Resource Summary Report

Generated by NIF on May 23, 2025

NIRx NIRS Neuroimaging

RRID:SCR_002491
Type: Tool

Proper Citation

NIRx NIRS Neuroimaging (RRID:SCR_002491)

Resource Information

URL: http://www.nirx.net

Proper Citation: NIRx NIRS Neuroimaging (RRID:SCR_002491)

Description: Commercial technology solutions for NIRS neuroscience imaging applications.

Synonyms: NIRx Optical Neuroimaging

Resource Type: material resource, instrument supplier

Keywords: hardware, image reconstruction, nirs, fnir, optical imaging, physiological recording, tomography, neuroimaging, adult, infant, child, imaging

Funding:

Availability: Commercial

Resource Name: NIRx NIRS Neuroimaging

Resource ID: SCR_002491

Alternate IDs: nlx_155886

Alternate URLs: http://www.nitrc.org/projects/nirx

Record Creation Time: 20220129T080213+0000

Record Last Update: 20250523T054244+0000

Ratings and Alerts

No rating or validation information has been found for NIRx NIRS Neuroimaging.

No alerts have been found for NIRx NIRS Neuroimaging.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 17 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Perello-March J, et al. (2024) How Do Drivers Perceive Risks During Automated Driving Scenarios? An fNIRS Neuroimaging Study. Human factors, 66(9), 2244.

Gentile E, et al. (2023) Effects of movement congruence on motor resonance in early Parkinson's disease. Scientific reports, 13(1), 14887.

Gentile E, et al. (2022) Movement observation activates motor cortex in fibromyalgia patients: a fNIRS study. Scientific reports, 12(1), 4707.

Shibu CJ, et al. (2022) Explainable artificial intelligence model to predict brain states from fNIRS signals. Frontiers in human neuroscience, 16, 1029784.

Csipo T, et al. (2021) Sleep deprivation impairs cognitive performance, alters task-associated cerebral blood flow and decreases cortical neurovascular coupling-related hemodynamic responses. Scientific reports, 11(1), 20994.

Nagels-Coune L, et al. (2021) See, Hear, or Feel - to Speak: A Versatile Multiple-Choice Functional Near-Infrared Spectroscopy-Brain-Computer Interface Feasible With Visual, Auditory, or Tactile Instructions. Frontiers in human neuroscience, 15, 784522.

Gentile E, et al. (2020) Mutual interaction between motor cortex activation and pain in fibromyalgia: EEG-fNIRS study. PloS one, 15(1), e0228158.

Benitez-Andonegui A, et al. (2020) An Augmented-Reality fNIRS-Based Brain-Computer Interface: A Proof-of-Concept Study. Frontiers in neuroscience, 14, 346.

Nagels-Coune L, et al. (2020) Brain-Based Binary Communication Using Spatiotemporal Features of fNIRS Responses. Frontiers in human neuroscience, 14, 113.

Bandeira JS, et al. (2019) Functional Spectroscopy Mapping of Pain Processing Cortical Areas During Non-painful Peripheral Electrical Stimulation of the Accessory Spinal Nerve. Frontiers in human neuroscience, 13, 200.

Schaal NK, et al. (2019) A Functional Near-Infrared Spectroscopy Study on the Cortical Haemodynamic Responses During the Maastricht Acute Stress Test. Scientific reports, 9(1), 13459.

Krampe C, et al. (2018) The Application of Mobile fNIRS in Marketing Research-Detecting the "First-Choice-Brand" Effect. Frontiers in human neuroscience, 12, 433.

Shin J, et al. (2018) Simultaneous acquisition of EEG and NIRS during cognitive tasks for an open access dataset. Scientific data, 5, 180003.

Barbour RL, et al. (2018) Hemoglobin state-flux: A finite-state model representation of the hemoglobin signal for evaluation of the resting state and the influence of disease. PloS one, 13(6), e0198210.

Landowska A, et al. (2018) Within- and Between-Session Prefrontal Cortex Response to Virtual Reality Exposure Therapy for Acrophobia. Frontiers in human neuroscience, 12, 362.

Ahn S, et al. (2017) Multi-Modal Integration of EEG-fNIRS for Brain-Computer Interfaces - Current Limitations and Future Directions. Frontiers in human neuroscience, 11, 503.

Piper SK, et al. (2013) Towards whole-body fluorescence imaging in humans. PloS one, 8(12), e83749.