

Jorge Henriques

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75
papers

565
citations

14
h-index

20
g-index

93
ext. papers

701
ext. citations

1.5
avg, IF

3.33
L-index

#	Paper	IF	Citations
75	Models for risk assessment and stratification 2022 , 119-150		
74	Remote management of heart failure patients: A p-health example 2022 , 263-278		
73	A Deep Learning Approach for Data-Driven Predictive Maintenance of Rolling Bearings. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 587-598	0.2	
72	Complexity Analysis of a Biosignal Time Series Similarity Indexing Approach. <i>IFMBE Proceedings</i> , 2021 , 262-269	0.2	
71	Identification of Clinically Relevant Rules: An Interpretable Approach for CVD Risk Assessment. <i>IFMBE Proceedings</i> , 2021 , 644-654	0.2	
70	Heart rate variability analysis for the identification of the preictal interval in patients with drug-resistant epilepsy. <i>Scientific Reports</i> , 2021 , 11, 5987	4.9	3
69	Biomedical signals and machine learning in amyotrophic lateral sclerosis: a systematic review. <i>BioMedical Engineering OnLine</i> , 2021 , 20, 61	4.1	5
68	Data Report: "Health care of Persons Deprived of Liberty" Course From Brazil's Unified Health System Virtual Learning Environment. <i>Frontiers in Medicine</i> , 2021 , 8, 742071	4.9	0
67	BCIAUT-P300: A Multi-Session and Multi-Subject Benchmark Dataset on Autism for P300-Based Brain-Computer-Interfaces. <i>Frontiers in Neuroscience</i> , 2020 , 14, 568104	5.1	8
66	A Multi-feature Approach for Noise Detection in Lung Sounds. <i>IFMBE Proceedings</i> , 2019 , 211-216	0.2	1
65	Knowledge and Data Driven Approaches Applied to Clinical Assessment. <i>IFMBE Proceedings</i> , 2018 , 133-136		1
64	An interpretable data-driven approach for rules construction: Application to cardiovascular risk assessment. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2017 , 2017, 2646-2649	0.9	0
63	New approaches for improving cardiovascular risk assessment. <i>Revista Portuguesa De Cardiologia</i> , 2016 , 35, 5-13	1	3
62	A Tool For ECG Analysis as a Module of a Tele-Monitoring System. <i>International Journal of Online Engineering</i> , 2016 , 12, 64		2
61	Improving clinical models based on knowledge extracted from current datasets: a new approach. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 2295-2298	0.9	1
60	Detection of crackle events using a multi-feature approach. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2016 , 2016, 3679-3683	0.9	14
59	Biodata analytics for COPD 2016 ,		2

58	Multi-parametric prediction for cardiovascular risk assessment. <i>Studies in Health Technology and Informatics</i> , 2016 , 224, 15-20	0.5	
57	The CardioRisk project: Improvement of cardiovascular risk assessment. <i>Journal of Computational Science</i> , 2015 , 9, 39-44	3.4	6
56	Assessment of cardiovascular function from multi-Gaussian fitting of a finger photoplethysmogram. <i>Physiological Measurement</i> , 2015 , 36, 1801-25	2.9	39
55	Detection of wheezes using their signature in the spectrogram space and musical features. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 5581-4	0.9	20
54	Trend Analysis of Telemonitoring for the Prediction of Heart Failure Decompensation Events. <i>IFMBE Proceedings</i> , 2015 , 674-677	0.2	1
53	Expert knowledge integration in the data mining process with application to cardiovascular risk assessment. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 2538-42	0.9	
52	Multi-channel audio-based estimation of the Pre-Ejection Period. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 5932-5	0.9	0
51	A low-complex multi-channel methodology for noise detection in phonocardiogram signals. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 5936-9	0.9	4
50	Personalization Based on Grouping Strategies for Short-Term Cardiovascular Event Risk Assessment. <i>Cardiovascular Engineering and Technology</i> , 2015 , 6, 392-9	2.2	2
49	Assessment of cardiovascular risk based on a data-driven knowledge discovery approach. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 6800-3	0.9	3
48	Correlation between autonomous function and left ventricular performance after acute myocardial infarction. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 3343-6	0.9	2
47	Affine Neural Network-Based Predictive Control Applied to a Distributed Solar Collector Field. <i>IEEE Transactions on Control Systems Technology</i> , 2014 , 22, 585-596	4.8	18
46	Detection of arrhythmic events by means of trend prediction of physiological time series in pHealth systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 8415-8420		0
45	Voluntary cough detection by internal sound analysis 2014 ,		4
44	Robust features for detection of crackles: an exploratory study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 1473-6	0.9	6
43	Personalization algorithms applied to cardiovascular disease risk assessment. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 2726-9	0.9	
42	An automatic method for motion artifacts detection in photoplethysmographic signals referenced with electrocardiography data 2014 ,		2
41	WELCOME Innovative integrated care platform using wearable sensing and smart cloud computing for COPD patients with comorbidities. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 2180-3	0.9	18

