

Resource Summary Report

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scikit-image

RRID:SCR_021142

Type: Tool

Proper Citation

scikit-image (RRID:SCR_021142)

Resource Information

URL: <https://scikit-image.org/>

Proper Citation: scikit-image (RRID:SCR_021142)

Description: Open source software tool as collection of image processing algorithms implemented in Python programming language. Image processing library that implements algorithms and utilities developed by active, international team of collaborators.

Resource Type: image processing software, software toolkit, software application, data processing software, software resource

Defining Citation: [DOI:10.7717/peerj.453](https://doi.org/10.7717/peerj.453)

Keywords: Image processing toolkit, Python, image processing library, algorithms collection

Availability: Free, Available for download, Freely available

Resource Name: scikit-image

Resource ID: SCR_021142

License: BSD license

Record Creation Time: 20220129T080354+0000

Record Last Update: 20260804T043716+0000

Ratings and Alerts

No rating or validation information has been found for scikit-image.

No alerts have been found for scikit-image.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 100 mentions in open access literature.

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

Li H, et al. (2026) Few-shot learning for highly accelerated 3D time-of-flight MRA reconstruction. Magnetic resonance in medicine, 95(2), 770.

Yi J, et al. (2025) AI-based Hepatic Steatosis Detection and Integrated Hepatic Assessment from Cardiac CT Attenuation Scans Enhances All-cause Mortality Risk Stratification: A Multi-center Study. medRxiv : the preprint server for health sciences.

Zheng Y, et al. (2025) A dataset of spatially resolved transcriptomics of post-natal cardiac development in mice. Scientific data, 12(1), 1531.

Litsios A, et al. (2025) Protocol for cell image-based spatiotemporal proteomics in budding yeast. STAR protocols, 6(1), 103577.

Zhou X, et al. (2025) Glymphatic, Structural, and Cognitive Changes During Breast Cancer Chemotherapy: A Longitudinal MRI Study. Human brain mapping, 46(13), e70334.

Belyantseva IA, et al. (2025) Taperin bundles F-actin at stereocilia pivot points enabling optimal lifelong mechanosensitivity. The Journal of cell biology, 224(8).

Irfan MO, et al. (2025) Robust consensus nuclear and cell segmentation. Frontiers in genetics, 16, 1547788.

Grishchenko N, et al. (2025) Toggle-Untoggle - a cell segmentation tool with an interactive user verification interface. Journal of cell science, 138(22).

Manescu P, et al. (2025) Computational Pathology Detection of Hypoxia-Induced Morphologic Changes in Breast Cancer. The American journal of pathology, 195(4), 663.

Schellberg BG, et al. (2025) In situ monitoring of barrier function on-chip via automated, non-invasive luminescence sensing. Lab on a chip, 25(14), 3430.

Miyoshi T, et al. (2025) Single-molecule fluorescence microscopy reveals regulatory mechanisms of MYO7A-driven cargo transport in stereocilia of live inner ear hair cells. Nature communications, 16(1), 8149.

Picazo PI, et al. (2025) Deep learning predicts haematopoietic stem cell ageing from 3D chromatin images. bioRxiv : the preprint server for biology.

Kasnesis P, et al. (2025) A Knee Rehabilitation Exercises Dataset for Postural Assessment using Wearable Devices. Scientific data, 12(1), 610.

Chan KY, et al. (2025) GPX4-dependent ferroptosis sensitivity is a fitness trade-off for cell enlargement. *iScience*, 28(5), 112363.

Till T, et al. (2025) Impact of test set composition on AI performance in pediatric wrist fracture detection in X-rays. *European radiology*, 35(11), 6853.

Saharkhiz S, et al. (2025) VNC-Dist: A machine learning-based semi-automated pipeline for quantification of neuronal position in the *C. elegans* ventral nerve cord. *PloS one*, 20(8), e0331188.

Jamann N, et al. (2025) Layer 5 myelination gates corticothalamic coincidence detection. *Nature communications*, 16(1), 10922.

Randhawa P, et al. (2025) Quantitative dual-isotope preclinical SPECT/CT imaging and biodistribution of the mercury-197m/g theranostic pair with [197m/gHg]HgCl₂ and a [197m/gHg]Hg-tetrathiol complex as a platform for radiopharmaceutical development. *EJNMMI radiopharmacy and chemistry*, 10(1), 67.

Asadipour B, et al. (2025) Label-free nonlinear microscopy probes cellular metabolism and myelin dynamics in live tissue. *Communications biology*, 8(1), 1811.

Ciarmiello A, et al. (2025) Global and regional accuracy of deep learning-based tumor segmentation from whole-body [18F]fluorodeoxyglucose PET/CT images. *EJNMMI research*, 16(1), 3.