Zengyong Li

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1336720/publications.pdf

Version: 2024-02-01

34	990	430874	526287
papers	citations	18 h-index	27 g-index

34	34	34	727
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Timeâ€evolving coupling functions for evaluating the interaction between cerebral oxyhemoglobin and arterial blood pressure with hypertension. Medical Physics, 2021, 48, 2027-2037.	3.0	3
2	A review on functional near-infrared spectroscopy and application in stroke rehabilitation. Medicine in Novel Technology and Devices, 2021, 11, 100064.	1.6	20
3	Intermittent Sequential Pneumatic Compression Improves Coupling between Cerebral Oxyhaemoglobin and Arterial Blood Pressure in Patients with Cerebral Infarction. Biology, 2021, 10, 869.	2.8	6
4	Effects of acupuncture on the relationship between cerebral hemodynamics and arterial blood pressure in patients with hypertension. Medicine in Novel Technology and Devices, 2021, 12, 100093.	1.6	0
5	Tai Chi Chuan exercise related change in brain function as assessed by functional nearâ€“infrared spectroscopy. Scientific Reports, 2019, 9, 13198.	3.3	36
6	Limb linkage rehabilitation training-related changes in cortical activation and effective connectivity after stroke: A functional near-infrared spectroscopy study. Scientific Reports, 2019, 9, 6226.	3.3	32
7	Effects of poor sleep quality on brain functional connectivity revealed by wavelet-based coherence analysis using NIRS methods in elderly subjects. Neuroscience Letters, 2018, 668, 108-114.	2.1	23
8	Frequency-specific Effective Connectivity in Subjects with Cerebral Infarction as Revealed by NIRS Method. Neuroscience, 2018, 373, 169-181.	2.3	13
9	Alterations in the coupling functions between cerebral oxyhaemoglobin and arterial blood pressure signals in post-stroke subjects. PLoS ONE, 2018, 13, e0195936.	2.5	17
10	Functional connectivity analysis using fNIRS in healthy subjects during prolonged simulated driving. Neuroscience Letters, 2017, 640, 21-28.	2.1	73
11	Functional connectivity analysis of distracted drivers based on the wavelet phase coherence of functional near-infrared spectroscopy signals. PLoS ONE, 2017, 12, e0188329.	2.5	35
12	Wavelet coherence analysis of cerebral oxygenation signals measured by near-infrared spectroscopy in sailors: an exploratory, experimental study. BMJ Open, 2016, 6, e013357.	1.9	22
13	Posture-related changes in brain functional connectivity as assessed by wavelet phase coherence of NIRS signals in elderly subjects. Behavioural Brain Research, 2016, 312, 238-245.	2.2	38
14	Age-related alterations in phase synchronization of oxyhemoglobin concentration changes in prefrontal tissues as measured by near-infrared spectroscopy signals. Microvascular Research, 2016, 103, 19-25.	2.5	32
15	Frequencyâ€specific functional connectivity revealed by waveletâ€based coherence analysis in elderly subjects with cerebral infarction using NIRS method. Medical Physics, 2015, 42, 5391-5403.	3.0	39
16	Effects of Ankle Arthrodesis on Biomechanical Performance of the Entire Foot. PLoS ONE, 2015, 10, e0134340.	2.5	49
17	Cerebral autoregulation in response to posture change in elderly subjects-assessment by wavelet phase coherence analysis of cerebral tissue oxyhemoglobin concentrations and arterial blood pressure signals. Behavioural Brain Research, 2015, 278, 330-336.	2.2	73
18	Phase synchronization analysis of prefrontal tissue oxyhemoglobin oscillations in elderly subjects with cerebral infarction. Medical Physics, 2014, 41, 102702.	3.0	17

#	Article	IF	Citations
19	Wavelet coherence analysis of spontaneous oscillations in cerebral tissue oxyhemoglobin concentrations and arterial blood pressure in elderly subjects. Microvascular Research, 2014, 93, 14-20.	2.5	92
20	Wavelet coherence analysis of prefrontal oxygenation signals in elderly subjects with hypertension. Physiological Measurement, 2014, 35, 777-791.	2.1	80
21	Wavelet coherence analysis of prefrontal tissue oxyhaemoglobin signals as measured using near-infrared spectroscopy in elderly subjects with cerebral infarction. Microvascular Research, 2014, 95, 108-115.	2.5	20
22	Biomechanical study of tarsometatarsal joint fusion using finite element analysis. Medical Engineering and Physics, 2014, 36, 1394-1400.	1.7	30
23	Assessment of cerebral oxygenation oscillations in subjects with hypertension. Microvascular Research, 2013, 88, 32-41.	2.5	20
24	Spectral analysis of nearâ€infrared spectroscopy signals measured from prefrontal lobe in subjects at risk for stroke. Medical Physics, 2012, 39, 2179-2185.	3.0	42
25	Noninvasive Alcohol Testing Using Near-Infrared Spectroscopy and Partial Least Square Method. , 2012, , .		1
26	Notice of Retraction: Assessment of Sacral Tissue Oxygenation Oscillations in Persons with Spinal Cord Injury. , 2011, , .		0
27	Wavelet analysis of sacral tissue oxygenation oscillations by near-infrared spectroscopy in persons with spinal cord injury. Microvascular Research, 2011, 81, 81-87.	2.5	15
28	Correlation analysis between prefrontal oxygenation oscillations and cerebral artery hemodynamics in humans. Microvascular Research, 2011, 82, 304-310.	2.5	15
29	Hyperemia response of tissue oxygenation as assessed by the near infrared spectroscopy in persons with spinal cord injury. , 2010, , .		1
30	Wavelet analysis of cerebral oxygenation signal measured by near infrared spectroscopy in subjects with cerebral infarction. Microvascular Research, 2010, 80, 142-147.	2.5	132
31	Post pressure response of skin blood flowmotions in anesthetized rats with spinal cord injury. Microvascular Research, 2009, 78, 20-24.	2.5	11
32	PRESSURE ULCER, PRESSURE AND FLOW MOTION. , 2009, , 231-241.		0
33	Effect of prolonged pressure on flowmotion: An Investigation Using an in vivo Rat Model. , 2005, 2006, 597-600.		1
34	Identifying Cognitive Impairment in Elderly Using Coupling Functions Between Cerebral Oxyhemoglobin and Arterial Blood Pressure. Frontiers in Aging Neuroscience, 0, 14, .	3.4	2