Massimiliano Donati

List of Publications by Year
in descending order

37 papers	384 citations	1307594 7 h-index	1058476 14 g-index
38 all docs	38 docs citations	38 times ranked	411 citing authors

#	Article	IF	Citations
1	Sensing Devices and Sensor Signal Processing for Remote Monitoring of Vital Signs in CHF Patients. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 553-569.	4.7	125
2	CloudScout: A Deep Neural Network for On-Board Cloud Detection on Hyperspectral Images. Remote Sensing, 2020, 12, 2205.	4.0	88
3	A Telemedicine Service System Exploiting BT/BLE Wireless Sensors for Remote Management of Chronic Patients. Technologies, 2019, 7, 13.	5.1	25
4	An Embedded Sensing and Communication Platform, and a Healthcare Model for Remote Monitoring of Chronic Diseases. Electronics (Switzerland), 2016, 5, 47.	3.1	20
5	Remote monitoring of vital signs in patients with Chronic Heart Failure: Sensor devices and data analysis perspective. , 2012, , .		14
6	Telemonitoring in the Covid-19 Era: The Tuscany Region Experience. Healthcare (Switzerland), 2021, 9, 516.	2.0	12
7	A telemedicine service platform exploiting BT/BLE wearable sensors for remote monitoring of chronic patients. , 2018, , .		10
8	Trading-Off Machine Learning Algorithms towards Data-Driven Administrative-Socio-Economic Population Health Management. Computers, 2021, 10, 4.	3.3	8
9	Operating Protocol and Networking Issues of a Telemedicine Platform Integrating from Wireless Home Sensors to the Hospital Information System. Journal of Computer Networks and Communications, 2013, 2013, 1-12.	1.6	7
10	Empowering Home Health Monitoring of Covid-19 Patients with Smartwatch Position and Fitness Tracking. , 2021, , .		7
11	Population Health Management Exploiting Machine Learning Algorithms to Identify High-Risk Patients. , 2018, , .		6
12	IDEA: An Italian Dysarthric Speech Database. , 2021, , .		6
13	A flexible home gateway system for telecare of patients affected by chronic heart failure. , 2011, , .		5
14	Advanced multi-sensor platform for chronic disease home monitoring. , 2015, , .		5
15	A next generation digital signal processor for European space missions. , 2012, , .		4
16	A flexible ICT platform for domestic healthcare of patients affected by chronic diseases. , 2014, , .		4
17	A Distributed Data Acquisition System for the Sensor Network of the TAWARA_RTM Project. Physics Procedia, 2017, 90, 271-278.	1.2	4
18	Improving care model for congenital heart diseases in paediatric patients using home telemonitoring of vital signs via biomedical sensors. , 2020, , .		4

#	ARTICLE	IF	CITATIONS
19	Exploring Machine Learning Algorithms to Identify Heart Failure Patients: the Tuscany Region Case Study. , 2019, , .		3
20	An Aid System for Autonomous Mobility of Visually Impaired People on the Historical City Walls in Lucca, Italy. EAI/Springer Innovations in Communication and Computing, 2020, , 379-411.	1.1	3
21	A Robust RANSAC-Based Planet Radius Estimation for Onboard Visual Based Navigation. Sensors, 2020, 20, 4041.	3.8	3
22	An Easily Integrable Industrial System for Gamma Spectroscopic Analysis and Traceability of Stones and Building Materials. Sensors, 2021, 21, 352.	3.8	3
23	DSPACE hardware architecture for on-board real-time image/video processing in European space missions. , 2013, , .		2
24	User-friendly single-lead ECG device for home telemonitoring applications. , 2014, , .		2
25	A modular suite to support human-smartphone interaction for people with motor skill impairments. , 2015, , .		2
26	Simulation Framework to Train Intelligent Agents towards an Assisted Driving Power Wheelchair for People with Disability. , 2021, , .		2
27	Enabling Technologies for the In-house Monitoring of Vital Signs in Chronic Patients. Lecture Notes in Electrical Engineering, 2017, , 93-99.	0.4	2
28	Enhancing a Telemedicine Platform with Global Navigation Satellite System Technology and Clustering Algorithms for Supporting Epidemiological Analysis. , 2021, , .		2
29	SatNav E@syCare Telemedicine Platform in the Management of Covid-19 Patients: Field Trial Results. , 2022, , .		2
30	A mobility aid system for visually impaired people on the historical walls of Lucca city, Tuscany, Italy. , 2014, , .		1
31	A novel device for self-acquisition of ECG signal in telemedicine systems for chronic patients. , 2016, , .		1
32	Exploiting Biomedical Sensors for a Home Monitoring System for Paediatric Patients with Congenital Heart Disease. Technologies, 2021, 9, 56.	5.1	1
33	A New Space Digital Signal Processor Design. Lecture Notes in Electrical Engineering, 2014, , 51-60.	0.4	1
34	A flexible home monitoring platform for patients affected by chronic heart failure directly integrated with the remote Hospital Information System. Proceedings of SPIE, 2011, , .	0.8	0
35	A Cloud-Oriented Measurement System for Radiological Investigation and Traceability of Stones. , 2020, , .		0
36	Bridging the gap between high school and University studies for student with disability. Studies in Health Technology and Informatics, 2015, 217, 957-62.	0.3	0

#	Article	IF	Citations
37	Enabling the E@syCare Telemedicine Platform with Push Notification with End-to-end Acknowledgment. , 2022, , .		0