures in distinguishing multiple sclerosis abnormalities within the cervical spinal cord. Brain and behavior, 13(11), e3159.

Wiltgen T, et al. (2023) LST-AI: a Deep Learning Ensemble for Accurate MS Lesion Segmentation. medRxiv : the preprint server for health sciences.

Legouhy A, et al. (2023) Volumetric and microstructural abnormalities of the amygdala in focal epilepsy with varied levels of SUDEP risk. medRxiv : the preprint server for health sciences.

Beaumont J, et al. (2023) Multi T1-weighted contrast imaging and T1 mapping with compressed sensing FLAWS at 3 T. Magma (New York, N.Y.).

Ashtari P, et al. (2022) New multiple sclerosis lesion segmentation and detection using pre-activation U-Net. Frontiers in neuroscience, 16, 975862.

Combès B, et al. (2021) A Clinically-Compatible Workflow for Computer-Aided Assessment of Brain Disease Activity in Multiple Sclerosis Patients. Frontiers in medicine, 8, 740248.

Commowick O, et al. (2021) Multiple sclerosis lesions segmentation from multiple experts: The MICCAI 2016 challenge dataset. NeuroImage, 244, 118589.

Dubois M, et al. (2021) Multiparametric Analysis of Cerebral Development in Preterm Infants Using Magnetic Resonance Imaging. Frontiers in neuroscience, 15, 658002.

Beaumont J, et al. (2021) High-resolution multi-T1 -weighted contrast and T1 mapping with low B1>+ sensitivity using the fluid and white matter suppression (FLAWS) sequence at 7T. Magnetic resonance in medicine, 85(3), 1364.

Legouhy A, et al. (2020) Regional brain development analysis through registration using anisotropic similarity, a constrained affine transformation. PloS one, 15(2), e0214174.

Coloigner J, et al. (2019) White matter abnormalities in depression: A categorical and phenotypic diffusion MRI study. NeuroImage. Clinical, 22, 101710.