

Federica Vannetti

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,125
citations

471509

17
h-index

454955

30
g-index

65
all docs

65
docs citations

65
times ranked

1594
citing authors

#	ARTICLE	IF	CITATIONS
1	A light-weight active orthosis for hip movement assistance. <i>Robotics and Autonomous Systems</i> , 2015, 73, 123-134.	5.1	210
2	Reliability, validity and discriminant ability of a robotic device for finger training in patients with subacute stroke. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2020, 17, 1.	4.6	118
3	Effects of a structured physical activity intervention on measures of physical performance in frail elderly patients after cardiac rehabilitation: a pilot study with 1-year follow-up. <i>Internal and Emergency Medicine</i> , 2013, 8, 581-589.	2.0	44
4	AirExGlove "A novel pneumatic exoskeleton glove for adaptive hand rehabilitation in post-stroke patients. , 2018, , .		41
5	The Mugello Study, a survey of nonagenarians living in Tuscany: Design, methods and participants' general characteristics. <i>European Journal of Internal Medicine</i> , 2013, 24, 745-749.	2.2	38
6	Higher uric acid serum levels are associated with better muscle function in the oldest old: Results from the Mugello Study. <i>European Journal of Internal Medicine</i> , 2017, 41, 39-43.	2.2	37
7	Ageing process, adherence to Mediterranean diet and nutritional status in a large cohort of nonagenarians: Effects on endothelial progenitor cells. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2018, 28, 84-90.	2.6	37
8	Association of Body Fat With Health-Related Quality of Life and Depression in Nonagenarians: The Mugello Study. <i>Journal of the American Medical Directors Association</i> , 2019, 20, 564-568.	2.5	36
9	Muscle strength is related to mental and physical quality of life in the oldest old. <i>Archives of Gerontology and Geriatrics</i> , 2020, 89, 104109.	3.0	35
10	Predictors of recovering ambulation after hip fracture inpatient rehabilitation. <i>BMC Geriatrics</i> , 2018, 18, 201.	2.7	32
11	Improvement on the Coma Recovery Scale"Revised During the First Four Weeks of Hospital Stay Predicts Outcome at Discharge in Intensive Rehabilitation After Severe Brain Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, 914-919.	0.9	31
12	Mediterranean Diet, Food Consumption and Risk of Late-Life Depression: The Mugello Study. <i>Journal of Nutrition, Health and Aging</i> , 2018, 22, 569-574.	3.3	31
13	Effects in Short and Long Term of Global Postural Reeducation (GPR) on Chronic Low Back Pain: A Controlled Study with One-Year Follow-Up. <i>Scientific World Journal, The</i> , 2015, 2015, 1-8.	2.1	30
14	The effects on biomechanics of walking and balance recovery in a novel pelvis exoskeleton during zero-torque control. <i>Robotica</i> , 2014, 32, 1317-1330.	1.9	28
15	Hemoglobin concentration is associated with self-reported disability and reduced physical performance in a community dwelling population of nonagenarians: the Mugello Study. <i>Internal and Emergency Medicine</i> , 2017, 12, 1167-1173.	2.0	25
16	Upper Limb Robotics in Rehabilitation: An Approach to Select the Devices, Based on Rehabilitation Aims, and Their Evaluation in a Feasibility Study. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3920.	2.5	20
17	Tailor-Made Hand Exoskeletons at the University of Florence: From Kinematics to Mechatronic Design. <i>Machines</i> , 2019, 7, 22.	2.2	19
18	Diversity of the epidemiology of carbapenemase-producing Enterobacteriaceae in long-term acute care rehabilitation settings from an area of hyperendemicity, and evaluation of an intervention bundle. <i>Journal of Hospital Infection</i> , 2018, 100, 29-34.	2.9	18

