

Joshua Di Tocco

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

366
citations

1040056

9
h-index

1199594

12
g-index

23
all docs

23
docs citations

23
times ranked

241
citing authors

#	ARTICLE	IF	CITATIONS
1	Silicone-Textile Composite Resistive Strain Sensors for Human Motion-Related Parameters. <i>Sensors</i> , 2022, 22, 3954.	3.8	9
2	A meta-learning algorithm for respiratory flow prediction from FBG-based wearables in unrestrained conditions. <i>Artificial Intelligence in Medicine</i> , 2022, 130, 102328.	6.5	7
3	A Magnetic Resonance-Compatible Wearable Device Based on Functionalized Fiber Optic Sensor for Respiratory Monitoring. <i>IEEE Sensors Journal</i> , 2021, 21, 14418-14425.	4.7	30
4	A PCA-Based Method to Select the Number and the Body Location of Piezoresistive Sensors in a Wearable System for Respiratory Monitoring. <i>IEEE Sensors Journal</i> , 2021, 21, 6847-6855.	4.7	15
5	A Wearable System with Embedded Conductive Textiles and an IMU for Unobtrusive Cardio-Respiratory Monitoring. <i>Sensors</i> , 2021, 21, 3018.	3.8	24
6	Respiratory rate monitoring of video terminal operators based on fiber optic technology. , 2021, , .		1
7	Polymer-encapsulated flexible strain sensors to monitor scapular movement: a pilot study. , 2021, , .		1
8	Wearable system for elbow angles estimation based on a polymer encapsulated conductive textile. , 2021, , .		1
9	A smart face mask based on photoplethysmography for cardiorespiratory monitoring in occupational settings. , 2021, , .		4
10	A Wearable System Based on Flexible Sensors for Unobtrusive Respiratory Monitoring in Occupational Settings. <i>IEEE Sensors Journal</i> , 2021, 21, 14369-14378.	4.7	32
11	Validity Analysis of WalkerView™ Instrumented Treadmill for Measuring Spatiotemporal and Kinematic Gait Parameters. <i>Sensors</i> , 2021, 21, 4795.	3.8	8
12	Wearable Device Based on a Flexible Conductive Textile for Knee Joint Movements Monitoring. <i>IEEE Sensors Journal</i> , 2021, 21, 26655-26664.	4.7	13
13	Breath-Jockey: Development and Feasibility Assessment of a Wearable System for Respiratory Rate and Kinematic Parameter Estimation for Gallop Athletes. <i>Sensors</i> , 2021, 21, 152.	3.8	13
14	Respiratory Monitoring During Physical Activities With a Multi-Sensor Smart Garment and Related Algorithms. <i>IEEE Sensors Journal</i> , 2020, 20, 2173-2180.	4.7	46
15	Clean-Breathing: a Novel Sensor Fusion Algorithm Based on ICA to Remove Motion Artifacts from Breathing Signal. , 2020, , .		2
16	A wearable system for respiratory and pace monitoring in running activities: a feasibility study. , 2020, , .		6
17	A Test Bench to Assess Systems for Respiratory Monitoring of Workers. , 2020, , .		1
18	Influence of torso movements on a multi-sensor garment for respiratory monitoring during walking and running activities. , 2020, , .		10

#	ARTICLE	IF	CITATIONS
19	A Multi-Parametric Wearable System to Monitor Neck Movements and Respiratory Frequency of Computer Workers. <i>Sensors</i> , 2020, 20, 536.	3.8	60
20	Cardiac monitoring with a smart textile based on polymer-encapsulated FBC: influence of sensor positioning. , 2019, , .		10
21	Influence of motion artifacts on a smart garment for monitoring respiratory rate. , 2019, , .		6
22	Smart Textile Based on Piezoresistive Sensing Elements for Respiratory Monitoring. <i>IEEE Sensors Journal</i> , 2019, 19, 7718-7725.	4.7	66
23	Wearable system based on piezoresistive sensors for monitoring bowing technique in musicians. , 2019, , .		1