

Montserrat Vallverdà

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

508
citations

840776

11
h-index

677142

22
g-index

26
all docs

26
docs citations

26
times ranked

834
citing authors

#	ARTICLE	IF	CITATIONS
1	Refined Multiscale Entropy Using Fuzzy Metrics: Validation and Application to Nociception Assessment. <i>Entropy</i> , 2019, 21, 706.	2.2	4
2	Entropy Measures as Descriptors to Identify Apneas in Rheoencephalographic Signals. <i>Entropy</i> , 2019, 21, 605.	2.2	7
3	Human Emotion Characterization by Heart Rate Variability Analysis Guided by Respiration. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 2446-2454.	6.3	15
4	Poincaré plot analysis of cerebral blood flow signals: Feature extraction and classification methods for apnea detection. <i>PLoS ONE</i> , 2018, 13, e0208642.	2.5	14
5	Assessment of Heart Rate Variability during an Endurance Mountain Trail Race by Multi-Scale Entropy Analysis. <i>Entropy</i> , 2017, 19, 658.	2.2	7
6	Assessment of Nociceptive Responsiveness Levels during Sedation-Analgesia by Entropy Analysis of EEG. <i>Entropy</i> , 2016, 18, 103.	2.2	9
7	Protocol for regional implementation of collaborative lung function testing. <i>Npj Primary Care Respiratory Medicine</i> , 2016, 26, 16024.	2.6	4
8	Prediction of Nociceptive Responses during Sedation by Linear and Non-Linear Measures of EEG Signals in High Frequencies. <i>PLoS ONE</i> , 2015, 10, e0123464.	2.5	12
9	Human emotion recognition using heart rate variability analysis with spectral bands based on respiration. , 2015, 2015, 6134-7.		38
10	Evaluation of acceleration and deceleration cardiac processes using phase-rectified signal averaging in healthy and idiopathic dilated cardiomyopathy subjects. <i>Medical Engineering and Physics</i> , 2015, 37, 195-202.	1.7	9
11	Symbolic dynamics to discriminate healthy and ischaemic dilated cardiomyopathy populations: an application to the variability of heart period and QT interval. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140092.	3.4	4
12	Mutual information measures applied to EEG signals for sleepiness characterization. <i>Medical Engineering and Physics</i> , 2015, 37, 297-308.	1.7	41
13	Regularity of Cardiac Rhythm as a Marker of Sleepiness in Sleep Disordered Breathing. <i>PLoS ONE</i> , 2015, 10, e0122645.	2.5	3
14	Multiscale Complexity Analysis of the Cardiac Control Identifies Asymptomatic and Symptomatic Patients in Long QT Syndrome Type 1. <i>PLoS ONE</i> , 2014, 9, e93808.	2.5	35
15	Measuring Instantaneous and Spectral Information Entropies by Shannon Entropy of Choi-Williams Distribution in the Context of Electroencephalography. <i>Entropy</i> , 2014, 16, 2530-2548.	2.2	11
16	Filtering and thresholding the analytic signal envelope in order to improve peak and spike noise reduction in EEG signals. <i>Medical Engineering and Physics</i> , 2014, 36, 547-553.	1.7	14
17	Algorithm for Automatic Forced Spirometry Quality Assessment: Technological Developments. <i>PLoS ONE</i> , 2014, 9, e116238.	2.5	15
18	Clinical Decision Support System to Enhance Quality Control of Spirometry Using Information and Communication Technologies. <i>JMIR Medical Informatics</i> , 2014, 2, e29.	2.6	15

#	ARTICLE	IF	CITATIONS
19	Ischemic risk stratification by means of multivariate analysis of the heart rate variability. <i>Physiological Measurement</i> , 2013, 34, 325-338.	2.1	14
20	Short-term vs. long-term heart rate variability in ischemic cardiomyopathy risk stratification. <i>Frontiers in Physiology</i> , 2013, 4, 364.	2.8	34
21	Segmented Symbolic Dynamics for Risk Stratification in Patients with Ischemic Heart Failure. <i>Cardiovascular Engineering and Technology</i> , 2010, 1, 290-298.	1.6	15
22	Computational Detection of Transcription Factor Binding Sites Through Differential Rényi Entropy. <i>IEEE Transactions on Information Theory</i> , 2010, 56, 734-741.	2.4	6
23	Refined Multiscale Entropy: Application to 24-h Holter Recordings of Heart Period Variability in Healthy and Aortic Stenosis Subjects. <i>IEEE Transactions on Biomedical Engineering</i> , 2009, 56, 2202-2213.	4.2	181
24	Detection of transcription factor binding sites using Rényi entropy. , 2008, , .		1
25	DNA Binding Sites Characterization by Means of Rényi Entropy Measures on Nucleotide Transitions. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006, , .	0.5	0