

Alberto Porta

List of Publications by Year in descending order

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Version: 2024-02-01

385
papers

14,659
citations

18436

62
h-index

26548

107
g-index

393
all docs

393
docs citations

393
times ranked

8304
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic cerebrovascular autoregulation in patients prone to postural syncope: Comparison of techniques assessing the autoregulation index from spontaneous variability series. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2022, 237, 102920.	1.4	16
2	Effects of a cool classroom microclimate on cardiac autonomic control and cognitive performances in undergraduate students. <i>Science of the Total Environment</i> , 2022, 808, 152005.	3.9	2
3	Categorizing the Role of Respiration in Cardiovascular and Cerebrovascular Variability Interactions. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 2065-2076.	2.5	14
4	Monitoring the Evolution of Asynchrony between Mean Arterial Pressure and Mean Cerebral Blood Flow via Cross-Entropy Methods. <i>Entropy</i> , 2022, 24, 80.	1.1	9
5	Improvement of Sympathovagal Balance by Regular Exercise May Counteract the Ageing Process. A Study by the Analysis of QT Variability. <i>Frontiers in Physiology</i> , 2022, 13, 880250.	1.3	1
6	Exploring metrics for the characterization of the cerebral autoregulation during head-up tilt and propofol general anesthesia. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2022, 242, 103011.	1.4	3
7	Cardiorespiratory coupling strength in athletes and non-athletes. <i>Respiratory Physiology and Neurobiology</i> , 2022, 305, 103943.	0.7	7
8	Complexity of Knee Extensor Torque: Effect of Aging and Contraction Intensity. <i>Journal of Strength and Conditioning Research</i> , 2021, 35, 1050-1057.	1.0	9
9	Lack of association between heart period variability asymmetry and respiratory sinus arrhythmia in healthy and chronic heart failure individuals. <i>PLoS ONE</i> , 2021, 16, e0247145.	1.1	7
10	Ten-year follow-up of cardiac function and neural regulation in a group of amateur half-marathon runners. <i>Open Heart</i> , 2021, 8, e001561.	0.9	2
11	Analysis of Heart-Rate Variability during Angioedema Attacks in Patients with Hereditary C1-Inhibitor Deficiency. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 2900.	1.2	2
12	Symbolic Analysis of the Heart Rate Variability During the Plateau Phase Following Maximal Sprint Exercise. <i>Frontiers in Physiology</i> , 2021, 12, 632883.	1.3	11
13	How the first years of motherhood impact the cardiac autonomic profile of female healthcare professionals: a study by heart rate variability analysis. <i>Scientific Reports</i> , 2021, 11, 8161.	1.6	8
14	Impact of propofol general anesthesia on cardiovascular and cerebrovascular closed loop variability interactions. <i>Biomedical Signal Processing and Control</i> , 2021, 68, 102735.	3.5	9
15	Autonomic dysfunction and heart rate variability with Holter monitoring: a diagnostic look at autonomic regulation. <i>Herzschrittmachertherapie Und Elektrophysiologie</i> , 2021, 32, 315-319.	0.3	12
16	Transdermal auricular vagus stimulation for the treatment of postural tachycardia syndrome. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2021, 236, 102886.	1.4	17
17	Information decomposition in the frequency domain: a new framework to study cardiovascular and cardiorespiratory oscillations. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200250.	1.6	10
18	Extending the spectral decomposition of Granger causality to include instantaneous influences: application to the control mechanisms of heart rate variability. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200263.	1.6	5

