Elisa Negri

List of Publications by Year
in descending order

29 papers	2,405 citations	471509 17 h-index	501196 28 g-index
31 all docs	31 docs citations	31 times ranked	1785 citing authors

#	Article	IF	Citations
1	How the technologies underlying cyber-physical systems support the reconfigurability capability in manufacturing: a literature review. International Journal of Production Research, 2023, 61, 3122-3144.	7.5	7
2	Field-synchronized Digital Twin framework for production scheduling with uncertainty. Journal of Intelligent Manufacturing, 2021, 32, 1207-1228.	7.3	75
3	A decision-making framework for dynamic scheduling of cyber-physical production systems based on digital twins. Annual Reviews in Control, 2021, 51, 357-373.	7.9	101
4	Architecture for Data Acquisition in Research and Teaching Laboratories. Procedia Computer Science, 2021, 180, 833-842.	2.0	7
5	A virtual commissioning based methodology to integrate digital twins into manufacturing systems. Production Engineering, 2021, 15, 397-412.	2.3	31
6	A Digital Twin-based Predictive Strategy for Workload Control. IFAC-PapersOnLine, 2021, 54, 743-748.	0.9	6
7	MES-integrated digital twin frameworks. Journal of Manufacturing Systems, 2020, 56, 58-71.	13.9	90
8	Open Interfaces for Connecting Automated Guided Vehicles to a Fleet Management System. Procedia Manufacturing, 2020, 42, 406-413.	1.9	9
9	An integrated simulation paradigm for lifecycle-covering maintenance in the Industry 4.0 context. IFAC-PapersOnLine, 2020, 53, 307-312.	0.9	3
10	A Review of the Roles of Digital Twin in CPS-Based Production Systems. , 2020, , 291-307.		21
11	Review of digital twin applications in manufacturing. Computers in Industry, 2019, 113, 103130.	9.9	422
12	FMU-supported simulation for CPS Digital Twin. Procedia Manufacturing, 2019, 28, 201-206.	1.9	56
13	Framework for simulation software selection. Journal of Simulation, 2019, 13, 286-303.	1.5	24
14	Generic platform for manufacturing execution system functions in knowledge-driven manufacturing systems. International Journal of Computer Integrated Manufacturing, 2018, 31, 262-274.	4.6	28
15	Exploring the role of Digital Twin for Asset Lifecycle Management. IFAC-PapersOnLine, 2018, 51, 790-795.	0.9	140
16	Distributed control via modularized CPS architecture Lessons learnt from an industrial case study. IFAC-PapersOnLine, 2018, 51, 803-808.	0.9	6
17	Clarifying Data Analytics Concepts for Industrial Engineering. IFAC-PapersOnLine, 2018, 51, 820-825.	0.9	23
18	A novel scheduling framework: integrating genetic algorithms and discrete event simulation. International Journal of Management and Decision Making, 2018, 17, 371.	0.1	5

#	Article	IF	Citations
19	Modelling internal logistics systems through ontologies. Computers in Industry, 2017, 88, 19-34.	9.9	32
20	A Maturity Model for Assessing the Digital Readiness of Manufacturing Companies. IFIP Advances in Information and Communication Technology, 2017, , 13-20.	0.7	155
21	A Review of the Roles of Digital Twin in CPS-based Production Systems. Procedia Manufacturing, 2017, 11, 939-948.	1.9	917
22	Lean Thinking in the Digital Era. IFIP Advances in Information and Communication Technology, 2017, , 371-381.	0.7	22
23	Guiding manufacturing companies towards digitalization a methodology for supporting manufacturing companies in defining their digitalization roadmap. , 2017, , .		54
24	Requirements and languages for the semantic representation of manufacturing systems. Computers in Industry, 2016, 81, 55-66.	9.9	84
25	Economic and environmental impact assessment through system dynamics of technology-enhanced maintenance services. International Journal of Industrial and Systems Engineering, 2016, 23, 36.	0.2	6
26	Continuous improvement planning through sustainability assessment of product-service systems. International Journal of Productivity and Quality Management, 2016, 18, 168.	0.2	12
27	Role of Ontologies for CPS Implementation in Manufacturing. Management and Production Engineering Review, 2015, 6, 26-32.	1.4	34
28	Ontology for Service-Based Control of Production Systems. IFIP Advances in Information and Communication Technology, 2015, , 484-492.	0.7	9
29	Ontology-Based Modeling of Manufacturing and Logistics Systems for a New MES Architecture. Lecture Notes in Computer Science, 2014, , 192-200.	1.3	24