

Fernando Andreotti

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,582
citations

758635

12
h-index

1058022

14
g-index

24
all docs

24
docs citations

24
times ranked

1318
citing authors

#	ARTICLE	IF	CITATIONS
1	SeqSleepNet: End-to-End Hierarchical Recurrent Neural Network for Sequence-to-Sequence Automatic Sleep Staging. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 400-410.	2.7	296
2	Joint Classification and Prediction CNN Framework for Automatic Sleep Stage Classification. IEEE Transactions on Biomedical Engineering, 2019, 66, 1285-1296.	2.5	274
3	An open-source framework for stress-testing non-invasive foetal ECG extraction algorithms. Physiological Measurement, 2016, 37, 627-648.	1.2	125
4	A practical guide to non-invasive foetal electrocardiogram extraction and analysis. Physiological Measurement, 2016, 37, R1-R35.	1.2	99
5	Multimodal heart beat detection using signal quality indices. Physiological Measurement, 2015, 36, 1665-1677.	1.2	85
6	An ECG simulator for generating maternal-foetal activity mixtures on abdominal ECG recordings. Physiological Measurement, 2014, 35, 1537-1550.	1.2	82
7	Robust fetal ECG extraction and detection from abdominal leads. Physiological Measurement, 2014, 35, 1551-1567.	1.2	81
8	Automatic Sleep Stage Classification Using Single-Channel EEG: Learning Sequential Features with Attention-Based Recurrent Neural Networks. , 2018, 2018, 1452-1455.		75
9	Comparing Feature Based Classifiers and Convolutional Neural Networks to Detect Arrhythmia from Short Segments of ECG. , 0, , .		68
10	DNN Filter Bank Improves 1-Max Pooling CNN for Single-Channel EEG Automatic Sleep Stage Classification. , 2018, 2018, 453-456.		60
11	Multichannel Sleep Stage Classification and Transfer Learning using Convolutional Neural Networks. , 2018, 2018, 171-174.		56
12	Detection of REM sleep behaviour disorder by automated polysomnography analysis. Clinical Neurophysiology, 2019, 130, 505-514.	0.7	53
13	Multi-Source Ensemble Learning for the Remote Prediction of Parkinson's Disease in the Presence of Source-Wise Missing Data. IEEE Transactions on Biomedical Engineering, 2019, 66, 1402-1411.	2.5	50
14	Monitoring fetal maturationâ€™ objectives, techniques and indices of autonomic function. Physiological Measurement, 2017, 38, R61-R88.	1.2	45
15	Non-invasive Fetal ECG Signal Quality Assessment for Multichannel Heart Rate Estimation. IEEE Transactions on Biomedical Engineering, 2017, 64, 2793-2802.	2.5	44
16	Remote health diagnosis and monitoring in the time of COVID-19. Physiological Measurement, 2020, 41, 10TR01.	1.2	44
17	Proof of concept: Screening for REM sleep behaviour disorder with a minimal set of sensors. Clinical Neurophysiology, 2021, 132, 904-913.	0.7	11
18	Improved heart rate detection for camera-based photoplethysmography by means of Kalman filtering. , 2015, , .		9

#	ARTICLE	IF	CITATIONS
19	Low-Cost IoT Surveillance System Using Hardware-Acceleration and Convolutional Neural Networks. , 2019, , .		9
20	The use of non-invasive fetal electrocardiography in diagnosing second-degree fetal atrioventricular block. Maternal Health, Neonatology and Perinatology, 2017, 3, 14.	1.0	6
21	Assessment of source separation techniques to extract vital parameters from videos. , 2015, , .		4
22	Evaluation of Source-wise Missing Data Techniques for the Prediction of Parkinsonâ€™s Disease Using Smartphones. , 2019, , .		1
23	COVID-19 Patient Outcome Prediction Using Selected Features from Emergency Department Data and Feed-Forward Neural Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 323-335.	0.2	0