Adriana Arza

List of Publications by Citations

19 papers	**183** citations	**7** h-index	**13** g-index
27 ext. papers	**280** ext. citations	**2.9** avg, IF	**2.94** L-index

#	Paper	IF	Citations
19	Inclusion of Respiratory Frequency Information in Heart Rate Variability Analysis for Stress Assessment. *IEEE Journal of Biomedical and Health Informatics*, **2016**, 20, 1016-25	7.2	76
18	Measuring acute stress response through physiological signals: towards a quantitative assessment of stress. *Medical and Biological Engineering and Computing*, **2019**, 57, 271-287	3.1	29
17	Multi-Modal Acute Stress Recognition Using Off-the-Shelf Wearable Devices. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2019**, 2019, 2196-2201	0.9	13
16	Towards an objective measurement of emotional stress: Preliminary analysis based on heart rate variability. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2015**, 2015, 3331-4	0.9	10
15	Proyecto ES3: intentando la cuantificació y medida del nivel de estré. *Revista De Neurologia*, **2015**, 61, 405	24	9
14	Real-Time Cognitive Workload Monitoring Based on Machine Learning Using Physiological Signals in Rescue Missions. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2019**, 2019, 3779-3785	0.9	9
13	Evaluation of chronic stress indicators in geriatric and oncologic caregivers: a cross-sectional study. *Stress*, **2018**, 21, 36-42	3	7
12	REWARD: Design, Optimization, and Evaluation of a Real-Time Relative-Energy Wearable R-Peak Detection Algorithm. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2019**, 2019, 3341-3347	0.9	7
11	Cognitive Workload Monitoring in Virtual Reality Based Rescue Missions with Drones. *Lecture Notes in Computer Science*, **2020**, 397-409	0.9	6
10	Self-Aware Machine Learning for Multimodal Workload Monitoring during Manual Labor on Edge Wearable Sensors. *IEEE Design and Test*, **2020**, 37, 58-66	1.4	4
9	**2015**,		2
8	SPARE: A Spectral Peak Recovery Algorithm for PPG Signals Pulsewave Reconstruction in Multimodal Wearable Devices. *Sensors*, **2021**, 21,	3.8	2
7	EEG Correlates of Difficulty Levels in Dynamical Transitions of Simulated Flying and Mapping Tasks. *IEEE Transactions on Human-Machine Systems*, **2021**, 51, 99-108	4.1	2
6	Real-Time EEG-Based Cognitive Workload Monitoring on Wearable Devices. *IEEE Transactions on Biomedical Engineering*, **2021**, PP,	5	2
5	**2014**,		1
4	Real-Time Personalized Atrial Fibrillation Prediction on Multi-Core Wearable Sensors. *IEEE Transactions on Emerging Topics in Computing*, **2021**, 1-1	4.1	1
3	MBioTracker: Multimodal Self-Aware Bio-Monitoring Wearable System for Online Workload Detection. *IEEE Transactions on Biomedical Circuits and Systems*, **2021**, 15, 994-1007	5.1	1

2	ReBeatICG: Real-time Low-Complexity Beat-to-beat Impedance Cardiogram Delineation Algorithm. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2021**, 2021, 5618-5624	0.9	0
1	ReLearn: A Robust Machine Learning Framework in Presence of Missing Data for Multimodal Stress Detection from Physiological Signals. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2021**, 2021, 535-541	0.9	0