

Resource Summary Report

Generated by PRECISE-TBI on Jul 31, 2026

PyTorch

RRID:SCR_018536

Type: Tool

Proper Citation

PyTorch (RRID:SCR_018536)

Resource Information

URL: <https://pytorch.org/>

Proper Citation: PyTorch (RRID:SCR_018536)

Description: Open source machine learning library based on Torch library, used for applications such as computer vision and natural language processing. Software Python package that provides tensor computation with strong GPU acceleration and deep neural networks built on tape-based autograd system.

Resource Type: software toolkit, software resource

Keywords: Computer vision, natural language processing, Python, tensor computation, neural network

Availability: Free, Available for download, Freely available

Resource Name: PyTorch

Resource ID: SCR_018536

Alternate URLs: <https://github.com/pytorch/pytorch>

License: Modified BSD license

Record Creation Time: 20220129T080340+0000

Record Last Update: 20260729T044442+0000

Ratings and Alerts

No rating or validation information has been found for PyTorch.

No alerts have been found for PyTorch.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3311 mentions in open access literature.

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

Meghdadi B, et al. (2026) Digital twins for in vivo metabolic flux estimations in patients with brain cancer. *Cell metabolism*, 38(1), 228.

Gül S, et al. (2026) A Multimodular AI Algorithm for Automated Assessment of Left Ventricular Function in Ischemic Heart Disease: Ejection Fraction, Wall Motion, and Regional Myocardial Segmentation. *Balkan medical journal*, 43(1), 25.

Eichhorn H, et al. (2026) Motion-robust T_2^* quantification from low-resolution gradient echo brain MRI with physics-informed deep learning. *Magnetic resonance in medicine*, 95(1), 346.

Rizvi SA, et al. (2026) Scaling Large Language Models for Next-Generation Single-Cell Analysis. *bioRxiv : the preprint server for biology*.

Peng Y, et al. (2026) Integrated deep eutectic system enrichment and AI-assisted high-throughput visual detection for Hg²⁺ in environmental samples. *Journal of advanced research*, 79, 801.

Jeong H, et al. (2026) A Hybrid Diffusion Model Enhances Multiparametric 3D Photoacoustic Computed Tomography. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(1), e13624.

Tampu IE, et al. (2026) Pediatric brain tumor classification using digital pathology and deep learning: Evaluation of SOTA methods on a multi-center Swedish cohort. *Brain pathology (Zurich, Switzerland)*, 36(1), e70029.

Patterson G, et al. (2026) Simulation-Based Spatially Explicit Close-Kin Mark-Recapture. *Molecular ecology resources*, 26(1), e70074.

Yan K, et al. (2026) DSCA-HLAII: A dual-stream cross-attention model for predicting peptide-HLA class II interaction and presentation. *PLoS computational biology*, 22(1), e1013836.

Gou Q, et al. (2026) Adversarial selective domain adaptation with feature cluster for skin cancer diagnosis. *Scientific reports*, 16(1), 223.

Fransson V, et al. (2026) Dual energy CT and deep learning for an automated volumetric segmentation of the major intracranial tissues: Feasibility and initial findings. *Medical physics*, 53(1), e70217.

Gao F, et al. (2026) Mixed U-Net: Segmentation of focal liver lesions using a hybrid 2D and 3D model. *Journal of applied clinical medical physics*, 27(1), e70408.

Shymkiv Y, et al. (2025) Slow cortical dynamics generate context processing and novelty detection. *Neuron*, 113(6), 847.

Chen J, et al. (2025) Protein model building for intermediate-resolution cryo-EM maps by integrating evolutionary and experimental information. *Structure (London, England : 1993)*.

Hoang DT, et al. (2025) Path2Omics Enhances Transcriptomic and Methylation Prediction Accuracy from Tumor Histopathology. *Cancer research*, 85(24), 5098.

Lombard V, et al. (2025) SeaMoon: From protein language models to continuous structural heterogeneity. *Structure (London, England : 1993)*, 33(9), 1577.

Liu LL, et al. (2025) MMRNet: Ensemble deep learning models for predicting mismatch repair deficiency in endometrial cancer from histopathological images. *Cell reports. Medicine*, 6(5), 102099.

Stupichev D, et al. (2025) AI-driven multimodal algorithm predicts immunotherapy and targeted therapy outcomes in clear cell renal cell carcinoma. *Cell reports. Medicine*, 6(8), 102299.

Lee KS, et al. (2025) Functional assessment of all ATM SNVs using prime editing and deep learning. *Cell*, 188(18), 5081.

Ellis S, et al. (2025) AI-assisted Diagnosis of Nonmelanoma Skin Cancer in Resource-Limited Settings. *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*, 34(7), 1080.