

A review on continuous wave functional near-infrared spectroscopy instrumentation and methodology

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Citation Report

#	ARTICLE	IF	CITATIONS
1	General equation for the differential pathlength factor of the frontal human head depending on wavelength and age. <i>Journal of Biomedical Optics</i> , 2013, 18, 105004.	2.6	269
2	A new methodical approach in neuroscience: assessing inter-personal brain coupling using functional near-infrared imaging (fNIRI) hyperscanning. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 813.	2.0	111
3	Near-Infrared Spectroscopy in Schizophrenia: A Possible Biomarker for Predicting Clinical Outcome and Treatment Response. <i>Frontiers in Psychiatry</i> , 2013, 4, 145.	2.6	55
4	Identifying and quantifying main components of physiological noise in functional near infrared spectroscopy on the prefrontal cortex. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 864.	2.0	100
5	Prefrontal cortex and executive function in young children: a review of NIRS studies. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 867.	2.0	162
6	Continuous monitoring of brain dynamics with functional near infrared spectroscopy as a tool for neuroergonomic research: empirical examples and a technological development. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 871.	2.0	211
7	Prefrontal cortex activation during story encoding/retrieval: a multi-channel functional near-infrared spectroscopy study. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 925.	2.0	23
8	What we can and cannot (yet) do with functional near infrared spectroscopy. <i>Frontiers in Neuroscience</i> , 2014, 8, 117.	2.8	83
9	Separating heart and brain: on the reduction of physiological noise from multichannel functional near-infrared spectroscopy (fNIRS) signals. <i>Journal of Neural Engineering</i> , 2014, 11, 056010.	3.5	61
10	A new research trend in social neuroscience: Towards an interactive brain neuroscience. <i>PsyCh Journal</i> , 2014, 3, 177-188.	1.1	42
11	Monitoring Cerebral Oxygenation during Balloon Occlusion with Multichannel NIRS. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 347-356.	4.3	17
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13	NIRS in motion—unraveling the neurocognitive underpinnings of embodied numerical cognition. <i>Frontiers in Psychology</i> , 2014, 5, 743.	2.1	10
14	Non-invasive optical methods for brain-machine interfacing and imaging. , 2014, , .		1
15	Optimizing the general linear model for functional near-infrared spectroscopy: an adaptive hemodynamic response function approach. <i>Neurophotonics</i> , 2014, 1, 015004.	3.3	71
16	Algorithm for removing scalp signals from functional near-infrared spectroscopy signals in real time using multidistance optodes. <i>Journal of Biomedical Optics</i> , 2014, 19, 110505.	2.6	15
17	Sensitivity of near-infrared spectroscopy and diffuse correlation spectroscopy to brain hemodynamics: simulations and experimental findings during hypercapnia. <i>Neurophotonics</i> , 2014, 1, 015005.	3.3	123
18	Greater contribution of cerebral than extracerebral hemodynamics to near-infrared spectroscopy signals for functional activation and resting-state connectivity in infants. <i>Neurophotonics</i> , 2014, 1, 025003.	3.3	17

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19	Short-channel functional near-infrared spectroscopy regressions improve when source-detector separation is reduced. <i>Neurophotonics</i> , 2014, 1, 015002.	3.3	63
20	Separation of superficial and cerebral hemodynamics using a single distance time-domain NIRS measurement. <i>Biomedical Optics Express</i> , 2014, 5, 1465.	2.9	17
21	Spatial sensitivity and penetration depth of three cerebral oxygenation monitors. <i>Biomedical Optics Express</i> , 2014, 5, 2896.	2.9	44
22	A new broadband near-infrared spectroscopy system for in-vivo measurements of cerebral cytochrome-c-oxidase changes in neonatal brain injury. <i>Biomedical Optics Express</i> , 2014, 5, 3450.	2.9	87
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27	Studying hemispheric lateralization during a Stroop task through near-infrared spectroscopy-based connectivity. <i>Journal of Biomedical Optics</i> , 2014, 19, 057012.	2.6	37
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29	Positive correlation between drowsiness and prefrontal activation during a simulated speed-control driving task. <i>NeuroReport</i> , 2014, 25, 1316-1319.	1.2	13
30	Note: Three wavelengths near-infrared spectroscopy system for compensating the light absorbance by water. <i>Review of Scientific Instruments</i> , 2014, 85, 026111.	1.3	70
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84	Determination of Fenitrothion in Water by Near Infrared Spectroscopy and Chemometric Analysis. <i>Analytical Letters</i> , 2015, 48, 1481-1493.	1.8	7
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