Maria Teresa Restivo

List of Publications by Year
in descending order

115	924	516710 16	552781 26
papers	citations	h-index	g-index

115	115	115	1052
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Remote Laboratory in Engineering Measurement. IEEE Transactions on Industrial Electronics, 2009, 56, 4836-4843.	7.9	123
2	A new type haptics-based virtual environment system for assembly training of complex products. International Journal of Advanced Manufacturing Technology, 2012, 58, 379-396.	3.0	60
3	Hand length as an alternative measurement of height. European Journal of Clinical Nutrition, 2014, 68, 229-233.	2.9	53
4	Handgrip Strength and Associated Factors in Hospitalized Patients. Journal of Parenteral and Enteral Nutrition, 2015, 39, 322-330.	2.6	48
5	Usefulness of Six Diagnostic and Screening Measures for Undernutrition in Predicting Length of Hospital Stay: A Comparative Analysis. Journal of the Academy of Nutrition and Dietetics, 2015, 115, 927-938.	0.8	43
6	Virtual reality and haptics for dental surgery: a personal review. Visual Computer, 2013, 29, 433-447.	3.5	39
7	Women in engineering: Addressing the gender gap, exploring trust and our unconscious bias. , 2018, , .		30
8	A review of virtual reality and haptics for product assembly (part 1): rigid parts. Assembly Automation, 2013, 33, 68-77.	1.7	29
9	A review of virtual reality and haptics for product assembly: from rigid parts to soft cables. Assembly Automation, 2013, 33, 157-164.	1.7	27
10	Augmented reality to improve STEM motivation. , 2014, , .		26
11	Augmented Reality in Electrical Fundamentals. International Journal of Online and Biomedical Engineering, 2014, 10, 68.	1.4	25
12	Accuracy of Siri and Brozek equations in the percent body fat estimation in older adults. Journal of Nutrition, Health and Aging, 2010, 14, 744-748.	3.3	21
13	Design and implementation of a hapticâ€based virtual assembly system. Assembly Automation, 2011, 31, 369-384.	1.7	21
14	A Gamified Approach for Hand Rehabilitation Device. International Journal of Online Engineering, 2018, 14, 179.	0.5	20
15	Anatomical location for waist circumference measurement in older adults: a preliminary study. Nutricion Hospitalaria, 2012, 27, 1554-61.	0.3	20
16	Handgrip strength cutoff values for undernutrition screening at hospital admission. European Journal of Clinical Nutrition, 2014, 68, 1315-1321.	2.9	19
17	Temperature field acquisition during gas metal arc welding using thermocouples, thermography and fibre Bragg grating sensors. Measurement Science and Technology, 2007, 18, 877-883.	2.6	17
18	Exploring Online Experimentation. International Journal of Online and Biomedical Engineering, 2013, 9, 4.	1.4	17

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19	Accuracy of a digital skinfold system for measuring skinfold thickness and estimating body fat. British Journal of Nutrition, 2011, 105, 478-484.	2.3	16
20	Handgrip strength measurement as a predictor of hospitalization costs. European Journal of Clinical Nutrition, 2015, 69, 187-192.	2.9	16
21	A case study of induced eddy currents. Sensors and Actuators A: Physical, 1995, 51, 203-210.	4.1	14
22	The Portuguese Contribution for lab2go - pt.lab2go. International Journal of Online and Biomedical Engineering, 2013, 9, 7.	1.4	11
23	Let's Use Haptics!. International Journal of Online and Biomedical Engineering, 2013, 9, 65.	1.4	10
24	Evaluating an online augmented reality puzzle for DC circuits: Students' feedback and conceptual knowledge gain. Computer Applications in Engineering Education, 2020, 28, 1355-1368.	3.4	10
25	The use of video clips in engineering education. , 2012, , .		9
26	Virtual environment for instrumented glove. , 2016, , .		9
27	flock.uc.pt â€“ A Web Platform for Online Educational Modules with Online Experiments. International Journal of Online and Biomedical Engineering, 2013, 9, 13.	1.4	8
28	Let's work with AR in DC circuits. , 2014, , .		8
29	Adding tactile information to remote & virtual labs. , 2011, , .		7
30	NSensor â€“ Wireless Sensor Network for Environmental Monitoring. International Journal of Interactive Mobile Technologies, 2017, 11, 25.	1.2	6
31	Guidelines for effective online lab assignments: Contributions to the discussion. , 2018, , .		6
32	The use of eddy currents on the measurement of relative acceleration. Sensors and Actuators A: Physical, 2004, 113, 181-188.	4.1	5
33	On the use of a 3D printer in mechatronics projects. , 2014, , .		5
34	Easy creation and deployment of Javascript remote labs with EjsS and Moodle. , 2016, , .		5
35	Hysteresis Compensation in a Tactile Device for Arterial Pulse Reproduction. Sensors, 2018, 18, 1631.	3.8	5
36	Comparing classification techniques for identification of grasped objects. BioMedical Engineering OnLine, 2019, 18, 21.	2.7	5

