

Elisa Negri

List of Publications by Year in descending order

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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	A Review of the Roles of Digital Twin in CPS-based Production Systems. <i>Procedia Manufacturing</i> , 2017, 11, 939-948.	1.9	917
2	Review of digital twin applications in manufacturing. <i>Computers in Industry</i> , 2019, 113, 103130.	9.9	422
3	A Maturity Model for Assessing the Digital Readiness of Manufacturing Companies. <i>IFIP Advances in Information and Communication Technology</i> , 2017, , 13-20.	0.7	155
4	Exploring the role of Digital Twin for Asset Lifecycle Management. <i>IFAC-PapersOnLine</i> , 2018, 51, 790-795.	0.9	140
5	A decision-making framework for dynamic scheduling of cyber-physical production systems based on digital twins. <i>Annual Reviews in Control</i> , 2021, 51, 357-373.	7.9	101
6	MES-integrated digital twin frameworks. <i>Journal of Manufacturing Systems</i> , 2020, 56, 58-71.	13.9	90
7	Requirements and languages for the semantic representation of manufacturing systems. <i>Computers in Industry</i> , 2016, 81, 55-66.	9.9	84
8	Field-synchronized Digital Twin framework for production scheduling with uncertainty. <i>Journal of Intelligent Manufacturing</i> , 2021, 32, 1207-1228.	7.3	75
9	FMU-supported simulation for CPS Digital Twin. <i>Procedia Manufacturing</i> , 2019, 28, 201-206.	1.9	56
10	Guiding manufacturing companies towards digitalization a methodology for supporting manufacturing companies in defining their digitalization roadmap. , 2017, , .		54
11	Role of Ontologies for CPS Implementation in Manufacturing. <i>Management and Production Engineering Review</i> , 2015, 6, 26-32.	1.4	34
12	Modelling internal logistics systems through ontologies. <i>Computers in Industry</i> , 2017, 88, 19-34.	9.9	32
13	A virtual commissioning based methodology to integrate digital twins into manufacturing systems. <i>Production Engineering</i> , 2021, 15, 397-412.	2.3	31
14	Generic platform for manufacturing execution system functions in knowledge-driven manufacturing systems. <i>International Journal of Computer Integrated Manufacturing</i> , 2018, 31, 262-274.	4.6	28
15	Framework for simulation software selection. <i>Journal of Simulation</i> , 2019, 13, 286-303.	1.5	24
16	Ontology-Based Modeling of Manufacturing and Logistics Systems for a New MES Architecture. <i>Lecture Notes in Computer Science</i> , 2014, , 192-200.	1.3	24
17	Clarifying Data Analytics Concepts for Industrial Engineering. <i>IFAC-PapersOnLine</i> , 2018, 51, 820-825.	0.9	23
18	Lean Thinking in the Digital Era. <i>IFIP Advances in Information and Communication Technology</i> , 2017, , 371-381.	0.7	22

#	ARTICLE	IF	CITATIONS
19	A Review of the Roles of Digital Twin in CPS-Based Production Systems. , 2020, , 291-307.		21
20	Continuous improvement planning through sustainability assessment of product-service systems. International Journal of Productivity and Quality Management, 2016, 18, 168.	0.2	12
21	Ontology for Service-Based Control of Production Systems. IFIP Advances in Information and Communication Technology, 2015, , 484-492.	0.7	9
22	Open Interfaces for Connecting Automated Guided Vehicles to a Fleet Management System. Procedia Manufacturing, 2020, 42, 406-413.	1.9	9
23	Architecture for Data Acquisition in Research and Teaching Laboratories. Procedia Computer Science, 2021, 180, 833-842.	2.0	7
24	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
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	Distributed control via modularized CPS architecture Lessons learnt from an industrial case study. IFAC-PapersOnLine, 2018, 51, 803-808.	0.9	6
27	A Digital Twin-based Predictive Strategy for Workload Control. IFAC-PapersOnLine, 2021, 54, 743-748.	0.9	6
28	A novel scheduling framework: integrating genetic algorithms and discrete event simulation. International Journal of Management and Decision Making, 2018, 17, 371.	0.1	5
29	An integrated simulation paradigm for lifecycle-covering maintenance in the Industry 4.0 context. IFAC-PapersOnLine, 2020, 53, 307-312.	0.9	3