

Olivier Cardin

List of Publications by Year in descending order

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52
papers

668
citations

706676

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59
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59
docs citations

59
times ranked

582
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Use of Human Operator Digital Twins in Industrial Cyber-Physical Systems: Ethical Implications. IFAC-PapersOnLine, 2022, 55, 360-365.	0.5	2
2	Aggregation Patterns in Holonic Manufacturing Systems. Studies in Computational Intelligence, 2022, , 3-15.	0.7	3
3	Industry 4.0: contributions of holonic manufacturing control architectures and future challenges. Journal of Intelligent Manufacturing, 2021, 32, 1797-1818.	4.4	66
4	A Multi-agent Model for the Multi-plant Multi-product Physical Internet Supply Chain Network. Studies in Computational Intelligence, 2021, , 435-448.	0.7	1
5	Proposition of an Enrichment for Holon Internal Structure: Introduction of Model and KPI Layers. Studies in Computational Intelligence, 2021, , 169-180.	0.7	0
6	Ten years of SOHOMA Workshop Proceedings: A Bibliometric Analysis and Leading Trends. Studies in Computational Intelligence, 2021, , 151-168.	0.7	0
7	Multi-protocol Communication Tool for Virtualized Cyber Manufacturing Systems. Studies in Computational Intelligence, 2021, , 385-397.	0.7	2
8	A Systematic Literature Review of Successful Implementation of Industry 4.0 Technologies in Companies: Synthesis of the IPSI Framework. Applied Sciences (Switzerland), 2021, 11, 8917.	1.3	2
9	A Q-Learning Rescheduling Approach to the Flexible Job Shop Problem Combining Energy and Productivity Objectives. Sustainability, 2021, 13, 13016.	1.6	6
10	Designing the Digital Twins of Reconfigurable Manufacturing Systems: application on a smart factory. IFAC-PapersOnLine, 2021, 54, 874-879.	0.5	11
11	Health-Related Parameters for Evaluation Methodologies of Human Operators in Industry: A Systematic Literature Review. Sustainability, 2021, 13, 13387.	1.6	3
12	Heterogeneous Communication Middleware for Digital Twin Based Cyber Manufacturing Systems. Studies in Computational Intelligence, 2020, , 146-157.	0.7	12
13	Energy-Aware Resources in Digital Twin: The Case of Injection Moulding Machines. Studies in Computational Intelligence, 2020, , 183-194.	0.7	9
14	Towards a digital twin for cyber-physical production systems. , 2020, , .		5
15	Heuristics for Robots-Humans Tasks Assignment in a Containers Loading Center. IFAC-PapersOnLine, 2019, 52, 13-18.	0.5	13
16	Classification of cyber-physical production systems applications: Proposition of an analysis framework. Computers in Industry, 2019, 104, 11-21.	5.7	96
17	A Model Driven Approach for Automated Generation of Service-Oriented Holonic Manufacturing Systems. Studies in Computational Intelligence, 2019, , 183-196.	0.7	3
18	Scientific Discussion: Open Reviews of "ARTI Reference Architecture" PROSA Revisited. Studies in Computational Intelligence, 2019, , 20-37.	0.7	3

