

Resource Summary Report

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POAS4SPM

RRID:SCR_010469

Type: Tool

Proper Citation

POAS4SPM (RRID:SCR_010469)

Resource Information

URL: <http://www.diffusiontools.com/documentation/poas.html>

Proper Citation: POAS4SPM (RRID:SCR_010469)

Description: Software toolbox for SPM to denoise diffusion MRI data. Used for diffusion weighted magnetic resonance imaging data enhancement based on structural adaptive smoothing in both voxel space and diffusion-gradient space. Part of the ACID-toolbox.

Abbreviations: POAS4SPM

Synonyms: Position Orientation Adaptive Smoothing for SPM

Resource Type: software resource

Defining Citation: [PMID:24993814](#)

Keywords: denoise diffusion MRI data, diffusion weighted, magnetic resonance imaging data, MRI data,

Funding: Wellcome Trust ;
Deutsche Forschungsgemeinschaft

Resource Name: POAS4SPM

Resource ID: SCR_010469

Alternate IDs: nlx_157718

Alternate URLs: <http://www.diffusiontools.com/>

Record Creation Time: 20220129T080259+0000

Record Last Update: 20260801T190352+0000

Ratings and Alerts

No rating or validation information has been found for POAS4SPM.

No alerts have been found for POAS4SPM.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [ASWG](#) .

Catoira B, et al. (2025) Exploring the Effects of Cerebellar tDCS on Brain Connectivity Using Resting-State fMRI. Brain and behavior, 15(2), e70302.

Schulz MA, et al. (2023) Similar neural pathways link psychological stress and brain-age in health and multiple sclerosis. iScience, 26(9), 107679.

Tabelow K, et al. (2015) POAS4SPM: a toolbox for SPM to denoise diffusion MRI data. Neuroinformatics, 13(1), 19.

Becker SM, et al. (2014) Adaptive smoothing of multi-shell diffusion weighted magnetic resonance data by msPOAS. NeuroImage, 95, 90.