

Resource Summary Report

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Brainstorm

RRID:SCR_001761

Type: Tool

Proper Citation

Brainstorm (RRID:SCR_001761)

Resource Information

URL: <http://neuroimage.usc.edu/brainstorm/>

Proper Citation: Brainstorm (RRID:SCR_001761)

Description: Software as collaborative, open source application dedicated to analysis of brain recordings: MEG, EEG, fNIRS, ECoG, depth electrodes and animal invasive neurophysiology. User-Friendly Application for MEG/EEG Analysis.

Abbreviations: Brainstorm

Synonyms: brainstorm3

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

Defining Citation: [PMID:21584256](#)

Keywords: MEG, EEG, data, magnetoencephalography, electroencephalography, visualization, processing, analysis, brain, recording, fNIRS, ECoG, electrophysiology

Funding: CNRS ;
McGill University ;
NIBIB R01 EB000473;
NIBIB R01 EB002010;
NIBIB R01 EB009048;
NIBIB R01 EB026299

Availability: Free, Available for download, Freely available

Resource Name: Brainstorm

Resource ID: SCR_001761

Alternate IDs: nif-0000-10267

Alternate URLs: <http://www.nitrc.org/projects/bst>, <https://github.com/brainstorm-tools/brainstorm3>

License: GNU General Public License

Record Creation Time: 20220129T080209+0000

Record Last Update: 20260821T193629+0000

Ratings and Alerts

No rating or validation information has been found for Brainstorm.

No alerts have been found for Brainstorm.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 622 mentions in open access literature.

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

Panchavati S, et al. (2026) Distinct Spectral and Directional Thalamocortical Network Dynamics Define Focal Seizure Evolution. medRxiv : the preprint server for health sciences.

Sahu T, et al. (2026) Electrophysiological and Psychological Correlates of Cognition in Adult Homozygous Sickle Cell Disease Patients. Annals of neurosciences, 09727531251403321.

Lapatrie M, et al. (2026) Unsupervised Representation Learning Generates Differentiable Neurophysiological Profiles. bioRxiv : the preprint server for biology.

Brilliant , et al. (2026) Alpha oscillatory activity reveals focused-attentional disparity between cochlear implant users and normal hearing listeners. Scientific reports, 16(1).

Khazali MF, et al. (2026) Sleep enhances gamma oscillations in the seizure onset zone and broadband activity in the irritative zone of focal cortical dysplasia. Epilepsia open, 11(2), 435.

Huang Q, et al. (2026) Differential GABA dynamics across brain functional networks in autism. Communications biology, 9(1), 283.

Hu L, et al. (2026) Harmonic patterns embedded in ictal EEG signals in focal epilepsy: new insight into the epileptogenic zone. BMC medicine, 24(1).

- D'Angelo M, et al. (2026) Parietal alpha frequency shapes own-body perception by modulating the temporal integration of bodily signals. *Nature communications*, 17(1), 53.
- Kawasoe R, et al. (2026) Wakeful targeted memory reactivation during short rest periods modulates early motor learning. *NPJ science of learning*, 11(1).
- Heers M, et al. (2026) Sleep magnetoencephalography enhances detection and source imaging of seizures and fast oscillations in focal cortical dysplasia. *Epilepsia*, 67(6), 2992.
- Green HL, et al. (2026) Resting-state periodic and aperiodic brain oscillations from birth to preschool years: Aperiodic maturity predicts developmental course. *Developmental cognitive neuroscience*, 79, 101709.
- Wang W, et al. (2026) Environment-Driven Synthetic Baseline Analysis and Optimization in Joint Measurement OPM-MEG Arrays. *Bioengineering (Basel, Switzerland)*, 13(6).
- Lin Y, et al. (2026) Gamma-band cortical functional network abnormalities in late-life depression with suicidal ideation: insights from EEG graph theory and machine learning. *Journal of psychiatry & neuroscience : JPN*, 51, 1.
- Xiong H, et al. (2026) Recruitment patterns of hothubs and dark functional networks correlating activity and connectivity with magnetoencephalography. *Scientific reports*, 16(1), 4665.
- Koenig S, et al. (2026) Effects of perinatal asphyxia on cortical activity in two-year-old children. *NeuroImage. Clinical*, 49, 103933.
- Koepp MJ, et al. (2026) Intranasal Selegiline in a Patient with Reading Epilepsy: First-in-Human Use to Prevent Reflex Seizures. *Annals of neurology*, 99(2), 535.
- Magosso E, et al. (2026) Cortical alpha changes during visuospatial attention: a deep learning-enriched EEG analysis. *Cerebral cortex (New York, N.Y. : 1991)*, 36(3).
- Shaverdi Y, et al. (2026) Role of neuronal oscillations in memory driven visual processing. *BMC biology*, 24(1).
- Becker KM, et al. (2026) Short-term hearing aid use reduces auditory cortical responses to speech-in-noise listening among older adults with age-related hearing loss. *Frontiers in aging neuroscience*, 18, 1690956.
- Baradarantohidi E, et al. (2026) Abnormal hippocampo-cortical theta-gamma phase-amplitude coupling in Alzheimer's disease. *medRxiv : the preprint server for health sciences*.