

Resource Summary Report

Generated by [dkNET](#) on Aug 9, 2026

Tracker

RRID:SCR_027845

Type: Tool

Proper Citation

Tracker (RRID:SCR_027845)

Resource Information

URL: <https://opensourcephysics.github.io/tracker-website/>

Proper Citation: Tracker (RRID:SCR_027845)

Description: Software video analysis and modeling tool developed within the Open Source Physics (OSP) Java framework. Allows frame-by-frame tracking of anatomical landmarks and articulated structures from video recordings, enabling the extraction of time-dependent kinematic variables such as displacement, velocity, and acceleration. Tracker is well suited for biomechanical analyses of articulated systems, as it supports joint-based rotations, reference-frame definition, and the export of quantitative motion data for further post-processing.

Synonyms: Tracker Video Analysis and Modeling

Resource Type: software resource, software application

Keywords: frame-by-frame tracking, anatomical landmarks and articulated structures, video recordings, extraction of time-dependent kinematic variables,

Availability: Free, Available for download, Freely available

Resource Name: Tracker

Resource ID: SCR_027845

Record Creation Time: 20260103T054312+0000

Record Last Update: 20260808T190816+0000

Ratings and Alerts

No rating or validation information has been found for Tracker.

No alerts have been found for Tracker.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

He Q, et al. (2026) A composite lateral flow test substrate by capillary deposition of cellulose on synthetic paper. RSC advances, 16(33), 29940.

Sarkiris P, et al. (2026) Green and Flexible Superhydrophobic Surfaces for Friction and Drag Reduction Using "Pattern Elongated" Nanoimprinting. Langmuir : the ACS journal of surfaces and colloids, 42(19), 13296.

Sato E, et al. (2025) Hydrogen Gas Mitigates Acute Hypoxia-Induced Oxidative and Inflammatory Brain Injuries in Medaka (*Oryzias latipes*). Antioxidants (Basel, Switzerland), 14(9).

Li W, et al. (2025) Identification and Characterization of Troponin T Associated with Development, Metabolism and Reproduction in *Tribolium castaneum*. International journal of molecular sciences, 26(6).

Jakubas D, et al. (2025) Factors Influencing Cage Escape Behavior in a Migrating Passerine at a Stop-Over Site. Animals : an open access journal from MDPI, 15(13).

Bownik A, et al. (2024) Behavioral Responses of *Chironomus aprilius* Larvae as Proxies for Cyanobacterial Metabolite Interactions: Insights from Ternary Combinations. Environmental science & technology, 58(43), 19199.