

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 [dkNET](#).

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

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

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

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

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).
- Xiong H, et al. (2026) Recruitment patterns of hothubs and dark functional networks correlating activity and connectivity with magnetoencephalography. *Scientific reports*, 16(1), 4665.
- 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.
- Koepp MJ, et al. (2026) Intranasal Selet racetam in a Patient with Reading Epilepsy: First-in-Human Use to Prevent Reflex Seizures. *Annals of neurology*, 99(2), 535.
- König S, et al. (2026) Effects of perinatal asphyxia on cortical activity in two-year-old children. *NeuroImage. Clinical*, 49, 103933.
- Baradarantohidi E, et al. (2026) Abnormal hippocampo-cortical theta-gamma phase-amplitude coupling in Alzheimer's disease. *medRxiv : the preprint server for health sciences*.
- 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).
- Kölbl N, et al. (2026) Prediction, syntax and semantic grounding in the brain and large language models. *Scientific reports*, 16(1).
- Shaverdi Y, et al. (2026) Role of neuronal oscillations in memory driven visual processing. *BMC biology*, 24(1).