

Resource Summary Report

Generated by NIF on Aug 7, 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: 20260803T040758+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 4516 mentions in open access literature.

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

Rub J, et al. (2026) Deep-Learning Tool ScVital Enables Species-Agnostic Integration of Cancer Cell States. *Cancer research*, 86(4), 858.

Brönnimann L, et al. (2026) Deep generative modeling captures maturation-dependent pairing patterns in human antibodies. *iScience*, 29(1), 114447.

Lyu Y, et al. (2026) Development and application of an instrument for microstructure matrix inclusion distribution analysis in oversized metallic materials. *iScience*, 29(2), 114620.

Zhou X, et al. (2026) Knowledge-enhanced pretraining for vision-language pathology foundation model on cancer diagnosis. *Cancer cell*, 44(4), 777.

Li D, et al. (2026) HMP-MUNet: A Hybrid Deep Learning Framework for Automated Skin Lesion Segmentation in Dermoscopic Images. *Journal of visualized experiments : JoVE*(229).

Liang J, et al. (2026) Spatial biomarker discovery via interpretable semantic learning in histopathology. *Cancer cell*.

Shulman ED, et al. (2026) AI-predicted spatial transcriptomics unlocks breast cancer biomarkers from pathology. *Cell*, 189(14), 4225.

Moassefi M, et al. (2026) MRI Deep Learning for Differentiating Glioblastoma, IDH Wild-type from Central Nervous System Diffuse Large B-cell Lymphoma. *Cancer research communications*, 6(5), 1168.

Luo S, et al. (2026) Protocol for an interpretable self-attention artificial neural network framework to predict cancer risk in oral potentially malignant disorders. *STAR protocols*, 7(2), 104490.

Daste S, et al. (2026) Projection-specific routing of odor information in the olfactory cortex. *Current biology : CB*, 36(11), 2890.

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

David MA, et al. (2026) Demystifying machine learning approaches in digital bone imaging using microCT and HRpQCT. *Bone reports*, 29, 101911.

McLeod AA, et al. (2026) Classifying electric service disruptions under deep uncertainty: A comparative analysis of algorithms and their policy outcomes. *iScience*, 29(7), 116447.

Nong C, et al. (2026) MotorQuant: A novel tool for motor function assessment in spinal cord injured mice. *Behavioural brain research*, 510, 116243.

Wang F, et al. (2026) An EEG dataset for handwriting imagery decoding of Chinese character strokes and Pinyin single vowels. *Scientific data*, 13(1).

Martí-Gómez C, et al. (2026) Inference and Visualization of Complex Genotype-Phenotype Maps. *Molecular biology and evolution*, 43(2).

Miki A, et al. (2026) Exploring the proprioceptive potential of joint receptors using a biomimetic robotic joint. *Scientific reports*, 16(1), 4724.

Jiang Z, et al. (2026) Visual security defense for industrial inspection based on computer vision. *PloS one*, 21(2), e0338835.

Aljapur V, et al. (2026) FAST - filamentous actin segmentation tool for quantifying cytoskeletal organization. *Journal of cell science*, 139(4).

Yuan L, et al. (2026) Improved bayesian network with graph attention and prior algorithm for aircraft engine fault root cause analysis. *Scientific reports*, 16(1), 5924.