

Wojciech Gumiński

List of Publications by Year in descending order

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papers

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163
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Acute Jugular Vein Compression on the Cerebral Blood Flow Velocity, Pial Artery Pulsation and Width of Subarachnoid Space in Humans. PLoS ONE, 2012, 7, e48245.	1.1	38
2	Technical foundations for noninvasive assessment of changes in the width of the subarachnoid space with near-infrared transillumination-backscattering sounding (NIR-TBSS). IEEE Transactions on Biomedical Engineering, 2002, 49, 887-904.	2.5	27
3	Impact of slow breathing on the blood pressure and subarachnoid space width oscillations in humans. Scientific Reports, 2019, 9, 6232.	1.6	24
4	Human subarachnoid space width oscillations in the resting state. Scientific Reports, 2018, 8, 3057.	1.6	18
5	Effect of Maximal Apnoea Easy-Going and Struggle Phases on Subarachnoid Width and Pial Artery Pulsation in Elite Breath-Hold Divers. PLoS ONE, 2015, 10, e0135429.	1.1	14
6	Wavelet transform analysis to assess oscillations in pial artery pulsation at the human cardiac frequency. Microvascular Research, 2015, 99, 86-91.	1.1	13
7	Use of Near Infrared Transillumination / Back Scattering Sounding (NIR-T/BSS) to assess effects of elevated intracranial pressure on width of subarachnoid space and cerebrovascular pulsation in animals. Acta Neurobiologiae Experimentalis, 2011, 71, 313-21.	0.4	11
8	Effects of acute hypercapnia on the amplitude of cerebrovascular pulsation in humans registered with a non-invasive method. Microvascular Research, 2012, 83, 229-236.	1.1	10
9	Acute hypoxia diminishes the relationship between blood pressure and subarachnoid space width oscillations at the human cardiac frequency. PLoS ONE, 2017, 12, e0172842.	1.1	9
10	Pial artery and subarachnoid width response to apnoea in normal humans. Journal of Hypertension, 2015, 33, 1811-1818.	0.3	8
11	Sympathetic Activation Does Not Affect the Cardiac and Respiratory Contribution to the Relationship between Blood Pressure and Pial Artery Pulsation Oscillations in Healthy Subjects. PLoS ONE, 2015, 10, e0135751.	1.1	8
12	Comparison of near infrared spectroscopy (NIRS) and near-infrared transillumination-backscattering sounding (NIR-T/BSS) methods. Scientific Reports, 2020, 10, 18668.	1.6	7
13	Coupling of Blood Pressure and Subarachnoid Space Oscillations at Cardiac Frequency Evoked by Handgrip and Cold Tests: A Bispectral Analysis. Advances in Experimental Medicine and Biology, 2018, 1133, 9-18.	0.8	4
14	Coupling between Blood Pressure and Subarachnoid Space Width Oscillations during Slow Breathing. Entropy, 2021, 23, 113.	1.1	4
15	[PP.17.01] INCREASED INSPIRATORY RESISTANCE AFFECTS THE CARDIAC CONTRIBUTION TO THE RELATIONSHIP BETWEEN BLOOD PRESSURE AND PIAL ARTERY PULSATION OSCILLATIONS. Journal of Hypertension, 2016, 34, e222.	0.3	0