

# FabrÃ-cio Junqueira

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

442  
citations

1040056

9  
h-index

888059

17  
g-index

68  
all docs

68  
docs citations

68  
times ranked

446  
citing authors

#	ARTICLE	IF	CITATIONS
1	An architecture based on RAMI 4.0 to discover equipment to process operations required by products. Computers and Industrial Engineering, 2018, 125, 574-591.	6.3	79
2	Service Composition in the Cloud-Based Manufacturing Focused on the Industry 4.0. IFIP Advances in Information and Communication Technology, 2015, , 65-72.	0.7	38
3	Control architecture and design method of reconfigurable manufacturing systems. Control Engineering Practice, 2016, 49, 87-100.	5.5	31
4	An Emerging Industrial Business Model considering Sustainability Evaluation and using Cyber Physical System Technology and Modelling Techniques. IFAC-PapersOnLine, 2016, 49, 135-140.	0.9	23
5	Modeling of active holonic control systems for intelligent buildings. Automation in Construction, 2012, 25, 20-33.	9.8	20
6	Industry 4.0, How to Integrate Legacy Devices: A Cloud IoT Approach. , 2018, , .		15
7	An architecture based on IoT and CPS to organize and locate services. , 2016, , .		13
8	Coloured Petri nets and graphical simulation for the validation of a robotic cell in aircraft industry. Robotics and Computer-Integrated Manufacturing, 2011, 27, 929-941.	9.9	12
9	Modeling accident scenarios from databases with missing data: A probabilistic approach for safety-related systems design. Safety Science, 2018, 104, 119-134.	4.9	12
10	Intelligent Manufacturing System Configuration and Optimization Considering Mobile Robots, Multi-Functional Machines and Human Operators: New Facilities and Challenge for Industrial Engineering. IFAC-PapersOnLine, 2015, 48, 1912-1917.	0.9	10
11	A Framework to Evaluate the Performance of a New Industrial Business Model. IFAC-PapersOnLine, 2016, 49, 61-66.	0.9	10
12	Big data systems requirements for Industry 4.0. , 2018, , .		9
13	PFS/PN Technique to Model Industry 4.0 Systems Based on RAMI 4.0. , 2018, , .		9
14	Using the enhanced-mark flow graph for dynamic resource allocation in distributed manufacturing. International Journal of Computer Integrated Manufacturing, 2016, 29, 1238-1251.	4.6	8
15	SQL and NoSQL Databases in the Context of Industry 4.0. Machines, 2022, 10, 20.	2.2	8
16	Fault detection in Flexible Assembly Systems using Petri net. IEEE Latin America Transactions, 2008, 6, 572-578.	1.6	7
17	Modelagem e simulaç�o distribu�da de sistema produtivo baseados em rede de Petri. Controle and Automacao, 2009, 20, 1-19.	0.2	7
18	A Novel Safety Control Hierarchical Architecture for Prevention and Mitigation of Critical Faults in Process Industries based on Defense-in-depth, Reactive Systems and Safety-diagnosability. IFAC-PapersOnLine, 2015, 48, 1326-1331.	0.9	7

#	ARTICLE	IF	CITATIONS
19	Modeling of Mechanisms for Reconfigurable and Distributed Manufacturing Control System. IFIP Advances in Information and Communication Technology, 2015, , 93-100.	0.7	7
20	Requirements Analysis for Machine to Machine Integration within Industry 4.0. , 2018, , .		6
21	Framework to evaluate the performance and sustainability of a disperse productive system. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	6
22	AN ARCHITECTURE FOR ORGANIZING AND LOCATING SERVICES TO THE INDUSTRY 4.0. , 0, , .		6
23	Development of Control Systems for Safety Instrumented Systems. IEEE Latin America Transactions, 2011, 9, 451-457.	1.6	5
24	Assessment of Sustainability for Production Control Based on Petri net and Cyber-Physical Cloud System. IFAC-PapersOnLine, 2017, 50, 12985-12990.	0.9	5
25	A Service-Oriented and Holonic Control Architecture to the Reconfiguration of Dispersed Manufacturing Systems. IFIP Advances in Information and Communication Technology, 2014, , 111-118.	0.7	5
26	A New Method for the Hierarchical Modelling of Productive Systems. , 2006, , 479-488.		4
27	A procedure for modeling and analysis of service-oriented and distributed productive systems. , 2008, , .		4
28	Advanced Planning and Scheduling Systems based on Time Windows and Constraint Programming. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 192-197.	0.4	4
29	A method to design a manufacturing control system considering flexible reconfiguration. , 2014, , .		4
30	A Framework to Evaluate the Performance of Disperse Productive System through Sustainability Performance Indicators. IFAC-PapersOnLine, 2015, 48, 1664-1669.	0.9	4
31	Open distributed supervisory system design using Petri nets. , 0, , .		3
32	A systematical approach to expose manufacturing system as a service. , 2010, , .		3
33	Human Blood Circulatory System Modeling based on Hybrid Systems. , 2018, , .		3
34	A framework for synthesis of safety-related control design to avoid critical faults and pathogenic accidents in the process industries. Safety Science, 2021, 139, 105168.	4.9	3
35	Intelligent Manufacturing Systems: Self-organization in the I4.0 context. , 2021, , .		3
36	Planning and Scheduling for Dispersed and Collaborative Productive System. International Federation for Information Processing, 2011, , 57-64.	0.4	3

