

Rafael A Rojas

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23
papers

260
citations

10
h-index

15
g-index

25
ext. papers

342
ext. citations

2.4
avg, IF

4.16
L-index

#	Paper	IF	Citations
23	Enabling Connectivity of Cyber-physical Production Systems: A Conceptual Framework. <i>Procedia Manufacturing</i> , 2017 , 11, 822-829	1.5	35
22	A Maturity Level-Based Assessment Tool to Enhance the Implementation of Industry 4.0 in Small and Medium-Sized Enterprises. <i>Sustainability</i> , 2020 , 12, 3559	3.6	27
21	From a literature review to a conceptual framework of enablers for smart manufacturing control. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 104, 517-533	3.2	26
20	A human-in-the-loop cyber-physical system for collaborative assembly in smart manufacturing. <i>Procedia CIRP</i> , 2019 , 81, 600-605	1.8	25
19	Simulation Based Validation of Supply Chain Effects through ICT enabled Real-time-capability in ETO Production Planning. <i>Procedia Manufacturing</i> , 2017 , 11, 846-853	1.5	21
18	An agile scheduling and control approach in ETO construction supply chains. <i>Computers in Industry</i> , 2019 , 112, 103122	11.6	20
17	A Variational Approach to Minimum-Jerk Trajectories for Psychological Safety in Collaborative Assembly Stations. <i>IEEE Robotics and Automation Letters</i> , 2019 , 4, 823-829	4.2	20
16	An approach to optimal semi-active control of vibration energy harvesting based on MEMS. <i>Mechanical Systems and Signal Processing</i> , 2018 , 107, 291-316	7.8	19
15	Application of Axiomatic Design for the Design of a Safe Collaborative Human-Robot Assembly Workplace. <i>MATEC Web of Conferences</i> , 2018 , 223, 01003	0.3	12
14	Implementation of a Laboratory Case Study for Intuitive Collaboration Between Man and Machine in SME Assembly 2020 , 335-382		10
13	A Multicriteria Motion Planning Approach for Combining Smoothness and Speed in Collaborative Assembly Systems. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5086	2.6	10
12	Smart Shopfloor Management. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , 2018 , 113, 17-21	0.5	8
11	Object-Centered Teleoperation of Mobile Manipulators With Remote Center of Motion Constraint. <i>IEEE Robotics and Automation Letters</i> , 2019 , 4, 1745-1752	4.2	6
10	Optimal Design for the Passive Control of Vibration Based on Limit Cycles. <i>Shock and Vibration</i> , 2019 , 2019, 1-11	1.1	4
9	Mechatronic Re-Design of a Manual Assembly Workstation into a Collaborative One for Wire Harness Assemblies. <i>Robotics</i> , 2021 , 10, 43	2.8	4
8	Axiomatic Design based Design of a Software Prototype for Smart Shopfloor Management. <i>MATEC Web of Conferences</i> , 2018 , 223, 01012	0.3	4
7	Combining safety and speed in collaborative assembly systems [An approach to time optimal trajectories for collaborative robots. <i>Procedia CIRP</i> , 2021 , 97, 308-312	1.8	3

6	Designing Fast and Smooth Trajectories in Collaborative Workstations. <i>IEEE Robotics and Automation Letters</i> , 2021 , 6, 1700-1706	4.2	2
5	Smart Data Analytics in SME Manufacturing In An Axiomatic Design based Conceptual Framework. <i>MATEC Web of Conferences</i> , 2019 , 301, 00018	0.3	2
4	Automatic Planning of Psychologically Less-Stressful Trajectories in Collaborative Workstations: An Integrated Toolbox for Unskilled Users. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , 2021 , 118-126	0.6	1
3	Research Fields and Challenges to implement Cyber-Physical Production Systems in SMEs: A Literature Review. <i>Chiang Mai University Journal of Natural Sciences</i> , 2021 , 20,	1.2	1
2	Vernetzung in Cyber-Physischen Produktionssystemen. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , 2018 , 113, 165-169	0.5	
1	On the Methodologies to Compute Minimum Jerk Trajectories and Their Application in Collaborative Robotics. <i>Mechanisms and Machine Science</i> , 2022 , 589-596	0.3	