IÃ±aki Maurtua

List of Publications by Year
in descending order

29 papers	558 citations	1040056 9 h-index	940533 16 g-index
29 all docs	29 docs citations	29 times ranked	547 citing authors

#	Article	IF	Citations
1	A Generic ROS-Based Control Architecture for Pest Inspection and Treatment in Greenhouses Using a Mobile Manipulator. IEEE Access, 2021, 9, 94981-94995.	4.2	18
2	A survey on generative adversarial networks for imbalance problems in computer vision tasks. Journal of Big Data, 2021, 8, 27.	11.0	105
3	Collaborative assembly of electrical cabinets through multimodal interaction between a robot and a human worker with cognitive disability. Procedia CIRP, 2021, 97, 184-189.	1.9	7
4	PIROS: Cooperative, Safe and Reconfigurable Robotic Companion for CNC Pallets Load/Unload Stations. Springer Tracts in Advanced Robotics, 2020, , 57-96.	0.4	17
5	Empowering assembly workers with cognitive disabilities by working with collaborative robots: a study to capture design requirements. Procedia CIRP, 2019, 81, 797-802.	1.9	26
6	Optimal Positioning of Mobile Platforms for Accurate Manipulation Operations. Journal of Computer and Communications, 2019, 07, 1-16.	0.9	1
7	Towards Including Workers with Cognitive Disabilities in the Factory of the Future. , 2018, , .		3
8	A flexible system for gesture based human-robot interaction. Procedia CIRP, 2018, 72, 57-62.	1.9	15
9	Potential users' key concerns and expectations for the adoption of cobots. Procedia CIRP, 2018, 72, 21-26.	1.9	57
10	Human–robot collaboration in industrial applications. International Journal of Advanced Robotic Systems, 2017, 14, 172988141771601.	2.1	143
11	Natural multimodal communication for human–robot collaboration. International Journal of Advanced Robotic Systems, 2017, 14, 172988141771604.	2.1	50
12	REVISITING THE END USER'S PERSPECTIVE IN COLLABORATIVE HUMAN-ROBOT INTERACTION. , 2016, , 196-204.		3
13	Enhancing safe human-robot collaboration through natural multimodal communication. , 2016, , .		10
14	Non-destructive inspection in industrial equipment using robotic mobile manipulation. AIP Conference Proceedings, 2016, , .	0.4	2
15	Use of machine vision in collaborative robotics: An industrial case. , 2016, , .		5
16	FourByThree: Imagine humans and robots working hand in hand. , 2016, , .		20
17	Robotized Inspection of Vertical Structures of a Solar Power Plant Using NDT Techniques. Robotics, 2015, 4, 103-119.	3.5	9
18	Human robot interaction in industrial robotics. Examples from research centers to industry. , 2015, , .		17

#	Article	IF	Citations
19	6DOF pose estimation of objects for robotic manipulation. A review of different options. , 2014, , .		5
20	Particle Filtering for Industrial 6DOF Visual Servoing. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 74, 689-696.	3.4	8
21	Thermal Tracking in Mobile Robots for Leak Inspection Activities. Sensors, 2013, 13, 13560-13574.	3.8	10
22	Robotic solutions for Footwear Industry. , 2012, , .		13
23	Robotics for the Benefit of Footwear Industry. Lecture Notes in Computer Science, 2012, , 235-244.	1.3	7
24	Interacting with a Robot: A Guide Robot Understanding Natural Language Instructions. Lecture Notes in Computer Science, 2012, , 185-192.	1.3	1
25	Accurate Correction of Robot Trajectories Generated by Teaching Using 3D Vision by Laser Triangulation. Lecture Notes in Computer Science, 2012, , 385-394.	1.3	0
26	Hardware Implementation of a Neural-Network Recognition Module for Visual Servoing in a Mobile Robot. , 2010, , .		3
27	Development of an embedded system for visual servoing in an industrial scenario. , 2010, , .		2
28	Dynamic Exception Handling Based on Web Services and OPC XML-DA. , 2008, , .		0
29	Experimenting Wearable Solutions for Workersâ€™ Training in Manufacturing. , 2007, , 663-671.		1