

Matteo Caffini

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,026
citations

623734

14
h-index

713466

21
g-index

29
all docs

29
docs citations

29
times ranked

1163
citing authors

#	ARTICLE	IF	CITATIONS
1	Time domain functional NIRS imaging for human brain mapping. <i>NeuroImage</i> , 2014, 85, 28-50.	4.2	372
2	Performance assessment of time-domain optical brain imagers, part 1: basic instrumental performance protocol. <i>Journal of Biomedical Optics</i> , 2014, 19, 086010.	2.6	101
3	Validating atlas-guided DOT: A comparison of diffuse optical tomography informed by atlas and subject-specific anatomies. <i>NeuroImage</i> , 2012, 62, 1999-2006.	4.2	81
4	Multi-channel medical device for time domain functional near infrared spectroscopy based on wavelength space multiplexing. <i>Biomedical Optics Express</i> , 2013, 4, 2231.	2.9	54
5	Computer-aided cephalometric landmark annotation for CBCT data. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2017, 12, 113-121.	2.8	44
6	Spontaneous generalization of abstract multimodal patterns in young domestic chicks. <i>Animal Cognition</i> , 2017, 20, 521-529.	1.8	44
7	Brain and Muscle near Infrared Spectroscopy/Imaging Techniques. <i>Journal of Near Infrared Spectroscopy</i> , 2012, 20, 15-27.	1.5	43
8	Load-dependent brain activation assessed by time-domain functional near-infrared spectroscopy during a working memory task with graded levels of difficulty. <i>Journal of Biomedical Optics</i> , 2012, 17, 056005.	2.6	42
9	A compact time-resolved system for near infrared spectroscopy based on wavelength space multiplexing. <i>Review of Scientific Instruments</i> , 2010, 81, 113101.	1.3	35
10	Corticospinal tract integrity is related to primary motor cortex thinning in relapsing/remitting multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2015, 21, 1771-1780.	3.0	34
11	Effects of Increasing Neuromuscular Electrical Stimulation Current Intensity on Cortical Sensorimotor Network Activation: A Time Domain fNIRS Study. <i>PLoS ONE</i> , 2015, 10, e0131951.	2.5	33
12	Hemodynamic and EEG Time-Courses During Unilateral Hand Movement in Patients with Cortical Myoclonus. An EEG-fMRI and EEG-TD-fNIRS Study. <i>Brain Topography</i> , 2015, 28, 915-925.	1.8	30
13	Effect of prolonged stimulation on cerebral hemodynamic: A time-resolved fNIRS study. <i>Medical Physics</i> , 2009, 36, 4103-4114.	3.0	20
14	In vivo measure of neonate brain optical properties and hemodynamic parameters by time-domain near-infrared spectroscopy. <i>Neurophotonics</i> , 2017, 4, 1.	3.3	14
15	Physiological and molecular characterization of the late ripening stages in <i>Mangifera indica</i> cv Keitt. <i>Postharvest Biology and Technology</i> , 2022, 183, 111746.	6.0	13
16	Neurophotonics: non-invasive optical techniques for monitoring brain functions. <i>Functional Neurology</i> , 2014, 29, 223-30.	1.3	13
17	From neurovascular coupling to neurovascular cascade: a study on neural, autonomic and vascular transients in attention. <i>Physiological Measurement</i> , 2012, 33, 1379-1397.	2.1	10
18	Born to be asocial: newly hatched tortoises avoid unfamiliar individuals. <i>Animal Behaviour</i> , 2018, 138, 187-192.	1.9	10

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19	A multichannel time-domain brain oximeter for clinical studies. Proceedings of SPIE, 2009, , .	0.8	9
20	Cerebral Cortex Activation Mapping upon Electrical Muscle Stimulation by 32-Channel Time-Domain Functional Near-Infrared Spectroscopy. Advances in Experimental Medicine and Biology, 2013, 789, 441-447.	1.6	7
21	Assessment of basic instrumental performance of time-domain optical brain imagers. Proceedings of SPIE, 2011, , .	0.8	6
22	Non-invasive neuroimaging: Generalized Linear Models for interpreting functional Near Infrared Spectroscopy signals. , 2007, , .		3
23	A compact time-resolved system for NIR spectroscopy. , 2009, , .		2
24	Assessment of cortical response during motor task in adults by a multimodality approach based on fNIRS-EEG, fMRI-EEG, and TMS. , 2011, , .		2
25	Anatomical brain atlas for NIRS measurements of brain activation. , 2011, , .		1
26	Intra- and extra-cortical activation during a working memory task assessed by time-resolved near-infrared spectroscopy (fNIRS). Proceedings of SPIE, 2009, , .	0.8	0
27	Surface-based reconstruction and diffusion MRI in the assessment of gray and white matter damage in multiple sclerosis. , 2014, , .		0
28	Comparison between optimized GRE and RARE sequences for 19F MRI studies. , 2014, , .		0