

Sergey Podtaev

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

279
citations

1040056

9
h-index

940533

16
g-index

21
all docs

21
docs citations

21
times ranked

222
citing authors

#	ARTICLE	IF	CITATIONS
1	Sample size determination in the laser-Doppler measurements of skin blood flow. <i>Microvascular Research</i> , 2019, 125, 103883.	2.5	0
2	Recovery of endothelial function in microvessels in patients with peripheral artery disease (PAD) after conservative and surgery treatment. , 2019, , .		1
3	Wavelet Analysis in Impedance Rheocardiography. , 2018, , 257-269.		1
4	Beat-to-beat cardiovascular hemodynamic parameters based on wavelet spectrogram of impedance data. <i>Biomedical Signal Processing and Control</i> , 2017, 36, 50-56.	5.7	9
5	Local Heating Test for Detection of Microcirculation Abnormalities in Patients with Diabetes-Related Foot Complications. <i>Advances in Skin and Wound Care</i> , 2017, 30, 158-166.	1.0	9
6	Early differential diagnosis of the severity of acute pancreatitis. <i>Journal of Clinical Monitoring and Computing</i> , 2017, 31, 1289-1297.	1.6	6
7	Assessment of cardiac time intervals by wavelet transform of the impedance cardiogram. <i>Technology and Health Care</i> , 2016, 24, S803-S809.	1.2	6
8	Detection of Endothelial Dysfunction Using Skin Temperature Oscillations Analysis During Local Heating in Patients With Peripheral Arterial Disease. <i>Microcirculation</i> , 2016, 23, 406-415.	1.8	12
9	Relationship of oscillating and average components of laser Doppler flowmetry signal. <i>Journal of Biomedical Optics</i> , 2016, 21, 085002.	2.6	11
10	Assessment of Systolic Heart Function by Wavelet Analysis of the Impedance Cardiogram. <i>IFMBE Proceedings</i> , 2016, , 32-35.	0.3	1
11	Skin temperature variations as a tracer of microvessel tone. <i>Biomedical Signal Processing and Control</i> , 2015, 21, 1-7.	5.7	39
12	Quantifying the correlation between photoplethysmography and laser Doppler flowmetry microvascular low-frequency oscillations. <i>Journal of Biomedical Optics</i> , 2015, 20, 037007.	2.6	43
13	Skin blood flow and temperature oscillations during cold pressor test. , 2015, 2015, 7382-5.		7
14	Wavelet-analysis of skin temperature oscillations during local heating for revealing endothelial dysfunction. <i>Microvascular Research</i> , 2015, 97, 109-114.	2.5	27
15	Finger microvascular responses to deep inspiratory gasp assessed and quantified using wavelet analysis. <i>Physiological Measurement</i> , 2013, 34, 769-779.	2.1	12
16	Assessment of endothelial dysfunction in patients with impaired glucose tolerance during a cold pressor test. <i>Diabetes and Vascular Disease Research</i> , 2013, 10, 489-497.	2.0	34
17	Wavelet analysis of the impedance cardiogram waveforms. <i>Journal of Physics: Conference Series</i> , 2012, 407, 012003.	0.4	2
18	Wavelet analysis of bioimpedance data. <i>Journal of Physics: Conference Series</i> , 2010, 224, 012108.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Wavelet-based correlations of impedance cardiography signals and heart rate variability. Journal of Physics: Conference Series, 2010, 224, 012107.	0.4	1
20	Laser-induced skin temperature oscillations. , 2010, , .		0
21	Wavelet-based Correlations of Skin Temperature and Blood Flow Oscillations. Cardiovascular Engineering (Dordrecht, Netherlands), 2008, 8, 185-189.	1.0	57