Paolo Tripicchio

List of Publications by Year
in descending order

47 papers	693 citations	933447 10 h-index	752698 20 g-index
47 all docs	47 docs citations	47 times ranked	689 citing authors

#	ARTICLE	IF	CITATIONS
1	Towards Smart Farming and Sustainable Agriculture with Drones. , 2015, , .		145
2	A Smart Monitoring System for Automatic Welding Defect Detection. IEEE Transactions on Industrial Electronics, 2019, 66, 9641-9650.	7.9	97
3	Design and Development of a Hand Exoskeleton Robot for Active and Passive Rehabilitation. International Journal of Advanced Robotic Systems, 2016, 13, 66.	2.1	78
4	Particle Swarm Optimization in SAR-Based Method Enabling Real-Time 3D Positioning of UHF-RFID Tags. IEEE Journal of Radio Frequency Identification, 2020, 4, 300-313.	2.3	45
5	A study on picking objects in cluttered environments: Exploiting depth features for a custom low-cost universal jamming gripper. Robotics and Computer-Integrated Manufacturing, 2020, 63, 101888.	9.9	43
6	A Synthetic Aperture UHF RFID Localization Method by Phase Unwrapping and Hyperbolic Intersection. IEEE Transactions on Automation Science and Engineering, 2022, 19, 933-945.	5.2	24
7	A Multi-Antenna SAR-based method for UHF RFID Tag Localization via UGV. , 2018, , .		21
8	Confined spaces industrial inspection with micro aerial vehicles and laser range finder localization. International Journal of Micro Air Vehicles, 2018, 10, 207-224.	1.3	21
9	Welding defect detection: coping with artifacts in the production line. International Journal of Advanced Manufacturing Technology, 2020, 111, 1659-1669.	3.0	18
10	Bilateral teleoperation under time-varying delay using wave variables. , 2009, , .		15
11	RFID Gazebo-Based Simulator With RSSI and Phase Signals for UHF Tags Localization and Tracking. IEEE Access, 2022, 10, 22150-22160.	4.2	14
12	A Stereo-Panoramic Telepresence System for Construction Machines. Procedia Manufacturing, 2017, 11, 1552-1559.	1.9	13
13	Particle Swarm Optimization in Multi-Antenna SAR-based Localization for UHF-RFID Tags. , 2019, , .		12
14	On the integration of FBG sensing technology into robotic grippers. International Journal of Advanced Manufacturing Technology, 2020, 111, 1173-1185.	3.0	12
15	Efficient localization in warehouse logistics: a comparison of LMS approaches for 3D multilateration of passive UHF RFID tags. International Journal of Advanced Manufacturing Technology, 2022, 120, 4977-4988.	3.0	11
16	A novel human-machine interface for working machines operation. , 2013, , .		10
17	Haptic Rendering of Juggling with Encountered Type Interfaces. Presence: Teleoperators and Virtual Environments, 2011, 20, 480-501.	0.6	9
18	Towards an autonomous flying robot for inspections in open and constrained spaces. , 2014, , .		9

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19	Integration of multimodal technologies for a rowing platform. , 2009, , .		8
20	Stacked generalization for scene analysis and object recognition. , 2014, , .		8
21	Real-Time Embedded Vision System for the Watchfulness Analysis of Train Drivers. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 208-218.	8.0	8
22	Is Deep Learning ready to satisfy Industry needs?. Procedia Manufacturing, 2020, 51, 1192-1199.	1.9	7
23	A multimodal training platform for minimally invasive robotic surgery. , 2010, , .		6
24	Towards a Multi-antenna approach for UHF-RFID tag 3D localization with a Synthetic Aperture Radar Method. , 2019, , .		6
25	Supervised stowing as enabling technology for the integration of impaired operators in the industry. Procedia Manufacturing, 2020, 51, 171-178.	1.9	6
26	Autonomous exploration of indoor environments with a micro-aerial vehicle. , 2015, , .		4
27	Visual navigation of mobile robots for autonomous patrolling of indoor and outdoor areas. , 2015, , .		4
28	Robust Image Stitching and Reconstruction of Rolling Stocks Using a Novel Kalman Filter With a Multiple-Hypothesis Measurement Model. IEEE Access, 2021, 9, 154011-154021.	4.2	4
29	The MONITOR Project: RFID-based Robots enabling real-time inventory and localization in warehouses and retail areas. , 2021, , .		4
30	Virtual Laboratory: a virtual distributed platform to share and perform experiments. , 2008, , .		3
31	Control strategies and perception effects in co-located and large workspace dynamical encountered haptics. , 2009, , .		3
32	On multiuser perspectives in passive stereographic virtual environments. Computer Animation and Virtual Worlds, 2014, 25, 69-81.	1.2	3
33	3D Printing and 3D Virtual Models for Surgical and Percutaneous Planning of Congenital Heart Diseases. , 2020, , .		3
34	Energy recovery in time-varying delay teleoperated system using wave-variables. , 2010, , .		2
35	Design of a Motion Based Sailing Simulator. , 2010, , .		2
36	Fast and Fluid Human Pose Tracking. , 2019, , .		2

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37	Real-Time Numerical Simulation for Accurate Soft Tissues Modeling during Haptic Interaction. Actuators, 2022, 11, 17.	2.3	2
38	Modeling multiple vehicle interaction constraints for behavior prediction of vehicles on highways. Computers and Electrical Engineering, 2022, 98, 107700.	4.8	2
39	On Multi-Agent Cognitive Cooperation: Can virtual agents behave like humans?. Neurocomputing, 2022, 480, 27-38.	5.9	2
40	Welding Defect Detection with Deep Learning Architectures. , 0, , .		2
41	A novel forklift solution for promoting occupational re-integration of disabled people. , 2014, , .		1
42	A Multimodal Learning System for Handwriting Movements. , 2014, , .		1
43	A 6-DOF haptic manipulation system to verify assembly procedures on CAD models. Procedia Manufacturing, 2019, 38, 1292-1299.	1.9	1
44	A Measuring Tool for Accurate Haptic Modeling in Industrial Maintenance Training. Lecture Notes in Computer Science, 2010, , 377-384.	1.3	1
45	Uncontrolled manifold and Juggling: Retrieving a set of Controlled Variables from Data. BIO Web of Conferences, 2011, 1, 00056.	0.2	1
46	Surface perception in a large workspace encounter interface. , 2008, , .		0
47	Human forces in hands free interaction: a new paradigm for immersive virtual environments. , 2009, , .		0