Rico Schroeder

List of Publications by Year
in descending order

34 papers	1,297 citations	623734 14 h-index	580821 25 g-index
34 all docs	34 docs citations	34 times ranked	1611 citing authors

#	Article	IF	Citations
1	Methods derived from nonlinear dynamics for analysing heart rate variability. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 277-296.	3.4	435
2	Short-Term Heart Rate Variabilityâ€"Influence of Gender and Age in Healthy Subjects. PLoS ONE, 2015, 10, e0118308.	2.5	307
3	Short-term heart rate variabilityâ€"age dependence in healthy subjects. Physiological Measurement, 2012, 33, 1289-1311.	2.1	90
4	Comparison of nonlinear methods symbolic dynamics, detrended fluctuation, and PoincarÃ© plot analysis in risk stratification in patients with dilated cardiomyopathy. Chaos, 2007, 17, 015120.	2.5	65
5	Segmented PoincarÃ© Plot Analysis for Risk Stratification in Patients with Dilated Cardiomyopathy. Methods of Information in Medicine, 2010, 49, 511-515.	1.2	42
6	Peripheral Arterial Disease Alters Heart Rate Variability in Cardiovascular Patients. PACE - Pacing and Clinical Electrophysiology, 2008, 31, 858-862.	1.2	36
7	Short-term vs. long-term heart rate variability in ischemic cardiomyopathy risk stratification. Frontiers in Physiology, 2013, 4, 364.	2.8	34
8	Multivariate short-term heart rate variability: a pre-diagnostic tool for screening heart disease. Medical and Biological Engineering and Computing, 2011, 49, 41-50.	2.8	27
9	Compression entropy contributes to risk stratification in patients with cardiomyopathy / Kompressionsentropie zur verbesserten Risikostratifizierung bei Patienten mit DCM. Biomedizinische Technik, 2006, 51, 77-82.	0.8	24
10	Complexity of the short-term heart-rate variability. IEEE Engineering in Medicine and Biology Magazine, 2009, 28, 72-78.	0.8	21
11	Men and women should be separately investigated in studies of orthostatic challenge due to different gender-related dynamics of autonomic response. Physiological Measurement, 2016, 37, 314-332.	2.1	20
12	Symbolic Dynamic Analysis of Relations Between Cardiac and Breathing Cycles in Patients on Weaning Trials. Annals of Biomedical Engineering, 2010, 38, 2542-2552.	2.5	19
13	Orthostatic stress causes immediately increased blood pressure variability in women with vasovagal syncope. Computer Methods and Programs in Biomedicine, 2016, 127, 185-196.	4.7	17
14	Segmented Symbolic Dynamics for Risk Stratification in Patients with Ischemic Heart Failure. Cardiovascular Engineering and Technology, 2010, 1, 290-298.	1.6	15
15	Lagged segmented PoincarÃ© plot analysis for risk stratification in patients with dilated cardiomyopathy. Medical and Biological Engineering and Computing, 2012, 50, 727-736.	2.8	15
16	Influence of age and gender on complexity measures for short term heart rate variability analysis in healthy subjects. , 2013, 2013, 5574-7.		15
17	Temporal Analysis of Cardiovascular and Respiratory Complexity by Multiscale Entropy Based on Symbolic Dynamics. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1046-1058.	6.3	15
18	Ischemic risk stratification by means of multivariate analysis of the heart rate variability. Physiological Measurement, 2013, 34, 325-338.	2.1	14

#	Article	IF	Citations
19	Yoga in school sports improves functioning of autonomic nervous system in young adults: A non-randomized controlled pilot study. PLoS ONE, 2020, 15, e0231299.	2.5	13
20	QT variability improves risk stratification in patients with dilated cardiomyopathy. Physiological Measurement, 2015, 36, 699-713.	2.1	12
21	Patients on weaning trials classified with support vector machines. Physiological Measurement, 2010, 31, 979-993.	2.1	11
22	Blood Pressure Variability as Sign of Autonomic Imbalance in Patients with Idiopathic Dilated Cardiomyopathy. PACE - Pacing and Clinical Electrophysiology, 2012, 35, 471-479.	1.2	10
23	Multivariate and multidimensional analysis of cardiovascular oscillations in patients with heart failure. Biomedizinische Technik, 2006, 51, 163-166.	0.8	8
24	Dynamics of the cardiovascular autonomic regulation during orthostatic challenge is more relaxed in women. Biomedizinische Technik, 2018, 63, 139-150.	0.8	8
25	Detection of Liver Dysfunction Using a Wearable Electronic Nose System Based on Semiconductor Metal Oxide Sensors. Biosensors, 2022, 12, 70.	4.7	7
26	Study of impaired cardiovascular and respiratory coupling during orthostatic stress based on joint symbolic dynamics. Medical Engineering and Physics, 2018, 61, 51-60.	1.7	6
27	Spontaneous Heart Rate Turbulence in Patients with Dilated Cardiomyopathy. , 2006, 2006, 6426-9.		3
28	Respiratory Sinus Arrhythmia Quantified with Linear and Non-Linear Techniques to Classify Dilated and Ischemic Cardiomyopathy. , 2018, 2018, 4860-4863.		3
29	Diagnosis of aortic valve stenosis by correlation analysis of wavelet filtered heart sounds. , 0, , .		2
30	Monitoring in cardiovascular disease patients by nonlinear biomedical signal processing. , 2011, 2011, 6564-7.		2
31	ANALYZING CARDIAC BIOMECHANICS BY HEART SOUND. , 2007, , 157-206.		1
32	Analyzing cardiovascular variabilities in patients with heart failure. , 2005, , .		0
33	QT variability analysis for risk stratification in patients with dilated cardiomyopathy. , 2014, , .		0
34	Quantification of Cardiovascular Regulation Applying Heart Rate Variability Analyses for Different Warm and Moist Chest Compresses in Healthy Subjects. , 2022, 28, 268-277.		0