Guilherme Serpa Sestito

List of Publications by Year
in descending order

23 papers	186 citations	1478505 6 h-index	1199594 12 g-index
23 all docs	23 docs citations	23 times ranked	97 citing authors

#	ARTICLE	IF	CITATIONS
1	A Method for Anomalies Detection in Real-Time Ethernet Data Traffic Applied to PROFINET. IEEE Transactions on Industrial Informatics, 2018, 14, 2171-2180.	11.3	38
2	A cloud-based condition monitoring system for fault detection in rotating machines using PROFINET process data. Computers in Industry, 2021, 126, 103394.	9.9	21
3	On the performance of OPC UA and MQTT for data exchange between industrial plants and cloud servers. Acta IMEKO (2012), 2019, 8, 80.	0.7	21
4	Panorama, challenges and opportunities in PROFINET protocol research. , 2018, , .		16
5	Performance Analysis of Profibus DP and Profinet in a Motion Control Application. Journal of Control, Automation and Electrical Systems, 2017, 28, 86-93.	2.0	14
6	Performance Comparison Between OPC UA and MQTT for Data Exchange. , 2018, , .		13
7	In-process chatter detection in micro-milling using acoustic emission via machine learning classifiers. International Journal of Advanced Manufacturing Technology, 2022, 120, 7293-7303.	3.0	9
8	Automatic Diagnosis for Profibus Networks. Journal of Control, Automation and Electrical Systems, 2016, 27, 658-669.	2.0	8
9	Artificial neural networks and signal clipping for Profibus DP diagnostics. , 2014, , .		7
10	A general optimization-based approach to the detection of real-time Ethernet traffic events. Computers in Industry, 2021, 128, 103413.	9.9	6
11	Introducing a cloud based architecture for the distributed analysis of Real-Time Ethernet traffic. , 2020, , .		5
12	Machine-learning classification of environmental conditions inside a tank by analyzing radar curves in industrial level measurements. Flow Measurement and Instrumentation, 2021, 79, 101940.	2.0	5
13	A Cloud-Based Method for Detecting Intrusions in PROFINET Communication Networks Based on Anomaly Detection. Journal of Control, Automation and Electrical Systems, 2021, 32, 1177-1188.	2.0	5
14	Case of study of a Profinet network using ring topology. , 2016, , .		4
15	Influence of network parameters on the recovery time of a ring topology PROFINET network. IFAC-PapersOnLine, 2016, 49, 278-283.	0.9	4
16	The panorama and challenges of PROFIBUS technology in brazilian market. , 2018, , .		2
17	Detection of Anomalies Related to the Operation of the Profinet Network Through Feature Extraction and Classification. IEEE Latin America Transactions, 2018, 16, 1855-1861.	1.6	2
18	Evaluating Real-Time Ethernet performance indicators for SERCOS III networks. , 2021, , .		2

#	Article	IF	Citations
19	A New Method for Fault Detection of Rotating Machines in Motion Control Applications Using PROFIdrive Information and Support Vector Machine Classifier. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2021, 143, .	1.6	2
20	Fuzzy system for calculating the Target Rotation Time in Profibus networks. IFAC-PapersOnLine, 2016, 49, 272-277.	0.9	1
21	An intelligent fault diagnosis for centrifugal pumps based on electric current information available in industrial communication networks. , 2021, , .		1
22	Profibus DP network simulator. , 2018, , .		0
23	Versatile unsupervised anomaly detection method for RTE-based networks. Expert Systems With Applications, 2022, 206, 117751.	7.6	0