

Álvvaro Sobrinho

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3234955/publications.pdf>

Version: 2024-02-01

22
papers

168
citations

1478505

6
h-index

1372567

10
g-index

25
all docs

25
docs citations

25
times ranked

205
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and evaluation of a mobile application to assist the self-monitoring of the chronic kidney disease in developing countries. BMC Medical Informatics and Decision Making, 2018, 18, 7.	3.0	45
2	Computer-Aided Diagnosis of Chronic Kidney Disease in Developing Countries: A Comparative Analysis of Machine Learning Techniques. IEEE Access, 2020, 8, 25407-25419.	4.2	35
3	Classification Models for COVID-19 Test Prioritization in Brazil: Machine Learning Approach. Journal of Medical Internet Research, 2021, 23, e27293.	4.3	24
4	Exploring Early Prediction of Chronic Kidney Disease Using Machine Learning Algorithms for Small and Imbalanced Datasets. Applied Sciences (Switzerland), 2022, 12, 3673.	2.5	15
5	Formal modeling of biomedical signal acquisition systems: source of evidence for certification. Software and Systems Modeling, 2019, 18, 1467-1485.	2.7	9
6	Using Colored Petri Nets for the requirements engineering of a surface electrogastrography system. , 2014, , .		8
7	Formal Verification of a Trusted Execution Environment-Based Architecture for IoT Applications. IEEE Internet of Things Journal, 2021, 8, 17199-17210.	8.7	8
8	Towards medical device certification: A colored Petri Nets model of a surface electrocardiography device. , 2014, , .		7
9	A simulation approach to certify electrocardiography devices. , 2015, , .		3
10	Coloured Petri Nets-Based Modeling and Validation of Insulin Infusion Pump Systems. Applied Sciences (Switzerland), 2022, 12, 1475.	2.5	3
11	Formal specification of a tool to aid the early dignosis of the Chronic Kidney Disease. , 2015, , .		2
12	A mixed-radix FFT algorithm implementation based on Petri nets to assist the certification of bio-medical systems. , 2019, , .		2
13	A methodology for modeling and simulation of biomedical signal acquisition devices. , 2015, , .		1
14	A Coloured Petri Nets Reference Model of Insulin Infusion Pump Control Systems: Assisting the Certification Process. , 2019, , .		1
15	Design of a Home Automation App to Assist Elderly and Limited Mobility People. Advances in Web Technologies and Engineering Book Series, 2019, , 66-83.	0.4	1
16	Reliability analysis of multi-parameter monitoring systems for Intensive Care Units. Reliability Engineering and System Safety, 2022, 226, 108638.	8.9	1
17	A Colored Petri Nets model of the risk management process based on the ISO 14971 standard. , 2015, , .		0
18	Arguing effectiveness of biomedical signal acquisition devices using colored Petri Nets models and assurance cases in GSN: An ECG case study. , 2016, 2016, 2488-2491.		0

#	ARTICLE	IF	CITATIONS
19	Low-Cost Home Automation System for Physical Disability and Limited Mobility People. Advances in Computational Intelligence and Robotics Book Series, 2021, , 151-172.	0.4	0
20	A Certification-Based Modeling Approach of Medical Cyber-Physical Systems: An Insulin Infusion Pump Case Study. Advances in Intelligent Systems and Computing, 2020, , 501-507.	0.6	0
21	Design of a Home Automation App to Assist Elderly and Limited Mobility People. , 2022, , 859-876.		0
22	A Software Architecture of Test Case Tools for Object-Oriented Programs. Advances in Intelligent Systems and Computing, 2020, , 687-691.	0.6	0