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19	Effects of Algorithmic Music on the Cardiovascular Neural Control. Journal of Personalized Medicine, 2021, 11, 1084.	1.1	4
20	Optimizing phase variability threshold for automated synchrogram analysis of cardiorespiratory interactions in amateur cyclists. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200251.	1.6	10
21	Working in the Office and Smart Working Differently Impact on the Cardiac Autonomic Control. , 2021, , .		3
22	Correlation Between Baroreflex Sensitivity and Cerebral Autoregulation Index in Healthy Subjects. , 2021, , .		3
23	Causal Analysis Is Needed to Evaluate Cardiorespiratory Interaction Alterations in Postural Orthostatic Tachycardia Syndrome Patients. , 2021, , .		1
24	Transfer Function Gain Between Heart Period and QT Variabilities Increases During Sympathetic Activation Induced by Head-up Tilt. , 2021, , .		0
25	The Magnitude of the Postural Challenge Impacts on the Exponential Decay of the Baroreflex Impulse Response. , 2021, , .		0
26	Gender Differences in Short-Term Multiscale Complexity of the Heart Rate Variability. , 2021, , .		1
27	Assessing Correlation between Heart Rate Variability Markers Based on Laguerre Expansion and Direct Measures of Sympathetic Activity during Incremental Head-up Tilt. , 2021, 2021, 5411-5414.		1
28	Respiration is a Confounder of the Closed Loop Relationship Between Mean Arterial Pressure and Mean Cerebral Blood Flow. , 2021, 2021, 5403-5406.		0
29	Relationships Between Cardiovascular Autonomic Profile and Work Ability in Patients With Pure Autonomic Failure. Frontiers in Human Neuroscience, 2021, 15, 761501.	1.0	2
30	Complexity of knee extensor torque in patients with frailty syndrome: a cross-sectional study. Brazilian Journal of Physical Therapy, 2020, 24, 30-38.	1.1	8
31	Acute effect of photobiomodulation using light-emitting diodes (LEDs) on baroreflex sensitivity during and after constant loading exercise in patients with type 2 diabetes mellitus. Lasers in Medical Science, 2020, 35, 329-336.	1.0	2
32	Cardiovascular responses to low-intensity isometric handgrip exercise in coronary artery disease: effects of posture. Brazilian Journal of Physical Therapy, 2020, 24, 449-457.	1.1	1
33	Strength and Latency of Mean Cerebral Blood Flow Velocity and Mean Arterial Pressure Coupling during Propofol General Anesthesia in Subjects Undergoing Coronary Artery Bypass Graft. , 2020, , .		1
34	Long-term power spectral analysis in angioedema: proposal of a translational approach. , 2020, , .		0
35	An Empirical Mode Decomposition Approach to Assess the Strength of Heart Period-Systolic Arterial Pressure Variability Interactions. , 2020, 2020, 2573-2576.		1
36	Cardiovascular Coupling during Postural Challenge in Athletes and Non-Athletes. , 2020, , .		0

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37	On the Utility of Increasing the Number of Matches in Computing Sample Entropy over Short Cardiovascular Variability Series. , 2020, , .		0
38	Are Strategies Favoring Pattern Matching a Viable Way to Improve Complexity Estimation Based on Sample Entropy?. Entropy, 2020, 22, 724.	1.1	4
39	Comparison of symbolization strategies for complexity assessment of spontaneous variability in individuals with signs of cardiovascular control impairment. Biomedical Signal Processing and Control, 2020, 62, 102128.	3.5	5
40	Effect of a Cool Classroom Microclimate on Symbolic Indexes of Cardiac Autonomic Control and Cognitive Performances in Undergraduate Students. , 2020, , .		2
41	Complexity and Nonlinearities of Short-Term Cardiovascular and Cerebrovascular Controls after Surgical Aortic Valve Replacement. , 2020, 2020, 2569-2572.		1
42	Cardiovascular Autonomic Control during Respiratory Paced Hypnosis. , 2020, , .		1
43	Do Respiratory Sinus Arrhythmia and Respiratory Phase Durations Impact Heart Rate Variability Asymmetry in Healthy Subjects?. , 2020, , .		0
44	Is pelvic floor muscle training able to alter the response of cardiovascular autonomic modulation and provide a possible cardiovascular benefit to pregnant women?. Neurourology and Urodynamics, 2020, 39, 2272-2283.	0.8	3
45	Effects of Inspiratory Muscle Training and Postural Challenge on Cardiorespiratory Coupling in Amateur Athletes. , 2020, , .		1
46	Work Ability Assessment and Its Relationship with Cardiovascular Autonomic Profile in Postural Orthostatic Tachycardia Syndrome. International Journal of Environmental Research and Public Health, 2020, 17, 7836.	1.2	13
47	Autonomic Control of the Heart and Its Clinical Impact. A Personal Perspective. Frontiers in Physiology, 2020, 11, 582.	1.3	26
48	A Transfer Entropy Approach for the Assessment of the Impact of Inspiratory Muscle Training on the Cardiorespiratory Coupling of Amateur Cyclists. Frontiers in Physiology, 2020, 11, 134.	1.3	19
49	Non-linear analysis of the heart rate variability in characterization of manic and euthymic phases of bipolar disorder. Journal of Affective Disorders, 2020, 275, 136-144.	2.0	5
50	Complexity analysis of heart rate variability in chronic obstructive pulmonary disease: relationship with severity and symptoms. Clinical Autonomic Research, 2020, 30, 157-164.	1.4	7
51	Postoperative Modifications of Cardiovascular Control and Baroreflex Sensitivity in Patients Undergoing Surgical Aortic Valve Replacement. , 2020, , .		2
52	Evaluation of the impact of surgical aortic valve replacement on short-term cardiovascular and cerebrovascular controls through spontaneous variability analysis. PLoS ONE, 2020, 15, e0243869.	1.1	9
53	On the Relevance of Computing a Local Version of Sample Entropy in Cardiovascular Control Analysis. IEEE Transactions on Biomedical Engineering, 2019, 66, 623-631.	2.5	35
54	Cardiac baroreflex hysteresis is one of the determinants of the heart period variability asymmetry. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2019, 317, R539-R551.	0.9	19

