Resource Summary Report

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Object-Oriented Development Interface for NMR

RRID:SCR_005974
Type: Tool

Proper Citation

Object-Oriented Development Interface for NMR (RRID:SCR_005974)

Resource Information

URL: http://od1n.sourceforge.net

Proper Citation: Object-Oriented Development Interface for NMR (RRID:SCR_005974)

Description: A C++ software framework to develop, simulate and run magnetic resonance sequences on different platforms.

Abbreviations: ODIN

Synonyms: Object Oriented Development Interface for NMR, ODIN - Object-Oriented Development Interface for NMR

Resource Type: software application, software resource

Keywords: analyze, c++, console (text based), dicom, image display, image reconstruction, modeling, magnetic resonance, nifti, os independent, simulation, visualization

Funding:

Availability: GNU General Public License

Resource Name: Object-Oriented Development Interface for NMR

Resource ID: SCR_005974

Alternate IDs: nlx_155909

Alternate URLs: https://sources.debian.org/src/odin/

Record Creation Time: 20220129T080233+0000

Record Last Update: 20250522T060259+0000

Ratings and Alerts

No rating or validation information has been found for Object-Oriented Development Interface for NMR.

No alerts have been found for Object-Oriented Development Interface for NMR.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Manini C, et al. (2024) A simulation-based phantom model for generating synthetic mitral valve image data-application to MRI acquisition planning. International journal of computer assisted radiology and surgery, 19(3), 553.

Einspänner E, et al. (2022) Evaluating different methods of MR-based motion correction in simultaneous PET/MR using a head phantom moved by a robotic system. EJNMMI physics, 9(1), 15.

Galos P, et al. (2022) Capturing of intracranial pressure treatment during neurointensive care in patients with acute brain injury using a novel tablet-based method. Journal of clinical monitoring and computing, 36(6), 1731.

Wade L, et al. (2022) Walking with increasing acceleration is achieved by tuning ankle torque onset timing and rate of torque development. Journal of the Royal Society, Interface, 19(191), 20220035.

Harries J, et al. (2020) A realistic phantom of the human head for PET-MRI. EJNMMI physics, 7(1), 52.

Roady R, et al. (2020) Are open set classification methods effective on large-scale datasets? PloS one, 15(9), e0238302.

Niewiadomski C, et al. (2019) Experimental assessment of cervical ranges of motion and compensatory strategies. Chiropractic & manual therapies, 27, 9.

Glatard T, et al. (2018) Boutiques: a flexible framework to integrate command-line applications in computing platforms. GigaScience, 7(5).

Metere R, et al. (2017) Simultaneous Quantitative MRI Mapping of T1, T2* and Magnetic Susceptibility with Multi-Echo MP2RAGE. PloS one, 12(1), e0169265.

Haast RA, et al. (2016) Reproducibility and Reliability of Quantitative and Weighted T1 and T2? Mapping for Myelin-Based Cortical Parcellation at 7 Tesla. Frontiers in neuroanatomy, 10, 112.

Jochimsen TH, et al. (2016) Fully automated calculation of image-derived input function in simultaneous PET/MRI in a sheep model. EJNMMI physics, 3(1), 2.

Gama-Castro S, et al. (2014) Assisted curation of regulatory interactions and growth conditions of OxyR in E. coli K-12. Database : the journal of biological databases and curation, 2014.

Rinaldi F, et al. (2012) Using ODIN for a PharmGKB revalidation experiment. Database : the journal of biological databases and curation, 2012, bas021.

Arighi CN, et al. (2011) BioCreative III interactive task: an overview. BMC bioinformatics, 12 Suppl 8(Suppl 8), S4.

Clarke G, et al. (2005) Overcoming Depression on the Internet (ODIN) (2): a randomized trial of a self-help depression skills program with reminders. Journal of medical Internet research, 7(2), e16.