

# Dario Antonelli

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

857  
citations

471509

17  
h-index

580821

25  
g-index

88  
all docs

88  
docs citations

88  
times ranked

742  
citing authors

#	ARTICLE	IF	CITATIONS
1	A structured methodology to support human-robot collaboration configuration choice. <i>Production Engineering</i> , 2022, 16, 435-451.	2.3	10
2	Machine Learning Framework for the Sustainable Maintenance of Building Facilities. <i>Sustainability</i> , 2022, 14, 681.	3.2	5
3	Systems Engineering: Availability and Reliability. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2504.	2.5	2
4	Evaluating the effect of learning rate, batch size and assignment strategies on the production performance. <i>Journal of Industrial and Production Engineering</i> , 2021, 38, 137-147.	3.1	1
5	Mapping Industry 4.0 Enabling Technologies into United Nations Sustainability Development Goals. <i>Sustainability</i> , 2021, 13, 2560.	3.2	61
6	Proposal of a Monitoring System for Collaborative Robots to Predict Outages and to Assess Reliability Factors Exploiting Machine Learning. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1621.	2.5	23
7	IoT Open-Source Architecture for the Maintenance of Building Facilities. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5374.	2.5	42
8	Robust assembly sequence generation in a Human-Robot Collaborative workcell by reinforcement learning. <i>FME Transactions</i> , 2021, 49, 851-858.	1.4	3
9	Towards 5-DoF Control of an Untethered Magnetic Millirobot via MRI Gradient Coils. , 2020, , .		10
10	dP-FMEA: An innovative Failure Mode and Effects Analysis for distributed manufacturing processes. <i>Quality Engineering</i> , 2020, 32, 267-285.	1.1	17
11	A new optimal control of obstacle avoidance for safer autonomous driving. , 2019, , .		2
12	Human factor in intelligent manufacturing systems - knowledge acquisition and motivation. <i>Procedia CIRP</i> , 2019, 79, 718-723.	1.9	32
13	Application of numerical simulation for the estimation of die life after repeated hot forging work cycles. <i>Procedia CIRP</i> , 2019, 79, 632-637.	1.9	8
14	Tiphys: An Open Networked Platform for Higher Education on Industry 4.0. <i>Procedia CIRP</i> , 2019, 79, 706-711.	1.9	9
15	Analysis of Cooperative Industrial Task Execution by Mobile and Manipulator Robots. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 248-260.	0.4	7
16	Human-robot collaborative work cell implementation through lean thinking. <i>International Journal of Computer Integrated Manufacturing</i> , 2019, 32, 580-595.	4.6	22
17	Predicting and preventing mistakes in human-robot collaborative assembly. <i>IFAC-PapersOnLine</i> , 2019, 52, 743-748.	0.9	11
18	Task-based Programming and Sequence Planning for Human-Robot Collaborative Assembly. <i>IFAC-PapersOnLine</i> , 2019, 52, 1638-1643.	0.9	17