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55	Refined Multiscale Entropy Using Fuzzy Metrics: Validation and Application to Nociception Assessment. <i>Entropy</i> , 2019, 21, 706.	1.1	4
56	Comparison of Causal and Non-causal Strategies for the Assessment of Baroreflex Sensitivity in Predicting Acute Kidney Dysfunction After Coronary Artery Bypass Grafting. <i>Frontiers in Physiology</i> , 2019, 10, 1319.	1.3	16
57	Assessing Synergy/Redundancy of Baroreflex and Non-Baroreflex Components of the Cardiac Control during Sleep. , 2019, 2019, 4953-4956.		0
58	Effects of inspiratory muscle-training intensity on cardiovascular control in amateur cyclists. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 317, R891-R902.	0.9	12
59	Effects of Prolonged Head-Down Bed Rest on Cardiac and Vascular Baroreceptor Modulation and Orthostatic Tolerance in Healthy Individuals. <i>Frontiers in Physiology</i> , 2019, 10, 1061.	1.3	35
60	Autonomic Abnormalities in Patients With Primary Sjogrenâ€™s Syndrome â€“ Preliminary Results. <i>Frontiers in Physiology</i> , 2019, 10, 1104.	1.3	9
61	Cardiac and Vascular Sympathetic Baroreflex Control during Orthostatic Pre-Syncope. <i>Journal of Clinical Medicine</i> , 2019, 8, 1434.	1.0	26
62	Repolarization variability independent of heart rate during sympathetic activation elicited by head-up tilt. <i>Medical and Biological Engineering and Computing</i> , 2019, 57, 1753-1762.	1.6	8
63	Cardiovascular autonomic modulation and baroreflex control in the second trimester of pregnancy: A cross sectional study. <i>PLoS ONE</i> , 2019, 14, e0216063.	1.1	5
64	Can strenuous exercise harm the heart? Insights from a study of cardiovascular neural regulation in amateur triathletes. <i>PLoS ONE</i> , 2019, 14, e0216567.	1.1	14
65	Causality analysis reveals the link between cerebrovascular control and acute kidney dysfunction after coronary artery bypass grafting. <i>Physiological Measurement</i> , 2019, 40, 064006.	1.2	14
66	Information-domain method for the quantification of the complexity of the sympathetic baroreflex regulation in healthy subjects and amyotrophic lateral sclerosis patients. <i>Physiological Measurement</i> , 2019, 40, 034004.	1.2	4
67	Short-term multiscale complexity analysis of cardiovascular variability improves low cardiac output syndrome risk stratification after coronary artery bypass grafting. <i>Physiological Measurement</i> , 2019, 40, 044001.	1.2	3
68	The additional impact of type 2 diabetes on baroreflex sensitivity of coronary artery disease patients might be undetectable in presence of deterioration of mechanical vascular properties. <i>Medical and Biological Engineering and Computing</i> , 2019, 57, 1405-1415.	1.6	3
69	Baroreflex sensitivity in frailty syndrome. <i>Brazilian Journal of Medical and Biological Research</i> , 2019, 52, e8079.	0.7	8
70	Characterization of the Asymmetry of the Cardiac and Sympathetic Arms of the Baroreflex From Spontaneous Variability During Incremental Head-Up Tilt. <i>Frontiers in Physiology</i> , 2019, 10, 342.	1.3	19
71	Effects of different classroom temperatures on cardiac autonomic control and cognitive performances in undergraduate students. <i>Physiological Measurement</i> , 2019, 40, 054005.	1.2	26
72	Assessment of the Coupling Strength of Cardiovascular Control via Joint Symbolic Analysis during Postural Challenge in Recreational Athletes. , 2019, 2019, 2011-2014.		1

