Homer2
RRID:SCR_009586
Type: Tool

Proper Citation

Homer2 (RRID:SCR_009586)

Resource Information

URL: http://www.nmr.mgh.harvard.edu/DOT/resources/homer2/home.htm

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Description: Software matlab scripts used for analyzing fNIRS data to obtain estimates and maps of brain activation. Graphical user interface (GUI) for visualization and analysis of functional near-infrared spectroscopy (fNIRS) data.

Synonyms: HOMER1, Photon Migration Imaging toolbox

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

Keywords: Analysis, optical, imaging, fnirs, map, brain, activation, BRAIN Initiative

Funding Agency: NIBIB, NIBIB, NCRR

Availability: Free, Available for download, Freely available

Resource Name: Homer2

Resource ID: SCR_009586

Alternate IDs: nlx_155773


Ratings and Alerts

- 4 / 5 (3 votes) Rated at NITRC http://www.nitrc.org/projects/homer2
No alerts have been found for Homer2.

Data and Source Information

**Source:** SciCrunch Registry

Usage and Citation Metrics

We found 141 mentions in open access literature.

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


Lai B, et al. (2024) Atypical brain lateralization for speech processing at the sublexical level in autistic children revealed by fNIRS. Scientific reports, 14(1), 2776.


Davidson C, et al. (2023) The first year in formal schooling improves working memory and academic abilities. Developmental cognitive neuroscience, 60, 101205.


Marton-Alper IZ, et al. (2023) Differential contribution of between and within-brain coupling to movement synchronization. Human brain mapping, 44(10), 4136.


Xu H, et al. (2023) Insomniacs show greater prefrontal activation during verbal fluency task compared to non-insomniacs: a functional near-infrared spectroscopy investigation of depression in patients. BMC psychiatry, 23(1), 217.


Chen L, et al. (2023) The increased inter-brain neural synchronization in prefrontal cortex


Liang C, et al. (2022) BMAL1 moonlighting as a gatekeeper for LINE1 repression and cellular senescence in primates. Nucleic acids research, 50(6), 3323.


