Resource Summary Report

Generated by SPARC SAWG on Sep 17, 2026

pydicom

RRID:SCR_002573
Type: Tool

Proper Citation

pydicom (RRID:SCR_002573)

Resource Information

URL: https://pydicom.github.io/

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Description: Software Python package for working with DICOM files, made for inspecting and modifying DICOM data in an easy pythonic way. The modifications can be written again to a new file. As a pure python package, it should run anywhere python runs without any other requirements.

Abbreviations: pydicom

Resource Type: software resource, software toolkit

Keywords: reusable library, console (text based), dicom, magnetic resonance, os independent, python

Availability: Free, Available for download, Freely available

Resource Name: pydicom

Resource ID: SCR_002573

Alternate IDs: nlx_155976

Alternate URLs: http://www.nitrc.org/projects/pydicom, https://sources.debian.org/src/python3-pydicom/,

Old URLs: http://pydicom.googlecode.com

License: MIT License

Record Creation Time: 20220129T080214+0000

Record Last Update: 20260912T200228+0000

Ratings and Alerts

No rating or validation information has been found for pydicom.

No alerts have been found for pydicom.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 104 mentions in open access literature.

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

Krag CH, et al. (2026) Motion artifacts and image quality in stroke MRI: associated factors and impact on AI and human diagnostic accuracy. European radiology, 36(1), 265.

Hu J, et al. (2026) A rapid total-body PET imaging approach for pediatric patients using non-attenuation-corrected PET scans. EJNMMI physics, 13(1).

Chu Y, et al. (2026) Identification of TFCC substructure injury in wrist MRI using computer vision: a diagnostic aid for radiologists. Skeletal radiology, 55(5), 1045.

O'Shea R, et al. (2026) Independent Testing of Published CT Models for PD-L1 Status in Non-Small Cell Lung Cancer. Radiology, 318(3), e241962.

Rulloni VS, et al. (2026) An open B-mode ultrasound database for deep learning-based atherosclerotic plaque segmentation. Scientific data, 13(1).

Takahashi K, et al. (2026) Deep learning-based auto-contouring for organs at risk in three-dimensional image-guided brachytherapy for cervical cancer and endometrial cancer. Journal of applied clinical medical physics, 27(4), e70570.

Galante S, et al. (2026) Automatic early detection of pathological signs following primary total hip arthroplasty using radiographs, clinical scores, and comorbidities. PloS one, 21(6), e0348790.

Ng Z, et al. (2026) An Analysis of Acquisition Dose in Male Mammography. Journal of medical radiation sciences, 73(1), 52.

Wood DA, et al. (2026) Self-Supervised Text-Vision Alignment for Automated Brain MRI Abnormality Detection: A Multicenter Study (ALIGN Study). Radiology. Artificial intelligence, 8(2), e240619.

Yamamoto S, et al. (2026) Automated Measurement of Occipito-Axial Angle on Cervical Radiographs Using a Deep Learning Object Detection Model: A Proof-of-Concept Study. Neurospine, 23(2), 380.

Kurt-Bayrakdar S, et al. (2025) Advancing periodontal diagnosis: harnessing advanced artificial intelligence for patterns of periodontal bone loss in cone-beam computed tomography. Dento maxillo facial radiology, 54(4), 268.

Kim KH, et al. (2025) Translation of computed tomography images to T2-Weighted magnetic resonance images of lumbar spine using generative adversarial networks on sagittal images. Scientific reports, 15(1), 18385.

Black JA, et al. (2025) 3D printing of an optic pathway model from 7T MRI for education. 3D printing in medicine, 11(1), 47.

Han Z, et al. (2025) An Integrated Mycobacterial CT Imaging Dataset with Multispecies Information. Scientific data, 12(1), 533.

Kim K, et al. (2025) Deep learning-based organ-wise dosimetry of 64Cu-DOTA-rituximab through only one scanning. Scientific reports, 15(1), 5627.

Sowa H, et al. (2025) Perivascular inflammation in the progression of aortic aneurysms in Marfan syndrome. JCI insight, 10(19).

Dendo Y, et al. (2025) A practical slice averaged image method for precise CT size specific dose estimates. Scientific reports, 15(1), 42870.

Rhee W, et al. (2025) Deep learning-based prediction of cervical canal stenosis from mid-sagittal T2-weighted MRI. Skeletal radiology, 54(10), 2067.

Kimura T, et al. (2025) Development of anatomically accurate digital organ models for surgical simulation and training. PloS one, 20(4), e0320816.

Flores JD, et al. (2025) Clinical photon-counting CT increases CT number precision and reduces patient size dependence compared to single- and dual-energy CT. The British journal of radiology, 98(1169), 721.