Luis Montesinos

List of Publications by Year
in descending order

19 papers	591 citations	1039406 9 h-index	940134 16 g-index
23 all docs	23 docs citations	23 times ranked	644 citing authors

#	Article	IF	Citations
1	Ultra-short term HRV features as surrogates of short term HRV: a case study on mental stress detection in real life. BMC Medical Informatics and Decision Making, 2019, 19, 12.	1.5	133
2	On the use of approximate entropy and sample entropy with centre of pressure time-series. Journal of NeuroEngineering and Rehabilitation, 2018, 15, 116.	2.4	103
3	Wearable Inertial Sensors for Fall Risk Assessment and Prediction in Older Adults: A Systematic Review and Meta-Analysis. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 573-582.	2.7	79
4	Are ultra-short heart rate variability features good surrogates of short-term ones? State-of-the-art review and recommendations. Healthcare Technology Letters, 2018, 5, 94-100.	1.9	79
5	Machine learning and deep learning predictive models for type 2 diabetes: a systematic review. Diabetology and Metabolic Syndrome, 2021, 13, 148.	1.2	62
6	A review of machine learning in hypertension detection and blood pressure estimation based on clinical and physiological data. Biomedical Signal Processing and Control, 2021, 68, 102813.	3.5	47
7	Day-to-day variations in sleep quality affect standing balance in healthy adults. Scientific Reports, 2018, 8, 17504.	1.6	25
8	To What Extent Can We Shorten HRV Analysis in Wearable Sensing? A Case Study on Mental Stress Detection.. IFMBE Proceedings, 2018, , 643-646.	0.2	13
9	A machine learning approach for hypertension detection based on photoplethysmography and clinical data. Computers in Biology and Medicine, 2022, 145, 105479.	3.9	12
10	Specialized telepathology electronic patient record based on JPEG 2000. , 0, , .		10
11	Heart Rate Variability Analysis and Performance during a Repeated Mental Workload Task. IFMBE Proceedings, 2018, , 69-72.	0.2	8
12	Telediagnostic platform for uterus cancer risk diminution in Mexico. , 0, , .		5
13	Health Wearables for Early Detection of Frailty Syndrome in Older Adults in Mexico: An Informed, Structured Process for the Selection of a Suitable Device. Procedia Computer Science, 2016, 98, 374-381.	1.2	5
14	Blood-Gas Modelling for Artificially Ventilated Patients Using Interval Type-2 Fuzzy Logic System. IFMBE Proceedings, 2016, , 994-999.	0.2	3
15	Day-to-day variation in sleep quality and static balance: results from an exploratory study. IFMBE Proceedings, 2018, , 611-614.	0.2	1
16	Investigating the Use of Wearables for Monitoring Circadian Rhythms: A Feasibility Study. IFMBE Proceedings, 2020, , 275-280.	0.2	1
17	Systematic literature review and meta-analysis: The case of medical devices and medical locations. , 2020, , 821-828.		0
18	Promises and Challenges in the Use of Wearable Sensors and Nonlinear Signal Analysis for Balance and Fall Risk Assessment in Older Adults. IFMBE Proceedings, 2020, , 288-295.	0.2	0

#	ARTICLE	IF	CITATIONS
19	A wearable, cloud-based system to enable Alzheimer's disease analysis, diagnosis, and progression monitoring. , 2021, , .		0