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	Detection of Liver Dysfunction Using a Wearable Electronic Nose System Based on Semiconductor Metal Oxide Sensors. Biosensors, 2022, 12, 70.	4.7	7
2	Quantification of Cardiovascular Regulation Applying Heart Rate Variability Analyses for Different Warm and Moist Chest Compresses in Healthy Subjects. , 2022, 28, 268-277.		0
3	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
4	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
5	Dynamics of the cardiovascular autonomic regulation during orthostatic challenge is more relaxed in women. Biomedizinische Technik, 2018, 63, 139-150.	0.8	8
6	Respiratory Sinus Arrhythmia Quantified with Linear and Non-Linear Techniques to Classify Dilated and Ischemic Cardiomyopathy. , 2018, 2018, 4860-4863.		3
7	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
8	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
9	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
10	Short-Term Heart Rate Variabilityâ€"Influence of Gender and Age in Healthy Subjects. PLoS ONE, 2015, 10, e0118308.	2.5	307
11	QT variability improves risk stratification in patients with dilated cardiomyopathy. Physiological Measurement, 2015, 36, 699-713.	2.1	12
12	QT variability analysis for risk stratification in patients with dilated cardiomyopathy. , 2014, , .		0
13	Ischemic risk stratification by means of multivariate analysis of the heart rate variability. Physiological Measurement, 2013, 34, 325-338.	2.1	14
14	Short-term vs. long-term heart rate variability in ischemic cardiomyopathy risk stratification. Frontiers in Physiology, 2013, 4, 364.	2.8	34
15	Influence of age and gender on complexity measures for short term heart rate variability analysis in healthy subjects. , 2013, 2013, 5574-7.		15
16	Short-term heart rate variabilityâ€"age dependence in healthy subjects. Physiological Measurement, 2012, 33, 1289-1311.	2.1	90
17	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
18	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

#	Article	IF	Citations
19	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
20	Monitoring in cardiovascular disease patients by nonlinear biomedical signal processing. , 2011, 2011, 6564-7.		2
21	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
22	Segmented Symbolic Dynamics for Risk Stratification in Patients with Ischemic Heart Failure. Cardiovascular Engineering and Technology, 2010, 1, 290-298.	1.6	15
23	Segmented PoincarÃ© Plot Analysis for Risk Stratification in Patients with Dilated Cardiomyopathy. Methods of Information in Medicine, 2010, 49, 511-515.	1.2	42
24	Patients on weaning trials classified with support vector machines. Physiological Measurement, 2010, 31, 979-993.	2.1	11
25	Complexity of the short-term heart-rate variability. IEEE Engineering in Medicine and Biology Magazine, 2009, 28, 72-78.	0.8	21
26	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
27	Peripheral Arterial Disease Alters Heart Rate Variability in Cardiovascular Patients. PACE - Pacing and Clinical Electrophysiology, 2008, 31, 858-862.	1.2	36
28	ANALYZING CARDIAC BIOMECHANICS BY HEART SOUND. , 2007, , 157-206.		1
29	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
30	Multivariate and multidimensional analysis of cardiovascular oscillations in patients with heart failure. Biomedizinische Technik, 2006, 51, 163-166.	0.8	8
31	Spontaneous Heart Rate Turbulence in Patients with Dilated Cardiomyopathy. , 2006, 2006, 6426-9.		3
32	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
33	Analyzing cardiovascular variabilities in patients with heart failure. , 2005, , .		0
34	Diagnosis of aortic valve stenosis by correlation analysis of wavelet filtered heart sounds. , 0, , .		2