

# Enrico Villagrossi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6937920/publications.pdf>

Version: 2024-02-01

19  
papers

207  
citations

1040056

9  
h-index

1474206

9  
g-index

19  
all docs

19  
docs citations

19  
times ranked

214  
citing authors

#	ARTICLE	IF	CITATIONS
1	A virtual force sensor for interaction tasks with conventional industrial robots. <i>Mechatronics</i> , 2018, 50, 78-86.	3.3	29
2	Minimization of the Energy Consumption in Motion Planning for Single-robot Tasks. <i>Procedia CIRP</i> , 2015, 29, 354-359.	1.9	27
3	Flexible robot-based cast iron deburring cell for small batch production using single-point laser sensor. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 92, 1425-1438.	3.0	24
4	Optimal Robot Motion Planning of Redundant Robots in Machining and Additive Manufacturing Applications. <i>Electronics (Switzerland)</i> , 2019, 8, 1437.	3.1	18
5	A human mimicking control strategy for robotic deburring of hard materials. <i>International Journal of Computer Integrated Manufacturing</i> , 2018, 31, 869-880.	4.6	17
6	PIROS: Cooperative, Safe and Reconfigurable Robotic Companion for CNC Pallets Load/Unload Stations. <i>Springer Tracts in Advanced Robotics</i> , 2020, , 57-96.	0.4	17
7	Design of fuzzy logic controller of industrial robot for roughing the uppers of fashion shoes. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 77, 939-953.	3.0	14
8	Sensorless model-based object-detection applied on an underactuated adaptive hand enabling an impedance behavior. <i>Robotics and Computer-Integrated Manufacturing</i> , 2017, 46, 38-47.	9.9	12
9	Vibration Analysis of Robotic Milling Tasks. <i>Procedia CIRP</i> , 2018, 67, 262-267.	1.9	12
10	On robot dynamic model identification through sub-workspace evolved trajectories for optimal torque estimation. , 2013, , .		5
11	Optimal robot dynamics local identification using genetic-based path planning in workspace subregions. , 2013, , .		5
12	Robot Dynamic Model Identification Through Excitation Trajectories Minimizing the Correlation Influence among Essential Parameters. , 2014, , .		5
13	On the use of a temperature based friction model for a virtual force sensor in industrial robot manipulators. , 2017, , .		5
14	Simplify the robot programming through an action-and-skill manipulation framework. , 2021, , .		5
15	In Situ Translational Hand-Eye Calibration of Laser Profile Sensors using Arbitrary Objects. , 2021, , .		4
16	A Flexible Software Architecture for Robotic Industrial Applications. , 2020, , .		3
17	Robot-dynamic calibration improvement by local identification. , 2014, , .		2
18	A general analytical procedure for robot dynamic model reduction. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
19	Successful Use Case Applications of Artificial Intelligence in the Steel Industry. , 2019, , .		1