

Pedro Gomis

List of Publications by Year in descending order

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papers

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Weighted Time Warping Improves T-Wave Morphology Markers Clinical Significance. IEEE Transactions on Biomedical Engineering, 2022, 69, 2787-2796.	4.2	2
2	Monitoring blood potassium concentration in hemodialysis patients by quantifying T-wave morphology dynamics. Scientific Reports, 2021, 11, 3883.	3.3	11
3	Nonlinear T-Wave Time Warping-Based Sensing Model for Non-Invasive Personalised Blood Potassium Monitoring in Hemodialysis Patients: A Pilot Study. Sensors, 2021, 21, 2710.	3.8	2
4	ECG-based monitoring of blood potassium concentration: Periodic versus principal component as lead transformation for biomarker robustness. Biomedical Signal Processing and Control, 2021, 68, 102719.	5.7	7
5	Weighted Time Warping T-Wave Analysis Robust to Delineation Errors: Clinical Implications. , 2021, , .		0
6	Recursive model identification for the analysis of the autonomic response to exercise testing in Brugada syndrome. Artificial Intelligence in Medicine, 2019, 97, 98-104.	6.5	6
7	Validity of the Polar V800 monitor for measuring heart rate variability in mountain running route conditions. European Journal of Applied Physiology, 2018, 118, 669-677.	2.5	84
8	Global Sensitivity Analysis of a Cardiovascular Model for the Study of the Autonomic Response to Head-up Tilt Testing. , 2018, 2018, 5458-5461.		3
9	Model-based analysis of the autonomic response to head-up tilt testing in Brugada syndrome. Computers in Biology and Medicine, 2018, 103, 82-92.	7.0	8
10	Analysis of ECG in Athletes Running in Mountain Route Conditions. , 2018, , .		0
11	Heart rate differences between symptomatic and asymptomatic Brugada syndrome patients at night. Physiological Measurement, 2018, 39, 065002.	2.1	3
12	Multivariate classification of Brugada syndrome patients based on autonomic response to exercise testing. PLoS ONE, 2018, 13, e0197367.	2.5	10
13	Sex Differences in Autonomic Response to Exercise Testing in Patients with Brugada Syndrome. Advances in Experimental Medicine and Biology, 2018, 1065, 181-190.	1.6	2
14	Heart rate complexity analysis in Brugada syndrome during physical stress testing. Physiological Measurement, 2017, 38, 387-396.	2.1	8
15	Analysis of Heart Rate Variability Indices after Selective Acute Atrial Ischemia in Humans. , 2017, , .		1
16	Analysis of a cardiovascular model for the study of the autonomic response of Brugada syndrome patients. , 2016, 2016, 5591-5594.		4
17	Electrophysiological Effects of Selective Atrial Coronary Artery Occlusion in Humans. Circulation, 2016, 133, 2235-2242.	1.6	40
18	Response by Álvarez-García et al to Letters Regarding Article, "Electrophysiological Effects of Selective Atrial Coronary Artery Occlusion in Humans" Circulation, 2016, 134, e401-e402.	1.6	0

#	ARTICLE	IF	CITATIONS
19	Comparison of methods to measure baroreflex sensitivity in Brugada syndrome. , 2015, , .		2
20	Evaluation of very low amplitude intra-QRS potentials during the initial minutes of acute transmural myocardial ischemia. Journal of Electrocardiology, 2014, 47, 512-519.	0.9	6
21	Complexity of the autonomic heart rate control in coronary artery occlusion in patients with and without prior myocardial infarction. Medical Engineering and Physics, 2013, 35, 1070-1078.	1.7	6
22	Assessment of autonomic control of the heart during transient myocardial ischemia. Journal of Electrocardiology, 2012, 45, 82-89.	0.9	8
23	Effect of acute myocardial ischemia on different high-frequency bandwidths and temporal regions of the QRS. , 2011, 2011, 7083-6.		3
24	Multifractal and nonlinear assessment of autonomous nervous system response during transient myocardial ischaemia. Physiological Measurement, 2010, 31, 565-580.	2.1	24
25	Multifractal characterization of the autonomous nervous system during prolonged coronary artery occlusion. , 2009, 2009, 1808-11.		0
26	Characterization of the nonlinear content of the heart rate dynamics during myocardial ischemia. Medical Engineering and Physics, 2009, 31, 660-667.	1.7	13
27	Probability trends in the assessment of cardiovascular autonomic fluctuations during cold pressor tests. , 2008, , .		0
28	Probabilistic assessment of Autonomic Nervous System fluctuations during tilt table tests. , 2008, 2008, 4692-5.		3
29	Heart rate recovery in the diagnosis of diabetic Cardiovascular Autonomic Neuropathy. , 2007, , .		2
30	Multiscale information analysis of the autonomous nervous system during myocardial ischemia. , 2007, , .		1
31	ECG Beat Detection Using a Geometrical Matching Approach. IEEE Transactions on Biomedical Engineering, 2007, 54, 641-650.	4.2	48
32	Abnormal intra-QRS potentials associated with percutaneous transluminal coronary angiography-induced transient myocardial ischemia. Journal of Electrocardiology, 2006, 39, 282-289.	0.9	13
33	Non-linear dynamic analysis of the cardiac rhythm during transient myocardial ischemia. Biomedizinische Technik, 2006, 51, 178-181.	0.8	8
34	Multiple Factor Analysis of the Autonomous Nervous System during PTCA. , 2005, 2006, 940-3.		2
35	Analysis of abnormal signals within the QRS complex of the high-resolution electrocardiogram. IEEE Transactions on Biomedical Engineering, 1997, 44, 681-693.	4.2	49
36	Analysis of Abnormal Intra-QRS Potentials. Circulation, 1997, 95, 1386-1393.	1.6	50

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37	Comparison of high-resolution and standard ECG parameters of myocardial ischemia during PTCA. Journal of Electrocardiology, 1996, 29, 167.	0.9	1
38	Analysis of high-resolution ECG changes during percutaneous transluminal coronary angioplasty. Journal of Electrocardiology, 1995, 28, 39-40.	0.9	12
39	An Analysis Of The Mechanical Work Of Breathing Based On A Respiratory Impedance Model. , 0, , .		1
40	Pathophysiological insights into abnormal intra-QRS signals in the high resolution ECG. , 0, , .		4
41	Abnormal intra-QRS signals and late potentials in the high resolution ECG associated with chagasic myocarditis. , 0, , .		6
42	Detection of abnormal cardiac activity using genetic descriptors. , 0, , .		0
43	Non-linear modeling analysis of the high-resolution ECG for estimating abnormal intra-QRS potentials. , 0, , .		0
44	Dynamical behavior of intra-QRS potentials during induced myocardial ischemia. , 0, , .		0
45	Myocardial Ischemia Events Detection based on Support Vector Machines using QRS and ST Features. , 0, , .		2
46	Time-frequency Analysis of the Autonomic Response to Head-up Tilt Testing in Brugada Syndrome. , 0, , .		2
47	Potassium Monitoring from Multilead T-wave Morphology Changes during Hemodialysis: Periodic versus Principal Component Analysis. , 0, , .		2
48	T-Wave Morphology Changes as Surrogate for Blood Potassium Concentration in Hemodialysis Patients. , 0, , .		2
49	Application of the Entropy of Approximation for the Nonlinear Characterization in Patients with Chagas Disease. , 0, , .		1
50	Multivariate Classification of Brugada Syndrome Patients Based on the Autonomic Response During Sleep, Exercise and Head-up Tilt Testing. , 0, , .		0