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19	Cognitive reserve as a useful variable to address robotic or conventional upper limb rehabilitation treatment after stroke: a multicentre study of the Fondazione Don Carlo Gnocchi. <i>European Journal of Neurology</i> , 2020, 27, 392-398.	3.3	18
20	CLOCK gene polymorphisms and quality of aging in a cohort of nonagenarians – The MUGELLO Study. <i>Scientific Reports</i> , 2019, 9, 1472.	3.3	17
21	Optimization-based scaling procedure for the design of fully portable hand exoskeletons. <i>Meccanica</i> , 2018, 53, 3157-3175.	2.0	16
22	Analysis of Feasibility, Adherence, and Appreciation of a Newly Developed Tele-Rehabilitation Program for People With MCI and VCI. <i>Frontiers in Neurology</i> , 2020, 11, 583368.	2.4	14
23	Relationship between Lower Limb Kinematics and Upper Trunk Acceleration in Recreational Runners. <i>Journal of Healthcare Engineering</i> , 2020, 2020, 1-7.	1.9	14
24	Population structure of KPC carbapenemase-producing <i>Klebsiella pneumoniae</i> in a long-term acute-care rehabilitation facility: identification of a new lineage of clonal group 101, associated with local hyperendemicity. <i>Microbial Genomics</i> , 2020, 6, .	2.0	14
25	Relationship between ocular surface temperature and peripheral vasoconstriction in healthy subjects: A thermographic study. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2014, 228, 297-302.	1.8	13
26	The Games for Older Adults Active Life (GOAL) Project for People With Mild Cognitive Impairment and Vascular Cognitive Impairment: A Study Protocol for a Randomized Controlled Trial. <i>Frontiers in Neurology</i> , 2019, 9, 1040.	2.4	13
27	Wearable Robots: An Original Mechatronic Design of a Hand Exoskeleton for Assistive and Rehabilitative Purposes. <i>Frontiers in Neurobotics</i> , 2021, 15, 750385.	2.8	13
28	Infrared thermographic investigation on the ocular surface temperature of normal subjects. <i>Physiological Measurement</i> , 2020, 41, 045003.	2.1	11
29	The outcome of a modified version of the Cheneau brace in adolescent idiopathic scoliosis (AIS) based on SRS and SOSORT criteria: a retrospective study. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2016, 52, 618-629.	2.2	11
30	Higher uric acid levels are associated with better functional recovery in elderly patients receiving cardiac rehabilitation. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2013, 23, 1210-1215.	2.6	10
31	Gender effect on well-being of the oldest old: a survey of nonagenarians living in Tuscany: the Mugello study. <i>Neurological Sciences</i> , 2018, 39, 509-517.	1.9	10
32	An automatic scaling procedure for a wearable and portable hand exoskeleton. , 2016, , .		9
33	Adherence to Mediterranean diet and nutritional status in a sample of nonagenarians. <i>Experimental Gerontology</i> , 2018, 103, 57-62.	2.8	8
34	Kinematics-Based Strategy for the Design of a Pediatric Hand Exoskeleton Prototype. <i>Mechanisms and Machine Science</i> , 2019, , 501-508.	0.5	8
35	Wearable Detection of Trunk Flexions: Capacitive Elastomeric Sensors Compared to Inertial Sensors. <i>Sensors</i> , 2021, 21, 5453.	3.8	7
36	Oxygen Uptake Kinetics in Older Patients Receiving Postacute Cardiac Rehabilitation. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2010, 89, 953-960.	1.4	6

