

Salvatore Tedesco

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

938
citations

686830

13
h-index

713013

21
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39
all docs

39
docs citations

39
times ranked

1190
citing authors

#	ARTICLE	IF	CITATIONS
1	Indirect Measurement of Ground Reaction Forces and Moments by Means of Wearable Inertial Sensors: A Systematic Review. <i>Sensors</i> , 2018, 18, 2564.	2.1	140
2	Motion Capture Technology in Industrial Applications: A Systematic Review. <i>Sensors</i> , 2020, 20, 5687.	2.1	124
3	A Review of Activity Trackers for Senior Citizens: Research Perspectives, Commercial Landscape and the Role of the Insurance Industry. <i>Sensors</i> , 2017, 17, 1277.	2.1	99
4	Validity Evaluation of the Fitbit Charge2 and the Garmin vivosmart HR+ in Free-Living Environments in an Older Adult Cohort. <i>JMIR MHealth and UHealth</i> , 2019, 7, e13084.	1.8	93
5	Accuracy of consumer-level and research-grade activity trackers in ambulatory settings in older adults. <i>PLoS ONE</i> , 2019, 14, e0216891.	1.1	80
6	Older Adultsâ€™ Experiences With Using Wearable Devices: Qualitative Systematic Review and Meta-synthesis. <i>JMIR MHealth and UHealth</i> , 2021, 9, e23832.	1.8	63
7	Continuous home monitoring of Parkinsonâ€™s disease using inertial sensors: A systematic review. <i>PLoS ONE</i> , 2021, 16, e0246528.	1.1	50
8	Predicting Three-Dimensional Ground Reaction Forces in Running by Using Artificial Neural Networks and Lower Body Kinematics. <i>IEEE Access</i> , 2019, 7, 156779-156786.	2.6	39
9	Customized Ultra High Frequency Radio Frequency Identification Tags and Reader Antennas Enabling Reliable Mobile Robot Navigation. <i>IEEE Sensors Journal</i> , 2013, 13, 783-791.	2.4	33
10	Daily step count and incident diabetes in community-dwelling 70-year-olds: a prospective cohort study. <i>BMC Public Health</i> , 2020, 20, 1830.	1.2	28
11	Human activity recognition for emergency first responders via body-worn inertial sensors. , 2017, , .		21
12	Motion Sensors-Based Machine Learning Approach for the Identification of Anterior Cruciate Ligament Gait Patterns in On-the-Field Activities in Rugby Players. <i>Sensors</i> , 2020, 20, 3029.	2.1	19
13	Unsupervised IMU-based evaluation of at-home exercise programmes: a feasibility study. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2022, 14, 28.	0.7	14
14	PLATFORM-ROBUST PASSIVE UHF RFID TAGS: A CASE-STUDY IN ROBOTICS. <i>Progress in Electromagnetics Research C</i> , 2012, 30, 27-39.	0.6	13
15	Experimental Validation of the Tyndall Portable Lower-limb Analysis System with Wearable Inertial Sensors. <i>Procedia Engineering</i> , 2016, 147, 208-213.	1.2	13
16	The Views and Needs of People With Parkinson Disease Regarding Wearable Devices for Disease Monitoring: Mixed Methods Exploration. <i>JMIR Formative Research</i> , 2022, 6, e27418.	0.7	12
17	A machine learning approach for gesture recognition with a lensless smart sensor system. , 2018, , .		10
18	On the use of UHF RFID antenna systems customized for robotic applications. , 2012, , .		9

#	ARTICLE	IF	CITATIONS
19	A Multi-Sensors Wearable System for Remote Assessment of Physiotherapy Exercises during ACL Rehabilitation. , 2019, , .		9
20	A Wearable System for the Estimation of Performance-Related Metrics during Running and Jumping Tasks. Applied Sciences (Switzerland), 2021, 11, 5258.	1.3	8
21	Sensor and feature selection for an emergency first responders activity recognition system. , 2017, , .		7
22	Comparison of Machine Learning Techniques for Mortality Prediction in a Prospective Cohort of Older Adults. International Journal of Environmental Research and Public Health, 2021, 18, 12806.	1.2	7
23	Using Domain Knowledge for Interpretable and Competitive Multi-Class Human Activity Recognition. Sensors, 2020, 20, 1208.	2.1	6
24	A novel first responders location tracking system: Architecture and functional requirements. , 2015, , .		5
25	IMPROVED NLOS ERROR MITIGATION BASED ON LTS ALGORITHM. Progress in Electromagnetics Research Letters, 2016, 58, 133-139.	0.4	5
26	A Comprehensive Comparison of Commercial Wrist- Worn Trackers in a Young Cohort in a Lab-Environment. , 2018, , .		4
27	Effects of segment masses and cut-off frequencies on the estimation of vertical ground reaction forces in running. Journal of Biomechanics, 2020, 99, 109552.	0.9	4
28	Wearable motion sensors and artificial neural network for the estimation of vertical ground reaction forces in running. , 2020, , .		4
29	A 3D Hand Motion Capture Device with Haptic Feedback for Virtual Reality Applications. , 2018, , .		3
30	Challenges in the Development of Wearable Human Machine Interface Systems. , 2019, , .		3
31	Wearable Textile-Based Device for Human Lower-Limbs Kinematics and Muscle Activity Sensing. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 70-81.	0.2	3
32	Investigation of the analysis of wearable data for cancer-specific mortality prediction in older adults. , 2021, 2021, 1848-1851.		3
33	Real-Time 3D Magnetometer Calibration for Embedded Systems Based on Ellipsoid Fitting. , 2018, , .		2
34	Subject-dependent and -independent human activity recognition with person-specific and -independent models. , 2019, , .		1
35	Design of a Wearable Bruxism Detection Device. , 2021, , .		0
36	Monitoring Emergency First Respondersâ€™ Activities via Gradient Boosting and Inertial Sensor Data. Lecture Notes in Computer Science, 2019, , 691-694.	1.0	0