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73	Strength and Latency of the HP-SAP Closed Loop Variability Interactions in Subjects Prone to Develop Postural Syncope*. , 2019, 2019, 2003-2006.		1
74	Comparison of methods for the assessment of nonlinearity in short-term heart rate variability under different physiopathological states. Chaos, 2019, 29, 123114.	1.0	38
75	Mechanical somatosensory stimulation decreases blood pressure in patients with Parkinson's disease. Journal of Hypertension, 2019, 37, 1714-1721.	0.3	9
76	Concomitant Evaluation of Heart Period and QT Interval Variability Spectral Markers to Typify Cardiac Control in Humans and Rats. Frontiers in Physiology, 2019, 10, 1478.	1.3	14
77	Effects of light-emitting diode therapy (LEDT) on cardiopulmonary and hemodynamic adjustments during aerobic exercise and glucose levels in patients with diabetes mellitus: A randomized, crossover, double-blind and placebo-controlled clinical trial. Complementary Therapies in Medicine, 2019, 42, 178-183.	1.3	16
78	Editorial: Probing the Cardiac Arm of the Baroreflex and Complementary Branches. Frontiers in Neuroscience, 2019, 13, 1422.	1.4	5
79	Evaluation of Cardiac Autonomic Modulation Using Symbolic Dynamics After Cardiac Transplantation. Brazilian Journal of Cardiovascular Surgery, 2019, 34, 572-580.	0.2	2
80	Model-based directional analysis of cardiovascular variability identifies patients developing atrial fibrillation after coronary artery bypass grafting. International Journal of Cardiology, 2018, 258, 97-102.	0.8	13
81	Separating arterial pressure increases and decreases in assessing cardiac baroreflex sensitivity via sequence and bivariate phase-rectified signal averaging techniques. Medical and Biological Engineering and Computing, 2018, 56, 1241-1252.	1.6	19
82	Univariate and multivariate conditional entropy measures for the characterization of short-term cardiovascular complexity under physiological stress. Physiological Measurement, 2018, 39, 014002.	1.2	31
83	Paced Breathing Increases the Redundancy of Cardiorespiratory Control in Healthy Individuals and Chronic Heart Failure Patients. Entropy, 2018, 20, 949.	1.1	14
84	Multiscale Complexity Analysis of Short QT Interval Variability Series Stratifies the Arrhythmic Risk of Long QT Syndrome Type 1 Patients. , 2018, , .		1
85	Comparison of Different Strategies to Assess Cardiac Baroreflex Sensitivity Based on Transfer Function Technique in Patients Undergoing General Anesthesia. , 2018, 2018, 2780-2783.		0
86	Short-Term Model-Based Multiscale Complexity Analysis of Cardiac Control Provides Complementary Information to Single-Scale Approaches. , 2018, 2018, 4848-4851.		2
87	Multiscale Decomposition of Cardiovascular and Cardiorespiratory Information Transfer under General Anesthesia*. , 2018, 2018, 4607-4610.		4
88	Optimization of Vagal Stimulation Protocol Based on Spontaneous Breathing Rate. Frontiers in Physiology, 2018, 9, 1341.	1.3	5
89	On the relevance of symbolizing heart rate variability by means of a percentile-based coarse graining approach. Physiological Measurement, 2018, 39, 105010.	1.2	6
90	Comparison between probabilistic and Wienerâ€™Granger causality in assessing modifications of the cardiac baroreflex control with age. Physiological Measurement, 2018, 39, 104004.	1.2	6

