Joshua Di Tocco

List of Publications by Year
in descending order

23	366	1040056 9	1199594 12
papers	citations	h-index	g-index

23	23	23	241
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Smart Textile Based on Piezoresistive Sensing Elements for Respiratory Monitoring. IEEE Sensors Journal, 2019, 19, 7718-7725.	4.7	66
2	A Multi-Parametric Wearable System to Monitor Neck Movements and Respiratory Frequency of Computer Workers. Sensors, 2020, 20, 536.	3.8	60
3	Respiratory Monitoring During Physical Activities With a Multi-Sensor Smart Garment and Related Algorithms. IEEE Sensors Journal, 2020, 20, 2173-2180.	4.7	46
4	A Wearable System Based on Flexible Sensors for Unobtrusive Respiratory Monitoring in Occupational Settings. IEEE Sensors Journal, 2021, 21, 14369-14378.	4.7	32
5	A Magnetic Resonance-Compatible Wearable Device Based on Functionalized Fiber Optic Sensor for Respiratory Monitoring. IEEE Sensors Journal, 2021, 21, 14418-14425.	4.7	30
6	A Wearable System with Embedded Conductive Textiles and an IMU for Unobtrusive Cardio-Respiratory Monitoring. Sensors, 2021, 21, 3018.	3.8	24
7	A PCA-Based Method to Select the Number and the Body Location of Piezoresistive Sensors in a Wearable System for Respiratory Monitoring. IEEE Sensors Journal, 2021, 21, 6847-6855.	4.7	15
8	Wearable Device Based on a Flexible Conductive Textile for Knee Joint Movements Monitoring. IEEE Sensors Journal, 2021, 21, 26655-26664.	4.7	13
9	Breath-Jockey: Development and Feasibility Assessment of a Wearable System for Respiratory Rate and Kinematic Parameter Estimation for Gallop Athletes. Sensors, 2021, 21, 152.	3.8	13
10	Cardiac monitoring with a smart textile based on polymer-encapsulated FBG: influence of sensor positioning. , 2019, , .		10
11	Influence of torso movements on a multi-sensor garment for respiratory monitoring during walking and running activities. , 2020, , .		10
12	Silicone-Textile Composite Resistive Strain Sensors for Human Motion-Related Parameters. Sensors, 2022, 22, 3954.	3.8	9
13	Validity Analysis of WalkerViewTM Instrumented Treadmill for Measuring Spatiotemporal and Kinematic Gait Parameters. Sensors, 2021, 21, 4795.	3.8	8
14	A meta-learning algorithm for respiratory flow prediction from FBG-based wearables in unrestrained conditions. Artificial Intelligence in Medicine, 2022, 130, 102328.	6.5	7
15	Influence of motion artifacts on a smart garment for monitoring respiratory rate. , 2019, , .		6
16	A wearable system for respiratory and pace monitoring in running activities: a feasibility study. , 2020, , .		6
17	A smart face mask based on photoplethysmography for cardiorespiratory monitoring in occupational settings. , 2021, , .		4
18	Clean-Breathing: a Novel Sensor Fusion Algorithm Based on ICA to Remove Motion Artifacts from Breathing Signal. , 2020, , .		2

#	Article	IF	Citations
19	Wearable system based on piezoresistive sensors for monitoring bowing technique in musicians. , 2019, , .		1
20	A Test Bench to Assess Systems for Respiratory Monitoring of Workers. , 2020, , .		1
21	Respiratory rate monitoring of video terminal operators based on fiber optic technology. , 2021, , .		1
22	Polymer-encapsulated flexible strain sensors to monitor scapular movement: a pilot study. , 2021, , .		1
23	Wearable system for elbow angles estimation based on a polymer encapsulated conductive textile. , 2021, , .		1