#	ARTICLE	IF	CITATIONS
19	H2CM-Based Holonic Modelling of a Gas Pipeline. Studies in Computational Intelligence, 2018, , 407-419.	0.7	0
20	Evolution of holonic control architectures towards Industry 4.0: A short overview. IFAC-PapersOnLine, 2018, 51, 1243-1248.	0.5	30
21	Proposition of an Implementation Framework Enabling Benchmarking of Holonic Manufacturing Systems. Studies in Computational Intelligence, 2018, , 267-280.	0.7	3
22	Trusted Services for Cyber Manufacturing Systems. Studies in Computational Intelligence, 2018, , 359-370.	0.7	5
23	Coupling predictive scheduling and reactive control in manufacturing hybrid control architectures: state of the art and future challenges. Journal of Intelligent Manufacturing, 2017, 28, 1503-1517.	4.4	70
24	Performance evaluation of holonic control of a switch arrival system. Concurrent Engineering Research and Applications, 2017, 25, 19-29.	2.0	1
25	Future Industrial Systems: Best Practices of the Intelligent Manufacturing and Services Systems (IMS2) French Research Group. IEEE Transactions on Industrial Informatics, 2017, 13, 704-713.	7.2	36
26	Input data management for energy related discrete event simulation modelling. Journal of Cleaner Production, 2017, 141, 194-207.	4.6	24
27	Determination of an empirical model of average rank for multi-deep AS/RS based on simulation. , 2017, , .		0
28	Classification of Cyber-Physical Systems Developments: Proposition of an Analysis Framework. Studies in Computational Intelligence, 2017, , 25-33.	0.7	3
29	A modeling framework for manufacturing services in Service-oriented Holonic Manufacturing Systems. Engineering Applications of Artificial Intelligence, 2016, 55, 26-36.	4.3	50
30	H2CM: A holonic architecture for flexible hybrid control systems. Computers in Industry, 2016, 77, 15-28.	5.7	27
31	A Petri net-based methodology to increase flexibility in service-oriented holonic manufacturing systems. Computers in Industry, 2016, 76, 53-68.	5.7	18
32	Virtual Commissioning-Based Development and Implementation of a Service-Oriented Holonic Control for Retrofit Manufacturing Systems. Studies in Computational Intelligence, 2016, , 233-242.	0.7	11
33	Evaluation de l'application du paradigme holonique à un système de réservoirs. Journal European Des Systemes Automatisés, 2016, 49, 325-347.	0.3	0
34	Implementation of a Process Orchestration Model in a Service Oriented Holonic Manufacturing System. IFAC-PapersOnLine, 2015, 48, 1111-1116.	0.5	1
35	Extension of holonic paradigm to smart grids. IFAC-PapersOnLine, 2015, 48, 1099-1104.	0.5	14
36	Performance evaluation of holonic-based online scheduling for a switch arrival system. IFAC-PapersOnLine, 2015, 48, 1105-1110.	0.5	2

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37	Coupling Predictive Scheduling and Reactive Control in Manufacturing: State of the Art and Future Challenges. Studies in Computational Intelligence, 2015, , 29-37.	0.7	4
38	Process Specification Framework in a Service Oriented Holonic Manufacturing Systems. Studies in Computational Intelligence, 2015, , 81-89.	0.7	0
39	A study of the robustness of the group scheduling method using an emulation of a complex FMS. International Journal of Production Economics, 2013, 146, 199-207.	5.1	16
40	Evaluation of a new human-machine decision support system for group scheduling. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 211-217.	0.4	2
41	Product Specification in a Service-Oriented Holonic Manufacturing System using Petri-Nets. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 342-347.	0.4	3
42	Generation of multiplatform control for transitive systems using a component-based approach. , 2012, , .		3
43	Performance evaluation of In-Deep Class Storage for Flow-Rack AS/RS. International Journal of Production Research, 2012, 50, 6775-6791.	4.9	21
44	Data processing from manufacturing systems to decision support systems: propositions of alternative design approaches. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1129-1134.	0.4	1
45	Evolution of a flexible manufacturing system: from communicating to autonomous product. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 710-715.	0.4	2
46	Myopia of Service Oriented Manufacturing Systems: Benefits of Data Centralization with a Discrete-Event Observer. Studies in Computational Intelligence, 2012, , 197-210.	0.7	4
47	Proposal of an Approach to Automate the Generation of a Transitive System's Observer and Decision Support using Model Driven Engineering. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3593-3598.	0.4	5
48	Proactive production activity control by online simulation. International Journal of Simulation and Process Modelling, 2011, 6, 177.	0.1	15
49	Using online simulation in Holonic manufacturing systems. Engineering Applications of Artificial Intelligence, 2009, 22, 1025-1033.	4.3	31
50	Utilisation d'un observateur pour le pilotage des systèmes contrôlés par le produit. Journal Europeen Des Systemes Automatisés, 2009, 43, 463-486.	0.3	3
51	A study on the group sequencing method in regards with transportation in an industrial FMS. , 2007, , .		7
52	HANDLING UNCERTAINTY IN PRODUCTION ACTIVITY CONTROL USING PROACTIVE SIMULATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 579-584.	0.4	8