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19	Dynamic distribution of assembly tasks in a collaborative workcell of humans and robots. FME Transactions, 2019, 47, 723-730.	1.4	27
20	Human factor in industry of the future: Knowledge acquisition and motivation. FME Transactions, 2019, 47, 823-830.	1.4	5
21	Assessment of Failures in Collaborative Human-Robot Assembly Workcells. IFIP Advances in Information and Communication Technology, 2019, , 562-571.	0.7	1
22	Key Performance Indicators Integrating Collaborative and Mobile Robots in the Factory Networks. IFIP Advances in Information and Communication Technology, 2019, , 635-642.	0.7	3
23	Neural Network Multiobjective Optimization of Hot Forging. Procedia CIRP, 2018, 67, 498-503.	1.9	15
24	Combining factory simulation with value stream mapping: a critical discussion. Procedia CIRP, 2018, 67, 30-35.	1.9	28
25	Analysis of patient flows in elective surgery: modelling and optimisation of the hospitalisation process. International Journal of Services and Operations Management, 2018, 31, 513.	0.2	0
26	Multiple System Dynamics and Discrete Event Simulation for manufacturing system performance evaluation. Procedia CIRP, 2018, 78, 178-183.	1.9	18
27	Dynamic task classification and assignment for the management of human-robot collaborative teams in workcells. International Journal of Advanced Manufacturing Technology, 2018, 98, 2415-2427.	3.0	78
28	Ontology-Based Platform for Sharing Knowledge on Industry 4.0. IFIP Advances in Information and Communication Technology, 2018, , 377-385.	0.7	4
29	Analysis of patient flows in elective surgery: modelling and optimisation of the hospitalisation process. International Journal of Services and Operations Management, 2018, 31, 513.	0.2	0
30	Work Sequence Analysis and Computer Simulations of Value Flow and Workers' Relocations: A Case Study. Procedia CIRP, 2017, 62, 159-164.	1.9	3
31	Reflective workpiece detection and localization for flexible robotic cells. Robotics and Computer-Integrated Manufacturing, 2017, 44, 190-198.	9.9	26
32	Ontology-Based Framework to Design a Collaborative Human-Robotic Workcell. IFIP Advances in Information and Communication Technology, 2017, , 167-174.	0.7	5
33	Human-Robot Collaboration Using Industrial Robots. , 2017, , .		3
34	Variational Analysis for CNC Milling Process. Procedia CIRP, 2016, 43, 118-123.	1.9	9
35	Classification and efficiency estimation of mistake proofing solutions by Fuzzy Inference. IFAC-PapersOnLine, 2016, 49, 1134-1139.	0.9	3
36	Optimal Selection of the Workpiece Recognition Parameters by Minimizing the Total Error Cost. IFAC-PapersOnLine, 2016, 49, 1424-1429.	0.9	2

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37	Applicability of Human-Robot Collaboration to Small Batch Production. IFIP Advances in Information and Communication Technology, 2016, , 24-32.	0.7	21
38	Qualification of a Collaborative Human-robot Welding Cell. Procedia CIRP, 2016, 41, 352-357.	1.9	19
39	Chapter eight Product configuration for order acquisition and fulfillment. , 2016, , 165-192.		0
40	Graph-based models to classify effective collaboration in SME networks. International Journal of Production Research, 2015, 53, 6198-6209.	7.5	13
41	A Reference Ontology to Support Product Lifecycle Management. Procedia CIRP, 2015, 33, 41-46.	1.9	33
42	MeTA. ACM Transactions on Intelligent Systems and Technology, 2015, 6, 1-25.	4.5	10
43	Enhancing the Quality of Manual Spot Welding through Augmented Reality Assisted Guidance. Procedia CIRP, 2015, 33, 556-561.	1.9	20
44	Application of Process Mining and Semantic Structuring Towards a Lean Healthcare Network. IFIP Advances in Information and Communication Technology, 2015, , 497-508.	0.7	6
45	Application of value stream mapping and possibilities of manufacturing processes simulations in automotive. FME Transactions, 2015, 43, 279-286.	1.4	13
46	Exploitation of a Semantic Platform to Store and Reuse PLM Knowledge. Lecture Notes in Computer Science, 2014, , 59-66.	1.3	18
47	FREE: Flexible and Safe Interactive Human-Robot Environment for Small Batch Exacting Applications. Springer Tracts in Advanced Robotics, 2014, , 47-62.	0.4	3
48	Introducing Collaborative Practices in Small Medium Enterprises. International Journal of Computers, Communications and Control, 2014, 5, 8.	1.8	2
49	Simulation-Based Analysis of Patient Flow in Elective Surgery. Springer Proceedings in Mathematics and Statistics, 2014, , 87-97.	0.2	3
50	FREE: Flexible and Safe Interactive Human-Robot Environment for Small Batch Exacting Applications. Springer Tracts in Advanced Robotics, 2014, , 47-62.	0.4	0
51	Training by Demonstration for Welding Robots by Optical Trajectory Tracking. Procedia CIRP, 2013, 12, 145-150.	1.9	11
52	Analysis of diabetic patients through their examination history. Expert Systems With Applications, 2013, 40, 4672-4678.	7.6	31
53	Anomaly detection in medical treatment to discover unusual patient management. IIE Transactions on Healthcare Systems Engineering, 2013, 3, 69-77.	0.8	10
54	Information System and Systems Thinking: a Compulsory Marriage?. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1780-1785.	0.4	1

