

# Enrico Villagrossi

## List of Publications by Year in descending order

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19  
papers

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citations

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times ranked

214  
citing authors

#	ARTICLE	IF	CITATIONS
1	In Situ Translational Hand-Eye Calibration of Laser Profile Sensors using Arbitrary Objects. , 2021, , .		4
2	Simplify the robot programming through an action-and-skill manipulation framework. , 2021, , .		5
3	A Flexible Software Architecture for Robotic Industrial Applications. , 2020, , .		3
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	Optimal Robot Motion Planning of Redundant Robots in Machining and Additive Manufacturing Applications. Electronics (Switzerland), 2019, 8, 1437.	3.1	18
6	Successful Use Case Applications of Artificial Intelligence in the Steel Industry. , 2019, , .		1
7	Vibration Analysis of Robotic Milling Tasks. Procedia CIRP, 2018, 67, 262-267.	1.9	12
8	A virtual force sensor for interaction tasks with conventional industrial robots. Mechatronics, 2018, 50, 78-86.	3.3	29
9	A human mimicking control strategy for robotic deburring of hard materials. International Journal of Computer Integrated Manufacturing, 2018, 31, 869-880.	4.6	17
10	Sensorless model-based object-detection applied on an underactuated adaptive hand enabling an impedance behavior. Robotics and Computer-Integrated Manufacturing, 2017, 46, 38-47.	9.9	12
11	Flexible robot-based cast iron deburring cell for small batch production using single-point laser sensor. International Journal of Advanced Manufacturing Technology, 2017, 92, 1425-1438.	3.0	24
12	On the use of a temperature based friction model for a virtual force sensor in industrial robot manipulators. , 2017, , .		5
13	A general analytical procedure for robot dynamic model reduction. , 2015, , .		2
14	Design of fuzzy logic controller of industrial robot for roughing the uppers of fashion shoes. International Journal of Advanced Manufacturing Technology, 2015, 77, 939-953.	3.0	14
15	Minimization of the Energy Consumption in Motion Planning for Single-robot Tasks. Procedia CIRP, 2015, 29, 354-359.	1.9	27
16	Robot-dynamic calibration improvement by local identification. , 2014, , .		2
17	Robot Dynamic Model Identification Through Excitation Trajectories Minimizing the Correlation Influence among Essential Parameters. , 2014, , .		5
18	On robot dynamic model identification through sub-workspace evolved trajectories for optimal torque estimation. , 2013, , .		5

#	ARTICLE	IF	CITATIONS
19	Optimal robot dynamics local identification using genetic-based path planning in workspace subregions. , 2013, , .		5