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	Human–robot collaboration in industrial applications. International Journal of Advanced Robotic Systems, 2017, 14, 172988141771601.	2.1	143
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	Potential users' key concerns and expectations for the adoption of cobots. Procedia CIRP, 2018, 72, 21-26.	1.9	57
4	Natural multimodal communication for human–robot collaboration. International Journal of Advanced Robotic Systems, 2017, 14, 172988141771604.	2.1	50
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	FourByThree: Imagine humans and robots working hand in hand. , 2016, , .		20
7	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
8	Human robot interaction in industrial robotics. Examples from research centers to industry. , 2015, , .		17
9	PIROS: Cooperative, Safe and Reconfigurable Robotic Companion for CNC Pallets Load/Unload Stations. Springer Tracts in Advanced Robotics, 2020, , 57-96.	0.4	17
10	A flexible system for gesture based human-robot interaction. Procedia CIRP, 2018, 72, 57-62.	1.9	15
11	Robotic solutions for Footwear Industry. , 2012, , .		13
12	Thermal Tracking in Mobile Robots for Leak Inspection Activities. Sensors, 2013, 13, 13560-13574.	3.8	10
13	Enhancing safe human-robot collaboration through natural multimodal communication. , 2016, , .		10
14	Robotized Inspection of Vertical Structures of a Solar Power Plant Using NDT Techniques. Robotics, 2015, 4, 103-119.	3.5	9
15	Particle Filtering for Industrial 6DOF Visual Servoing. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 74, 689-696.	3.4	8
16	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
17	Robotics for the Benefit of Footwear Industry. Lecture Notes in Computer Science, 2012, , 235-244.	1.3	7
18	6DOF pose estimation of objects for robotic manipulation. A review of different options. , 2014, , .		5

#	Article	IF	Citations
19	Use of machine vision in collaborative robotics: An industrial case. , 2016, , .		5
20	Hardware Implementation of a Neural-Network Recognition Module for Visual Servoing in a Mobile Robot. , 2010, , .		3
21	REVISITING THE END USER'S PERSPECTIVE IN COLLABORATIVE HUMAN-ROBOT INTERACTION. , 2016, , 196-204.		3
22	Towards Including Workers with Cognitive Disabilities in the Factory of the Future. , 2018, , .		3
23	Development of an embedded system for visual servoing in an industrial scenario. , 2010, , .		2
24	Non-destructive inspection in industrial equipment using robotic mobile manipulation. AIP Conference Proceedings, 2016, , .	0.4	2
25	Interacting with a Robot: A Guide Robot Understanding Natural Language Instructions. Lecture Notes in Computer Science, 2012, , 185-192.	1.3	1
26	Optimal Positioning of Mobile Platforms for Accurate Manipulation Operations. Journal of Computer and Communications, 2019, 07, 1-16.	0.9	1
27	Experimenting Wearable Solutions for Workers' Training in Manufacturing. , 2007, , 663-671.		1
28	Dynamic Exception Handling Based on Web Services and OPC XML-DA. , 2008, , .		0
29	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