

Luis Montesinos

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21
papers

256
citations

7
h-index

16
g-index

23
ext. papers

411
ext. citations

2.1
avg, IF

3.89
L-index

#	Paper	IF	Citations
21	A machine learning approach for hypertension detection based on photoplethysmography and clinical data.. <i>Computers in Biology and Medicine</i> , 2022 , 145, 105479	7	0
20	A review of machine learning in hypertension detection and blood pressure estimation based on clinical and physiological data. <i>Biomedical Signal Processing and Control</i> , 2021 , 68, 102813	4.9	12
19	Machine learning and deep learning predictive models for type 2 diabetes: a systematic review.. <i>Diabetology and Metabolic Syndrome</i> , 2021 , 13, 148	5.6	4
18	Promises and Challenges in the Use of Wearable Sensors and Nonlinear Signal Analysis for Balance and Fall Risk Assessment in Older Adults. <i>IFMBE Proceedings</i> , 2020 , 288-295	0.2	
17	Investigating the Use of Wearables for Monitoring Circadian Rhythms: A Feasibility Study. <i>IFMBE Proceedings</i> , 2020 , 275-280	0.2	1
16	Systematic literature review and meta-analysis: The case of medical devices and medical locations 2020 , 821-828		
15	Ultra-short term HRV features as surrogates of short term HRV: a case study on mental stress detection in real life. <i>BMC Medical Informatics and Decision Making</i> , 2019 , 19, 12	3.6	54
14	Ultra-Short Entropy for Mental Stress Detection. <i>IFMBE Proceedings</i> , 2019 , 287-291	0.2	0
13	Selection of Entropy-Measure Parameters for Force Plate-Based Human Balance Evaluation. <i>IFMBE Proceedings</i> , 2019 , 315-319	0.2	3
12	Wearable Inertial Sensors for Fall Risk Assessment and Prediction in Older Adults: A Systematic Review and Meta-Analysis. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018 , 26, 573-582	4.8	46
11	Are ultra-short heart rate variability features good surrogates of short-term ones? State-of-the-art review and recommendations. <i>Healthcare Technology Letters</i> , 2018 , 5, 94-100	1.9	47
10	To What Extent Can We Shorten HRV Analysis in Wearable Sensing? A Case Study on Mental Stress Detection.. <i>IFMBE Proceedings</i> , 2018 , 643-646	0.2	9
9	Heart Rate Variability Analysis and Performance during a Repeated Mental Workload Task. <i>IFMBE Proceedings</i> , 2018 , 69-72	0.2	6
8	Day-to-day variation in sleep quality and static balance: results from an exploratory study. <i>IFMBE Proceedings</i> , 2018 , 611-614	0.2	
7	On the use of approximate entropy and sample entropy with centre of pressure time-series. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2018 , 15, 116	5.3	52
6	Day-to-day variations in sleep quality affect standing balance in healthy adults. <i>Scientific Reports</i> , 2018 , 8, 17504	4.9	15
5	Blood-Gas Modelling for Artificially Ventilated Patients Using Interval Type-2 Fuzzy Logic System. <i>IFMBE Proceedings</i> , 2016 , 994-999	0.2	1

4	A Matlab Tool to Support Systematic Literature Review with Meta-Analysis. <i>IFMBE Proceedings</i> , 2016 , 1000-1002	0.2	
3	Health Wearables for Early Detection of Frailty Syndrome in Older Adults in Mexico: An Informed, Structured Process for the Selection of a Suitable Device. <i>Procedia Computer Science</i> , 2016 , 98, 374-381	1.6	2
2	Ethics and Citizenship Education across the Biomedical Engineering Curriculum. <i>IFMBE Proceedings</i> , 2015 , 968-971	0.2	
1	Specialized telepathology electronic patient record based on JPEG 2000		3