Daniele Giansanti

List of Publications by Year in descending order

67 papers	1,155 citations	471509 17 h-index	414414 32 g-index
67 all docs	67 docs citations	67 times ranked	1009 citing authors

#	Article	IF	Citations
1	Audio-Biofeedback for Balance Improvement: An Accelerometry-Based System. IEEE Transactions on Biomedical Engineering, 2005, 52, 2108-2111.	4.2	132
2	The Development and Test of a Device for the Reconstruction of 3-D Position and Orientation by Means of a Kinematic Sensor Assembly With Rate Gyroscopes and Accelerometers. IEEE Transactions on Biomedical Engineering, 2005, 52, 1271-1277.	4.2	122
3	Is it feasible to reconstruct body segment 3-D position and orientation using accelerometric data?. IEEE Transactions on Biomedical Engineering, 2003, 50, 476-483.	4.2	105
4	Investigation of fall-risk using a wearable device with accelerometers and rate gyroscopes. Physiological Measurement, 2006, 27, 1081-1090.	2.1	65
5	Assessment of fall-risk by means of a neural network based on parameters assessed by a wearable device during posturography. Medical Engineering and Physics, 2008, 30, 367-372.	1.7	54
6	New neural network classifier of fall-risk based on the Mahalanobis distance and kinematic parameters assessed by a wearable device. Physiological Measurement, 2008, 29, N11-N19.	2.1	52
7	Telemonitoring and Telerehabilitation of Patients with Parkinsonâ€™s Disease: Health Technology Assessment of a Novel Wearable Step Counter. Telemedicine Journal and E-Health, 2008, 14, 76-83.	2.8	47
8	Inertial measurement units furnish accurate trunk trajectory reconstruction of the sit-to-stand manoeuvre in healthy subjects. Medical and Biological Engineering and Computing, 2007, 45, 969-976.	2.8	43
9	Physiological motion monitoring: a wearable device and adaptative algorithm for sit-to-stand timing detection. Physiological Measurement, 2006, 27, 713-723.	2.1	39
10	Toward the Design of a Wearable System for Fall-Risk Detection in Telerehabilitation. Telemedicine Journal and E-Health, 2009, 15, 296-299.	2.8	36
11	The Digital Divide in the Era of COVID-19: An Investigation into an Important Obstacle to the Access to the mHealth by the Citizen. Healthcare (Switzerland), 2021, 9, 371.	2.0	36
12	WhatsApp in mHealth: an overview on the potentialities and the opportunities in medical imaging. MHealth, 2020, 6, 19-19.	1.6	32
13	Comparison of three different kinematic sensor assemblies for locomotion study. Physiological Measurement, 2005, 26, 689-705.	2.1	30
14	Telemedicine Technology Assessment Part I: Setup and Validation of a Quality Control System. Telemedicine Journal and E-Health, 2007, 13, 118-129.	2.8	25
15	The Design of a Health Technology Assessment System in Telepathology. Telemedicine Journal and E-Health, 2008, 14, 570-575.	2.8	22
16	Telemedicine Technology Assessment Part II: Tools for a Quality Control System. Telemedicine Journal and E-Health, 2007, 13, 130-140.	2.8	21
17	Virtual microscopy and digital cytology: state of the art. Annali Dell'Istituto Superiore Di Sanita, 2010, 46, 115-22.	0.4	21
18	The Italian Fight Against the COVID-19 Pandemic in the Second Phase: The Renewed Opportunity of Telemedicine. Telemedicine Journal and E-Health, 2020, 26, 1328-1331.	2.8	18

