

Verónica Barroso-García

List of Publications by Year in descending order

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27
papers

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citations

932766

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940134

16
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28
all docs

28
docs citations

28
times ranked

230
citing authors

#	ARTICLE	IF	CITATIONS
1	Bispectral analysis of overnight airflow to improve the pediatric sleep apnea diagnosis. Computers in Biology and Medicine, 2021, 129, 104167.	3.9	16
2	Wavelet Analysis of Overnight Airflow to Detect Obstructive Sleep Apnea in Children. Sensors, 2021, 21, 1491.	2.1	17
3	Bispectral Analysis of Heart Rate Variability to Characterize and Help Diagnose Pediatric Sleep Apnea. Entropy, 2021, 23, 1016.	1.1	13
4	A Convolutional Neural Network Architecture to Enhance Oximetry Ability to Diagnose Pediatric Obstructive Sleep Apnea. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2906-2916.	3.9	37
5	Usefulness of recurrence plots from airflow recordings to aid in paediatric sleep apnoea diagnosis. Computer Methods and Programs in Biomedicine, 2020, 183, 105083.	2.6	17
6	Assessment of Nocturnal Autonomic Cardiac Imbalance in Positional Obstructive Sleep Apnea. A Multiscale Nonlinear Approach. Entropy, 2020, 22, 1404.	1.1	4
7	A machine learning-based test for adult sleep apnoea screening at home using oximetry and airflow. Scientific Reports, 2020, 10, 5332.	1.6	46
8	Characterization of the dynamic behavior of neural activity in Alzheimerâ€™s disease: exploring the non-stationarity and recurrence structure of EEG resting-state activity. Journal of Neural Engineering, 2020, 17, 016071.	1.8	9
9	Pulse Rate Variability Analysis to Enhance Oximetry as at-Home Alternative for Sleep Apnea Diagnosing. IFMBE Proceedings, 2019, , 213-217.	0.2	1
10	Characterization of EEG Resting-state Activity in Alzheimerâ€™s Disease by Means of Recurrence Plot Analyses. , 2019, 2019, 5786-5789.		0
11	Influence of Chronic Obstructive Pulmonary Disease and Moderate-To-Severe Sleep Apnoea in Overnight Cardiac Autonomic Modulation: Time, Frequency and Non-Linear Analyses. Entropy, 2019, 21, 381.	1.1	6
12	Usefulness of Spectral Analysis of Respiratory Rate Variability to Help in Pediatric Sleep Apnea-Hypopnea Syndrome Diagnosis. , 2019, 2019, 4580-4583.		3
13	Convolutional Neural Networks to Detect Pediatric Apnea-Hypopnea Events from Oximetry. , 2019, 2019, 3555-3558.		8
14	A bagging-based automatic method to estimate apnea-hypopnea index from home-oximetry recordings. , 2019, , .		0
15	Utility of bispectrum in the screening of pediatric sleep apnea-hypopnea syndrome using oximetry recordings. Computer Methods and Programs in Biomedicine, 2018, 156, 141-149.	2.6	37
16	Wavelet analysis of oximetry recordings to assist in the automated detection of moderate-to-severe pediatric sleep apnea-hypopnea syndrome. PLoS ONE, 2018, 13, e0208502.	1.1	21
17	Improving the Diagnostic Ability of Oximetry Recordings in Pediatric Sleep Apnea-Hypopnea Syndrome by Means of Multi-Class AdaBoost. , 2018, 2018, 167-170.		5
18	Bispectral Analysis to Enhance Oximetry as a Simplified Alternative for Pediatric Sleep Apnea Diagnosis. , 2018, 2018, 175-178.		2

#	ARTICLE	IF	CITATIONS
19	Detrended fluctuation analysis of the oximetry signal to assist in paediatric sleep apnoeaâ€™hypopnoea syndrome diagnosis. <i>Physiological Measurement</i> , 2018, 39, 114006.	1.2	22
20	Symbolic dynamics to enhance diagnostic ability of portable oximetry from the Phone Oximeter in the detection of paediatric sleep apnoea. <i>Physiological Measurement</i> , 2018, 39, 104002.	1.2	9
21	Usefulness of discrete wavelet transform in the analysis of oximetry signals to assist in childhood sleep apnea-hypopnea syndrome diagnosis. , 2017, 2017, 3753-3756.		4
22	Multiscale Entropy Analysis of Unattended Oximetric Recordings to Assist in the Screening of Paediatric Sleep Apnoea at Home. <i>Entropy</i> , 2017, 19, 284.	1.1	21
23	Irregularity and Variability Analysis of Airflow Recordings to Facilitate the Diagnosis of Paediatric Sleep Apnoea-Hypopnoea Syndrome. <i>Entropy</i> , 2017, 19, 447.	1.1	10
24	A Bayesian neural network approach to compare the spectral information from nasal pressure and thermistor airflow in the automatic sleep apnea severity estimation. , 2017, 2017, 3741-3744.		1
25	Automated detection of childhood sleep apnea using discrete wavelet transform of nocturnal oximetry and anthropometric variables. , 2017, , .		0
26	Multi-class adaboost to detect Sleep Apnea-Hypopnea Syndrome severity from oximetry recordings obtained at home. , 2016, , .		4
27	Automated analysis of unattended portable oximetry by means of Bayesian neural networks to assist in the diagnosis of sleep apnea. , 2016, , .		7