Resource Summary Report

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NiftyFit

RRID:SCR_014301
Type: Tool

Proper Citation

NiftyFit (RRID:SCR_014301)

Resource Information

URL: https://cmiclab.cs.ucl.ac.uk/CMIC/NiftyFit-Release

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Description: Software package for multi-parametric model-fitting of 4D Magnetic Resonance Imaging data. Software library to facilitate voxel wise fitting on a number of datatypes including T1 and T2 relaxometry, Arterial Spin Labeled MRI, Diffusion Weighted Imaging and Dynamic Contrast Enhanced MRI. T

Resource Type: software resource, software library, software toolkit

Defining Citation: PMID:26972806

Keywords: software library, voxel wise fit, relaxometry, mri, bio.tools

Funding: MRC ;
NIHR ;
EPSRC ;
NIHR BRC

Availability: Free, Available for download, Freely available

Resource Name: NiftyFit

Resource ID: SCR_014301

Alternate IDs: biotools:niftyfit, BioTools:niftyfit

Alternate URLs: https://github.com/KCL-BMEIS/niftyreg, https://bio.tools/niftyfit, https://bio.tools/niftyfit, https://bio.tools/niftyfit

License: BSD

Record Creation Time: 20220129T080320+0000

Record Last Update: 20260801T190510+0000

Ratings and Alerts

No rating or validation information has been found for NiftyFit.

No alerts have been found for NiftyFit.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Zhao Y, et al. (2025) Pulmonary regional blood flow: validation of low-dose two-volume dynamic CT perfusion imaging in a swine model. European radiology experimental, 9(1), 17.

Soskic S, et al. (2025) Thalamus involvement in genetic frontotemporal dementia assessed using structural and diffusion MRI: a GENFI study. Brain communications, 7(6), fcaf420.

Calvi A, et al. (2024) Treatment reduces the incidence of newly appearing multiple sclerosis lesions evolving into chronic active, slowly expanding lesions: A retrospective analysis. European journal of neurology, 31(1), e16092.

Yang X, et al. (2024) White Matter Magnetic Resonance Diffusion Measures in Multiple Sclerosis with Overactive Bladder. Brain sciences, 14(10).

Fidon L, et al. (2021) A spatio-temporal atlas of the developing fetal brain with spina bifida aperta. Open research Europe, 1, 123.

Weston PSJ, et al. (2020) Measuring cortical mean diffusivity to assess early microstructural cortical change in presymptomatic familial Alzheimer's disease. Alzheimer's research & therapy, 12(1), 112.

Smith LA, et al. (2019) Cortical cerebral blood flow in ageing: effects of haematocrit, sex, ethnicity and diabetes. European radiology, 29(10), 5549.

Lane CA, et al. (2017) Study protocol: Insight 46 - a neuroscience sub-study of the MRC National Survey of Health and Development. BMC neurology, 17(1), 75.

Melbourne A, et al. (2016) NiftyFit: a Software Package for Multi-parametric Model-Fitting of 4D Magnetic Resonance Imaging Data. Neuroinformatics, 14(3), 319.