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37	The Role of an Experimental Laboratory in Engineering Education. Advances in Intelligent Systems and Computing, 2019, , 644-652.	0.6	5
38	Remote demo for encoders' tutorial. , 2013, , .		4
39	Online Systems for Training the Evaluation of Deviations of Geometrical Characteristics. International Journal of Online and Biomedical Engineering, 2013, 9, 16.	1.4	4
40	Haptic System for Determining the Young Modulus of Materials. International Journal of Online and Biomedical Engineering, 2013, 9, 68.	1.4	4
41	Accuracy of self-assessment among graduate students in mechanical engineering. , 2015, , .		4
42	Remote Level Monitoring and Control Solution. IFAC-PapersOnLine, 2016, 49, 194-197.	0.9	4
43	Adding augmented reality to laboratory experimentation. , 2017, , .		4
44	An Attempt to Identify Meaningful Descriptors of Handgrip Strength Using a Novel Prototype: Preliminary Study. Information (Switzerland), 2020, 11, 546.	2.9	4
45	Hands-on using on-line engineering: The trend to better solutions. , 2009, , .		3
46	Visualizing understanding with concept maps. , 2012, , .		3
47	Cut and Suture Support on Volumetric Models in the CyberMed Framework. Procedia Technology, 2012, 5, 771-776.	1.1	3
48	Online virtual system for straightness evaluation. , 2013, , .		3
49	1 DOF haptic device built with parts of recycled material. , 2013, , .		3
50	Improving the laboratory environment by switching to embedded online labs. , 2013, , .		3
51	Online experimentation: Experiment@Portugal 2012. , 2014, , .		3
52	Feeling the elastic force with a haptic device: A learning experience with K12 and first year engineering students. , 2015, , .		3
53	How students and teachers react to an AR free puzzle game: Preliminary tests. , 2015, , .		3
54	Assisted Creation and Deployment of Javascript Remote Experiments. International Journal of Online Engineering, 2016, 12, 22.	0.5	3

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55	A tool for grip evaluation and learning. , 2016, , .		3
56	Usefulness of remote experiments. , 2017, , .		3
57	Screening System for Cardiac Problems through Non-Invasive Identification of Blood Pressure Waveform. Information (Switzerland), 2020, 11, 150.	2.9	3
58	Serious Games for Reading Acquisition: A Tentative Prototype. Advances in Intelligent Systems and Computing, 2018, , 686-692.	0.6	3
59	U.Jr. — Mentoring in action: Junior University at U.Porto. , 2012, , .		2
60	Brain stimulation using an haptic thermal device. , 2013, , .		2
61	Haptic device demo using temperature feedback. , 2013, , .		2
62	Virtual Instrumentation in Biomedical Equipment. International Journal of Online and Biomedical Engineering, 2013, 9, 28.	1.4	2
63	Online Experimentation @ REV2012. International Journal of Online and Biomedical Engineering, 2013, 9, 4.	1.4	2
64	Augmented reality in groundwater flow. , 2014, , .		2
65	Adding sensorial capabilities to the augmented chemical reactions application. , 2014, , .		2
66	Wireless control and network management of door locks. , 2015, , .		2
67	Next-generation experimental lab #1. , 2015, , .		2
68	Hi kids: That's funny! Mechanics 3D Virtual lab. , 2015, , .		2
69	Demonstration of a remote lab based on a vibrating beam apparatus. , 2016, , .		2
70	Device for hand rehabilitation in online collaborative environment. , 2017, , .		2
71	Travelling in a virtual city: a physical exercise promoting game. , 2019, , .		2
72	Reliability of Forearm Skin Thermal Assessment During Handgrip Exercise. Studies in Systems, Decision and Control, 2019, , 447-455.	1.0	2