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91	Influence of age and gender on the phase and strength of the relation between heart period and systolic blood pressure spontaneous fluctuations. <i>Journal of Applied Physiology</i> , 2018, 124, 791-804.	1.2	34
92	Cardiovascular autonomic profile in women with constitutional hypotension. <i>Journal of Hypertension</i> , 2018, 36, 2068-2076.	0.3	8
93	Peripheral Resistance Baroreflex During Incremental Bicycle Ergometer Exercise: Characterization and Correlation With Cardiac Baroreflex. <i>Frontiers in Physiology</i> , 2018, 9, 688.	1.3	22
94	Association between autonomic control indexes and mortality in subjects admitted to intensive care unit. <i>Scientific Reports</i> , 2018, 8, 3486.	1.6	18
95	Quantifying Net Synergy/Redundancy of Spontaneous Variability Regulation via Predictability and Transfer Entropy Decomposition Frameworks. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 2628-2638.	2.5	15
96	Mechanical ventilatory modes and cardioventilatory phase synchronization in acute respiratory failure patients. <i>Physiological Measurement</i> , 2017, 38, 895-911.	1.2	18
97	Assessing the evolution of redundancy/synergy of spontaneous variability regulation with age. <i>Physiological Measurement</i> , 2017, 38, 940-958.	1.2	14
98	Cerebrovascular and cardiovascular variability interactions investigated through conditional joint transfer entropy in subjects prone to postural syncope. <i>Physiological Measurement</i> , 2017, 38, 976-991.	1.2	38
99	Nonlinearities of heart rate variability in animal models of impaired cardiac control: contribution of different time scales. <i>Journal of Applied Physiology</i> , 2017, 123, 344-351.	1.2	30
100	Recent advances in physiological oscillations. <i>Physiological Measurement</i> , 2017, 38, E1-E7.	1.2	7
101	Assessing the strength of cardiac and sympathetic baroreflex controls via transfer entropy during orthostatic challenge. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160290.	1.6	16
102	A network physiology approach to the assessment of the link between sinoatrial and ventricular cardiac controls. <i>Physiological Measurement</i> , 2017, 38, 1472-1489.	1.2	18
103	Linear and nonlinear analysis of postural control in frailty syndrome. <i>Brazilian Journal of Physical Therapy</i> , 2017, 21, 184-191.	1.1	11
104	Different estimation methods of spontaneous baroreflex sensitivity have different predictive value in heart failure patients. <i>Journal of Hypertension</i> , 2017, 35, 1666-1675.	0.3	43
105	Reference values of heart rate variability. <i>Heart Rhythm</i> , 2017, 14, 302-303.	0.3	24
106	Comparison between spectral analysis and symbolic dynamics for heart rate variability analysis in the rat. <i>Scientific Reports</i> , 2017, 7, 8428.	1.6	49
107	Assessing multiscale complexity of short heart rate variability series through a model-based linear approach. <i>Chaos</i> , 2017, 27, 093901.	1.0	18
108	Information Decomposition: A Tool to Dissect Cardiovascular and Cardiorespiratory Complexity. , 2017, , 87-113.		2

