Resource Summary Report

Generated by NIF on Apr 20, 2025

ParaView

RRID:SCR_002516 Type: Tool

Proper Citation

ParaView (RRID:SCR_002516)

Resource Information

URL: http://www.paraview.org/

Proper Citation: ParaView (RRID:SCR_002516)

Description: Open source, multi platform data analysis and visualization application. ParaView users can quickly build visualizations to analyze their data using qualitative and quantitative techniques. The data exploration can be done interactively in 3D or programmatically using ParaView's batch processing capabilities. ParaView was developed to analyze extremely large datasets using distributed memory computing resources. It can be run on supercomputers to analyze datasets of terascale as well as on laptops for smaller data.

Abbreviations: ParaView

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

Keywords: magnetic resonance

Funding:

Availability: Free, Available for download, Freely available

Resource Name: ParaView

Resource ID: SCR_002516

Alternate IDs: nlx_155917

Alternate URLs: http://www.nitrc.org/projects/paraview,

https://sources.debian.org/src/paraview/

License: BSD License

Record Creation Time: 20220129T080213+0000

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Ratings and Alerts

No rating or validation information has been found for ParaView.

No alerts have been found for ParaView.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 503 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>NIF</u>.

Elabbadi M, et al. (2025) Controllable synthesis of Pd and Pt shells on Au nanoparticles with electrodeposition. Scientific reports, 15(1), 1292.

Vaidya S, et al. (2025) Bacteria use exogenous peptidoglycan as a danger signal to trigger biofilm formation. Nature microbiology, 10(1), 144.

Armand P, et al. (2025) 3D modelling and simulation of thermal effects and dispersion of particles carrying infectious respiratory agents in a railway transport coach. Scientific reports, 15(1), 2202.

Mathavan N, et al. (2025) Spatial transcriptomics in bone mechanomics: Exploring the mechanoregulation of fracture healing in the era of spatial omics. Science advances, 11(1), eadp8496.

Renzi F, et al. (2025) Accurate Reconstruction of Right Heart Shape and Motion From Cine-MRI for Image-Driven Computational Hemodynamics. International journal for numerical methods in biomedical engineering, 41(1), e3891.

Poloni S, et al. (2025) The Potential of Sound Analysis to Reveal Hemodynamic Conditions of Arteriovenous Fistulae for Hemodialysis. Annals of biomedical engineering, 53(1), 230.

lorio A, et al. (2025) Fluid flow and amyloid transport and aggregation in the brain interstitial space. PNAS nexus, 4(1), pgae548.

Nagy J, et al. (2025) Fluid structure Interaction analysis for rupture risk assessment in patients with middle cerebral artery aneurysms. Scientific reports, 15(1), 1965.

Tjahjadi NS, et al. (2025) Three-dimensional assessment of ascending aortic stiffness, motion, and growth in ascending thoracic aortic aneurysm. European heart journal. Imaging methods and practice, 3(1), qyae133.

Heiland R, et al. (2024) PhysiCell Studio: a graphical tool to make agent-based modeling more accessible. GigaByte (Hong Kong, China), 2024, gigabyte128.

Baumann V, et al. (2024) Faa1 membrane binding drives positive feedback in autophagosome biogenesis via fatty acid activation. The Journal of cell biology, 223(7).

Moos F, et al. (2024) Open-top multisample dual-view light-sheet microscope for live imaging of large multicellular systems. Nature methods, 21(5), 798.

Wei Y, et al. (2024) The Association Between the Hemodynamics in Anomalous Origins of Coronary Arteries and Atherosclerosis: A Preliminary Case Study Based on Computational Fluid Dynamics. Bioengineering (Basel, Switzerland), 11(12).

Seeler D, et al. (2024) Novel mathematical approach to accurately quantify 3D endothelial cell morphology and vessel geometry based on fluorescently marked endothelial cell contours: Application to the dorsal aorta of wild-type and Endoglin-deficient zebrafish embryos. PLoS computational biology, 20(8), e1011924.

Rezaeitaleshmahalleh M, et al. (2024) Developing a nearly automated open-source pipeline for conducting computational fluid dynamics simulations in anterior brain vasculature: a feasibility study. Scientific reports, 14(1), 30181.

El Hajj S, et al. (2024) Bone Spheroid Development Under Flow Conditions with Mesenchymal Stem Cells and Human Umbilical Vein Endothelial Cells in a 3D Porous Hydrogel Supplemented with Hydroxyapatite. Gels (Basel, Switzerland), 10(10).

Salles T, et al. (2024) Physiography, foraging mobility, and the first peopling of Sahul. Nature communications, 15(1), 3430.

Sensini A, et al. (2024) Full-field strain distribution in hierarchical electrospun nanofibrous poly-L(lactic) acid/collagen scaffolds for tendon and ligament regeneration: A multiscale study. Heliyon, 10(5), e26796.

Paliwal N, et al. (2024) Slow blood-flow in the left atrial appendage is associated with stroke in atrial fibrillation patients. Heliyon, 10(5), e26858.

Fuhrmann JF, et al. (2024) Active shape programming drives Drosophila wing disc eversion. Science advances, 10(32), eadp0860.