

Luca Pollonini

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

670
citations

759233

12
h-index

642732

23
g-index

42
all docs

42
docs citations

42
times ranked

822
citing authors

#	ARTICLE	IF	CITATIONS
1	Auditory cortex activation to natural speech and simulated cochlear implant speech measured with functional near-infrared spectroscopy. <i>Hearing Research</i> , 2014, 309, 84-93.	2.0	136
2	PHOEBE: a method for real time mapping of optodes-scalp coupling in functional near-infrared spectroscopy. <i>Biomedical Optics Express</i> , 2016, 7, 5104.	2.9	75
3	Cortical Activation Patterns Correlate with Speech Understanding After Cochlear Implantation. <i>Ear and Hearing</i> , 2016, 37, e160-e172.	2.1	58
4	Information Communication Networks in Severe Traumatic Brain Injury. <i>Brain Topography</i> , 2010, 23, 221-226.	1.8	48
5	Functional connectivity networks in the autistic and healthy brain assessed using Granger causality. , 2010, 2010, 1730-3.		48
6	A Novel Handheld Device for Use in Remote Patient Monitoring of Heart Failure Patientsâ€™ Design and Preliminary Validation on Healthy Subjects. <i>Journal of Medical Systems</i> , 2012, 36, 653-659.	3.6	48
7	Synchronization between the anterior and posterior cortex determines consciousness level in patients with traumatic brain injury (TBI). <i>Brain Research</i> , 2012, 1476, 22-30.	2.2	43
8	A multi-layer monitoring system for clinical management of Congestive Heart Failure. <i>BMC Medical Informatics and Decision Making</i> , 2015, 15, S5.	3.0	28
9	Design and performance of a wide-bandwidth and sensitive instrument for near-infrared spectroscopic measurements on human tissue. <i>Review of Scientific Instruments</i> , 2004, 75, 5315-5325.	1.3	20
10	Longitudinal effect of transcranial direct current stimulation on knee osteoarthritis patients measured by functional infrared spectroscopy: a pilot study. <i>Neurophotonics</i> , 2020, 7, 1.	3.3	17
11	A system for the inspection and quality control of glass slabs. <i>Review of Scientific Instruments</i> , 2002, 73, 3386-3391.	1.3	15
12	Blood lactate thresholds and walking/running economy are determinants of backpack-running performance in trained soldiers. <i>Applied Ergonomics</i> , 2017, 58, 566-572.	3.1	15
13	Tracking differential activation of primary and supplementary motor cortex across timing tasks: An fNIRS validation study. <i>Journal of Neuroscience Methods</i> , 2020, 341, 108790.	2.5	15
14	NIRSplot: A Tool for Quality Assessment of fNIRS Scans. , 2020, , .		14
15	Functional Nearâ€infrared Spectroscopy to Assess Central Pain Responses in a Nonpharmacologic Treatment Trial of Osteoarthritis. <i>Journal of Neuroimaging</i> , 2020, 30, 808-814.	2.0	12
16	Pulse transit time measured by photoplethysmography improves the accuracy of heart rate as a surrogate measure of cardiac output, stroke volume and oxygen uptake in response to graded exercise. <i>Physiological Measurement</i> , 2015, 36, 911-924.	2.1	10
17	Integrated device for the measurement of systemic and local oxygen transport during physical exercise. , 2012, 2012, 3760-3.		7
18	Optical Properties and Molar Hemoglobin Concentration of Skeletal Muscles Measured <i>In Vivo</i> With Wearable Near Infrared Spectroscopy. <i>IEEE Sensors Journal</i> , 2018, 18, 2326-2334.	4.7	7

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19	Feasibility and efficacy of remotely supervised cranial electrical stimulation for pain in older adults with knee osteoarthritis: A randomized controlled pilot study. <i>Journal of Clinical Neuroscience</i> , 2020, 77, 128-133.	1.5	6
20	A non-invasive miniaturized-wireless laser-Doppler fiber optic sensor for understanding distal fingertip injuries in astronauts. , 2009, , .		5
21	Functional neuroimaging of sensorimotor cortices in postmenopausal women with type II diabetes. <i>Neurophotonics</i> , 2020, 7, 035007.	3.3	5
22	Spectral Power of Brain Activity Associated with Emotion " A Pilot MEG Study. <i>IFMBE Proceedings</i> , 2010, , 354-357.	0.3	4
23	Hemodynamic Function of Forearm Muscle in Postmenopausal Women With Type 2 Diabetes. <i>Journal of Aging and Physical Activity</i> , 2020, 28, 723-730.	1.0	4
24	Designing devices to communicate effectively with intensive care nurses to prevent pressure injuries: A qualitative study. <i>Intensive and Critical Care Nursing</i> , 2022, 71, 103244.	2.9	4
25	<title>Integrated instrument for dynamic light scattering and natural fluorescence measurements</title>. , 2001, , .		3
26	<title>Dynamic light scattering and natural fluorescence measurements in healthy and pathological ocular tissues</title>. , 2002, 4611, 213.		3
27	Default brain connectivity network in mild traumatic brain injury — preliminary MEG results. , 2011, , .		3
28	Blue scale: Early detection of impending congestive heart failure events via wireless daily self-monitoring. , 2014, , .		3
29	Restoring cortical connectivity directionality and synchronization is essential to treating disorder of consciousness. <i>Current Pharmaceutical Design</i> , 2014, 20, 4268-74.	1.9	3
30	Pigment dispersion syndrome (PDS) assessment by dynamic light scattering. , 2003, , .		2
31	Anthropometric and Blood Flow Characteristics Leading to EVA Hand Injury. , 2009, , .		2
32	Local syntactic violations evoke fast mismatch-related neural activity detected by optical neuroimaging. <i>Experimental Brain Research</i> , 2020, 238, 2665-2684.	1.5	2
33	Restoring Cortical Connectivity Directionality and Synchronization is Essential to Treating Disorder of Consciousness. <i>Current Pharmaceutical Design</i> , 2013, 999, 17-18.	1.9	2
34	Self-contained diffuse optical imaging system for real-time detection and localization of vascular occlusions. , 2015, 2015, 5884-7.		1
35	Hemodynamic function during finger force production tasks in healthy adults. <i>Muscle and Nerve</i> , 2017, 56, 472-478.	2.2	1
36	Standardising an infant fNIRS analysis pipeline to investigate neurodevelopment in global health. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
37	<title>Dynamic light scattering and natural fluorescence measurements of the corneal tissue</title>. , 2001, , .		0
38	<title>Microcontroller-based front-end electronics for simultaneous measurements of dynamic light scattering and natural fluorescence</title>. , 2002, , .		0
39	Simulation of optical path and volume-under-test calculation in an integrated dynamic light scattering and autofluorescence device. , 2004, 5314, 71.		0
40	Decoding movement direction using phase-space analysis of hemodynamic responses to arm movements based on functional near-infrared spectroscopy. , 2016, 2016, 1580-1583.		0
41	Links between socioeconomic disadvantage, neural function, and working memory in early childhood. Developmental Psychobiology, 2021, 63, e22181.	1.6	0
42	Correlation between socioeconomic disadvantage in preschool children and brain organization: a functional NIRS connectivity study. , 2021, , .		0