#	Article	IF	Citations
19	Does centripetal acceleration affect trunk flexion monitoring by means of accelerometers?. Physiological Measurement, 2006, 27, 999-1008.	2.1	15
20	Telepathology training in a master of cytology degree course. Journal of Telemedicine and Telecare, 2008, 14, 338-341.	2.7	15
21	Letter to the Editor: Is the COVID-19 Pandemic an Opportunity to Enlarge the Telemedicine Boundaries?. Telemedicine Journal and E-Health, 2020, 26, 1123-1125.	2.8	15
22	A Protocol for the Assessment of Diagnostic Accuracy in Tele-echocardiography Imaging. Telemedicine Journal and E-Health, 2007, 13, 399-406.	2.8	12
23	Toward the Design of a Wearable System for the Remote Monitoring of Epileptic Crisis. Telemedicine Journal and E-Health, 2008, 14, 1130-1135.	2.8	12
24	How Tablet Technology Is Going to Change Cooperative Diagnosis in the Cytology e-Laboratory. Telemedicine Journal and E-Health, 2013, 19, 991-993.	2.8	10
25	Towards the evolution of the mHealth in mental health with youth: the cyber-space used in psychological rehabilitation is becoming wearable into a pocket. MHealth, 2020, 6, 18-18.	1.6	10
26	New Wearable System for Step-Counting Telemonitoring and Telerehabilitation Based on the Codivilla Spring. Telemedicine Journal and E-Health, 2008, 14, 1096-1100.	2.8	9
27	Artificial Intelligence in Digital Pathology: What Is the Future? Part 1: From the Digital Slide Onwards. Healthcare (Switzerland), 2021, 9, 858.	2.0	9
28	Design, construction and validation of a portable care system for the daily telerehabiliatation of gait. Computer Methods and Programs in Biomedicine, 2013, 112, 146-155.	4.7	8
29	Integration of Tablet Technologies in the e-Laboratory of Cytology: A Health Technology Assessment. Telemedicine Journal and E-Health, 2014, 20, 909-915.	2.8	8
30	Objective analysis of finger function. Hand Clinics, 2003, 19, 421-430.	1.0	7
31	Guidlines for Calibration and Drift Compensation of a Wearable Device with Rate-Gyroscopes and Accelerometers. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2342-5.	0.5	7
32	New models of e-learning for healthcare professionals: a training course for biomedical laboratory technicians. Journal of Telemedicine and Telecare, 2007, 13, 374-376.	2.7	7
33	New wearable system for the step counting based on the codivilla-spring for daily activity monitoring in stroke rehabilitation. , 2008, 2008, 4720-3.		7
34	Toward the Design of a Wearable System for Contact Thermography in Telemedicine. Telemedicine Journal and E-Health, 2009, 15, 290-295.	2.8	7
35	A novel, user-friendly step counter for home telemonitoring of physical activity. Journal of Telemedicine and Telecare, 2008, 14, 345-348.	2.7	6
36	Toward the Integration of Novel Wearable Step-Counters in Gait Telerehabilitation After Stroke. Telemedicine Journal and E-Health, 2009, 15, 105-111.	2.8	6

