Monica Gherardelli

List of Publications by Year
in descending order

52 papers	**584** citations	758635 **12** h-index	676716 **22** g-index
53 all docs	**53** docs citations	**53** times ranked	**559** citing authors

#	Article	IF	Citations
1	A Machine Learning System to Improve Heart Failure Patient Assistance. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 1750-1756.	3.9	113
2	Testing of mechanical ventilators and infant incubators in healthcare institutions. Technology and Health Care, 2017, 25, 237-250.	0.5	62
3	The Inadequacy of Regulatory Frameworks in Time of Crisis and in Low-Resource Settings: Personal Protective Equipment and COVID-19. Health and Technology, 2020, 10, 1375-1383.	2.1	52
4	Rainfall and Clutter Discrimination by Means of Dual-linear Polarization Radar Measurements. Journal of Atmospheric and Oceanic Technology, 1991, 8, 777-789.	0.5	32
5	Evidence-based medical equipment management: a convenient implementation. Medical and Biological Engineering and Computing, 2019, 57, 2215-2230.	1.6	27
6	Health technology management: A database analysis as support of technology managers in hospitals. Technology and Health Care, 2011, 19, 445-454.	0.5	19
7	Heart Failure Artificial Intelligence-Based Computer Aided Diagnosis Telecare System. Lecture Notes in Computer Science, 2012, , 278-281.	1.0	19
8	Automatic Detection of Genetic Diseases in Pediatric Age Using Pupillometry. IEEE Access, 2020, 8, 34949-34961.	2.6	19
9	Enhancing IoT Data Dependability through a Blockchain Mirror Model. Future Internet, 2019, 11, 117.	2.4	16
10	Gut microbiota and artificial intelligence approaches: A scoping review. Health and Technology, 2020, 10, 1343-1358.	2.1	16
11	An integrated custom decision-support computer aided facility management informative system for healthcare facilities and analysis. Health and Technology, 2020, 10, 135-145.	2.1	15
12	Accurate Despeckling and Estimation of Polarimetric Features by Means of a Spatial Decorrelation of the Noise in Complex PolSAR Data. Remote Sensing, 2020, 12, 331.	1.8	14
13	A QGIS Tool for Automatically Identifying Asbestos Roofing. ISPRS International Journal of Geo-Information, 2019, 8, 131.	1.4	13
14	An automatic system supporting clinical decision for chronic obstructive pulmonary disease. Health and Technology, 2020, 10, 487-498.	2.1	12
15	Network service description model for VNF orchestration leveraging intent-based SDN interfaces. , 2017, , .		11
16	Case Studies on the Use of Sentiment Analysis to Assess the Effectiveness and Safety of Health Technologies: A Scoping Review. IEEE Access, 2021, 9, 66043-66051.	2.6	11
17	Hospital health care offer. A monitoring multidisciplinar approach. , 2007, , 3685-3688.		11
18	Pupillometry via smartphone for low-resource settings. Biocybernetics and Biomedical Engineering, 2021, 41, 891-902.	3.3	9

