Muhammad Farooq

List of Publications by Year
in descending order

22 papers	740 citations	840776 11 h-index	1125743 13 g-index
22 all docs	22 docs citations	22 times ranked	629 citing authors

#	Article	IF	Citations
1	Detection and characterization of food intake by wearable sensors. , 2021, , 541-574.		4
2	Validation of Sensor-Based Food Intake Detection by Multicamera Video Observation in an Unconstrained Environment. Nutrients, 2019, 11, 609.	4.1	37
3	Statistical models for meal-level estimation of mass and energy intake using features derived from video observation and a chewing sensor. Scientific Reports, 2019, 9, 45.	3.3	12
4	Accelerometer-Based Detection of Food Intake in Free-Living Individuals. IEEE Sensors Journal, 2018, 18, 3752-3758.	4.7	52
5	Segmentation and Characterization of Chewing Bouts by Monitoring Temporalis Muscle Using Smart Glasses With Piezoelectric Sensor. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 1495-1503.	6.3	38
6	Reduction of energy intake using justâ€inâ€time feedback from a wearable sensor system. Obesity, 2017, 25, 676-681.	3.0	17
7	Feature Extraction Using Deep Learning for Food Type Recognition. Lecture Notes in Computer Science, 2017, , 464-472.	1.3	19
8	Real time monitoring and recognition of eating and physical activity with a wearable device connected to the eyeglass. , 2017, , .		11
9	Meal Microstructure Characterization from Sensor-Based Food Intake Detection. Frontiers in Nutrition, 2017, 4, 31.	3.7	36
10	A Novel Wearable Device for Food Intake and Physical Activity Recognition. Sensors, 2016, 16, 1067.	3.8	99
11	Automatic Measurement of Chew Count and Chewing Rate during Food Intake. Electronics (Switzerland), 2016, 5, 62.	3.1	45
12	Detection of chewing from piezoelectric film sensor signals using ensemble classifiers. , 2016, 2016, 4929-4932.		26
13	Linear regression models for chew count estimation from piezoelectric sensor signals. , 2016, , .		7
14	Comparative testing of piezoelectric and printed strain sensors in characterization of chewing. , 2015, 2015, 7538-41.		19
15	Monitoring of Infant Feeding Behavior Using a Jaw Motion Sensor. Journal of Healthcare Engineering, 2015, 6, 23-40.	1.9	19
16	A wireless sensor system for quantification of infant feeding behavior. , 2015, , .		9
17	A novel approach for food intake detection using electroglottography. Physiological Measurement, 2014, 35, 739-751.	2.1	77
18	Automatic Ingestion Monitor: A Novel Wearable Device for Monitoring of Ingestive Behavior. IEEE Transactions on Biomedical Engineering, 2014, 61, 1772-1779.	4.2	166

#	Article	IF	Citations
19	Estimation of feature importance for food intake detection based on Random Forests classification. , 2013, 2013, 6756-9.		24
20	A Comparative Study of Food Intake Detection Using Artificial Neural Network and Support Vector Machine. , 2013, , .		16
21	Real time image registration based on feature tracking using a Digital Signal Processor. , 2010, , .		3
22	Real Time Object Tracking in a Video Sequence Using a Fixed Point DSP. Lecture Notes in Computer Science, 2008, , 879-888.	1.3	4