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73	Remote experiments with pneumatic circuit using a double rod cylinder. , 2019, , .		2
74	Immersive Environment for Occupational Therapy: Pilot Study. Information (Switzerland), 2020, 11, 405.	2.9	2
75	Handgrip Strength Time Profile and Frailty: An Exploratory Study. Applied Sciences (Switzerland), 2021, 11, 5134.	2.5	2
76	Analysis and pattern identification on smart sensors data. , 2017, , .		2
77	Design and Test of a 1 DOF Haptic Device for Online Experimentation. International Journal of Online Engineering, 2016, 12, 55.	0.5	2
78	Experiment@Portugal. , 2011, , .		1
79	Virtual Reality and Haptics for Product Assembly. International Journal of Online and Biomedical Engineering, 2012, 8, 12.	1.4	1
80	Measuring relative acceleration: a relative angular acceleration prototype transducer. Measurement Science and Technology, 2013, 24, 025101.	2.6	1
81	Experiment@Portugal 2012 - ongoing activities. , 2013, , .		1
82	NeReLa project: Building network of remote labs using EU best practice. , 2014, , .		1
83	Simple and achievable educational projects by interconnecting different integrated circuits. , 2014, , .		1
84	Online Experimentation Forum. International Journal of Online Engineering, 2016, 12, 4.	0.5	1
85	Evaluation of remote experiments by different target groups: NeReLa project case study. , 2016, , .		1
86	An online collaborative environment for rehabilitation using instrumented devices. , 2017, , .		1
87	Blood Pressure Measurement. , 2019, , .		1
88	Serious Game for reading and spelling skills. , 2019, , .		1
89	Carnival Play. Advances in Medical Technologies and Clinical Practice Book Series, 2021, , 206-242.	0.3	1
90	Impact of Biofeedback in the Motor Rehabilitation of Patients with Acquired Brain Injury. Lecture Notes in Networks and Systems, 2022, , 408-414.	0.7	1

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91	Towards an Automated Analysis of Forearm Thermal Images During Handgrip Exercise. Lecture Notes in Networks and Systems, 2019, , 498-506.	0.7	1
92	Handgrip Evaluation: Endurance and Handedness Dominance. Lecture Notes in Networks and Systems, 2019, , 507-516.	0.7	1
93	A case study of induced eddy currents. Sensors and Actuators A: Physical, 1996, 51, 203-210.	4.1	1
94	Online Experimentation for Industrial, Health and Educational Purposes. International Journal of Online and Biomedical Engineering, 2020, 16, 4.	1.4	1
95	Exploring On-Line Meteorological Resources in Engineering. International Journal of Online Engineering, 2016, 12, 28.	0.5	1
96	Optical fibre pressure sensors for small scale studies of groundwater flow. , 2011, , .		0
97	IJUP — Young Research at University of Porto. , 2012, , .		0
98	Using ISA services to manage lab sessions with embedded lab servers. , 2013, , .		0
99	Hapticbender system study of young modulus. , 2013, , .		0
100	Multimedia strategies for dissemination of science and technology. , 2013, , .		0
101	An interactive video for groundwater flow. , 2013, , .		0
102	“Feeling force”. , 2014, , .		0
103	Demonstration of online experimentation using wireless sensor and actuator networks. , 2014, , .		0
104	Online material testing tutorial: Contribution for knowledge integration. , 2014, , .		0
105	A remote experiment vs. hands-on. , 2015, , .		0
106	1 DOF haptic device for online experimentation. , 2015, , .		0
107	IT on Engineering Pedagogy 2017 (ITEP'17). , 2017, , .		0
108	VENTI: Experimental controller for inline duct fan. , 2017, , .		0

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109	Special Focus: The Use of Emerging Technologies on the Internet of Everything. International Journal of Interactive Mobile Technologies, 2017, 11, 4.	1.2	0
110	An Instrumented Glove for Control Audiovisual Elements in Performing Arts. International Journal of Online Engineering, 2018, 14, 173.	0.5	0
111	Effectiveness of online experimentation to change conceptual knowledge in non-formal learning. , 2019, , .		0
112	Cloud-Based Data Storage System for eHealth Smart Devices. Lecture Notes in Networks and Systems, 2022, , 400-407.	0.7	0
113	Linking R&D Activities with Teaching: Water Quality Monitoring in Aquaculture as a Remote Laboratory Proxy for Environmental Studies. International Journal of Emerging Technologies in Learning, 2011, 6, .	1.3	0
114	Demonstration: Online Detection of Abnormalities in Blood Pressure Waveform: Bisfiriens and Alternans Pulse. Lecture Notes in Networks and Systems, 2019, , 536-545.	0.7	0
115	A Case Study of AR Technology and Engineering Students: Is There a Gender Gap?. Advances in Intelligent Systems and Computing, 2021, , 330-337.	0.6	0