

Eduardo P Godoy

List of Publications by Year in descending order

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36
papers

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36
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36
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36
times ranked

310
citing authors

#	ARTICLE	IF	CITATIONS
1	Architecture for Digital Twin implementation focusing on Industry 4.0. IEEE Latin America Transactions, 2020, 18, 889-898.	1.2	34
2	The Benefits of Soft Sensor and Multi-Rate Control for the Implementation of Wireless Networked Control Systems. Sensors, 2014, 14, 24441-24461.	2.1	30
3	ZigBee Wireless Dynamic Sensor Networks: Feasibility Analysis and Implementation Guide. IEEE Sensors Journal, 2016, 16, 4614-4621.	2.4	30
4	Design and development of the architecture of an agricultural mobile robot. Engenharia Agricola, 2011, 31, 130-142.	0.2	26
5	Controller Interface for Industry 4.0 based on RAMI 4.0 and OPC UA. , 2019, , .		24
6	Open Source Control Device for Industry 4.0 Based on RAMI 4.0. Electronics (Switzerland), 2021, 10, 869.	1.8	17
7	Control as a Service: A Microservice Approach to Industry 4.0. , 2019, , .		13
8	Design and implementation of an electronic architecture for an agricultural mobile robot. Revista Brasileira De Engenharia Agricola E Ambiental, 2010, 14, 1240-1247.	0.4	11
9	Networked Control System for the Guidance of a Four-Wheel Steering Agricultural Robotic Platform. Journal of Control Science and Engineering, 2012, 2012, 1-10.	0.8	11
10	Digitalization of Manufacturing Processes: Proposal and Experimental Results. , 2019, , .		10
11	CAN-based Platform for the Study and Experimentation on Networked Control Systems (NCS). IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 652-659.	0.4	7
12	Sampling time adaptive control methodology for CAN-based Networked Control Systems. , 2010, , .		7
13	Implementation and Evaluation of Wireless Networked Control Systems using Modbus. IEEE Latin America Transactions, 2017, 15, 206-212.	1.2	7
14	Development of a Wireless Gateway for Industrial Internet of Things Applications. IEEE Latin America Transactions, 2019, 17, 1637-1644.	1.2	7
15	Design of CAN-based distributed control systems with optimized configuration. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2010, 32, 420-426.	0.8	7
16	Applied simulation to evaluate the quality of control of networked control systems. , 2010, , .		6
17	Proposed model to implement high-level Information Security in Internet of Things. , 2017, , .		5
18	A New Adaptive Controller in Wireless Networked Control Systems: Developing a Robust and Effective Controller for Energy Efficiency. IEEE Industry Applications Magazine, 2019, 25, 12-22.	0.3	5

#	ARTICLE	IF	CITATIONS
19	Evaluating serial ZigBee devices for application in wireless networked control systems. , 2012, , .		4
20	Modular Framework for Digital Twins: Development and Performance Analysis. Journal of Control, Automation and Electrical Systems, 2021, 32, 1485-1497.	1.2	4
21	Improved Indoor 3D Localization using LoRa Wireless Communication. IEEE Latin America Transactions, 2022, 20, 481-487.	1.2	4
22	Design of the mechatronic architecture of an agricultural mobile robot. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 717-724.	0.4	3
23	Model-Based Compensation for Burst Message Loss in Wireless Networked Control Systems: Experimental Results. , 2013, , .		3
24	Industrial Automation as a Service: A New Application to Industry 4.0. IEEE Latin America Transactions, 2021, 19, 2046-2053.	1.2	3
25	Using serial bluetooth converters as a sensor link in networked control systems. , 2011, , .		2
26	Co-Simulation Tools for Networked Control Systems: Revision and Utilization. Journal of Control, Automation and Electrical Systems, 2013, 24, 816-830.	1.2	2
27	Application of systematic methods in the electromechanical design of an agricultural mobile robot. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 276-281.	0.4	2
28	A soft sensor for energy efficient application of wireless networked control systems. , 2014, , .		2
29	Self-tuning adaptive multi-rate control for energy efficient wireless networked control systems. , 2016, , .		2
30	Study of Communication Between Distributed Generation Devices in an Smart Grid Environment. IEEE Latin America Transactions, 2018, 16, 777-784.	1.2	2
31	Implementing Security and Trust in IoT/M2M using Middleware. , 2020, , .		2
32	Simulation of a distributed generator with wireless communication using TrueTime and PLECS. , 2015, , .		1
33	Evaluation of aperiodic control for energy saving in wireless networked control systems. , 2016, , .		1
34	Towards Security Mechanisms for an Industrial Microservice-Oriented Architecture. , 2021, , .		1
35	Hydraulic networked control of four wheel steering agricultural robot. , 2011, , .		0
36	Leveraging Wireless Devices for Networked Control Systems in Industrial Applications. Brazilian Journal of Instrumentation and Control, 2013, 1, 21.	0.2	0