Juan M Fontana

List of Publications by Year
in descending order

20	585	1306789	1281420
papers	citations	7	11
		h-index	g-index

20	20	20	511
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reproducibility of Dietary Intake Measurement From Diet Diaries, Photographic Food Records, and a Novel Sensor Method. Frontiers in Nutrition, 2020, 7, 99.	1.6	8
2	Development of a Serious Game Controlled by Myoelectric Signals. IFMBE Proceedings, 2020, , 1171-1177.	0.2	1
3	Design and Implementation of a Multifunctional Myoelectric Control for Upper Limb Prostheses. IFMBE Proceedings, 2020, , 1066-1072.	0.2	0
4	Vibrotactile Stimulation in the Upper-Arm for Restoring Individual Finger Sensations in Hand Prosthesis. Journal of Medical and Biological Engineering, 2018, 38, 782-789.	1.0	6
5	SVM-Based System for Broken Rotor Bar Detection in Induction Motors. , 2018, , .		9
6	Diseño de una mano artificial antropomórfica para aplicaciones protésicas. , 2016, , .		1
7	Energy intake estimation from counts of chews and swallows. Appetite, 2015, 85, 14-21.	1.8	57
8	Detection and Characterization of Food Intake by Wearable Sensors. , 2014, , 591-616.		10
9	Analysis of Electrode Shift Effects on Wavelet Features Embedded in a Myoelectric Pattern Recognition System. Assistive Technology, 2014, 26, 71-80.	1.2	5
10	A novel approach for food intake detection using electroglottography. Physiological Measurement, 2014, 35, 739-751.	1.2	77
11	Automatic Ingestion Monitor: A Novel Wearable Device for Monitoring of Ingestive Behavior. IEEE Transactions on Biomedical Engineering, 2014, 61, 1772-1779.	2.5	166
12	Estimation of feature importance for food intake detection based on Random Forests classification. , 2013, 2013, 6756-9.		24
13	A Comparative Study of Food Intake Detection Using Artificial Neural Network and Support Vector Machine. , 2013, , .		16
14	Evaluation of Chewing and Swallowing Sensors for Monitoring Ingestive Behavior. Sensor Letters, 2013, 11, 560-565.	0.4	15
15	A Sensor System for Automatic Detection of Food Intake Through Non-Invasive Monitoring of Chewing. IEEE Sensors Journal, 2012, 12, 1340-1348.	2.4	138
16	Automatic identification of the number of food items in a meal using clustering techniques based on the monitoring of swallowing and chewing. Biomedical Signal Processing and Control, 2012, 7, 474-480.	3.5	16
17	A robust classification scheme for detection of food intake through non-invasive monitoring of chewing. , 2012, 2012, 4891-4.		18
18	Design of a instrumentation module for monitoring ingestive behavior in laboratory studies. , 2011, 2011, 1884-7.		7

#	Article	IF	Citations
19	Swallowing detection by sonic and subsonic frequencies: A comparison. , 2011, 2011, 6890-3.		10
20	Microcontrolled air-mattress for ulcer by pressure prevention. Journal of Physics: Conference Series, 2007, 90, 012026.	0.3	1