Resource Summary Report

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GAMMA

RRID:SCR_009484
Type: Tool

Proper Citation

GAMMA (RRID:SCR_009484)

Resource Information

URL: http://www.nitrc.org/projects/gamma_suite/

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Description: GAMMA suite is an open-source cross-platform data mining software package designed to analyze neuroimaging data. A neuroimaging study often focuses on biomarker detection and classification. We designed and implemented a Bayesian, multivariate, nonparametric suite of algorithms for analyzing neuroimaging data. The GAMMA suite can be used for brain morphometric analysis, lesion-deficit analysis, and functional MR data analysis.

Abbreviations: GAMMA

Synonyms: GAMMA Suite

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

Keywords: reusable library, analyze, c, c++, console (text based), computed tomography, cygwin, hp-ux, linux, macos, microsoft, modeling, magnetic resonance, nifti, pet, spect, posix/unix-like, quantification, statistical operation, volumetric analysis, win32 (ms windows), windows, neuroimaging

Funding:

Availability: GNU General Public License

Resource Name: GAMMA

Resource ID: SCR_009484

Alternate IDs: nlx_155632

Record Creation Time: 20220129T080253+0000

Record Last Update: 20250412T055424+0000

Ratings and Alerts

No rating or validation information has been found for GAMMA.

No alerts have been found for GAMMA.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 559 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

D'aes J, et al. (2025) Metagenomics-based tracing of genetically modified microorganism contaminations in commercial fermentation products. Food chemistry. Molecular sciences, 10, 100236.

Xie YJ, et al. (2025) Phylotranscriptomics resolved phylogenetic relationships and divergence time between 20 golden camellia species. Scientific reports, 15(1), 699.

Siikanen J, et al. (2025) Rapid fabrication and dissolution of pressed 58Ni/Mg matrix targets for 55Co production. EJNMMI radiopharmacy and chemistry, 10(1), 4.

Lee J, et al. (2025) The association between health literacy, private health insurance, and medical expenditure in South Korea. BMC health services research, 25(1), 106.

Zhou Z, et al. (2025) Identifying spatiotemporal pattern and trend prediction of land subsidence in Zhengzhou combining MT-InSAR, XGBoost and hydrogeological analysis. Scientific reports, 15(1), 3848.

Houten R, et al. (2025) Digital Versus Paper-Based Consent from the UK NHS Perspective: A Micro-costing Analysis. PharmacoEconomics - open, 9(1), 27.

Ramanauskas K, et al. (2025) Rapid detection of RNase-based self-incompatibility in Lysimachia monelli (Primulaceae). American journal of botany, 112(1), e16449.

Harr TJ, et al. (2025) The fibronectin-targeting PEG-FUD imaging probe shows enhanced uptake during fibrogenesis in experimental lung fibrosis. Respiratory research, 26(1), 34.

Moon CH, et al. (2025) Fast Hadamard-Encoded 7T Spectroscopic Imaging of Human Brain. Tomography (Ann Arbor, Mich.), 11(1).

Voruz P, et al. (2025) Cognitive Health After Cerebellar Stroke: Potential Link Between Socio-Educational Status and Memory Outcome. Cerebellum (London, England), 24(1), 27.

Asadollahzadeh M, et al. (2025) Interpret probability density functions and maximum entropy model for zinc removal in PRDC column by analyzing droplet size distribution. Scientific reports, 15(1), 22.

Yacoub E, et al. (2025) A sweeping view of avian mycoplasmas biology drawn from comparative genomic analyses. BMC genomics, 26(1), 24.

Bruce RA, et al. (2025) Complementary cognitive roles for D2-MSNs and D1-MSNs during interval timing. eLife, 13.

Przybulinski BB, et al. (2025) Nanotechnological Plastic Flooring: Implications for Broiler Chicken Performance, Health, and Carcass Quality. Veterinary sciences, 12(1).

Ene CI, et al. (2024) Response of treatment-naive brain metastases to stereotactic radiosurgery. Nature communications, 15(1), 3728.

Leopold DR, et al. (2024) Stimulus shapes strategy: Effects of stimulus characteristics and individual differences in academic achievement on the neural mechanisms engaged during the N-back task. Developmental cognitive neuroscience, 66, 101372.

Sun L, et al. (2024) High-performance prediction of epilepsy surgical outcomes based on the genetic neural networks and hybrid iEEG marker. Scientific reports, 14(1), 6198.

Tengölics R, et al. (2024) The metabolic domestication syndrome of budding yeast. Proceedings of the National Academy of Sciences of the United States of America, 121(11), e2313354121.

Podar NA, et al. (2024) From wolves to humans: oral microbiome resistance to transfer across mammalian hosts. mBio, 15(3), e0334223.

Shu YX, et al. (2024) Three Novel Cheiroid Hyphomycetes in Dictyocheirospora and Dictyosporium (Dictyosporiaceae) from Freshwater Habitats in Guangdong and Guizhou Provinces, China. Journal of fungi (Basel, Switzerland), 10(4).