CONN
RRID:SCR_009550
Type: Tool

Proper Citation

CONN (RRID:SCR_009550)

Resource Information

URL: https://www.conn-toolbox.org

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Description: Matlab based cross platform software package for computation, display, and analysis of functional connectivity in fMRI (fcMRI). Used for resting state data (rsfMRI) as well as task related designs. Covers pipeline from raw fMRI data to hypothesis testing.

Abbreviations: CONN

Synonyms: CONN toolbox, CONN - functional connectivity toolbox, Connectivity Toolbox (CONN)

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

Defining Citation: PMID:22642651, PMID:21889994

Keywords: fmri functional connectivity, resting state data, seed-based correlations, ROI-to-ROI graph analyses, group ICA, masked ICA, generalized PPI, ALFF, ICC, GCOR, LCOR, Availability: Free, Available for download, Freely available

Resource Name: CONN

Resource ID: SCR_009550

Alternate IDs: nlx_155730

Alternate URLs: www.nitrc.org/projects/conn
Ratings and Alerts

No rating or validation information has been found for CONN.

No alerts have been found for CONN.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 773 mentions in open access literature.

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


Araújo A, et al. (2024) Neural inhibition as implemented by an actor-critic model involves the human dorsal striatum and ventral tegmental area. Scientific reports, 14(1), 6363.

Hamamoto Y, et al. (2024) Reduced body-image disturbance by body-image interventions is associated with neural-response changes in visual and social processing regions: a preliminary study. Frontiers in psychiatry, 15, 1337776.


Hildebrand L, et al. (2024) Transcranial Magnetic Stimulation of the Default Mode Network to Improve Sleep in Individuals With Insomnia Symptoms: Protocol for a Double-Blind Randomized Controlled Trial. JMIR research protocols, 13, e51212.

Agren T, et al. (2024) Extensive functional connectivity between brain areas implicated in mental imagery production and phobic fear during both emotional and neutral mental imagery. Behavioural brain research, 462, 114893.

