Gerard Cybulski

List of Publications by Year
in descending order

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55	546	759233 12	677142 22
papers	citations	h-index	g-index

58	58	58	621
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Granger causality test with nonlinear neural-network-based methods: Python package and simulation study. Computer Methods and Programs in Biomedicine, 2022, 216, 106669.	4.7	16
2	Applications and prospects for impedance cardiography: Stationary and ambulatory implementations. , 2021, , 191-219.		0
3	Device for Controlling Stimulus Self-Application During Autonomic Nervous System Tests. Medical Devices: Evidence and Research, 2021, Volume 14, 165-172.	0.8	0
4	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
5	Short-Term Hemodynamic Variability in Supine and Tilted Position in Young Men. IFMBE Proceedings, 2020, , 787-792.	0.3	0
6	Cardiorespiratory profiling during simulated lunar mission using impedance pneumography. Biomedical Signal Processing and Control, 2019, 51, 216-221.	5.7	5
7	Empirical Mode Decomposition in Analysis of Hemodynamic Response to Static Handgrip. IFMBE Proceedings, 2019, , 469-473.	0.3	0
8	Motion artifact detection in respiratory signals based on Teager energy operator and accelerometer signals. IFMBE Proceedings, 2018, , 45-48.	0.3	2
9	Graphene electrodes for long-term impedance pneumography - a feasibility study. IFMBE Proceedings, 2018, , 514-517.	0.3	1
10	The Quality of Automatic Artifact Identification in Ambulatory Impedance Cardiography Monitoring. IFMBE Proceedings, 2018, , 165-168.	0.3	4
11	Does asthma-like increased breathing load influence impedance pneumography signal?. IFMBE Proceedings, 2018, , 1033-1036.	0.3	0
12	Decomposition of the Cardiac and Respiratory Components from Impedance Pneumography Signals. , 2017, , .		6
13	Ambulatory Devices Measuring Cardiorespiratory Activity with Motion. , 2017, , .		10
14	Assessment of calibration methods on impedance pneumography accuracy. Biomedizinische Technik, 2016, 61, 587-593.	0.8	19
15	Body position classification for cardiorespiratory measurement. , 2016, 2016, 3515-3518.		1
16	The need for noninvasive methods to monitor hemodynamics in hypertension therapy. Hypertension Research, 2016, 39, 293-294.	2.7	1
17	Impact of breathing mechanics, body posture and physique on heart rate variability. Advances in Intelligent Systems and Computing, 2016, , 111-116.	0.6	2
18	Dependence of sleep apnea detection efficiency on the length of ECG recording. Advances in Intelligent Systems and Computing, 2016, , 117-122.	0.6	0

#	Article	IF	Citations
19	New indices for sleep apnea detection from long-time ECG recordings. , 2015, , .		3
20	Automatic cough episode detection using a vibroacoustic sensor. , 2015, 2015, 2808-11.		5
21	Individualization of the parameters of the three-elements Windkessel model using carotid pulse signal. Proceedings of SPIE, 2015, , .	0.8	2
22	Analyzing non-respiratory movements of the chest: methods and devices. , 2015, , .		0
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.	0.3	7
25	Early hemodynamic response to the tilt test in patients with syncope. Archives of Medical Science, 2014, 6, 1078-1085.	0.9	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.	1.2	3
27	Computer program for analysis of impedance cardiography signals enabling manual correction of points detected automatically. Proceedings of SPIE, 2014, , .	0.8	0
28	Computer program for analysis of hemodynamic response to head-up tilt test. , 2014, , .		0
29	Ankle Brachial Index: simple non-invasive estimation of peripheral artery disease. , 2014, , .		0
30	Design and construction of the artificial patient module for testing bioimpedance measuring devices. Proceedings of SPIE, 2013, , .	0.8	3
31	The effect of body weight and posture on acceleration of platform vibrating plate. Proceedings of SPIE, 2013, , .	0.8	0
32	Digital stethoscope system: the feasibility of cardiac auscultation. , 2013, , .		1
33	Impedance pneumography: Is it possible?. , 2012, , .		8
34	Effects of a brief Valsalva manoeuvre on hemodynamic response to strength exercises. Clinical Physiology and Functional Imaging, 2012, 32, 145-157.	1.2	24
35	Cardiovascular and hormonal responses to static handgrip in young and older healthy men. European Journal of Applied Physiology, 2012, 112, 1315-1325.	2.5	24
36	Impedance cardiography: Recent advancements. Cardiology Journal, 2012, 19, 550-556.	1.2	43

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37	Ambulatory Impedance Cardiography. Lecture Notes in Electrical Engineering, 2011, , 39-56.	0.4	16
38	Validation of the Ambulatory Impedance Cardiography Method. Lecture Notes in Electrical Engineering, 2011, , 57-71.	0.4	2
39	Impedance Cardiography. Lecture Notes in Electrical Engineering, 2011, , 7-37.	0.4	7
40	Clinical and Physiological Applications of Impedance Cardiography Ambulatory Monitoring. Lecture Notes in Electrical Engineering, 2011, , 73-98.	0.4	0
41	Ambulatory Impedance Cardiography. Lecture Notes in Electrical Engineering, 2011, , .	0.4	34
42	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
43	Determination and Prediction of One Repetition Maximum (1RM): Safety Considerations. Journal of Human Kinetics, 2008, 19, 109-120.	1.5	83
44	Suppression of heart rate variability after supramaximal exertion. Clinical Physiology and Functional Imaging, 2007, 27, 309-319.	1.2	55
45	Signal quality evaluation in Ambulatory Impedance Cardiography. , 2007, , 590-592.		7
46	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
47	Holter-type impedance cardiography device. A system for continuous and non-invasive monitoring of cardiac haemodynamics. Kardiologia Polska, 2004, 61, 138-46.	0.6	7
48	Letter to the Editor. Journal of Applied Physiology, 2000, 88, 1509-1510.	2.5	13
49	Influence of age on the immediate cardiovascular response to orthostatic manoeuvre. European Journal of Applied Physiology and Occupational Physiology, 1996, 73, 563-572.	1.2	13
50	Noninvasive determination of local wavespeed and distensibility of the femoral artery by comb-excited Fourier velocity-encoded magnetic resonance imaging: Measurements on athletic and nonathletic human subjects. Heart and Vessels, 1994, 9, 194-201.	1.2	15
51	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
52	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
53	Application of Cardiac Impedance Signal in the Reservoir-Wave Model of Circulatory System in Humans. , 0, , .		1
54	Central Hemodynamic Variability During Sleep in Subjects with and without Atrial Fibrillation. , 0, , .		1

#	Article	IF	Citations
55	Short:term Hemodynamic Variability in Supine and Tilted Position in Young Women. , 0, , .		1