Sabrina Brigadoi

List of Publications by Year
in descending order

49 papers	1,340 citations	567281 15 h-index	361022 35 g-index
50 all docs	50 docs citations	50 times ranked	1551 citing authors

#	ARTICLE	IF	CITATIONS
1	Motion artifacts in functional near-infrared spectroscopy: A comparison of motion correction techniques applied to real cognitive data. NeuroImage, 2014, 85, 181-191.	4.2	397
2	How short is short? Optimum source–detector distance for short-separation channels in functional near-infrared spectroscopy. Neurophotonics, 2015, 2, 025005.	3.3	218
3	Recommendations for motion correction of infant fNIRS data applicable to multiple data sets and acquisition systems. NeuroImage, 2019, 200, 511-527.	4.2	102
4	A 4D neonatal head model for diffuse optical imaging of pre-term to term infants. NeuroImage, 2014, 100, 385-394.	4.2	61
5	A reference-channel based methodology to improve estimation of event-related hemodynamic response from fNIRS measurements. NeuroImage, 2013, 72, 106-119.	4.2	48
6	Unleashing the future potential of functional near-infrared spectroscopy in brain sciences. Journal of Neuroscience Methods, 2014, 232, 152-156.	2.5	47
7	Mapping cortical haemodynamics during neonatal seizures using diffuse optical tomography: A case study. NeuroImage: Clinical, 2014, 5, 256-265.	2.7	43
8	Reward motivation and neurostimulation interact to improve working memory performance in healthy older adults: A simultaneous tDCS-fNIRS study. NeuroImage, 2019, 202, 116062.	4.2	39
9	Prefrontal Cortex Activation Upon a Demanding Virtual Hand-Controlled Task: A New Frontier for Neuroergonomics. Frontiers in Human Neuroscience, 2016, 10, 53.	2.0	33
10	Dynamic causal modelling on infant fNIRS data: A validation study on a simultaneously recorded fNIRS-fMRI dataset. NeuroImage, 2018, 175, 413-424.	4.2	30
11	Idiosyncratic control of the center of mass in expert climbers. Scandinavian Journal of Medicine and Science in Sports, 2011, 21, 688-699.	2.9	27
12	Array Designer: automated optimized array design for functional near-infrared spectroscopy. Neurophotonics, 2018, 5, 1.	3.3	25
13	A novel semi-immersive virtual reality visuo-motor task activates ventrolateral prefrontal cortex: a functional near-infrared spectroscopy study. Journal of Neural Engineering, 2016, 13, 036002.	3.5	20
14	Functional dissociation of anterior cingulate cortex and intraparietal sulcus in visual working memory. Cortex, 2019, 121, 277-291.	2.4	20
15	Image reconstruction of oxidized cerebral cytochrome C oxidase changes from broadband near-infrared spectroscopy data. Neurophotonics, 2017, 4, 021105.	3.3	17
16	A wide field-of-view, modular, high-density diffuse optical tomography system for minimally constrained three-dimensional functional neuroimaging. Biomedical Optics Express, 2020, 11, 4110.	2.9	17
17	Exploring the role of primary and supplementary motor areas in simple motor tasks with fNIRS. Cognitive Processing, 2012, 13, 97-101.	1.4	15
18	Smartphone-based photogrammetry provides improved localization and registration of scalp-mounted neuroimaging sensors. Scientific Reports, 2022, 12, .	3.3	14