#	Article	IF	Citations
37	A pilot study for the integration of cytometry reports in digital cytology telemedicine applications. Annali Dell'Istituto Superiore Di Sanita, 2010, 46, 138-43.	0.4	6
38	Towards the Investigation of Kinematic Parameters from an Integrated Measurement Unit for the Classification of the Rising From the Chair. , 2006, 2006, 1742-5.		5
39	Improving spatial resolution in skin-contact thermography: Comparison between a spline based and linear interpolation. Medical Engineering and Physics, 2008, 30, 733-738.	1.7	5
40	Portable Kit for the Assessment of Gait Parameters in Daily Telerehabilitation. Telemedicine Journal and E-Health, 2013, 19, 224-232.	2.8	5
41	The mHealth in the canine assisted therapy: the proposal of a conceptual model for the wearable monitoring. MHealth, 2019, 5, 51-51.	1.6	5
42	How do young and senior cytopathologists interact with digital cytology?. Annali Dell'Istituto Superiore Di Sanita, 2010, 46, 123-9.	0.4	5
43	Picture archiving and communication systems in digital cytology. Annali Dell'Istituto Superiore Di Sanita, 2010, 46, 130-7.	0.4	5
44	Towards the integration of digital cytology in the tablet technologies. Diagnostic Pathology, 2013, 8, .	2.0	4
45	Design of a process for image improvement in digital cytology: a preliminary technology assessement. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2015, 3, 13-24.	1.9	4
46	Health in the palm of your handâ€”part 1: the risks from smartphone abuse and the role of telemedicine and e-Health. MHealth, 2021, 7, 49-49.	1.6	4
47	Pet Presence Can Reduce Anxiety in the Elderly: The Italian Experience during COVID-19 Lockdown Assessed by an Electronic Survey. International Journal of Environmental Research and Public Health, 2022, 19, 6135.	2.6	4
48	Validation of a tele-home-care for hand-telerehabilitation. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 3830-2.	0.5	3
49	Design and construction of a closed loop phantom for skin-contact thermography. Medical Engineering and Physics, 2008, 30, 41-47.	1.7	3
50	Validation of an automatic tool for the assessment of image quality in digital tele-echocardiography. Journal of Telemedicine and Telecare, 2008, 14, 342-344.	2.7	3
51	A monitoring tool of workersâ€™ activity at Video Display Terminals for investigating VDT-related risk of musculoskeletal disorders. Computer Methods and Programs in Biomedicine, 2012, 107, 294-307.	4.7	3
52	WhatsApp in mHealth: design and evaluation of an mHealth tool to share dynamic images in hemodynamics. MHealth, 2021, 7, 9-9.	1.6	3
53	An Instrumental Kit for a Comprehensive Assessment of Functional Recovery. , 2007, , 327-339.		3
54	Digital tele-echocardiography: a look inside. Annali Dell'Istituto Superiore Di Sanita, 2009, 45, 357-62.	0.4	3

#	Article	IF	Citations
55	Design and Costruction of Step Counters for Disable People: Preliminar Experience at the Italian Institute of Health. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4927-9.	0.5	2
56	Health Technology Assessment of a Homecare Device for Telemonitoring and Telerehabilitation for Patients after Hand Transplantation. Telemedicine Journal and E-Health, 2008, 14, 69-75.	2.8	2
57	How Image Enhancement Is Allowing New Chances for Digital-Cytology in Telemedicine and e-Health. Telemedicine Journal and E-Health, 2017, 23, 615-617.	2.8	2
58	The mHealth in the canine assisted therapy: the design and application of a kit for the wearable monitoring during a walking session. MHealth, 2020, 6, 16-16.	1.6	2
59	Discrimination Between Human Functional Ability/Disability by means of Different Classification Methodologies. , 2007, , .		1
60	A home-care system for the telemonitoring and telerehabilitation of the hand incorporating interactive biofeedback. Journal of Telemedicine and Telecare, 2008, 14, 372-376.	2.7	1
61	Towards the improvement of postural stability through audio bio-feedback. , 2015, , .		1
62	Design, Construction, and Integration in Instrumented Walkways of a Portable Kit for the Assessment of Gait Parameters in Telerehabilitation. Computers in Health Care, 2013, , 263-274.	0.3	1
63	Assessment of Fall Risk using a Pneumatic Pattern Generator. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4934-6.	0.5	0
64	Design and Construction of a Wearable Tool for Fall-Risk Detection in Telerehabilitation. Computers in Health Care, 2013, , 275-284.	0.3	0
65	The e-Slide in the e-Laboratory of Cytology: Where are We?. Lecture Notes in Computational Vision and Biomechanics, 2014, , 89-98.	0.5	0
66	Telemonitoring of the step detection: toward two investigations based on different wearable sensors?. , 2007, , 1006-1008.		0
67	The Newfound Opportunities of Wearable Systems Based on Biofeedback in the Prevention of Falls. Comment on Tanwar et al. Pathway of Trends and Technologies in Fall Detection: A Systematic Review. Healthcare 2022, 10, 172. Healthcare (Switzerland), 2022, 10, 940.	2.0	0