

Transfer function analysis of dynamic cerebral autoregulation  
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Citation Report

#	ARTICLE	IF	CITATIONS
1	Assessment of the Brain's Macro- and Micro-Circulatory Blood Flow Responses to CO <sub>2</sub> via Transfer Function Analysis. <i>Frontiers in Physiology</i> , 2016, 7, 162.	1.3	13
2	Statistical criteria for estimation of the cerebral autoregulation index (ARI) at rest. <i>Physiological Measurement</i> , 2016, 37, 661-672.	1.2	38
3	Lack of correlation between cerebral vasomotor reactivity and dynamic cerebral autoregulation during stepwise increases in inspired CO <sub>2</sub> concentration. <i>Journal of Applied Physiology</i> , 2016, 120, 1434-1441.	1.2	10
4	Continuous positive airway pressure might not solve your cerebral autoregulation problem if you have obstructive sleep apnoea. <i>Journal of Physiology</i> , 2016, 594, 6803-6803.	1.3	2
5	Identification of human sympathetic neurovascular control using multivariate wavelet decomposition analysis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H837-H848.	1.5	21
6	MRI-based cerebrovascular reactivity using transfer function analysis reveals temporal group differences between patients with sickle cell disease and healthy controls. <i>NeuroImage: Clinical</i> , 2016, 12, 624-630.	1.4	25
7	The Leicester cerebral haemodynamics database: normative values and the influence of age and sex. <i>Physiological Measurement</i> , 2016, 37, 1485-1498.	1.2	44
8	Low spontaneous variability in cerebral blood flow velocity in non-survivors after cardiac arrest. <i>Resuscitation</i> , 2017, 111, 110-115.	1.3	17
9	Demographic and Systemic Hemodynamic Influences in Mechanisms of Cerebrovascular Regulation in Healthy Adults. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 500-508.	0.7	33
10	Cerebral blood flow autoregulation in ischemic heart failure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017, 312, R108-R113.	0.9	57
11	Phase shift between respiratory oscillations in cerebral blood flow velocity and arterial blood pressure. <i>Physiological Measurement</i> , 2017, 38, 310-324.	1.2	9
12	Cerebrovascular and cardiovascular variability interactions investigated through conditional joint transfer entropy in subjects prone to postural syncope. <i>Physiological Measurement</i> , 2017, 38, 976-991.	1.2	38
13	Ultrasound and dynamic functional imaging in vascular cognitive impairment and Alzheimer's disease. <i>BMC Medicine</i> , 2017, 15, 27.	2.3	53
14	Cerebral blood flow autoregulation is impaired in schizophrenia: A pilot study. <i>Schizophrenia Research</i> , 2017, 188, 63-67.	1.1	8
15	Dynamic Cerebral Autoregulation Assessment Using Extracranial Internal Carotid Artery Doppler Ultrasonography. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 1307-1313.	0.7	12
16	An introduction into autonomic nervous function. <i>Physiological Measurement</i> , 2017, 38, R89-R118.	1.2	147
17	Impaired cerebral autoregulation: measurement and application to stroke. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2017, 88, 520-531.	0.9	114
18	Lack of linear correlation between dynamic and steady-state cerebral autoregulation. <i>Journal of Physiology</i> , 2017, 595, 5623-5636.	1.3	29

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19	Cerebral hemodynamics with intra-aortic balloon pump: business as usual?. <i>Physiological Measurement</i> , 2017, 38, 1349-1361.	1.2	5
20	Hemorrhagic transformation and cerebral edema in acute ischemic stroke: Link to cerebral autoregulation. <i>Journal of the Neurological Sciences</i> , 2017, 372, 256-261.	0.3	81
21	Compromised Cerebrovascular Regulation and Cerebral Oxygenation in Pulmonary Arterial Hypertension. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	32
22	Novel method for intraoperative assessment of cerebral autoregulation by paced breathing. <i>British Journal of Anaesthesia</i> , 2017, 119, 1141-1149.	1.5	10
23	Cerebral autoregulation is preserved in multiple sclerosis patients. <i>Journal of the Neurological Sciences</i> , 2017, 381, 298-304.	0.3	0
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27	Measuring cerebrovascular autoregulation in preterm infants using near-infrared spectroscopy: an overview of the literature. <i>Expert Review of Neurotherapeutics</i> , 2017, 17, 801-818.	1.4	63
28	Random squat/stand maneuvers: a novel approach for assessment of dynamic cerebral autoregulation?. <i>Journal of Applied Physiology</i> , 2017, 123, 558-566.	1.2	13
29	Indexes of cerebral autoregulation do not reflect impairment in syncope: insights from head-up tilt test of vasovagal and autonomic failure subjects. <i>European Journal of Applied Physiology</i> , 2017, 117, 1817-1831.	1.2	9
30	Compartmental and Data-Based Modeling of Cerebral Hemodynamics: Nonlinear Analysis. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 1078-1088.	2.5	5
31	Dynamics of cerebral blood flow in patients with mild non- $\epsilon$ ischaemic heart failure. <i>European Journal of Heart Failure</i> , 2017, 19, 261-268.	2.9	29
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40	Does gradual change in head positioning affect cerebrovascular physiology?. Physiological Reports, 2018, 6, e13603.	0.7	10
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53	Directional sensitivity of dynamic cerebral autoregulation in squat-stand maneuvers. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R730-R740.	0.9	24
54	Dynamic Cerebral Autoregulation Is an Independent Functional Outcome Predictor of Mild Acute Ischemic Stroke. Stroke, 2018, 49, 2605-2611.	1.0	30

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63	Autoregulation in the Neuro ICU. <i>Current Treatment Options in Neurology</i> , 2018, 20, 20.	0.7	15
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87	Effects of Resistance Exercise and Nutritional Supplementation on Dynamic Cerebral Autoregulation in Head-Down Bed Rest. Frontiers in Physiology, 2019, 10, 1114.	1.3	20
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118	Algorithm for determination of thresholds of significant coherence in time-frequency analysis. <i>Biomedical Signal Processing and Control</i> , 2020, 56, 101704.	3.5	4
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133	Using an e-Health Intervention to Reduce Prolonged Sitting in UK Office Workers: A Randomised Acceptability and Feasibility Study. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8942.	1.2	17
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140	Cerebral macro- and microcirculatory blood flow dynamics in successfully treated chronic hypertensive patients with and without white matter lesions. <i>Scientific Reports</i> , 2020, 10, 9213.	1.6	9
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150	Aging reduces cerebral blood flow regulation following an acute hypertensive stimulus. <i>Journal of Applied Physiology</i> , 2020, 128, 1186-1195.	1.2	18
151	Intensive care management of arterial carbon dioxide in acute intracerebral haemorrhage: Case report of influences on cerebral haemodynamics. <i>Ultrasound</i> , 2020, 28, 260-265.	0.3	1
152	Cerebral autoregulation and response to intravenous thrombolysis for acute ischemic stroke. <i>Scientific Reports</i> , 2020, 10, 10554.	1.6	15
153	Impacts of Microgravity Analogs to Spaceflight on Cerebral Autoregulation. <i>Frontiers in Physiology</i> , 2020, 11, 778.	1.3	27
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