

Resource Summary Report

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Group ICA Of EEG Toolbox

RRID:SCR_002478

Type: Tool

Proper Citation

Group ICA Of EEG Toolbox (RRID:SCR_002478)

Resource Information

URL: <http://mialab.mrn.org/software/eegift/index.html>

Proper Citation: Group ICA Of EEG Toolbox (RRID:SCR_002478)

Description: Implements multiple algorithms for independent component analysis and blind source separation of group (and single subject) EEG data. This MATLAB toolbox is compatible with MATLAB 6.5 and higher.

Abbreviations: EEGIFT

Synonyms: Group ICA Of EEG Toolbox (EEGIFT)

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

Defining Citation: [PMID:21747835](#)

Keywords: matlab, eeg, independent component analysis, magnetic resonance, algorithm

Funding: NIH ;
NIBIB 1R01EB000840

Availability: Available for download

Resource Name: Group ICA Of EEG Toolbox

Resource ID: SCR_002478

Alternate IDs: nlx_155861

Alternate URLs: <http://www.nitrc.org/projects/gift>

License: GNU General Public License

Record Creation Time: 20220129T080213+0000

Record Last Update: 20260801T042524+0000

Ratings and Alerts

No rating or validation information has been found for Group ICA Of EEG Toolbox.

No alerts have been found for Group ICA Of EEG Toolbox.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Kyathanahally SP, et al. (2017) Investigation of True High Frequency Electrical Substrates of fMRI-Based Resting State Networks Using Parallel Independent Component Analysis of Simultaneous EEG/fMRI Data. *Frontiers in neuroinformatics*, 11, 74.

Huster RJ, et al. (2014) Functional and effective connectivity of stopping. *NeuroImage*, 94, 120.

Narayanan B, et al. (2014) Resting state electroencephalogram oscillatory abnormalities in schizophrenia and psychotic bipolar patients and their relatives from the bipolar and schizophrenia network on intermediate phenotypes study. *Biological psychiatry*, 76(6), 456.

Bridwell DA, et al. (2013) The spatospectral characterization of brain networks: fusing concurrent EEG spectra and fMRI maps. *NeuroImage*, 69, 101.

Wu L, et al. (2010) Reactivity of hemodynamic responses and functional connectivity to different states of alpha synchrony: a concurrent EEG-fMRI study. *NeuroImage*, 52(4), 1252.