

# Rivalino Matias

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

199  
citations

2258059

3  
h-index

2550090

3  
g-index

32  
all docs

32  
docs citations

32  
times ranked

127  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Multisite Characterization Study on Failure Causes in System and Applications Software. , 2021, , .		0
2	A Statistical Approach to Predict Operating System Failures Based on Multiple Failures Association. , 2020, , .		0
3	An Empirical Exploratory Analysis of Failure Sequences in a Commodity Operating System. , 2019, , .		2
4	Failure patterns in operating systems: An exploratory and observational study. Journal of Systems and Software, 2018, 137, 512-530.	4.5	7
5	Reliability Assessment of Commercial Off-the-Shelf Operating System Software: An Empirical Study. , 2018, , .		0
6	A Systematic Mapping Review of Memory Leak Detection Techniques. , 2018, , .		0
7	Influence Factors on the Quality of User Experience in OS Reliability. , 2018, , .		1
8	Monitoring and Mitigating Software Aging on IBM Cloud Controller System. , 2017, , .		15
9	An empirical study on patterns of failure causes in a mass-market operating system. , 2017, , .		2
10	A Systematic Mapping Review of the First 20 Years of Software Aging and Rejuvenation Research. , 2016, , .		13
11	Exploratory Analysis on Failure Causes in a Mass-Market Operating System. Operating Systems Review (ACM), 2016, 50, 18-30.	1.9	5
12	A quantitative study on execution time variability in computing experiments. , 2015, , .		2
13	Modeling and simulation applied to capacity planning of voice gateways: A case study. , 2014, , .		1
14	An empirical exploratory study on operating system reliability. , 2014, , .		8
15	Modeling and simulating the effects of OS Jitter. , 2013, , .		2
16	An analytical modeling framework to evaluate converged networks through business-oriented metrics. Reliability Engineering and System Safety, 2013, 118, 81-92.	8.9	8
17	Monitoring Memory-Related Software Aging: An Exploratory Study. , 2012, , .		11
18	Evaluation of Compound System Calls in the Linux Kernel. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
19	A Comparative Evaluation of Software Rejuvenation Strategies. , 2011, , .		5
20	Performance Analysis of Control Charts Techniques Applied to IP Traffic Forecasts. , 2011, , .		3
21	Software Rejuvenation in Eucalyptus Cloud Computing Infrastructure: A Method Based on Time Series Forecasting and Multiple Thresholds. , 2011, , .		32
22	ACCELERATED LIFE TESTS AND SOFTWARE AGING. Series on Software Engineering and Knowledge Engineering, 2011, , 267-299.	0.1	0
23	Performance comparison of forecasting models applied to LAN/MAN traffic prediction. , 2011, , .		1
24	An Experimental Study on Memory Allocators in Multicore and Multithreaded Applications. , 2011, , .		29
25	An experimental study on user-level memory allocators in middleware applications. , 2011, , .		3
26	Comparison analysis of statistical control charts for quality monitoring of network traffic forecasts. , 2011, , .		7
27	Experimental study on the use of compound system calls in the linux operating system. , 2011, , .		0
28	Measuring software aging effects through OS kernel instrumentation. , 2010, , .		16
29	Quantitative analysis of performability in voice and data networks. , 2010, , .		3
30	Quality monitoring of network traffic forecasts using statistical process control. , 2010, , .		3
31	The mechanics of memory-related software aging. , 2010, , .		19
32	An analytical approach for optimization of computer network design considering the integration of the communication and power infrastructures. International Journal of Network Management, 0, , e2161.	2.2	0