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37	Usability Characteristics Assessment Protocol Applied to eTouch Ultrasound User-defined workflow Optimization Tool. <i>Procedia Manufacturing</i> , 2015, 3, 104-111.	1.9	6
38	Ability to work in anaerobic condition is associated with physical performance on the six-minute walk test in older patients receiving cardiac rehabilitation. <i>Journal of Rehabilitation Medicine</i> , 2015, 47, 472-477.	1.1	6
39	BMI, functional and cognitive status in a cohort of nonagenarians: results from the Mugello study. <i>European Geriatric Medicine</i> , 2021, 12, 379-386.	2.8	6
40	GOAL (Games for Olders Active Life): A Web-Application for Cognitive Impairment Tele-Rehabilitation. <i>IFMBE Proceedings</i> , 2019, , 177-182.	0.3	5
41	Time-course of running treadmill adaptation in novice treadmill runners. <i>Journal of Sports Sciences</i> , 2020, 38, 2321-2328.	2.0	5
42	Diagnostic Validity of the Smart Aging Serious Game: An Innovative Tool for Digital Phenotyping of Mild Neurocognitive Disorder. <i>Journal of Alzheimer's Disease</i> , 2021, 83, 1789-1801.	2.6	5
43	Pain in patients attending outpatient rehabilitation: results of a pilot study. <i>Internal and Emergency Medicine</i> , 2015, 10, 351-357.	2.0	4
44	The improvement of walking speed after cardiac rehabilitation is associated with the reduction in the metabolic cost of walking in older persons. <i>Gait and Posture</i> , 2012, 35, 458-461.	1.4	3
45	Digital Human Models for Automated Ultrasound User Interface Design. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2016, 60, 561-565.	0.3	3
46	Vision Optical-Based Evaluation of Senshand Accuracy for Parkinsonâ€™s Disease Motor Assessment. , 2019, , .		3
47	Association between physical activity and functional and cognitive status in nonagenarians: results from the Mugello study. <i>International Psychogeriatrics</i> , 2019, 31, 901-908.	1.0	3
48	Monitoring Flexions and Torsions of the Trunk via Gyroscope-Calibrated Capacitive Elastomeric Wearable Sensors. <i>Sensors</i> , 2021, 21, 6706.	3.8	3
49	12-month survival in nonagenarians inside the Mugello study: on the way to live a century. <i>BMC Geriatrics</i> , 2022, 22, 194.	2.7	3
50	Ventilatory strategies in the six-minute walk test in older patients receiving a three-week rehabilitation programme after cardiac surgery through median sternotomy. <i>Journal of Rehabilitation Medicine</i> , 2013, 45, 504-509.	1.1	2
51	Effects of Lower Limb Length and Body Proportions on the Energy Cost of Overground Walking in Older Persons. <i>Scientific World Journal, The</i> , 2014, 2014, 1-6.	2.1	2
52	Ergonomics and Workflow Evaluation of Automatic Doppler Angle Technology Implemented in a Diagnostic Ultrasound System. <i>Procedia Manufacturing</i> , 2015, 3, 120-127.	1.9	2
53	Health profiles and socioeconomic characteristics of nonagenarians residing in Mugello, a rural area in Tuscany (Italy). <i>BMC Geriatrics</i> , 2020, 20, 289.	2.7	2
54	Model-Based Approach in Developing a Hand Exoskeleton for Children: A Preliminary Study. <i>Biosystems and Biorobotics</i> , 2019, , 490-494.	0.3	2

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55	Track I. Biomedizinische Technik, 2014, 59, s490-648.	0.8	1
56	Ergonomic assessment of an active pelvis orthosis. Gait and Posture, 2015, 42, S18-S19.	1.4	1
57	Metabolic syndrome is associated with better quality of sleep in the oldest old: results from the "Mugello Study". Diabetology and Metabolic Syndrome, 2020, 12, 46.	2.7	1
58	Predictors of Mortality in 433 Nonagenarians Inside the Mugello Study: A 10 Years Follow-Up Study. Journal of Aging and Health, 2022, 34, 1071-1080.	1.7	1
59	Application of an Inertial Measurement Unit for quantitative assessment of Single Leg Squat in recreational runners. Gait and Posture, 2017, 57, 31-32.	1.4	0
60	Is there an obesity paradox in the elderly? Body mass index, functional status and cognitive function in a cohort of nonagenarians: results from the MUGELLO study. Nutrition, Metabolism and Cardiovascular Diseases, 2020, 30, 537.	2.6	0
61	Relationship between Ocular Surface Temperature and Peripheral Vasoconstriction. IFMBE Proceedings, 2011, , 145-149.	0.3	0
62	Superficial Electromyography, Motion Analysis and Triggered-Stereo Cameras Technologies Applied to Ultrasound System User Interface Evaluation. Advances in Intelligent Systems and Computing, 2018, , 80-89.	0.6	0