

# 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	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
2	Mapping Industry 4.0 Enabling Technologies into United Nations Sustainability Development Goals. Sustainability, 2021, 13, 2560.	3.2	61
3	IoT Open-Source Architecture for the Maintenance of Building Facilities. Applied Sciences (Switzerland), 2021, 11, 5374.	2.5	42
4	A Reference Ontology to Support Product Lifecycle Management. Procedia CIRP, 2015, 33, 41-46.	1.9	33
5	Human factor in intelligent manufacturing systems - knowledge acquisition and motivation. Procedia CIRP, 2019, 79, 718-723.	1.9	32
6	Analysis of diabetic patients through their examination history. Expert Systems With Applications, 2013, 40, 4672-4678.	7.6	31
7	Combining factory simulation with value stream mapping: a critical discussion. Procedia CIRP, 2018, 67, 30-35.	1.9	28
8	Dynamic distribution of assembly tasks in a collaborative workcell of humans and robots. FME Transactions, 2019, 47, 723-730.	1.4	27
9	Reflective workpiece detection and localization for flexible robotic cells. Robotics and Computer-Integrated Manufacturing, 2017, 44, 190-198.	9.9	26
10	Resin transfer moulding: mathematical modelling and numerical simulations. Composites Part A: Applied Science and Manufacturing, 1999, 30, 1367-1385.	7.6	23
11	Proposal of a Monitoring System for Collaborative Robots to Predict Outages and to Assess Reliability Factors Exploiting Machine Learning. Applied Sciences (Switzerland), 2021, 11, 1621.	2.5	23
12	Human-robot collaborative work cell implementation through lean thinking. International Journal of Computer Integrated Manufacturing, 2019, 32, 580-595.	4.6	22
13	Applicability of Human-Robot Collaboration to Small Batch Production. IFIP Advances in Information and Communication Technology, 2016, , 24-32.	0.7	21
14	Enhancing the Quality of Manual Spot Welding through Augmented Reality Assisted Guidance. Procedia CIRP, 2015, 33, 556-561.	1.9	20
15	Qualification of a Collaborative Human-robot Welding Cell. Procedia CIRP, 2016, 41, 352-357.	1.9	19
16	Exploitation of a Semantic Platform to Store and Reuse PLM Knowledge. Lecture Notes in Computer Science, 2014, , 59-66.	1.3	18
17	Multiple System Dynamics and Discrete Event Simulation for manufacturing system performance evaluation. Procedia CIRP, 2018, 78, 178-183.	1.9	18
18	Task-based Programming and Sequence Planning for Human-Robot Collaborative Assembly. IFAC-PapersOnLine, 2019, 52, 1638-1643.	0.9	17

#	ARTICLE	IF	CITATIONS
19	dP-FMEA: An innovative <i>Failure Mode and Effects Analysis</i> for distributed manufacturing processes. Quality Engineering, 2020, 32, 267-285.	1.1	17
20	Neural Network Multiobjective Optimization of Hot Forging. Procedia CIRP, 2018, 67, 498-503.	1.9	15
21	Analysis of diagnostic pathways for colon cancer. Flexible Services and Manufacturing Journal, 2012, 24, 379-399.	3.4	13
22	Graph-based models to classify effective collaboration in SME networks. International Journal of Production Research, 2015, 53, 6198-6209.	7.5	13
23	Application of value stream mapping and possibilities of manufacturing processes simulations in automotive. FME Transactions, 2015, 43, 279-286.	1.4	13
24	Training by Demonstration for Welding Robots by Optical Trajectory Tracking. Procedia CIRP, 2013, 12, 145-150.	1.9	11
25	Predicting and preventing mistakes in human-robot collaborative assembly. IFAC-PapersOnLine, 2019, 52, 743-748.	0.9	11
26	Identifying and exploiting the collaboration factors inside SMEs networks. International Journal of Networking and Virtual Organisations, 2011, 9, 382.	0.2	10
27	Anomaly detection in medical treatment to discover unusual patient management. IIE Transactions on Healthcare Systems Engineering, 2013, 3, 69-77.	0.8	10
28	MeTA. ACM Transactions on Intelligent Systems and Technology, 2015, 6, 1-25.	4.5	10
29	Towards 5-DoF Control of an Untethered Magnetic Millirobot via MRI Gradient Coils. , 2020, , .		10
30	A structured methodology to support human-robot collaboration configuration choice. Production Engineering, 2022, 16, 435-451.	2.3	10
31	Variational Analysis for CNC Milling Process. Procedia CIRP, 2016, 43, 118-123.	1.9	9
32	Tiphys: An Open Networked Platform for Higher Education on Industry 4.0. Procedia CIRP, 2019, 79, 706-711.	1.9	9
33	Analysing collaborative demand and supply networks of SMEs. International Journal of Networking and Virtual Organisations, 2006, 3, 128.	0.2	8
34	Application of numerical simulation for the estimation of die life after repeated hot forging work cycles. Procedia CIRP, 2019, 79, 632-637.	1.9	8
35	Computation of the thermal field in tools during machining processes. Mathematical and Computer Modelling, 1995, 21, 53-68.	2.0	7
36	A Methodology for the Selection of Micro-Assembly Techniques. American Journal of Engineering and Applied Sciences, 2010, 3, 718-722.	0.6	7