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19	Adaptive polarisation suppression of intentional radar disturbance. IEE Proceedings, Part F: Radar and Signal Processing, 1990, 137, 407.	0.2	9
20	3D LASER SCANNING OF HISTORIC MOLDS FOR DOCUMENTING THE RICHARD-GINORI FACTORY COLLECTION. Journal of the American Institute for Conservation, 2014, 53, 145-158.	0.2	8
21	A collaborative RESTful cloud-based tool for management of chromatic pupillometry in a clinical trial. Health and Technology, 2020, 10, 25-38.	2.1	8
22	Suboptimum adative polarisation cancellers for dual-polarisation radars. IEE Proceedings, Part F: Communications, Radar and Signal Processing, 1988, 135, 60.	0.1	7
23	FMECA Design Analysis: Risk Management for the Manufacture of a CBCT Scanner. IEEE Access, 2019, 7, 181546-181564.	2.6	6
24	The role of bioengineer in hospital upkeep and development. , 2007, , 3641-3644.		6
25	A hospital structural and technological performance indicators set. , 2007, , 752-755.		6
26	Dynamic threshold cloud detection algorithm improvement for AVHRR and SEVIRI images. , 2010, , .		5
27	Methods and tools for the classification and cataloging of antique moulds from the collection of the Richard-Ginori factory. Journal of Cultural Heritage, 2014, 15, 479-489.	1.5	5
28	ORÃO: RESTful Cloud-Based Ophthalmologic Medical Record for Chromatic Pupillometry. IFMBE Proceedings, 2020, , 713-720.	0.2	5
29	Clinical engineering. , 2020, , 3-6.		5
30	A Machine Learning Decision Support System (DSS) for Neuroendocrine Tumor Patients Treated with Somatostatin Analog (SSA) Therapy. Diagnostics, 2021, 11, 804.	1.3	5
31	Evidence-based approach to medical equipment maintenance monitoring. IFMBE Proceedings, 2018, , 258-261.	0.2	5
32	Toward a Novel Medical Device Based on Chromatic Pupillometry for Screening and Monitoring of Inherited Ocular Disease: A Pilot Study. IFMBE Proceedings, 2019, , 387-390.	0.2	5
33	Polarisation behaviour off ground clutter during dwell time. IEE Proceedings, Part F: Radar and Signal Processing, 1991, 138, 211.	0.2	3
34	A distributed approach to Complex Event Processing in RFID-enabled hospitals. , 2014, , .		3
35	RFID applied to the cataloguing of a collection of historical plaster moulds. Journal of Cultural Heritage, 2016, 21, 910-914.	1.5	3
36	Automatic Classification of Hospital Settings through Artificial Intelligence. Electronics (Switzerland), 2022, 11, 1697.	1.8	3

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37	Doppler polarisation spectral resolution of radar signals. Electronics Letters, 1984, 20, 650.	0.5	2
38	A Decision Support System for Chronic Obstructive Pulmonary Disease (COPD). IFMBE Proceedings, 2019, , 321-324.	0.2	2
39	Sentiment Analysis for Performance Evaluation of Maintenance in Healthcare. IFMBE Proceedings, 2021, , 359-367.	0.2	2
40	Medical devices nomenclature systems: a scoping review. Health and Technology, 2021, 11, 681-692.	2.1	2
41	Fuzzy FMECA Process Analysis for Managing the Risks in the Lifecycle of a CBCT Scanner. IEEE Access, 2021, 9, 135723-135741.	2.6	2
42	Double-polarisation radar measurements. Electronics Letters, 1984, 20, 633.	0.5	1
43	Improving rainfall estimates derived from dual polarization C-band radar reflectivity data. Physics and Chemistry of the Earth, 1997, 22, 253-257.	0.3	1
44	Evaluation of a fully self-consistent methodology to correct attenuation and differential attenuation at C-band. , 2007, , .		1
45	SITMar project: An integrated platform for goods monitoring in multimodal transport. , 2014, , .		1
46	Clinical Decision Support Systems for COPD: a general overview. IFMBE Proceedings, 2018, , 936-939.	0.2	1
47	Machine learning for analysis of gene expression data in fast- and slow-progressing amyotrophic lateral sclerosis murine models. Biocybernetics and Biomedical Engineering, 2022, 42, 273-284.	3.3	1
48	OFDM radar signals for both surveillance and navigation aids to landing aircrafts. , 2012, , .		0
49	Preliminary Waveform Analysis for a New Concept of ATC Radar. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 2768-2780.	2.6	0
50	Project for the Cataloguing of the Antique Moulds of the Ginori Factory at Doccia. , 2013, , .		0
51	Overview for special issue: global issues in clinical engineering. Health and Technology, 2020, 10, 485-486.	2.1	0
52	Reduced Power Multi-Cell Multicast Transmission. , 2018, , .		0