

Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

Soma-Segmentation

RRID:SCR_015649

Type: Tool

Proper Citation

Soma-Segmentation (RRID:SCR_015649)

Resource Information

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

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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

Availability: Free, Available for download

Resource Name: Soma-Segmentation

Resource ID: SCR_015649

Record Creation Time: 20220129T080326+0000

Record Last Update: 20260805T044343+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 [RRID](#) .

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