

# Wiktor Niewiadomski

## List of Publications by Year in descending order

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44  
papers

819  
citations

687220

13  
h-index

526166

27  
g-index

47  
all docs

47  
docs citations

47  
times ranked

986  
citing authors

#	ARTICLE	IF	CITATIONS
1	Device for Controlling Stimulus Self-Application During Autonomic Nervous System Tests. Medical Devices: Evidence and Research, 2021, Volume 14, 165-172.	0.4	0
2	The Biology and Pathobiology of Glutamatergic, Cholinergic, and Dopaminergic Signaling in the Aging Brain. Frontiers in Aging Neuroscience, 2021, 13, 654931.	1.7	67
3	Tau Oligomers Neurotoxicity. Life, 2021, 11, 28.	1.1	42
4	Compliance of a Cardiovascular System Is Non-linear " Influence on the Relation Between Blood Pressure and an Impedance Cardiography in the Reservoir-Wave Model. IFMBE Proceedings, 2021, , 270-277.	0.2	0
5	BDNF as a Promising Therapeutic Agent in Parkinson's Disease. International Journal of Molecular Sciences, 2020, 21, 1170.	1.8	260
6	Adaptive Filter Removes Variability Caused by Respiration from Impedance Cardiography Signal. IFMBE Proceedings, 2020, , 3-6.	0.2	0
7	Verification of Selected Gait Parameters Derived from Inertial Sensors Using Simple Smartphone Based Optical System. Advances in Intelligent Systems and Computing, 2020, , 87-94.	0.5	1
8	"Patient Station" Telerehabilitation System for People with Parkinson's Disease. IFMBE Proceedings, 2020, , 965-970.	0.2	0
9	Short-Term Hemodynamic Variability in Supine and Tilted Position in Young Men. IFMBE Proceedings, 2020, , 787-792.	0.2	0
10	Impaired hemodynamic response to tilt, handgrip and Valsalva manoeuvre in patients with takotsubo syndrome. Autonomic Neuroscience: Basic and Clinical, 2019, 220, 102555.	1.4	2
11	Neuroplasticity and Neuroprotective Effect of Treadmill Training in the Chronic Mouse Model of Parkinson's Disease. Neural Plasticity, 2019, 2019, 1-14.	1.0	23
12	Exercise-Induced Neuroprotection and Recovery of Motor Function in Animal Models of Parkinson's Disease. Frontiers in Neurology, 2019, 10, 1143.	1.1	52
13	Empirical Mode Decomposition in Analysis of Hemodynamic Response to Static Handgrip. IFMBE Proceedings, 2019, , 469-473.	0.2	0
14	Graphene electrodes for long-term impedance pneumography - a feasibility study. IFMBE Proceedings, 2018, , 514-517.	0.2	1
15	The Quality of Automatic Artifact Identification in Ambulatory Impedance Cardiography Monitoring. IFMBE Proceedings, 2018, , 165-168.	0.2	4
16	Does asthma-like increased breathing load influence impedance pneumography signal?. IFMBE Proceedings, 2018, , 1033-1036.	0.2	0
17	Ambulatory Devices Measuring Cardiorespiratory Activity with Motion. , 2017, , .		10
18	Assessment of calibration methods on impedance pneumography accuracy. Biomedizinische Technik, 2016, 61, 587-593.	0.9	19

#	ARTICLE	IF	CITATIONS
19	Body position classification for cardiorespiratory measurement. , 2016, 2016, 3515-3518.		1
20	The need for noninvasive methods to monitor hemodynamics in hypertension therapy. Hypertension Research, 2016, 39, 293-294.	1.5	1
21	Impact of breathing mechanics, body posture and physique on heart rate variability. Advances in Intelligent Systems and Computing, 2016, , 111-116.	0.5	2
22	Individualization of the parameters of the three-elements Windkessel model using carotid pulse signal. Proceedings of SPIE, 2015, , .	0.8	2
23	Accelerometer recorder and display system for ambulatory patients. , 2015, , .		0
24	Verification of the Respiratory Parameters Derived from Impedance Pneumography during Normal and Deep Breathing in Three Body Postures. IFMBE Proceedings, 2015, , 881-884.	0.2	7
25	Early hemodynamic response to the tilt test in patients with syncope. Archives of Medical Science, 2014, 6, 1078-1085.	0.4	15
26	In aged men, central vessel transmural pressure is reduced by brief Valsalva manoeuvre during strength exercise. Clinical Physiology and Functional Imaging, 2014, 34, 191-198.	0.5	3
27	Computer program for analysis of hemodynamic response to head-up tilt test. , 2014, , .		0
28	Design and construction of the artificial patient module for testing bioimpedance measuring devices. Proceedings of SPIE, 2013, , .	0.8	3
29	The effect of body weight and posture on acceleration of platform vibrating plate. Proceedings of SPIE, 2013, , .	0.8	0
30	Digital stethoscope system: the feasibility of cardiac auscultation. , 2013, , .		1
31	Effects of a brief Valsalva manoeuvre on hemodynamic response to strength exercises. Clinical Physiology and Functional Imaging, 2012, 32, 145-157.	0.5	24
32	Impedance cardiography: Recent advancements. Cardiology Journal, 2012, 19, 550-556.	0.5	43
33	Relationships Between Systolic Time Intervals and Heart Rate During Initial Response to Orthostatic Manoeuvre in Men of Different Age. Journal of Human Kinetics, 2009, 21, 57-64.	0.7	1
34	Determination and Prediction of One Repetition Maximum (1RM): Safety Considerations. Journal of Human Kinetics, 2008, 19, 109-120.	0.7	83
35	Suppression of heart rate variability after supramaximal exertion. Clinical Physiology and Functional Imaging, 2007, 27, 309-319.	0.5	55
36	Signal quality evaluation in Ambulatory Impedance Cardiography. , 2007, , 590-592.		7

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37	Stroke volume and systolic time intervals: Beat-to-beat comparison between echocardiography and ambulatory impedance cardiography in supine and tilted positions. <i>Medical and Biological Engineering and Computing</i> , 2004, 42, 707-711.	1.6	55
38	Cardiovascular response to static handgrip in trained and untrained men. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1991, 62, 337-341.	1.2	3
39	Cardiovascular and sympatho-adrenal responses to static handgrip performed with one and two hands. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1989, 59, 184-188.	1.2	19
40	Dynamics of changes in the cardiovascular response to submaximal exercise during low-intensity endurance training with particular reference to the systolic time intervals. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1989, 59, 377-384.	1.2	6
41	Application of Cardiac Impedance Signal in the Reservoir-Wave Model of Circulatory System in Humans. , 0, , .		1
42	Central Hemodynamic Variability During Sleep in Subjects with and without Atrial Fibrillation. , 0, , .		1
43	Short:term Hemodynamic Variability in Supine and Tilted Position in Young Women. , 0, , .		1
44	Approximate Entropy in Analysis of Cardiovascular Response to Lower Body Negative Pressure Test. , 0, , .		1