

Resource Summary Report

Generated by [NIF](#) on Sep 2, 2026

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

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: 20260829T182704+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 133 mentions in open access literature.

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

Stranger N, et al. (2026) Radiography-based AI decision support for further post-traumatic knee MRI referral in children. BMC medical imaging, 26(1).

Bayati A, et al. (2026) AutoMorphoTrack: A modular framework for quantitative analysis of organelle morphology, motility, and interactions at single-cell resolution. bioRxiv : the preprint server for biology.

Lu R, et al. (2026) Image-based rachis phenotyping facilitates genetic dissection of spikelet distribution in wheat. Plant physiology, 200(1).

Schellberg BG, et al. (2026) Automated culture and monitoring of a high-throughput human heart-on-a-chip. bioRxiv : the preprint server for biology.

Hu S, et al. (2026) Single cell snapshot analyses under proper representation reveal that epithelial-mesenchymal transition couples at G1 and G2/M. Communications biology, 9(1), 212.

Higashise N, et al. (2026) Morphological Distinction of Descemet's Membrane Protrusions in Bullous Keratopathy and Guttatae in Fuchs Endothelial Corneal Dystrophy. Investigative ophthalmology & visual science, 67(5), 63.

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

Park YH, et al. (2026) Detection of Soil-Borne Pathogens Using Fine-Tuned Deep Learning Models: A Case Study on the Soybean Cyst Nematode (*Heterodera glycines* Ichinohe). The plant pathology journal, 42(1), 69.

Yang LM, et al. (2026) Mitotic chromatin compaction tethers extrachromosomal DNA to chromosomes and prevents their mis-segregation into micronuclei. The Journal of biological chemistry, 302(2), 111081.

Demesa-Arevalo E, et al. (2026) Imputation integrates single-cell and spatial gene expression data to resolve transcriptional networks in barley shoot meristem development. Nature plants, 12(1), 107.

Noorani SM, et al. (2026) Demand-oriented regionalization with local data. Scientific reports, 16(1).

Baeza-Loya S, et al. (2026) Activity and retinoic acid drive hair cell spatial patterning in the zebrafish utricle. Development (Cambridge, England), 153(6).

Vadasiute A, et al. (2026) Deletion of Snap25 disrupts glial remodeling in aging mouse brain. *iScience*, 29(7), 116478.

Vanneste D, et al. (2026) MafB is a conserved transcriptional regulator of macrophage development and functional identity across tissues and species. *Immunity*, 59(3), 559.

Lambertucci F, et al. (2026) Acyl-CoA-binding protein (ACBP): a poor-prognosis biomarker in sepsis and a target for disease mitigation. *Signal transduction and targeted therapy*, 11(1).

Emram R, et al. (2026) Susceptibility of the Oral Commensal Bacterium *Streptococcus sanguinis* to ZnO Nanoparticles. *International journal of molecular sciences*, 27(6).

Jiang J, et al. (2026) A CNN-transformer dual-branch network with structure-aware loss for high-resolution edge detection. *Scientific reports*, 16(1).

Pendyala S, et al. (2026) Image-based, pooled phenotyping reveals multidimensional, disease-specific variant effects. *Cell*, 189(13), 4040.

Rahmani M, et al. (2026) Type 2 diabetes disrupts T-tubule and RyR2 organization in male but not in female rat ventricular muscle. *American journal of physiology. Heart and circulatory physiology*, 330(4), H1048.

Kremneva E, et al. (2026) Precision tumor-on-chip for personalized assessment of drug efficacy and immune cell delivery. *Cell reports methods*, 101475.