#	ARTICLE	IF	CITATIONS
55	Extraction of Medical Pathways from Electronic Patient Records. , 2013, , 1004-1018.		2
56	Conditions for Effective Collaboration in SME Networks Based on Graph Model. IFIP Advances in Information and Communication Technology, 2013, , 129-136.	0.7	3
57	Introducing Product Lifecycle Management to Small Medium Enterprises: discussion and analysis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1059-1064.	0.4	4
58	Territory as a Driver to Collaboration inside Industry Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 649-654.	0.4	0
59	Analysis of diagnostic pathways for colon cancer. Flexible Services and Manufacturing Journal, 2012, 24, 379-399.	3.4	13
60	An integrated methodology for the analysis of collaboration in industry networks. Journal of Intelligent Manufacturing, 2012, 23, 2443-2450.	7.3	6
61	Extraction of Medical Pathways from Electronic Patient Records. Advances in Medical Technologies and Clinical Practice Book Series, 2012, , 273-289.	0.3	2
62	Identifying and exploiting the collaboration factors inside SMEs networks. International Journal of Networking and Virtual Organisations, 2011, 9, 382.	0.2	10
63	A Methodology for the Selection of Micro-Assembly Techniques. American Journal of Engineering and Applied Sciences, 2010, 3, 718-722.	0.6	7
64	Application of a patient flow model to a surgery department. , 2010, , .		4
65	Study and integration of microtechnologies for smart assembly of hybrid micro-products. International Journal of Mechatronics and Manufacturing Systems, 2009, 2, 265.	0.1	3
66	Joint Planning of Product / Process Configuration. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 58-62.	0.4	1
67	Analysis of Potential Collaborations in SME Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 2059-2064.	0.4	5
68	Analysing Collaborative Demand and Supply Networks in a Global Economy. , 2009, , 1-21.		4
69	Transferability of Industrial Management Concepts to Healthcare Networks. IFIP Advances in Information and Communication Technology, 2009, , 266-273.	0.7	2
70	The CODESNET Website: a Portal Supporting SME Network Innovation. , 2009, , 145-179.		0
71	Extending group technology to the identification and the analysis of enterprises networks. International Journal of Production Research, 2007, 45, 3881-3892.	7.5	2
72	MODELLING INDUSTRIAL DISTRICTS FOR PERFORMANCE EVALUATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 227-232.	0.4	0

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73	Mass-Customized Production in a SME Network. , 2007, , 79-86.		3
74	A Procedure for the Analysis of Industrial Networks. , 2007, , 649-656.		0
75	Network Analysis by the Codesnet Approach. , 2007, , 67-74.		2
76	ANALYSIS OF COLLABORATIVE NETWORKS USING THE EXTREMAL GRAPH THEORY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 517-522.	0.4	0
77	A METHODOLOGY FOR PERFORMANCE ANALYSIS OF SMEs NETWORKS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 605-610.	0.4	1
78	Analysing collaborative demand and supply networks of SMEs. International Journal of Networking and Virtual Organisations, 2006, 3, 128.	0.2	8
79	Application of a Decision Making Method to Improve an Industrial Hot Extrusion Forging Process. CIRP Annals - Manufacturing Technology, 1999, 48, 195-198.	3.6	5
80	Resin transfer moulding: mathematical modelling and numerical simulations. Composites Part A: Applied Science and Manufacturing, 1999, 30, 1367-1385.	7.6	23
81	Computation of the thermal field in tools during machining processes. Mathematical and Computer Modelling, 1995, 21, 53-68.	2.0	7