#	ARTICLE	IF	CITATIONS
37	Analysis of Cooperative Industrial Task Execution by Mobile and Manipulator Robots. Lecture Notes in Mechanical Engineering, 2019, , 248-260.	0.4	7
38	An integrated methodology for the analysis of collaboration in industry networks. Journal of Intelligent Manufacturing, 2012, 23, 2443-2450.	7.3	6
39	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
40	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
41	Analysis of Potential Collaborations in SME Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 2059-2064.	0.4	5
42	Ontology-Based Framework to Design a Collaborative Human-Robotic Workcell. IFIP Advances in Information and Communication Technology, 2017, , 167-174.	0.7	5
43	Human factor in industry of the future: Knowledge acquisition and motivation. FME Transactions, 2019, 47, 823-830.	1.4	5
44	Machine Learning Framework for the Sustainable Maintenance of Building Facilities. Sustainability, 2022, 14, 681.	3.2	5
45	Application of a patient flow model to a surgery department. , 2010, , .		4
46	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
47	Analysing Collaborative Demand and Supply Networks in a Global Economy. , 2009, , 1-21.		4
48	Ontology-Based Platform for Sharing Knowledge on Industry 4.0. IFIP Advances in Information and Communication Technology, 2018, , 377-385.	0.7	4
49	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
50	Classification and efficiency estimation of mistake proofing solutions by Fuzzy Inference. IFAC-PapersOnLine, 2016, 49, 1134-1139.	0.9	3
51	Work Sequence Analysis and Computer Simulations of Value Flow and Workersâ€™ Relocations: A Case Study. Procedia CIRP, 2017, 62, 159-164.	1.9	3
52	Mass-Customized Production in a SME Network. , 2007, , 79-86.		3
53	FREE: Flexible and Safe Interactive Human-Robot Environment for Small Batch Exacting Applications. Springer Tracts in Advanced Robotics, 2014, , 47-62.	0.4	3
54	Conditions for Effective Collaboration in SME Networks Based on Graph Model. IFIP Advances in Information and Communication Technology, 2013, , 129-136.	0.7	3

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55	Simulation-Based Analysis of Patient Flow in Elective Surgery. Springer Proceedings in Mathematics and Statistics, 2014, , 87-97.	0.2	3
56	Human-Robot Collaboration Using Industrial Robots. , 2017, , .		3
57	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
58	Robust assembly sequence generation in a Human-Robot Collaborative workcell by reinforcement learning. FME Transactions, 2021, 49, 851-858.	1.4	3
59	Extending group technology to the identification and the analysis of enterprises networks. International Journal of Production Research, 2007, 45, 3881-3892.	7.5	2
60	Optimal Selection of the Workpiece Recognition Parameters by Minimizing the Total Error Cost. IFAC-PapersOnLine, 2016, 49, 1424-1429.	0.9	2
61	A new optimal control of obstacle avoidance for safer autonomous driving. , 2019, , .		2
62	Introducing Collaborative Practices in Small Medium Enterprises. International Journal of Computers, Communications and Control, 2014, 5, 8.	1.8	2
63	Extraction of Medical Pathways from Electronic Patient Records. Advances in Medical Technologies and Clinical Practice Book Series, 2012, , 273-289.	0.3	2
64	Network Analysis by the Codesnet Approach. , 2007, , 67-74.		2
65	Transferability of Industrial Management Concepts to Healthcare Networks. IFIP Advances in Information and Communication Technology, 2009, , 266-273.	0.7	2
66	Extraction of Medical Pathways from Electronic Patient Records. , 2013, , 1004-1018.		2
67	Systems Engineering: Availability and Reliability. Applied Sciences (Switzerland), 2022, 12, 2504.	2.5	2
68	A METHODOLOGY FOR PERFORMANCE ANALYSIS OF SMEs NETWORKS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 605-610.	0.4	1
69	Joint Planning of Product / Process Configuration. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 58-62.	0.4	1
70	Information System and Systems Thinking: a Compulsory Marriage?. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1780-1785.	0.4	1
71	Evaluating the effect of learning rate, batch size and assignment strategies on the production performance. Journal of Industrial and Production Engineering, 2021, 38, 137-147.	3.1	1
72	Assessment of Failures in Collaborative Human-Robot Assembly Workcells. IFIP Advances in Information and Communication Technology, 2019, , 562-571.	0.7	1

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73	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
74	MODELLING INDUSTRIAL DISTRICTS FOR PERFORMANCE EVALUATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 227-232.	0.4	0
75	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
76	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
77	A Procedure for the Analysis of Industrial Networks. , 2007, , 649-656.		0
78	FREE: Flexible and Safe Interactive Human-Robot Environment for Small Batch Exacting Applications. Springer Tracts in Advanced Robotics, 2014, , 47-62.	0.4	0
79	Chapter eight Product configuration for order acquisition and fulfillment. , 2016, , 165-192.		0
80	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
81	The CODESNET Website: a Portal Supporting SME Network Innovation. , 2009, , 145-179.		0