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37	Safety in Supervisory Control for Critical Systems. IFIP Advances in Information and Communication Technology, 2013, , 261-270.	0.7	3
38	Modeling the supervision of manufacturing system considering diagnosis and treatment of fault. , 2010, , .		2
39	Modeling of manufacturing execution in disperse productive systems using service oriented technique. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 6413-6418.	0.4	2
40	Control of productive systems with functional flexibility level. , 2011, , .		2
41	A Procedure for Modeling of Holonic Control Systems for Intelligent Building (HCS-IB). Advanced Materials Research, 0, 383-390, 2318-2326.	0.3	2
42	Virtual Enterprise Planning System using time windows and capacity constraint concepts. , 2012, , .		2
43	Time windows and constraint programming to deal with strong restriction in the due date of productive systems. Annual Reviews in Control, 2014, 38, 134-146.	7.9	2
44	Systematization of Performance Evaluation Process for Industrial Productive Systems Considering Sustainability Indicators. IFIP Advances in Information and Communication Technology, 2016, , 77-85.	0.7	2
45	Model of the Human Cardiovascular System based on Hybrid Systems. , 2019, , .		2
46	Modeling of the Human Cardiovascular System: Analysis of the Blood Flow Rate. , 2019, , .		2
47	Big Data Acquisition In Industry 4.0: A Discrete Event Modeling. , 2019, , .		2
48	Ventricular Assist Device in Health 4.0 Context. IFIP Advances in Information and Communication Technology, 2020, , 347-354.	0.7	2
49	A Systematic Modelling Procedure to Design Agent-Oriented Control to Coalition of Capabilities”In the Context of I4.0 as Virtual Assets (AAS). Computers, 2021, 10, 161.	3.3	2
50	Service composition modeling using interpreted Petri net for system integration. , 2011, , .		1
51	Orchestrating dispersed productive systems. , 2013, , .		1
52	Control of Manufacturing Systems by HMS/EPS Paradigms Orchestrating I4.0 Components Based on Capabilities. IFIP Advances in Information and Communication Technology, 2021, , 62-70.	0.7	1
53	Big Data Acquisition Architecture: An Industry 4.0 Approach. IFIP Advances in Information and Communication Technology, 2020, , 222-229.	0.7	1
54	Mitigation Control of Critical Faults in Production Systems. IFIP Advances in Information and Communication Technology, 2014, , 119-128.	0.7	1

#	ARTICLE	IF	CITATIONS
55	In Vitro Test Bench with Intelligent Behavior to Ventricular Assist Devices. , 2018, , .		1
56	Modelling and Simulation of the Human Cardiovascular System by Differential Hybrid Petri Net. IFAC-PapersOnLine, 2020, 53, 16412-16417.	0.9	1
57	Description of productive processes in a collaborative environment. , 2011, , .		0
58	Dynamic control of resource allocation considering multifunctional machine tools. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 360-365.	0.4	0
59	Big data acquisition architecture: an industry 4.0 approach. Technical Papers ... Rio Oil & Gas, 2020, 20, 374-375.	0.0	0
60	Risk management in petroleum processes in the context of augmented reality. Technical Papers ... Rio Oil & Gas, 2020, 20, 491-492.	0.0	0