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	ECG signal analysis through hidden Markov models. IEEE Transactions on Biomedical Engineering, 2006, 53, 1541-1549.	4.2	234
2	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
3	Diabetic retinopathy detection using red lesion localization and convolutional neural networks. Computers in Biology and Medicine, 2020, 116, 103537.	7.0	148
4	Retinal image quality assessment using deep learning. Computers in Biology and Medicine, 2018, 103, 64-70.	7.0	70
5	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
6	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
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	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
9	Premature Ventricular beat classification using a dynamic Bayesian Network. , 2011, 2011, 4984-7.		32
10	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
11	Combining Wavelet Transform and Hidden Markov Models for ECG Segmentation. Eurasip Journal on Advances in Signal Processing, 2006, 2007, 1.	1.7	21
12	Salt excretion in normotensive individuals with metabolic syndrome: a population-based study. Hypertension Research, 2009, 32, 906-910.	2.7	20
13	Heartbeat classification system based on neural networks and dimensionality reduction. Research on Biomedical Engineering, 2016, 32, 318-326.	2.2	17
14	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
15	Forecasting vehicular traffic flow using MLP and LSTM. Neural Computing and Applications, 2021, 33, 17245-17256.	5.6	16
16	Linear and nonlinear analyses of heart rate variability following orthostatism in subclinical hypothyroidism. Medicine (United States), 2019, 98, e14140.	1.0	15
17	Incremental HMM training applied to ECG signal analysis. Computers in Biology and Medicine, 2008, 38, 659-667.	7.0	14
18	The Use of Bayesian Networks for Heart Beat Classification. Advances in Experimental Medicine and Biology, 2010, 657, 217-231.	1.6	14

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19	Bayesian Network with Decision Threshold for Heart Beat Classification. IEEE Latin America Transactions, 2016, 14, 1103-1108.	1.6	13
20	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
21	Efficient ECG multi-level wavelet classification through neural network dimensionality reduction. , 0, , .		10
22	ECG data provisioning for telehomecare monitoring. , 2008, , .		10
23	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
24	Carvedilol recovers normal blood pressure variability in rats with myocardial infarction. Autonomic Neuroscience: Basic and Clinical, 2013, 177, 231-236.	2.8	8
25	Diabetes and subclinical hypothyroidism on heart rate variability. European Journal of Clinical Investigation, 2020, 50, e13349.	3.4	8
26	An architecture and its tools for integrating IoT and BPMN in agriculture scenarios. , 2019, , .		6
27	Virtual Reality System for Industrial Motor Maintenance Training. , 2020, , .		5
28	ECG-based detection of left ventricle hypertrophy. Research on Biomedical Engineering, 2015, 31, 125-132.	2.2	4
29	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
30	Experiments on acoustic model supervised adaptation and evaluation by K-Fold Cross Validation technique. , 2010, , .		3
31	Detection of Premature Ventricular Beats in ECG records using Bayesian networks involving the P-Wave and fusion of results. , 2010, 2010, 1131-4.		3
32	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
33	O serviÃ§o de teleconsultoria assÃncrona na APS: avaliaÃ§Ã£o de uso e fatores associados do Programa TelessaÃºde EspÃrito Santo entre 2012 e 2015. Revista Brasileira De Medicina De FamÃlia E Comunidade, 2019, 14, 2068.	0.4	3
34	Workflow to Optimization of 3D Models for Game Development. , 2018, , .		2
35	Online HMM Adaptation Applied to ECG Signal Analysis. , 2006, , .		1
36	Statistical Models Based ECG Classification. , 2009, , 71-93.		1

#	Article	IF	Citations
37	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
38	The Salus platform: A tele-health solution to support teleconsulting for the Brazilian primary health care network. , 2014, , .		0
39	Alternative class III distributed polysomnography system. Research on Biomedical Engineering, 2018, 34, 127-137.	2.2	0
40	Evaluation of Sustainable Bin for Recyclable Solid Waste. World Sustainability Series, 2018, , 175-183.	0.4	0
41	Uma abordagem de FusÃ£o de Sinais Vitais baseada em Redes Bayesianas. IFMBE Proceedings, 2007, , 178-182.	0.3	0
42	AnÃ¡lise de Diferentes TÃ©cnicas de ClassificaÃ§Ã£o NÃ£o-Supervisionada de Batimentos CardÃacos. IFMBE Proceedings, 2007, , 69-73.	0.3	0
43	Implementation of a Teleconsultation Service in the Primary Health Care in Brazil. Studies in Health Technology and Informatics, 2015, 216, 888.	0.3	0