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109	Altered Nocturnal Cardiovascular Control in Children With Sleep-Disordered Breathing. <i>Sleep</i> , 2017, 40, .	0.6	8
110	Pulse photoplethysmographic amplitude and heart rate variability during laparoscopic cholecystectomy. <i>European Journal of Anaesthesiology</i> , 2017, 34, 526-533.	0.7	6
111	Are Nonlinear Model-Free Conditional Entropy Approaches for the Assessment of Cardiac Control Complexity Superior to the Linear Model-Based One?. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 1287-1296.	2.5	47
112	Towards the identification of subjects prone to develop atrial fibrillation after coronary artery bypass graft surgery via univariate and multivariate complexity analysis of heart period variability. , 2017, 2017, 3126-3129.		0
113	Evaluating the association between cardiac and peripheral resistance arms of the baroreflex. , 2017, 2017, 3114-3117.		1
114	Effects of laparoscopic radical prostatectomy on intraoperative autonomic nervous system control of hemodynamics. <i>Minerva Anestesiologica</i> , 2017, 83, 1265-1273.	0.6	8
115	Information Decomposition in Multivariate Systems: Definitions, Implementation and Application to Cardiovascular Networks. <i>Entropy</i> , 2017, 19, 5.	1.1	58
116	Efficient Computation of Multiscale Entropy over Short Biomedical Time Series Based on Linear State-Space Models. <i>Complexity</i> , 2017, 2017, 1-13.	0.9	48
117	Heart rate variability in multibacillar leprosy: Linear and nonlinear analysis. <i>PLoS ONE</i> , 2017, 12, e0180677.	1.1	3
118	Baroreflex sensitivity and outcomes following coronary surgery. <i>PLoS ONE</i> , 2017, 12, e0175008.	1.1	26
119	Comparison between Cardiac Baroreflex Sensitivity Estimates Derived from Sequence and Phase Rectified Signal Averaging Techniques During Head-up Tilt. , 2017, , .		0
120	The degree of cardiac baroreflex involvement during active standing is associated with the quality of life in fibromyalgia patients. <i>PLoS ONE</i> , 2017, 12, e0179500.	1.1	6
121	Cardiovascular coupling during graded postural challenge: comparison between linear tools and joint symbolic analysis. <i>Brazilian Journal of Physical Therapy</i> , 2016, 20, 461-470.	1.1	17
122	Assessment of Nociceptive Responsiveness Levels during Sedation-Analgesia by Entropy Analysis of EEG. <i>Entropy</i> , 2016, 18, 103.	1.1	9
123	Simultaneous Characterization of Sympathetic and Cardiac Arms of the Baroreflex through Sequence Techniques during Incremental Head-Up Tilt. <i>Frontiers in Physiology</i> , 2016, 7, 438.	1.3	51
124	Multiscale entropy analysis of heart rate variability in heart failure, hypertensive, and sinoaortic-denervated rats: classical and refined approaches. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R150-R156.	0.9	40
125	Towards a more accurate analysis of respiratory sinus arrhythmia during sleep. <i>Sleep Medicine</i> , 2016, 23, 125.	0.8	0
126	An Information-Theoretic Framework to Map the Spatiotemporal Dynamics of the Scalp Electroencephalogram. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 2488-2496.	2.5	18

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127	Nonlinear effects of respiration on the crosstalk between cardiovascular and cerebrovascular control systems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150179.	1.6	40
128	Predictability decomposition detects the impairment of brain-heart dynamical networks during sleep disorders and their recovery with treatment. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150177.	1.6	31
129	Cardiovascular interactions assessed via conditional joint transfer entropy in patients developing atrial fibrillation after coronary artery bypass graft surgery. , 2016, 2016, 2937-2940.		2
130	Comparison between K-nearest-neighbor approaches for conditional entropy estimation: Application to the assessment of the cardiac control in amyotrophic lateral sclerosis patients. , 2016, 2016, 2933-2936.		0
131	Calibrated variability of muscle sympathetic nerve activity during graded head-up tilt in humans and its link with noradrenaline data and cardiovascular rhythms. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R1134-R1143.	0.9	43
132	Effects of ECG sampling rate on QT interval variability measurement. <i>Biomedical Signal Processing and Control</i> , 2016, 25, 159-164.	3.5	19
133	Wiener-Granger Causality in Network Physiology With Applications to Cardiovascular Control and Neuroscience. <i>Proceedings of the IEEE</i> , 2016, 104, 282-309.	16.4	131
134	Biomedical Signal Processing: From a Conceptual Framework to Clinical Applications [Scanning the Issue]. <i>Proceedings of the IEEE</i> , 2016, 104, 220-222.	16.4	12
135	QT interval variability in body surface ECG: measurement, physiological basis, and clinical value: position statement and consensus guidance endorsed by the European Heart Rhythm Association jointly with the ESC Working Group on Cardiac Cellular Electrophysiology. <i>Europace</i> , 2016, 18, 925-944.	0.7	186
136	Effect of variations of the complexity of the target variable on the assessment of Wiener-Granger causality in cardiovascular control studies. <i>Physiological Measurement</i> , 2016, 37, 276-290.	1.2	14
137	Aerobic exercise improves cardiac autonomic modulation in women with polycystic ovary syndrome. <i>International Journal of Cardiology</i> , 2016, 202, 356-361.	0.8	19
138	Cardiovascular Variability Analysis and Baroreflex Estimation in Patients with Type 2 Diabetes in Absence of Any Manifest Neuropathy. <i>PLoS ONE</i> , 2016, 11, e0148903.	1.1	32
139	Time, frequency and information domain analysis of heart period and QT variability in asymptomatic long QT syndrome type 2 patients. , 2015, 2015, 294-7.		1
140	Evaluation of the correlation between cardiac and sympathetic baroreflex sensitivity before orthostatic syncope. , 2015, 2015, 2063-6.		5
141	Evaluation of acute effect of light-emitting diode (LED) phototherapy on muscle deoxygenation and pulmonary oxygen uptake kinetics in patients with diabetes mellitus: study protocol for a randomized controlled trial. <i>Trials</i> , 2015, 16, 572.	0.7	4
142	Algorithms for the inference of causality in dynamic processes: Application to cardiovascular and cerebrovascular variability. , 2015, 2015, 1789-92.		4
143	Conditional Self-Entropy and Conditional Joint Transfer Entropy in Heart Period Variability during Graded Postural Challenge. <i>PLoS ONE</i> , 2015, 10, e0132851.	1.1	49
144	Complexity analyses show two distinct types of nonlinear dynamics in short heart period variability recordings. <i>Frontiers in Physiology</i> , 2015, 6, 71.	1.3	15

