

Juan M Fontana

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

585
citations

1306789

7
h-index

1281420

11
g-index

20
all docs

20
docs citations

20
times ranked

511
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic Ingestion Monitor: A Novel Wearable Device for Monitoring of Ingestive Behavior. IEEE Transactions on Biomedical Engineering, 2014, 61, 1772-1779.	2.5	166
2	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
3	A novel approach for food intake detection using electroglottography. Physiological Measurement, 2014, 35, 739-751.	1.2	77
4	Energy intake estimation from counts of chews and swallows. Appetite, 2015, 85, 14-21.	1.8	57
5	Estimation of feature importance for food intake detection based on Random Forests classification. , 2013, 2013, 6756-9.		24
6	A robust classification scheme for detection of food intake through non-invasive monitoring of chewing. , 2012, 2012, 4891-4.		18
7	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
8	A Comparative Study of Food Intake Detection Using Artificial Neural Network and Support Vector Machine. , 2013, , .		16
9	Evaluation of Chewing and Swallowing Sensors for Monitoring Ingestive Behavior. Sensor Letters, 2013, 11, 560-565.	0.4	15
10	Swallowing detection by sonic and subsonic frequencies: A comparison. , 2011, 2011, 6890-3.		10
11	Detection and Characterization of Food Intake by Wearable Sensors. , 2014, , 591-616.		10
12	SVM-Based System for Broken Rotor Bar Detection in Induction Motors. , 2018, , .		9
13	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
14	Design of a instrumentation module for monitoring ingestive behavior in laboratory studies. , 2011, 2011, 1884-7.		7
15	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
16	Analysis of Electrode Shift Effects on Wavelet Features Embedded in a Myoelectric Pattern Recognition System. Assistive Technology, 2014, 26, 71-80.	1.2	5
17	Microcontrolled air-mattress for ulcer by pressure prevention. Journal of Physics: Conference Series, 2007, 90, 012026.	0.3	1
18	Diseño de una mano artificial antropomórfica para aplicaciones protésicas. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Development of a Serious Game Controlled by Myoelectric Signals. IFMBE Proceedings, 2020, , 1171-1177.	0.2	1
20	Design and Implementation of a Multifunctional Myoelectric Control for Upper Limb Prostheses. IFMBE Proceedings, 2020, , 1066-1072.	0.2	0