Rafael A Rojas

List of Publications by Year
in descending order

23	426	840585 11	752573 20
papers	citations	h-index	g-index

25	25	25	398
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Maturity Level-Based Assessment Tool to Enhance the Implementation of Industry 4.0 in Small and Medium-Sized Enterprises. Sustainability, 2020, 12, 3559.	1.6	58
2	A human-in-the-loop cyber-physical system for collaborative assembly in smart manufacturing. Procedia CIRP, 2019, 81, 600-605.	1.0	52
3	From a literature review to a conceptual framework of enablers for smart manufacturing control. International Journal of Advanced Manufacturing Technology, 2019, 104, 517-533.	1.5	40
4	Enabling Connectivity of Cyber-physical Production Systems: A Conceptual Framework. Procedia Manufacturing, 2017, 11, 822-829.	1.9	39
5	An agile scheduling and control approach in ETO construction supply chains. Computers in Industry, 2019, 112, 103122.	5.7	38
6	An approach to optimal semi-active control of vibration energy harvesting based on MEMS. Mechanical Systems and Signal Processing, 2018, 107, 291-316.	4.4	30
7	Simulation Based Validation of Supply Chain Effects through ICT enabled Real-time-capability in ETO Production Planning. Procedia Manufacturing, 2017, 11, 846-853.	1.9	29
8	A Variational Approach to Minimum-Jerk Trajectories for Psychological Safety in Collaborative Assembly Stations. IEEE Robotics and Automation Letters, 2019, 4, 823-829.	3.3	29
9	A Multicriteria Motion Planning Approach for Combining Smoothness and Speed in Collaborative Assembly Systems. Applied Sciences (Switzerland), 2020, 10, 5086.	1.3	21
10	Application of Axiomatic Design for the Design of a Safe Collaborative Human-Robot Assembly Workplace. MATEC Web of Conferences, 2018, 223, 01003.	0.1	13
11	Combining safety and speed in collaborative assembly systems â€“ An approach to time optimal trajectories for collaborative robots. Procedia CIRP, 2021, 97, 308-312.	1.0	12
12	Mechatronic Re-Design of a Manual Assembly Workstation into a Collaborative One for Wire Harness Assemblies. Robotics, 2021, 10, 43.	2.1	12
13	Implementation of a Laboratory Case Study for Intuitive Collaboration Between Man and Machine in SME Assembly. , 2020, , 335-382.		12
14	Smart Shopfloor Management. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2018, 113, 17-21.	0.2	9
15	Object-Centered Teleoperation of Mobile Manipulators With Remote Center of Motion Constraint. IEEE Robotics and Automation Letters, 2019, 4, 1745-1752.	3.3	7
16	Axiomatic Design based Design of a Software Prototype for Smart Shopfloor Management. MATEC Web of Conferences, 2018, 223, 01012.	0.1	6
17	Optimal Design for the Passive Control of Vibration Based on Limit Cycles. Shock and Vibration, 2019, 2019, 1-11.	0.3	5
18	Designing Fast and Smooth Trajectories in Collaborative Workstations. IEEE Robotics and Automation Letters, 2021, 6, 1700-1706.	3.3	4

#	Article	IF	Citations
19	Smart Data Analytics in SME Manufacturing â€“ an Axiomatic Design based Conceptual Framework. MATEC Web of Conferences, 2019, 301, 00018.	0.1	3
20	Research Fields and Challenges to implement Cyber-Physical Production Systems in SMEs: A Literature Review. Chiang Mai University Journal of Natural Sciences, 2021, 20, .	0.1	2
21	Online Computation of Time-Optimization-Based, Smooth and Path-Consistent Stop Trajectories for Robots. Robotics, 2022, 11, 70.	2.1	2
22	Application of Axiomatic Design for the Development of Robotic Semi- and Fully Automated Assembly Processes: Two Case Studies. , 2021, , .		1
23	Vernetzung in Cyber-Physischen Produktionssystemen. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2018, 113, 165-169.	0.2	0