Resource Summary Report

Generated by nidm-terms on Sep 23, 2026

OpenPose

RRID:SCR_022362
Type: Tool

Proper Citation

OpenPose (RRID:SCR_022362)

Resource Information

URL: https://edspace.american.edu/openbehavior/project/mmop/

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Description: Software tool as multi subject keypoint detection library for real time pose estimation.Used to track behavior of monkeys in natural environments, without disrupting their typical pattern of behavior. Deep learning software system for body, face, hands, and foot estimation in monkeys.

Resource Type: data analysis software, data processing software, software application, software resource

Defining Citation: DOI:10.1101/2021.01.28.428726

Keywords: OpenBehavior, tracking limb orientation, behavior measurement, freely moving, realtime recording and analysis, video analysis

Availability: Free, Available for download, Freely available

Resource Name: OpenPose

Resource ID: SCR_022362

Alternate URLs: https://github.com/CMU-Perceptual-Computing-Lab/openpose

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Record Creation Time: 20220602T050140+0000

Record Last Update: 20260919T195522+0000

Ratings and Alerts

No rating or validation information has been found for OpenPose.

No alerts have been found for OpenPose.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Efthimiou TN, et al. (2025) duet: An R package for dyadic analysis of motion data generated by OpenPose. Behavior research methods, 57(11), 295.

Neuber L, et al. (2025) Eyes ahead: a scoping review of technologies enabling humanoid robots to follow human gaze. Frontiers in robotics and AI, 12, 1723527.

Lee GY, et al. (2025) Medication versus globus pallidus internus deep brain stimulation in Parkinson's disease with deep learning video analysis of finger tapping. Scientific reports, 15(1), 17557.

Jahn L, et al. (2025) Comparison of marker-less 2D image-based methods for infant pose estimation. Scientific reports, 15(1), 12148.

O'Neill GC, et al. (2025) Combining video telemetry and wearable MEG for naturalistic imaging. Imaging neuroscience (Cambridge, Mass.), 3.

Mizuta N, et al. (2024) Characteristics of limb kinematics in the gait disorders of post-stroke patients. Scientific reports, 14(1), 3082.

Diaz-Rojas F, et al. (2024) Estimation of human body 3D pose for parent-infant interaction settings using azure Kinect and OpenPose. MethodsX, 13, 102861.

Tharatipyakul A, et al. (2024) Deep learning-based human body pose estimation in providing feedback for physical movement: A review. Heliyon, 10(17), e36589.

Bauer A, et al. (2024) Phonetic differences between affirmative and feedback head nods in German Sign Language (DGS): A pose estimation study. PloS one, 19(5), e0304040.

Wakabayashi H, et al. (2024) Development of a Personal Guide Robot That Leads a Guest Hand-in-Hand While Keeping a Distance. Sensors (Basel, Switzerland), 24(7).

Hu H, et al. (2022) Towards a Visualizable, De-identified Synthetic Biomarker of Human Movement Disorders. Journal of Parkinson's disease, 1(-1), 2085.

Rocha S, et al. (2022) Assessing Sensorimotor Synchronisation in Toddlers Using the Lookit Online Experiment Platform and Automated Movement Extraction. Frontiers in

psychology, 13, 897230.

Mizuta N, et al. (2022) Merged swing-muscle synergies and their relation to walking characteristics in subacute post-stroke patients: An observational study. PloS one, 17(2), e0263613.