

Zengyong Li

List of Publications by Year in descending order

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34
papers

990
citations

430874

18
h-index

526287

27
g-index

34
all docs

34
docs citations

34
times ranked

727
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Wavelet analysis of cerebral oxygenation signal measured by near infrared spectroscopy in subjects with cerebral infarction. <i>Microvascular Research</i> , 2010, 80, 142-147. | 2.5 | 132 |
| 2 | Wavelet coherence analysis of spontaneous oscillations in cerebral tissue oxyhemoglobin concentrations and arterial blood pressure in elderly subjects. <i>Microvascular Research</i> , 2014, 93, 14-20. | 2.5 | 92 |
| 3 | Wavelet coherence analysis of prefrontal oxygenation signals in elderly subjects with hypertension. <i>Physiological Measurement</i> , 2014, 35, 777-791. | 2.1 | 80 |
| 4 | 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. <i>Behavioural Brain Research</i> , 2015, 278, 330-336. | 2.2 | 73 |
| 5 | Functional connectivity analysis using fNIRS in healthy subjects during prolonged simulated driving. <i>Neuroscience Letters</i> , 2017, 640, 21-28. | 2.1 | 73 |
| 6 | Effects of Ankle Arthrodesis on Biomechanical Performance of the Entire Foot. <i>PLoS ONE</i> , 2015, 10, e0134340. | 2.5 | 49 |
| 7 | Spectral analysis of near-infrared spectroscopy signals measured from prefrontal lobe in subjects at risk for stroke. <i>Medical Physics</i> , 2012, 39, 2179-2185. | 3.0 | 42 |
| 8 | Frequency-specific functional connectivity revealed by wavelet-based coherence analysis in elderly subjects with cerebral infarction using NIRS method. <i>Medical Physics</i> , 2015, 42, 5391-5403. | 3.0 | 39 |
| 9 | Posture-related changes in brain functional connectivity as assessed by wavelet phase coherence of NIRS signals in elderly subjects. <i>Behavioural Brain Research</i> , 2016, 312, 238-245. | 2.2 | 38 |
| 10 | Tai Chi Chuan exercise related change in brain function as assessed by functional near-infrared spectroscopy. <i>Scientific Reports</i> , 2019, 9, 13198. | 3.3 | 36 |
| 11 | Functional connectivity analysis of distracted drivers based on the wavelet phase coherence of functional near-infrared spectroscopy signals. <i>PLoS ONE</i> , 2017, 12, e0188329. | 2.5 | 35 |
| 12 | Age-related alterations in phase synchronization of oxyhemoglobin concentration changes in prefrontal tissues as measured by near-infrared spectroscopy signals. <i>Microvascular Research</i> , 2016, 103, 19-25. | 2.5 | 32 |
| 13 | Limb linkage rehabilitation training-related changes in cortical activation and effective connectivity after stroke: A functional near-infrared spectroscopy study. <i>Scientific Reports</i> , 2019, 9, 6226. | 3.3 | 32 |
| 14 | Biomechanical study of tarsometatarsal joint fusion using finite element analysis. <i>Medical Engineering and Physics</i> , 2014, 36, 1394-1400. | 1.7 | 30 |
| 15 | Effects of poor sleep quality on brain functional connectivity revealed by wavelet-based coherence analysis using NIRS methods in elderly subjects. <i>Neuroscience Letters</i> , 2018, 668, 108-114. | 2.1 | 23 |
| 16 | Wavelet coherence analysis of cerebral oxygenation signals measured by near-infrared spectroscopy in sailors: an exploratory, experimental study. <i>BMJ Open</i> , 2016, 6, e013357. | 1.9 | 22 |
| 17 | Assessment of cerebral oxygenation oscillations in subjects with hypertension. <i>Microvascular Research</i> , 2013, 88, 32-41. | 2.5 | 20 |
| 18 | Wavelet coherence analysis of prefrontal tissue oxyhaemoglobin signals as measured using near-infrared spectroscopy in elderly subjects with cerebral infarction. <i>Microvascular Research</i> , 2014, 95, 108-115. | 2.5 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | A review on functional near-infrared spectroscopy and application in stroke rehabilitation. <i>Medicine in Novel Technology and Devices</i> , 2021, 11, 100064. | 1.6 | 20 |
| 20 | Phase synchronization analysis of prefrontal tissue oxyhemoglobin oscillations in elderly subjects with cerebral infarction. <i>Medical Physics</i> , 2014, 41, 102702. | 3.0 | 17 |
| 21 | Alterations in the coupling functions between cerebral oxyhaemoglobin and arterial blood pressure signals in post-stroke subjects. <i>PLoS ONE</i> , 2018, 13, e0195936. | 2.5 | 17 |
| 22 | Wavelet analysis of sacral tissue oxygenation oscillations by near-infrared spectroscopy in persons with spinal cord injury. <i>Microvascular Research</i> , 2011, 81, 81-87. | 2.5 | 15 |
| 23 | Correlation analysis between prefrontal oxygenation oscillations and cerebral artery hemodynamics in humans. <i>Microvascular Research</i> , 2011, 82, 304-310. | 2.5 | 15 |
| 24 | Frequency-specific Effective Connectivity in Subjects with Cerebral Infarction as Revealed by NIRS Method. <i>Neuroscience</i> , 2018, 373, 169-181. | 2.3 | 13 |
| 25 | Post pressure response of skin blood flowmotions in anesthetized rats with spinal cord injury. <i>Microvascular Research</i> , 2009, 78, 20-24. | 2.5 | 11 |
| 26 | Intermittent Sequential Pneumatic Compression Improves Coupling between Cerebral Oxyhaemoglobin and Arterial Blood Pressure in Patients with Cerebral Infarction. <i>Biology</i> , 2021, 10, 869. | 2.8 | 6 |
| 27 | Time-evolving coupling functions for evaluating the interaction between cerebral oxyhemoglobin and arterial blood pressure with hypertension. <i>Medical Physics</i> , 2021, 48, 2027-2037. | 3.0 | 3 |
| 28 | Identifying Cognitive Impairment in Elderly Using Coupling Functions Between Cerebral Oxyhemoglobin and Arterial Blood Pressure. <i>Frontiers in Aging Neuroscience</i> , 0, 14, . | 3.4 | 2 |
| 29 | Effect of prolonged pressure on flowmotion: An Investigation Using an in vivo Rat Model. , 2005, 2006, 597-600. | | 1 |
| 30 | Hyperemia response of tissue oxygenation as assessed by the near infrared spectroscopy in persons with spinal cord injury. , 2010, , . | | 1 |
| 31 | Noninvasive Alcohol Testing Using Near-Infrared Spectroscopy and Partial Least Square Method. , 2012, , . | | 1 |
| 32 | Notice of Retraction: Assessment of Sacral Tissue Oxygenation Oscillations in Persons with Spinal Cord Injury. , 2011, , . | | 0 |
| 33 | Effects of acupuncture on the relationship between cerebral hemodynamics and arterial blood pressure in patients with hypertension. <i>Medicine in Novel Technology and Devices</i> , 2021, 12, 100093. | 1.6 | 0 |
| 34 | PRESSURE ULCER, PRESSURE AND FLOW MOTION. , 2009, , 231-241. | | 0 |