Resource Summary Report

Generated by dkNET on Apr 26, 2025

Nexus

RRID:SCR 015001

Type: Tool

Proper Citation

Nexus (RRID:SCR_015001)

Resource Information

URL: https://www.vicon.com/products/software/nexus

Proper Citation: Nexus (RRID:SCR_015001)

Description: Data capture software for use with Vicon motion capture system. Its features include MATLAB integration, Python pre-installed, customized workflow, and automated quality assessment.

Synonyms: Nexus 2, Nexus 1.8.5, Nexus 2.5.0, Nexus 2.4.0

Resource Type: data acquisition software, software application, software resource, data

processing software

Keywords: biomechanics, motion capture

Funding:

Availability: Available for download

Resource Name: Nexus

Resource ID: SCR_015001

Alternate URLs: https://www.vicon.com/downloads/core-software/nexus

Record Creation Time: 20220129T080323+0000

Record Last Update: 20250426T060441+0000

Ratings and Alerts

No rating or validation information has been found for Nexus.

No alerts have been found for Nexus.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 318 mentions in open access literature.

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

Coomber AL, et al. (2025) A pangenome analysis reveals the center of origin and evolutionary history of Phytophthora infestans and 1c clade species. PloS one, 20(1), e0314509.

Eijking HM, et al. (2025) Image-based robotic (ROSA® knee system) total knee arthroplasty with inverse kinematic alignment compared to conventional total knee arthroplasty: Study protocol and the inverse kinematic alignment in 8-steps using the ROSA® Knee system for knee balancing technique explained. Journal of orthopaedic surgery and research, 20(1), 47.

Anaya-Campos LE, et al. (2025) Motion Smoothness Analysis of the Gait Cycle, Segmented by Stride and Associated with the Inertial Sensors' Locations. Sensors (Basel, Switzerland), 25(2).

Nakka S, et al. (2025) A novel LC-TQ-MS/MS method for quantifying mefenamic acid-NDSRI (N-nitroso drug substance-related impurity) in mefenamic acid tablet and pediatric suspension dosage forms: a comparative study with a cost-effective white, green, and blue UPLC method. RSC advances, 15(3), 1957.

Chen D, et al. (2025) Identifying the Primary Kinetic Factors Influencing the Anterior-Posterior Center of Mass Displacement in Barbell Squats: A Factor Regression Analysis. Sensors (Basel, Switzerland), 25(2).

De Vlieger D, et al. (2025) Speed-dependent changes in the arm swing during independent walking in individuals after stroke. PloS one, 20(1), e0315332.

Manesh SB, et al. (2024) Compensatory changes after spinal cord injury in a remyelination deficient mouse model. Journal of neurochemistry.

Senden R, et al. (2024) Normative 3D gait data of healthy adults walking at three different speeds on an instrumented treadmill in virtual reality. Data in brief, 53, 110230.

Zanguie H, et al. (2024) Mechanical energy flow analysis in athletes with and without anterior

cruciate ligament reconstruction during single-leg drop landing. Scientific reports, 14(1), 1321.

Sun Y, et al. (2024) Synthesis and mutagenic risk of avanafil's potential genotoxic impurities. RSC advances, 14(30), 21432.

Rantakokko M, et al. (2024) Gait Features in Different Environments Contributing to Participation in Outdoor Activities in Old Age (GaitAge): Protocol for an Observational Cross-Sectional Study. JMIR research protocols, 13, e52898.

Liang S, et al. (2024) Age affects the dynamic interaction between kinematics and gait stability. Frontiers in bioengineering and biotechnology, 12, 1370645.

Bocheng C, et al. (2024) Effects of 16 weeks of plyometric training on knee biomechanics during the landing phase in athletes. European journal of sport science, 24(8), 1095.

Fischer BC, et al. (2024) Matrine and Oxymatrine: evaluating the gene mutation potential using in silico tools and the bacterial reverse mutation assay (Ames test). Mutagenesis, 39(1), 32.

Nasri A, et al. (2024) Lower-extremity inter-joint coordination variability in active individuals with transtibial amputation and healthy males during gait. Scientific reports, 14(1), 11668.

Mohr M, et al. (2024) An 8-week injury prevention exercise program combined with change-of-direction technique training limits movement patterns associated with anterior cruciate ligament injury risk. Scientific reports, 14(1), 3115.

Ishii Y, et al. (2024) Evaluation under loading detects medial meniscus extrusion in patients with reconstructed anterior cruciate ligament and restricted knee extension. Journal of medical ultrasonics (2001), 51(4), 655.

Ayoub E, et al. (2024) Head and pelvis are the key segments recruited by adult spinal deformity patients during daily life activities. Scientific reports, 14(1), 21716.

Torvinen P, et al. (2024) Evaluation of 3D Markerless Motion Capture System Accuracy during Skate Skiing on a Treadmill. Bioengineering (Basel, Switzerland), 11(2).

Meisburger SP, et al. (2024) Scaling and merging macromolecular diffuse scattering with mdx2. bioRxiv: the preprint server for biology.