GIMIAS

RRID:SCR_009545
Type: Tool

Proper Citation

GIMIAS (RRID:SCR_009545)

Resource Information

URL: http://www.gimias.org

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Description: A workflow-oriented environment focused on biomedical image computing and simulation. The open source framework is extensible through plug-ins and is focused on building research and clinical software prototypes. Gimias has been used to develop clinical prototypes in the fields of cardiac imaging and simulation, angiography imaging and simulation, and neurology.

Abbreviations: GIMIAS

Synonyms: Graphical Interface for Medical Image Analysis and Simulation

Resource Type: software resource, software application

Keywords: analyze, c++, clinical neuroinformatics, dicom, microsoft, magnetic resonance, nifti, platform, posix/unix-like, software, win32 (ms windows), windows, computing, simulation, visualization, processing, clinical

Funding:

Availability: BSD License

Resource Name: GIMIAS

Resource ID: SCR_009545

Alternate IDs: nlx_155762

Alternate URLs: http://www.nitrc.org/projects/gimias_fw

Old URLs: http://www.gimias.net/

Record Creation Time: 20220129T080253+0000

Record Last Update: 20250404T060820+0000

Ratings and Alerts

No rating or validation information has been found for GIMIAS.

No alerts have been found for GIMIAS.

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 RRID.

Santos JBF, et al. (2022) Analysis of Three-Dimensional Scar Architecture and Conducting Channels by High-Resolution Contrast-Enhanced Cardiac Magnetic Resonance Imaging in Chagas Heart Disease. Revista da Sociedade Brasileira de Medicina Tropical, 55, e06882021.

Zhou Z, et al. (2018) Digital diagnosis and treatment of mandibular condylar fractures based on Extensible Neuro imaging Archive Toolkit (XNAT). PloS one, 13(2), e0192831.

Cenek M, et al. (2018) Survey of Image Processing Techniques for Brain Pathology Diagnosis: Challenges and Opportunities. Frontiers in robotics and AI, 5, 120.

Peng P, et al. (2016) A review of heart chamber segmentation for structural and functional analysis using cardiac magnetic resonance imaging. Magma (New York, N.Y.), 29(2), 155.

Lange M, et al. (2016) Protective Role of False Tendon in Subjects with Left Bundle Branch Block: A Virtual Population Study. PloS one, 11(1), e0146477.

Porras AR, et al. (2014) Pre to Intraoperative Data Fusion Framework for Multimodal Characterization of Myocardial Scar Tissue. IEEE journal of translational engineering in health and medicine, 2, 1900211.