Wiktor Niewiadomski

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5371400/publications.pdf

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44	819	687363	526287
papers	citations	13 h-index	27 g-index

47	47	47	986
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	BDNF as a Promising Therapeutic Agent in Parkinsonâ€™s Disease. International Journal of Molecular Sciences, 2020, 21, 1170.	4.1	260
2	Determination and Prediction of One Repetition Maximum (1RM): Safety Considerations. Journal of Human Kinetics, 2008, 19, 109-120.	1.5	83
3	The Biology and Pathobiology of Glutamatergic, Cholinergic, and Dopaminergic Signaling in the Aging Brain. Frontiers in Aging Neuroscience, 2021, 13, 654931.	3.4	67
4	Stroke volume and systolic time intervals: Beat-to-beat comparison between echocardiography and ambulatory impedance cardiography in supine and tilted positions. Medical and Biological Engineering and Computing, 2004, 42, 707-711.	2.8	55
5	Suppression of heart rate variability after supramaximal exertion. Clinical Physiology and Functional Imaging, 2007, 27, 309-319.	1.2	55
6	Exercise-Induced Neuroprotection and Recovery of Motor Function in Animal Models of Parkinson's Disease. Frontiers in Neurology, 2019, 10, 1143.	2.4	52
7	Impedance cardiography: Recent advancements. Cardiology Journal, 2012, 19, 550-556.	1.2	43
8	Tau Oligomers Neurotoxicity. Life, 2021, 11, 28.	2.4	42
9	Effects of a brief Valsalva manoeuvre on hemodynamic response to strength exercises. Clinical Physiology and Functional Imaging, 2012, 32, 145-157.	1.2	24
10	Neuroplasticity and Neuroprotective Effect of Treadmill Training in the Chronic Mouse Model of Parkinsonâ€™s Disease. Neural Plasticity, 2019, 2019, 1-14.	2.2	23
11	Cardiovascular and sympatho-adrenal responses to static handgrip performed with one and two hands. European Journal of Applied Physiology and Occupational Physiology, 1989, 59, 184-188.	1.2	19
12	Assessment of calibration methods on impedance pneumography accuracy. Biomedizinische Technik, 2016, 61, 587-593.	0.8	19
13	Early hemodynamic response to the tilt test in patients with syncope. Archives of Medical Science, 2014, 6, 1078-1085.	0.9	15
14	Ambulatory Devices Measuring Cardiorespiratory Activity with Motion. , 2017, , .		10
15	Verification of the Respiratory Parameters Derived from Impedance Pneumography during Normal and Deep Breathing in Three Body Postures. IFMBE Proceedings, 2015, , 881-884.	0.3	7
16	Signal quality evaluation in Ambulatory Impedance Cardiography. , 2007, , 590-592.		7
17	Dynamics of changes in the cardiovascular response to submaximal exercise during low-intensity endurance training with particular reference to the systolic time intervals. European Journal of Applied Physiology and Occupational Physiology, 1989, 59, 377-384.	1.2	6
18	The Quality of Automatic Artifact Identification in Ambulatory Impedance Cardiography Monitoring. IFMBE Proceedings, 2018, , 165-168.	0.3	4

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19	Cardiovascular response to static handgrip in trained and untrained men. European Journal of Applied Physiology and Occupational Physiology, 1991, 62, 337-341.	1.2	3
20	Design and construction of the artificial patient module for testing bioimpedance measuring devices. Proceedings of SPIE, 2013, , .	0.8	3
21	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.	1.2	3
22	Individualization of the parameters of the three-elements Windkessel model using carotid pulse signal. Proceedings of SPIE, 2015, , .	0.8	2
23	Impaired hemodynamic response to tilt, handgrip and Valsalva manoeuvre in patients with takotsubo syndrome. Autonomic Neuroscience: Basic and Clinical, 2019, 220, 102555.	2.8	2
24	Impact of breathing mechanics, body posture and physique on heart rate variability. Advances in Intelligent Systems and Computing, 2016, , 111-116.	0.6	2
25	Digital stethoscope system: the feasibility of cardiac auscultation. , 2013, , .		1
26	Body position classification for cardiorespiratory measurement. , 2016, 2016, 3515-3518.		1
27	The need for noninvasive methods to monitor hemodynamics in hypertension therapy. Hypertension Research, 2016, 39, 293-294.	2.7	1
28	Application of Cardiac Impedance Signal in the Reservoir-Wave Model of Circulatory System in Humans. , 0, , .		1
29	Central Hemodynamic Variability During Sleep in Subjects with and without Atrial Fibrillation. , 0, , .		1
30	Graphene electrodes for long-term impedance pneumography - a feasibility study. IFMBE Proceedings, 2018, , 514-517.	0.3	1
31	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.	1.5	1
32	Short:term Hemodynamic Variability in Supine and Tilted Position in Young Women. , 0, , .		1
33	Approximate Entropy in Analysis of Cardiovascular Response to Lower Body Negative Pressure Test. , 0, , .		1
34	Verification of Selected Gait Parameters Derived from Inertial Sensors Using Simple Smartphone Based Optical System. Advances in Intelligent Systems and Computing, 2020, , 87-94.	0.6	1
35	The effect of body weight and posture on acceleration of platform vibrating plate. Proceedings of SPIE, 2013, , .	0.8	0
36	Computer program for analysis of hemodynamic response to head-up tilt test. , 2014, , .		0

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37	Accelerometer recorder and display system for ambulatory patients. , 2015, , .		0
38	Device for Controlling Stimulus Self-Application During Autonomic Nervous System Tests. Medical Devices: Evidence and Research, 2021, Volume 14, 165-172.	0.8	0
39	Does asthma-like increased breathing load influence impedance pneumography signal?. IFMBE Proceedings, 2018, , 1033-1036.	0.3	0
40	Empirical Mode Decomposition in Analysis of Hemodynamic Response to Static Handgrip. IFMBE Proceedings, 2019, , 469-473.	0.3	0
41	Adaptive Filter Removes Variability Caused by Respiration from Impedance Cardiography Signal. IFMBE Proceedings, 2020, , 3-6.	0.3	0
42	â€œPatient Stationâ€•â€“ Telerehabilitation System for People with Parkinsonâ€™s Disease. IFMBE Proceedings, 2020, , 965-970.	0.3	0
43	Short-Term Hemodynamic Variability in Supine and Tilted Position in Young Men. IFMBE Proceedings, 2020, , 787-792.	0.3	0
44	Compliance of a Cardiovascular System Is Non-linear â€“ Influence on the Relation Between Blood Pressure and an Impedance Cardiography in the Reservoir-Wave Model. IFMBE Proceedings, 2021, , 270-277.	0.3	0