40	Detection of motion artifact patterns in photoplethysmographic signals based on time and period domain analysis. <i>Physiological Measurement</i> , 2014 , 35, 2369-88	2.9	36
39	Trend prediction methodology based on time series similarity analysis and haar wavelet decomposition 2013 ,		1
38	On affine state-space neural networks for system identification: Global stability conditions and complexity management. <i>Control Engineering Practice</i> , 2013 , 21, 518-529	3.9	7
37	Characterization of surrogate parameters for blood pressure regulation in neurally-mediated syncope. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 5381-5	0.9	4
36	Telehealth streams reduction based on pattern recognition techniques for events detection and efficient storage in EHR. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 7488-91	0.9	2
35	Automatic Parameter Extraction from Capacitive ECG Measurements. <i>Cardiovascular Engineering and Technology</i> , 2012 , 3, 319-332	2.2	3
34	Detection of motion artifacts in photoplethysmographic signals based on time and period domain analysis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 2603-6	0.9	19
33	Multi-Gaussian fitting for the assessment of left ventricular ejection time from the photoplethysmogram. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 3951-4	0.9	9
32	Model-Based Atrial Fibrillation Detection 2012 , 99-133		10
31	Beat-to-beat systolic time-interval measurement from heart sounds and ECG. <i>Physiological Measurement</i> , 2012 , 33, 177-94	2.9	25
30	Systems and Control for Biomedical Engineering Students. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 413-417		4
29	Noise detection during heart sound recording using periodicity signatures. <i>Physiological Measurement</i> , 2011 , 32, 599-618	2.9	40
28	Prediction of acute hypotensive episodes by means of neural network multi-models. <i>Computers in Biology and Medicine</i> , 2011 , 41, 881-90	7	30
27	Long term cardiovascular risk modelsYcombination. <i>Computer Methods and Programs in Biomedicine</i> , 2011 , 101, 231-42	6.9	14
26	Cardiac status assessment with a multi-signal device for improved home-based congestive heart failure management. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 876-9	0.9	10
25	Fusion of risk assessment models with application to coronary artery disease patients. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 872-5	0.9	2
24	Beat-to-beat cardiac output inference using heart sounds. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 5657-61	0.9	3
23	A wavelet-based approach for time series pattern detection and events prediction applied to telemonitoring data. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 6027-40	0.9	1

22	Modulation filtering for noise detection in heart sound signals. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2011, 2011, 6013-6</i>	0.9	2
21	A Sensor Middleware for integration of heterogeneous medical devices. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2010, 2010, 5189-92</i>	0.9	10
20	Wavelet based time series forecast with application to acute hypotensive episodes prediction. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2010, 2010, 2403-6</i>	0.9	8
19	Heart murmur classification with feature selection. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2010, 2010, 4566-9</i>	0.9	20
18	Comparison of systolic time interval measurement modalities for portable devices. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2010, 2010, 606-9</i>	0.9	22
17	Adaptive neural output regulation control of a solar power plant. <i>Control Engineering Practice, 2010, 18, 1183-1196</i>	3.9	9
16	Assessing PEP and LVET from heart sounds: algorithms and evaluation. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2009, 2009, 3129-33</i>	0.9	12
15	Ischemia detection in the context of a cardiovascular status assessment tool. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2009, 2009, 2535-8</i>	0.9	2
14	Assessing systolic time-intervals from heart sound: a feasibility study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2009, 2009, 3124-8</i>	0.9	8
13	Long term cardiovascular risk models combination - a new approach. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2009, 2009, 4711-4</i>	0.9	2
12	Noise detection during heart sound recording. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2009, 2009, 3119-23</i>	0.9	6
11	ECG Compression through segment matching and progressive error encoding. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 135-8</i>		
10	CHOOSING REAL-TIME PREDICTORS FOR VENTRICULAR ARRHYTHMIA DETECTION. <i>International Journal of Pattern Recognition and Artificial Intelligence, 2007, 21, 1249-1263</i>	1.1	6
9	Premature ventricular beat detection by using spectral clustering methods 2007,		5
8	Third heart sound detection using wavelet transform-simplicity filter. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 1277-81</i>		17
7	On State-Space Neural Networks for Systems Identification: Stability and Complexity 2006,		3
6	Iterative Multidimensional Scaling for Industrial Process Monitoring 2006,		5
5	Adaptive neural model-based predictive control with steady state offset compensation for a distributed solar collector field 2003,		4

4	Reset-Driven Fault Tolerance. <i>Lecture Notes in Computer Science</i> , 2002 , 102-120	0.9	4
3	Supervision and c-Means clustering of PID controllers for a solar power plant. <i>International Journal of Approximate Reasoning</i> , 1999 , 22, 73-91	3.6	28
2	Order estimation in affine state-space neural networks		1
1	Constrained neural model predictive control with guaranteed free offset		3