

# Diolino Jose dos Santos Filho

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

438  
citations

933447

10  
h-index

839539

18  
g-index

68  
all docs

68  
docs citations

68  
times ranked

441  
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	On Resource Arc for Petri Net Modelling of Complex Resource Sharing System. Journal of Intelligent and Robotic Systems: Theory and Applications, 1999, 26, 423-437.	3.4	31
4	Control architecture and design method of reconfigurable manufacturing systems. Control Engineering Practice, 2016, 49, 87-100.	5.5	31
5	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
6	Implantable Centrifugal Blood Pump With Dual Impeller and Double Pivot Bearing System: Electromechanical Actuator, Prototyping, and Anatomical Studies. Artificial Organs, 2011, 35, 437-442.	1.9	21
7	Modeling of active holonic control systems for intelligent buildings. Automation in Construction, 2012, 25, 20-33.	9.8	20
8	Modeling of reconfigurable distributed manufacturing control systems. IFAC-PapersOnLine, 2015, 48, 1284-1289.	0.9	16
9	Specification of Supervisory Control Systems for Ventricular Assist Devices. Artificial Organs, 2011, 35, 465-470.	1.9	13
10	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
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	Automatic generation of control solution for resource allocation using Petri net model. Production, 2009, 19, 8-26.	1.3	8
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	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
16	Modeling of Mechanisms for Reconfigurable and Distributed Manufacturing Control System. IFIP Advances in Information and Communication Technology, 2015, , 93-100.	0.7	7
17	Requirements Analysis for Machine to Machine Integration within Industry 4.0. , 2018, , .		6
18	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

#	ARTICLE	IF	CITATIONS
19	Development of Control Systems for Safety Instrumented Systems. IEEE Latin America Transactions, 2011, 9, 451-457.	1.6	5
20	Assessment of Sustainability for Production Control Based on Petri net and Cyber-Physical Cloud System. IFAC-PapersOnLine, 2017, 50, 12985-12990.	0.9	5
21	Design of Active Holonic Fault-Tolerant Control Systems. International Federation for Information Processing, 2011, , 367-374.	0.4	5
22	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
23	Systematization of the project of the production system control. , 0, , .		4
24	Single Axis Controlled Hybrid Magnetic Bearing for Left Ventricular Assist Device: Hybrid Core and Closed Magnetic Circuit. Artificial Organs, 2011, 35, 448-453.	1.9	4
25	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
26	A method to design a manufacturing control system considering flexible reconfiguration. , 2014, , .		4
27	A Framework to Evaluate the Performance of Disperse Productive System through Sustainability Performance Indicators. IFAC-PapersOnLine, 2015, 48, 1664-1669.	0.9	4
28	A systematical approach to expose manufacturing system as a service. , 2010, , .		3
29	Human Blood Circulatory System Modeling based on Hybrid Systems. , 2018, , .		3
30	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
31	Planning and Scheduling for Dispersed and Collaborative Productive System. International Federation for Information Processing, 2011, , 57-64.	0.4	3
32	Safety in Supervisory Control for Critical Systems. IFIP Advances in Information and Communication Technology, 2013, , 261-270.	0.7	3
33	Modeling the supervision of manufacturing system considering diagnosis and treatment of fault. , 2010, , .		2
34	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
35	Control of productive systems with functional flexibility level. , 2011, , .		2
36	A Procedure for Modeling of Holonic Control Systems for Intelligent Building (HCS-IB). Advanced Materials Research, 0, 383-390, 2318-2326.	0.3	2

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37	Virtual Enterprise Planning System using time windows and capacity constraint concepts. , 2012, , .		2
38	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
39	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
40	Model of the Human Cardiovascular System based on Hybrid Systems. , 2019, , .		2
41	Design, Manufacturing and Tests of an Implantable Centrifugal Blood Pump. International Federation for Information Processing, 2011, , 410-417.	0.4	2
42	A control architecture for distributed production systems using a virtual cellular manufacturing and agents society based approach. , 0, , .		1
43	Service composition modeling using interpreted Petri net for system integration. , 2011, , .		1
44	Critical Systems: a New Approach in Mitigation Control Layer. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 1090-1095.	0.4	1
45	Intelligent Control System applied to In Vitro Ventricular Assist Device Test Bench for Decision Support. , 2018, , .		1
46	Big Data Acquisition Architecture: An Industry 4.0 Approach. IFIP Advances in Information and Communication Technology, 2020, , 222-229.	0.7	1
47	Mitigation Control of Critical Faults in Production Systems. IFIP Advances in Information and Communication Technology, 2014, , 119-128.	0.7	1
48	From Conception to Implementation of Reconfigurable and Distributed Manufacturing Control System. Lecture Notes in Computer Science, 2015, , 35-46.	1.3	1
49	Modelling and Simulation of the Human Cardiovascular System by Differential Hybrid Petri Net. IFAC-PapersOnLine, 2020, 53, 16412-16417.	0.9	1
50	Petri Net's execution algorithm for applications in manufacturing systems control. , 0, , .		0
51	Bayesian Intersubjectivity and Quantum Theory. AIP Conference Proceedings, 2005, , .	0.4	0
52	Description of productive processes in a collaborative environment. , 2011, , .		0
53	Mechatronics Engineering at Polytechnic School of University of S&#amp;#x00E4;o Paulo: A survey analysis of Egress alumni. , 2012, , .		0
54	Extending the verification coverage for PLC control programs: A functional safety approach. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
55	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
56	Extending the verification coverage for PLC control programs: A functional safety approach. , 2009, , .		0
57	Efficient Fuzzy Controller to Increase Soybean Productivity. IFIP Advances in Information and Communication Technology, 2017, , 47-54.	0.7	0
58	Smart Cities: Non Destructive Approach for Water Leakage Detection. IFIP Advances in Information and Communication Technology, 2019, , 273-280.	0.7	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
61	Risk Management to Validation VAD design. IFAC-PapersOnLine, 2020, 53, 16488-16493.	0.9	0
62	Safety Control Architecture for Ventricular Assist Devices. Machines, 2022, 10, 5.	2.2	0