#	Article	IF	Citations
19	On the Role of the Inferior Intraparietal Sulcus in Visual Working Memory for Lateralized Single-feature Objects. Journal of Cognitive Neuroscience, 2017, 29, 337-351.	2.3	13
20	Measuring Cerebral Activation From fNIRS Signals: An Approach Based on Compressive Sensing and Taylor–Fourier Model. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 1310-1318.	4.7	12
21	Preoperative Prediction of Facial Nerve in Patients with Vestibular Schwannomas: The Role of Diffusion Tensor Imaging—A Systematic Review. World Neurosurgery, 2019, 125, 24-31.	1.3	12
22	Altering sensorimotor simulation impacts early stages of facial expression processing depending on individual differences in alexithymic traits. Brain and Cognition, 2021, 148, 105678.	1.8	12
23	Evaluating real-time image reconstruction in diffuse optical tomography using physiologically realistic test data. Biomedical Optics Express, 2015, 6, 4719.	2.9	10
24	Long-term continuous monitoring of the preterm brain with diffuse optical tomography and electroencephalography: a technical note on cap manufacturing. Neurophotonics, 2016, 3, 045009.	3.3	9
25	Perception of Caucasian and African faces in 5- to 9-month-old Caucasian infants: A functional near-infrared spectroscopy study. Neuropsychologia, 2019, 126, 3-9.	1.6	9
26	Frontal haemodynamic responses in depression and the effect of electroconvulsive therapy. Journal of Psychopharmacology, 2019, 33, 1003-1014.	4.0	8
27	Multishell Diffusion MRI–Based Tractography of the Facial Nerve in Vestibular Schwannoma. American Journal of Neuroradiology, 2020, 41, 1480-1486.	2.4	8
28	Construction and validation of a database of head models for functional imaging of the neonatal brain. Human Brain Mapping, 2021, 42, 567-586.	3.6	8
29	Multivariate analysis of the systemic response to auditory stimulation: An integrative approach. Experimental Physiology, 2021, 106, 1072-1098.	2.0	8
30	A methodology to improve estimation of stimulus-evoked hemodynamic response from fNIRS measurements. , 2011, 2011, 785-8.		6
31	A bilateral N2pc (N2pcb) component is elicited by search targets displayed on the vertical midline. Psychophysiology, 2020, 57, e13512.	2.4	6
32	Randomised controlled trial of ketamine augmentation of electroconvulsive therapy to improve neuropsychological and clinical outcomes in depression (Ketamine-ECT study). Efficacy and Mechanism Evaluation, 2017, 4, 1-112.	0.7	6
33	Computer data simulator to assess the accuracy of estimates of visual N2/N2pc event-related potential components. Journal of Neural Engineering, 2020, 17, 036024.	3.5	4
34	fNIRS & e-drum: An ecological approach to monitor hemodynamic and behavioural effects of rhythmic auditory cueing training. Brain and Cognition, 2021, 151, 105753.	1.8	4
35	Integrating motion sensing and wearable, modular high-density diffuse optical tomography: preliminary results. , 2019, , .		4
36	A bilateral SPCN is elicited by to-be-memorized visual stimuli displayed along the vertical midline. Psychophysiology, 2022, 59, e14045.	2.4	4

#	Article	IF	Citations
37	Whole-head functional brain imaging of neonates at cot-side using time-resolved diffuse optical tomography. Proceedings of SPIE, 2015, , .	0.8	3
38	On pacing trials while scanning brain hemodynamics: The case of the SNARC effect. Psychonomic Bulletin and Review, 2018, 25, 2267-2273.	2.8	3
39	Neurovascular Interactions in the Neurologically Compromised Neonatal Brain. Advances in Experimental Medicine and Biology, 2016, 876, 485-492.	1.6	3
40	Regional Haemodynamic and Metabolic Coupling in Infants. Frontiers in Human Neuroscience, 2021, 15, 780076.	2.0	3
41	A compressive sensing spectral model for fNIRS haemodynamic response de-noising. , 2015, , .		2
42	A Time-Frequency Analysis for the Online Detection of the N2pc Event-Related Potential (ERP) Component in Individual EEG Datasets. , 2020, 2020, 1019-1022.		2
43	A neural network predicting the amplitude of the N2pc in individual EEG datasets. Journal of Neural Engineering, 2021, 18, 056044.	3.5	2
44	Whole-head functional brain imaging of neonates at cot-side using time-resolved diffuse optical tomography. , 2015, , .		2
45	Accurate hemodynamic response estimation by removal of stimulus-evoked superficial response in fNIRS signals. Journal of Neural Engineering, 2021, 18, 036019.	3.5	1
46	Development of a Computer Simulator of the Visual N2 Event-Related Potential Component for the Study of Cognitive Processes. IFMBE Proceedings, 2020, , 29-36.	0.3	1
47	Mapping hemodynamic changes during hypoglycemia in the very preterm neonatal brain: preliminary results. , 2019, , .		1
48	On target selection as reflected by posterior <scp>ERP</scp> components in feature‐guided visual search. Psychophysiology, 0, , .	2.4	1
49	The BabyGlucoLight Project: Understanding the Impact of Neonatal Glycemic Control on Brain Hemodynamics and Developmental Outcome in Very Preterm Neonates. , 2022, , .		0