Resource Summary Report

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AMAT

RRID:SCR_005836
Type: Tool

Proper Citation

AMAT (RRID:SCR_005836)

Resource Information

URL: http://www.antoniahamilton.com/amat.html

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Description: AMAT is a Matlab-based, open source interface for searching fMRI coordinates together with a simple database of coordinates. The AMAT database is deliberately designed to be minimal. Effectively, the database reproduces the tables of XYZ coordinates which are common in fMRI papers. Each coordinate is associated with the anatomical label given by the authors of the original paper, a ag for Talaraich or MNI coordinates, a very brief description of the description of the functional task or contrast which activated this coordinate, and the PubMed ID of the published paper. The latter links directly to the abstract in PubMed and allows the user to retrieve the original publication. Anatomical information labeling a coordinate as a particular Brodmann area or functional region is optional, and is normally only included if the authors of the original paper included these labels. No other information is stored.

Abbreviations: AMAT

Synonyms: AMAT: A meta-analysis toolbox

Resource Type: data or information resource, database, software resource

Defining Citation: PMID:19442743

Keywords: neuroimaging, fmri

Funding: Autism Speaks ;
ESRC RES-061-25-0138

Resource Name: AMAT

Resource ID: SCR_005836

Alternate IDs: nlx_149358

Record Creation Time: 20220129T080232+0000

Record Last Update: 20260912T195632+0000

Ratings and Alerts

No rating or validation information has been found for AMAT.

No alerts have been found for AMAT.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 26 mentions in open access literature.

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

Li X, et al. (2025) Acute dentate nucleus deep brain stimulation modulates corticomotor excitability in chronic stroke survivors. Brain stimulation, 18(3), 640.

Xia K, et al. (2025) Exploratory development of human-machine interaction strategies for post-stroke upper-limb rehabilitation. Journal of neuroengineering and rehabilitation, 22(1), 144.

Macchiavello D, et al. (2025) Using a collaborative approach to reduce falls in older people's adult mental health wards in a local health board in Wales. BMJ open quality, 14(2).

Halawani A, et al. (2024) The efficacy of contralaterally controlled functional electrical stimulation compared to conventional neuromuscular electrical stimulation for recovery of limb function following a stroke: a systematic review and meta-analysis. Frontiers in neurology, 15, 1340248.

de Felipe M, et al. (2024) Habitat Changes at the Local Scale Have Major Impacts on Waterfowl Populations Across a Migratory Flyway. Global change biology, 30(12), e17600.

Lang M, et al. (2024) Impact of water exhaled out by visitors in show caves: a case study from the Moravian Karst (Czech Republic). Environmental science and pollution research international, 31(18), 27117.

Gobbi A, et al. (2023) Autologous microfragmented adipose tissue and leukocyte-poor platelet-rich plasma combined with hyaluronic acid show comparable clinical outcomes for symptomatic early knee osteoarthritis over a two-year follow-up period: a prospective randomized clinical trial. European journal of orthopaedic surgery & traumatology : orthopedie traumatologie, 33(5), 1895.

Baker KB, et al. (2023) Cerebellar deep brain stimulation for chronic post-stroke motor rehabilitation: a phase I trial. Nature medicine, 29(9), 2366.

Mota DMS, et al. (2023) Bilateral Transfer of Performance between Real and Non-Immersive Virtual Environments in Post-Stroke Individuals: A Cross-Sectional Study. International journal of environmental research and public health, 20(4).

Wang Y, et al. (2022) Use of CRISPR-Cas tools to engineer Trichoderma species. Microbial biotechnology, 15(10), 2521.

Gong X, et al. (2022) Gut microbiome reflect adaptation of earthworms to cave and surface environments. Animal microbiome, 4(1), 47.

Matarasso AK, et al. (2021) Combined real-time fMRI and real time fNIRS brain computer interface (BCI): Training of volitional wrist extension after stroke, a case series pilot study. PloS one, 16(5), e0250431.

Yang Q, et al. (2021) Environmental and genetic regulation of plant height in soybean. BMC plant biology, 21(1), 63.

Papawassiliou W, et al. (2020) Resolving Dirac electrons with broadband high-resolution NMR. Nature communications, 11(1), 1285.

Collyer R, et al. (2020) Crohn's strictures open with anti-mycobacterial antibiotic therapy: A retrospective review. World journal of gastrointestinal endoscopy, 12(12), 542.

Agrawal G, et al. (2020) Anti-Mycobacterial Antibiotic Therapy Induces Remission in Active Paediatric Crohn's Disease. Microorganisms, 8(8).

Agrawal G, et al. (2020) Targeted Combination Antibiotic Therapy Induces Remission in Treatment-Na??ve Crohn's Disease: A Case Series. Microorganisms, 8(3).

Daly JJ, et al. (2019) Long-Dose Intensive Therapy Is Necessary for Strong, Clinically Significant, Upper Limb Functional Gains and Retained Gains in Severe/Moderate Chronic Stroke. Neurorehabilitation and neural repair, 33(7), 523.

Hoefnagel KN, et al. (2018) The temperature-size rule in Daphnia magna across different genetic lines and ontogenetic stages: Multiple patterns and mechanisms. Ecology and evolution, 8(8), 3828.

Tsabar M, et al. (2015) Caffeine inhibits gene conversion by displacing Rad51 from ssDNA. Nucleic acids research, 43(14), 6902.