

Resource Summary Report

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VolView

RRID:SCR_014569

Type: Tool

Proper Citation

VolView (RRID:SCR_014569)

Resource Information

URL: <http://www.kitware.com/opensource/volview.html>

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Description: A software for volume visualization that can be used by researchers to explore and analyze medical and scientific data. This software uses a variety of tools to load and visualize the data on either a 2D or 3D display. These tools include volume rendering, maximum intensity projections and oblique reformatting. Visualizations can be saved mid-session and be reopened at a later time.

Resource Type: data or information resource, data processing software, 3d spatial image, software application, image analysis software, software resource, image, image processing software

Keywords: volume visualization, volume, analysis, 2d, 3d, volume, rendering, intensity, oblique reformatting, visualization, volume rendering, rendering software

Availability: Open Source

Resource Name: VolView

Resource ID: SCR_014569

Record Creation Time: 20220129T080321+0000

Record Last Update: 20260806T054609+0000

Ratings and Alerts

No rating or validation information has been found for VolView.

No alerts have been found for VolView.

Data and Source Information

Usage and Citation Metrics

We found 61 mentions in open access literature.

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

AboArab MA, et al. (2025) DECODE-3DViz: Efficient WebGL-Based High-Fidelity Visualization of Large-Scale Images using Level of Detail and Data Chunk Streaming. Journal of imaging informatics in medicine, 38(6), 4148.

Pavlovi? D, et al. (2024) Complex interplay between the microfluidic and optical properties of Hoplia sp. beetles. Frontiers in zoology, 21(1), 28.

Cao G, et al. (2024) Clinical feasibility of MRI-based synthetic CT imaging in the diagnosis of lumbar disc herniation: a comparative study. Acta radiologica (Stockholm, Sweden : 1987), 65(1), 41.

Zheng S, et al. (2023) X-Ray Activatable Au/Ag Nanorods for Tumor Radioimmunotherapy Sensitization and Monitoring of the Therapeutic Response Using NIR-II Photoacoustic Imaging. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 10(11), e2206979.

Buch S, et al. (2022) Vascular mapping of the human hippocampus using Ferumoxytol-enhanced MRI. NeuroImage, 250, 118957.

Fuentes-Fayos AC, et al. (2022) SF3B1 inhibition disrupts malignancy and prolongs survival in glioblastoma patients through BCL2L1 splicing and mTOR/ β -catenin pathways imbalances. Journal of experimental & clinical cancer research : CR, 41(1), 39.

Paji? T, et al. (2022) Label-free third harmonic generation imaging and quantification of lipid droplets in live filamentous fungi. Scientific reports, 12(1), 18760.

Kutsenko Y, et al. (2021) Sex-dependent effects of forced exercise in the body composition of adolescent rats. Scientific reports, 11(1), 10154.

Krajcovicova S, et al. (2021) [68Ga]Ga-DFO-c(RGDyK): Synthesis and Evaluation of Its Potential for Tumor Imaging in Mice. International journal of molecular sciences, 22(14).

Magat J, et al. (2021) 3D MRI of explanted sheep hearts with submillimeter isotropic spatial resolution: comparison between diffusion tensor and structure tensor imaging. Magma (New York, N.Y.), 34(5), 741.

Magat J, et al. (2021) 3D magnetization transfer (MT) for the visualization of cardiac free-running Purkinje fibers: an ex vivo proof of concept. Magma (New York, N.Y.), 34(4), 605.

Haliot K, et al. (2021) A 3D high resolution MRI method for the visualization of cardiac fibro-fatty infiltrations. Scientific reports, 11(1), 9266.

Misslinger M, et al. (2021) Desferrioxamine B-Mediated Pre-Clinical In Vivo Imaging of Infection by the Mold Fungus *Aspergillus fumigatus*. *Journal of fungi* (Basel, Switzerland), 7(9).

Petrik M, et al. (2021) ⁶⁸Ga-labelled desferrioxamine-B for bacterial infection imaging. *European journal of nuclear medicine and molecular imaging*, 48(2), 372.

Lin L, et al. (2021) High-speed three-dimensional photoacoustic computed tomography for preclinical research and clinical translation. *Nature communications*, 12(1), 882.

Longo E, et al. (2021) 3D Spatial Distribution of Nanoparticles in Mice Brain Metastases by X-ray Phase-Contrast Tomography. *Frontiers in oncology*, 11, 554668.

Mei Z, et al. (2020) Activatable NIR-II photoacoustic imaging and photochemical synergistic therapy of MRSA infections using miniature Au/Ag nanorods. *Biomaterials*, 251, 120092.

Pfister J, et al. (2020) Hybrid Imaging of *Aspergillus fumigatus* Pulmonary Infection with Fluorescent, ⁶⁸Ga-Labelled Siderophores. *Biomolecules*, 10(2).

Bonnevialle N, et al. (2020) Effect of RSA glenoid baseplate central fixation on micromotion and bone stress. *JSES international*, 4(4), 979.

Jakubowska MA, et al. (2020) Electron paramagnetic resonance spectroscopy reveals alterations in the redox state of endogenous copper and iron complexes in photodynamic stress-induced ischemic mouse liver. *Redox biology*, 34, 101566.