

Resource Summary Report

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Extensible MATLAB Medical image Analysis

RRID:SCR_013499

Type: Tool

Proper Citation

Extensible MATLAB Medical image Analysis (RRID:SCR_013499)

Resource Information

URL: <http://www.cma.mgh.harvard.edu/iatr/display.php?spec=id&ids=107>

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Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on June 6, 2023. EMMA (Extensible MATLAB Medical image Analysis) is a toolkit designed to ease the use of MATLAB in the analysis of medical imaging data. It provides functions for reading and writing MINC files, viewing images, performing ROI operations, and performing several popular analyses. Also, there are toolkits for performing kinetic analysis of dynamic PET rCBF (regional cerebral blood flow) and FDG data. The goal for this site is to provide a centrally available listing of all image analysis tools that are available to the neuroscience community in order to facilitate the development, identification, and sharing of tools that are of use to the general community.

Synonyms: MINC-EMMA, EMMA

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

Keywords: analysis, matlab, medical, neurological, tool, image, toolkit

Funding: Human Brain Project

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Extensible MATLAB Medical image Analysis

Resource ID: SCR_013499

Alternate IDs: nif-0000-33081

Record Creation Time: 20220129T080316+0000

Record Last Update: 20260801T042719+0000

Ratings and Alerts

No rating or validation information has been found for Extensible MATLAB Medical image Analysis.

No alerts have been found for Extensible MATLAB Medical image Analysis.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Amirmahani F, et al. (2023) The LncRNA MIAT is identified as a regulator of stemness-associated transcript in glioma. *Molecular biology reports*, 50(1), 517.

Ambrosi G, et al. (2022) Allele-specific endogenous tagging and quantitative analysis of β -catenin in colorectal cancer cells. *eLife*, 11.

Li J, et al. (2022) Limb development genes underlie variation in human fingerprint patterns. *Cell*, 185(1), 95.

Tuttle T, et al. (2022) Aortic stiffness is lower when PVAT is included: a novel ex vivo mechanics study. *American journal of physiology. Heart and circulatory physiology*, 322(6), H1003.

Daneva Z, et al. (2021) Endothelial pannexin 1-TRPV4 channel signaling lowers pulmonary arterial pressure in mice. *eLife*, 10.

Gao X, et al. (2021) Altered glucose metabolism of the olfactory-related cortices in anosmia patients with traumatic brain injury. *European archives of oto-rhino-laryngology : official journal of the European Federation of Oto-Rhino-Laryngological Societies (EUFOS) : affiliated with the German Society for Oto-Rhino-Laryngology - Head and Neck Surgery*, 278(12), 4813.

Wu Y, et al. (2020) Magnesium efflux from *Drosophila* Kenyon cells is critical for normal and diet-enhanced long-term memory. *eLife*, 9.