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145	Disentangling cardiovascular control mechanisms during head-down tilt via joint transfer entropy and self-entropy decompositions. <i>Frontiers in Physiology</i> , 2015, 6, 301.	1.3	29
146	A Refined Multiscale Self-Entropy Approach for the Assessment of Cardiac Control Complexity: Application to Long QT Syndrome Type 1 Patients. <i>Entropy</i> , 2015, 17, 7768-7785.	1.1	4
147	Cardiovascular parameters and neural sympathetic discharge variability before orthostatic syncope: role of sympathetic baroreflex control to the vessels. <i>Physiological Measurement</i> , 2015, 36, 633-641.	1.2	27
148	A percentile-based coarse graining approach is helpful in symbolizing heart rate variability during graded head-up tilt. , 2015, 2015, 286-9.		2
149	General anesthesia reduces the information exchange between heart and circulation. , 2015, 2015, 4029-32.		4
150	Wiener-Granger causality in QT-HP variability interactions. , 2015, 2015, 1781-4.		0
151	Cardiovascular control indexes in amyotrophic lateral sclerosis patients and their relation with clinical markers. , 2015, 2015, 2055-8.		4
152	Redundant and synergistic information transfer in cardiovascular and cardiorespiratory variability. , 2015, 2015, 4033-6.		4
153	Enhancing dynamical signatures of complex systems through symbolic computation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140099.	1.6	27
154	Autonomic Control of Heart Rate and QT Interval Variability Influences Arrhythmic Risk in Long QT Syndrome Type 1. <i>Journal of the American College of Cardiology</i> , 2015, 65, 367-374.	1.2	70
155	Symbolic transformations of heart rate variability preserve information about cardiac autonomic control. <i>Physiological Measurement</i> , 2015, 36, 643-657.	1.2	20
156	Information Decomposition in Bivariate Systems: Theory and Application to Cardiorespiratory Dynamics. <i>Entropy</i> , 2015, 17, 277-303.	1.1	105
157	Cardiac autonomic modulation, C-reactive protein or telomere length: Which of these variables has greater importance to aging?. <i>International Journal of Cardiology</i> , 2015, 178, 79-81.	0.8	8
158	Bridging the gap between the development of advanced biomedical signal processing tools and clinical practice. <i>Physiological Measurement</i> , 2015, 36, 627-631.	1.2	0
159	Limits of permutation-based entropies in assessing complexity of short heart period variability. <i>Physiological Measurement</i> , 2015, 36, 755-765.	1.2	23
160	Cardiovascular neural regulation is impaired in amyotrophic lateral sclerosis patients. A study by spectral and complexity analysis of cardiovascular oscillations. <i>Physiological Measurement</i> , 2015, 36, 659-670.	1.2	26
161	Univariate and bivariate symbolic analyses of cardiovascular variability differentiate general anesthesia procedures. <i>Physiological Measurement</i> , 2015, 36, 715-726.	1.2	8
162	Symbolic dynamics to discriminate healthy and ischaemic dilated cardiomyopathy populations: an application to the variability of heart period and QT interval. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140092.	1.6	4

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163	Cardiovascular control in women with fibromyalgia syndrome: do causal methods provide nonredundant information compared with more traditional approaches?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 309, R79-R84.	0.9	14
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