Rodrigo VarejÃ£o AndreÃ£o

List of Publications by Year
in descending order

43 papers	**1,243** citations	623734 **14** h-index	526287 **27** g-index
46 all docs	**46** docs citations	**46** times ranked	**1551** citing authors

#	Article	IF	Citations
1	Inter-patient detection of atrial fibrillation in short ECG segments based on LSTM network with multiple input layers. Research on Biomedical Engineering, 2022, 38, 465-476.	2.2	1
2	Reduced heart-rate variability and increased risk of hypertensionâ€"a prospective study of the ELSA-Brasil. Journal of Human Hypertension, 2021, 35, 1088-1097.	2.2	17
3	Forecasting vehicular traffic flow using MLP and LSTM. Neural Computing and Applications, 2021, 33, 17245-17256.	5.6	16
4	Diabetic retinopathy detection using red lesion localization and convolutional neural networks. Computers in Biology and Medicine, 2020, 116, 103537.	7.0	148
5	Relationship between heart rate variability and carotid intimaâ€media thickness in the Brazilian Longitudinal Study of Adult Health â€" ELSAâ€Brasil. Clinical Physiology and Functional Imaging, 2020, 40, 122-130.	1.2	4
6	Diabetes and subclinical hypothyroidism on heart rate variability. European Journal of Clinical Investigation, 2020, 50, e13349.	3.4	8
7	Age and Sex Differences in Heart Rate Variability and Vagal Specific Patterns â€" Baependi Heart Study. Global Heart, 2020, 15, 71.	2.3	42
8	Virtual Reality System for Industrial Motor Maintenance Training. , 2020, , .		5
9	Decreased heart rate variability as a predictor for diabetesâ€"A prospective study of the Brazilian longitudinal study of adult health. Diabetes/Metabolism Research and Reviews, 2019, 35, e3175.	4.0	11
10	An architecture and its tools for integrating IoT and BPMN in agriculture scenarios. , 2019, , .		6
11	Linear and nonlinear analyses of heart rate variability following orthostatism in subclinical hypothyroidism. Medicine (United States), 2019, 98, e14140.	1.0	15
12	O serviço de teleconsultoria assíncrona na APS: avaliação de uso e fatores associados do Programa Telessaúde Espírito Santo entre 2012 e 2015. Revista Brasileira De Medicina De Família E Comunidade, 2019, 14, 2068.	0.4	3
13	Reference values for shortâ€term restingâ€state heart rate variability in healthy adults: Results from the Brazilian Longitudinal Study of Adult Healthâ€"ELSAâ€Brasil study. Psychophysiology, 2018, 55, e13052.	2.4	47
14	Alternative class III distributed polysomnography system. Research on Biomedical Engineering, 2018, 34, 127-137.	2.2	0
15	Workflow to Optimization of 3D Models for Game Development. , 2018, , .		2
16	Retinal image quality assessment using deep learning. Computers in Biology and Medicine, 2018, 103, 64-70.	7.0	70
17	Evaluation of Sustainable Bin for Recyclable Solid Waste. World Sustainability Series, 2018, , 175-183.	0.4	0
18	Heartbeat classification system based on neural networks and dimensionality reduction. Research on Biomedical Engineering, 2016, 32, 318-326.	2.2	17

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19	Differential Associations of Specific Selective Serotonin Reuptake Inhibitors With Resting-State Heart Rate and Heart Rate Variability: Implications for Health and Well-Being. Psychosomatic Medicine, 2016, 78, 810-818.	2.0	23
20	Bayesian Network with Decision Threshold for Heart Beat Classification. IEEE Latin America Transactions, 2016, 14, 1103-1108.	1.6	13
21	Comparison between symbolic and spectral analyses of short-term heart rate variability in a subsample of the ELSA-Brasil study. Physiological Measurement, 2015, 36, 2119-2134.	2.1	9
22	ECG-based detection of left ventricle hypertrophy. Research on Biomedical Engineering, 2015, 31, 125-132.	2.2	4
23	Implementation of a Teleconsultation Service in the Primary Health Care in Brazil. Studies in Health Technology and Informatics, 2015, 216, 888.	0.3	0
24	Effects of Depression, Anxiety, Comorbidity, and Antidepressants on Resting-State Heart Rate and Its Variability: An ELSA-Brasil Cohort Baseline Study. American Journal of Psychiatry, 2014, 171, 1328-1334.	7.2	156
25	The Salus platform: A tele-health solution to support teleconsulting for the Brazilian primary health care network. , 2014, , .		0
26	Carvedilol recovers normal blood pressure variability in rats with myocardial infarction. Autonomic Neuroscience: Basic and Clinical, 2013, 177, 231-236.	2.8	8
27	Spectral analysis of heart rate variability with the autoregressive method: What model order to choose?. Computers in Biology and Medicine, 2012, 42, 164-170.	7.0	65
28	Premature Ventricular beat classification using a dynamic Bayesian Network. , 2011, 2011, 4984-7.		32
29	Reproducibility of heart rate variability parameters measured in healthy subjects at rest and after a postural change maneuver. Brazilian Journal of Medical and Biological Research, 2010, 43, 982-988.	1.5	32
30	The Use of Bayesian Networks for Heart Beat Classification. Advances in Experimental Medicine and Biology, 2010, 657, 217-231.	1.6	14
31	Experiments on acoustic model supervised adaptation and evaluation by K-Fold Cross Validation technique. , 2010, , .		3
32	Detection of Premature Ventricular Beats in ECG records using Bayesian networks involving the P-Wave and fusion of results. , 2010, 2010, 1131-4.		3
33	Salt excretion in normotensive individuals with metabolic syndrome: a population-based study. Hypertension Research, 2009, 32, 906-910.	2.7	20
34	Statistical Models Based ECG Classification. , 2009, , 71-93.		1
35	Incremental HMM training applied to ECG signal analysis. Computers in Biology and Medicine, 2008, 38, 659-667.	7.0	14
36	ECG data provisioning for telehomecare monitoring. , 2008, , .		10

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37	Uma abordagem de FusÃ£o de Sinais Vitais baseada em Redes Bayesianas. IFMBE Proceedings, 2007, , 178-182.	0.3	0
38	AnÃ¡lise de Diferentes TÃ©cnicas de ClassificaÃ§Ã£o NÃ£o-Supervisionada de Batimentos CardÃacos. IFMBE Proceedings, 2007, , 69-73.	0.3	0
39	Online HMM Adaptation Applied to ECG Signal Analysis. , 2006, , .		1
40	Combining Wavelet Transform and Hidden Markov Models for ECG Segmentation. Eurasip Journal on Advances in Signal Processing, 2006, 2007, 1.	1.7	21
41	ECG signal analysis through hidden Markov models. IEEE Transactions on Biomedical Engineering, 2006, 53, 1541-1549.	4.2	234
42	Efficient ECG multi-level wavelet classification through neural network dimensionality reduction. , 0, , .		10
43	Teleconsultoria assÃncrona como ferramenta de suporte ao trabalho em saÃºde. Revista Brasileira De Pesquisa Em SaÃºde/Brazilian Journal of Health Research, 0, , .	0.1	3