Resource Summary Report

Generated by NIF on May 20, 2025

Soma-Segmentation

RRID:SCR_015649

Type: Tool

Proper Citation

Soma-Segmentation (RRID:SCR_015649)

Resource Information

URL: https://github.com/keepersecond/Soma-Segmentation

Proper Citation: Soma-Segmentation (RRID:SCR_015649)

Description: Source code for a soma segmentation method suitable for datasets with touching soma distributions. The method contains three main parts: soma detection based on DT and local maximum searching and refining; an improved Rayburst sampling algorithm for isolated and touching soma surface detection; and ellipsoid fitting to generate the segmentation results.

Resource Type: software resource, source code, algorithm resource

Keywords: soma, segmentation method, touching soma distribution, rayburst sampling algorithm, soma detection, matlab

Funding:

Availability: Free, Available for download

Resource Name: Soma-Segmentation

Resource ID: SCR_015649

Record Creation Time: 20220129T080326+0000

Record Last Update: 20250519T204827+0000

Ratings and Alerts

No rating or validation information has been found for Soma-Segmentation.

No alerts have been found for Soma-Segmentation.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Hu T, et al. (2017) Touching Soma Segmentation Based on the Rayburst Sampling Algorithm. Neuroinformatics, 15(4), 383.