

Resource Summary Report

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NIRStar

RRID:SCR_014540

Type: Tool

Proper Citation

NIRStar (RRID:SCR_014540)

Resource Information

URL: <http://nirx.net/software/>

Proper Citation: NIRStar (RRID:SCR_014540)

Description: Commercial software tool designed to function as a multiplatform instrument controlling environment for NIRx products. Its features include the ability to run full or partial sensing configurations, montage views and viewing options, and a real-time system status reporting display.

Synonyms: NIRStar - NIRS Acquisition Software by NIRx, NIRStar, NIRS Acquisition Software by NIRx

Resource Type: software application, software resource, data processing software, data acquisition software

Keywords: multiplatform, instrument controlling environment, investigational, paradigm, imaging system, data acquisition software

Availability: Commercially available

Resource Name: NIRStar

Resource ID: SCR_014540

Record Creation Time: 20220129T080321+0000

Record Last Update: 20260729T044328+0000

Ratings and Alerts

No rating or validation information has been found for NIRStar.

No alerts have been found for NIRStar.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 53 mentions in open access literature.

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

Réveillé C, et al. (2025) Trajectories of interbrain synchrony during teamwork: links with team composition and performance. *Social cognitive and affective neuroscience*, 20(1).

Muller CO, et al. (2025) Evaluating the effects of multimodal EEG-fNIRS neurofeedback for motor imagery: An experimental platform and study protocol. *PloS one*, 20(9), e0331177.

Liao J, et al. (2025) Cortical activity during painful and non-painful stimulation over four lower limb body sites: a functional near-infrared spectroscopy study. *Scientific reports*, 15(1), 5070.

Chen Y, et al. (2025) An fNIRS hyperscanning dataset on the modulation of synchrony by social relationship during social touch. *Scientific data*, 12(1), 1975.

Gan L, et al. (2025) A Virtual Reality Force Control Training System on Brain Activation: Functional Near-Infrared Spectroscopy (fNIRS) Study. *JMIR serious games*, 13, e63874.

Muñoz V, et al. (2025) Sound intensity-dependent cortical activation: implications of the electrical and vascular activity on auditory intensity. *Cognitive neurodynamics*, 19(1), 88.

Ramacciotti MCC, et al. (2025) Left OFC Activation in Functional Near-Infrared Spectroscopy during an Inhibitory Control Task in an Early Years Sample: Integrating Stress Responses with Cognitive Function and Brain Activation. *Developmental neuroscience*, 47(2), 81.

Lim M, et al. (2024) Culture, sex and social context influence brain-to-brain synchrony: an fNIRS hyperscanning study. *BMC psychology*, 12(1), 350.

Healey R, et al. (2024) Impaired motor inhibition during perceptual inhibition in older, but not younger adults: a psychophysiological study. *Scientific reports*, 14(1), 2023.

M?zrak HG, et al. (2024) Investigation of hemispheric asymmetry in Alzheimer's disease patients during resting state revealed BY fNIRS. *Scientific reports*, 14(1), 13454.

Heiland EG, et al. (2024) A randomised crossover trial of nitrate and breakfast on prefrontal cognitive and haemodynamic response functions. *NPJ science of food*, 8(1), 64.

Yeo SS, et al. (2024) Effects of Transcranial Direct Current Stimulation on Clinical Features of Dizziness and Cortical Activation in a Patient with Vestibular Migraine. *Brain sciences*, 14(2).

Akila V, et al. (2024) Novel Feature Generation for Classification of Motor Activity from Functional Near-Infrared Spectroscopy Signals Using Machine Learning. *Diagnostics* (Basel, Switzerland), 14(10).

Zhang J, et al. (2024) Characteristic Changes of Prefrontal and Motor Areas in Patients with Type 2 Diabetes and Major Depressive Disorder During a Motor Task of Tai Chi Chuan: A Functional Near-Infrared Spectroscopy Study. *Brain and behavior*, 14(10), e70071.

Clemente L, et al. (2024) Exploring Aesthetic Perception in Impaired Aging: A Multimodal Brain-Computer Interface Study. *Sensors* (Basel, Switzerland), 24(7).

Isaev MR, et al. (2024) A multiple session dataset of NIRS recordings from stroke patients controlling brain-computer interface. *Scientific data*, 11(1), 1168.

Regan C, et al. (2023) Acute effects of nitrate and breakfast on working memory, cerebral blood flow, arterial stiffness, and psychological factors in adolescents: Study protocol for a randomised crossover trial. *PloS one*, 18(5), e0285581.

Muñoz V, et al. (2023) Neurovascular coupling during auditory stimulation: event-related potentials and fNIRS hemodynamic. *Brain structure & function*, 228(8), 1943.

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

Heiland EG, et al. (2022) ABBaH teens: Activity Breaks for Brain Health in adolescents: study protocol for a randomized crossover trial. *Trials*, 23(1), 22.