

# Sergey Podtaev

## List of Publications by Year in descending order

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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	Wavelet-based Correlations of Skin Temperature and Blood Flow Oscillations. Cardiovascular Engineering (Dordrecht, Netherlands), 2008, 8, 185-189.	1.0	57
2	Quantifying the correlation between photoplethysmography and laser Doppler flowmetry microvascular low-frequency oscillations. Journal of Biomedical Optics, 2015, 20, 037007.	2.6	43
3	Skin temperature variations as a tracer of microvessel tone. Biomedical Signal Processing and Control, 2015, 21, 1-7.	5.7	39
4	Assessment of endothelial dysfunction in patients with impaired glucose tolerance during a cold pressor test. Diabetes and Vascular Disease Research, 2013, 10, 489-497.	2.0	34
5	Wavelet-analysis of skin temperature oscillations during local heating for revealing endothelial dysfunction. Microvascular Research, 2015, 97, 109-114.	2.5	27
6	Finger microvascular responses to deep inspiratory gasp assessed and quantified using wavelet analysis. Physiological Measurement, 2013, 34, 769-779.	2.1	12
7	Detection of Endothelial Dysfunction Using Skin Temperature Oscillations Analysis During Local Heating in Patients With Peripheral Arterial Disease. Microcirculation, 2016, 23, 406-415.	1.8	12
8	Relationship of oscillating and average components of laser Doppler flowmetry signal. Journal of Biomedical Optics, 2016, 21, 085002.	2.6	11
9	Beat-to-beat cardiovascular hemodynamic parameters based on wavelet spectrogram of impedance data. Biomedical Signal Processing and Control, 2017, 36, 50-56.	5.7	9
10	Local Heating Test for Detection of Microcirculation Abnormalities in Patients with Diabetes-Related Foot Complications. Advances in Skin and Wound Care, 2017, 30, 158-166.	1.0	9
11	Skin blood flow and temperature oscillations during cold pressor test. , 2015, 2015, 7382-5.		7
12	Assessment of cardiac time intervals by wavelet transform of the impedance cardiogram. Technology and Health Care, 2016, 24, S803-S809.	1.2	6
13	Early differential diagnosis of the severity of acute pancreatitis. Journal of Clinical Monitoring and Computing, 2017, 31, 1289-1297.	1.6	6
14	Wavelet analysis of the impedance cardiogram waveforms. Journal of Physics: Conference Series, 2012, 407, 012003.	0.4	2
15	Wavelet analysis of bioimpedance data. Journal of Physics: Conference Series, 2010, 224, 012108.	0.4	1
16	Wavelet-based correlations of impedance cardiography signals and heart rate variability. Journal of Physics: Conference Series, 2010, 224, 012107.	0.4	1
17	Wavelet Analysis in Impedance Rheocardiography. , 2018, , 257-269.		1
18	Assessment of Systolic Heart Function by Wavelet Analysis of the Impedance Cardiogram. IFMBE Proceedings, 2016, , 32-35.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Recovery of endothelial function in microvessels in patients with peripheral artery disease (PAD) after conservative and surgery treatment. , 2019, , .		1
20	Laser-induced skin temperature oscillations. , 2010, , .		0
21	Sample size determination in the laser-Doppler measurements of skin blood flow. Microvascular Research, 2019, 125, 103883.	2.5	0