Francisco-Airton Silva

List of Publications by Year
in descending order

38 papers	271 citations	1039880 9 h-index	1058333 14 g-index
38 all docs	38 docs citations	38 times ranked	178 citing authors

#	Article	IF	Citations
1	A Queueing-Based Model Performance Evaluation for Internet of People Supported by Fog Computing. Future Internet, 2022, 14, 23.	2.4	9
2	Performance-Cost Trade-Off in Auto-Scaling Mechanisms for Cloud Computing. Sensors, 2022, 22, 1221.	2.1	2
3	Model-Driven Impact Quantification of Energy Resource Redundancy and Server Rejuvenation on the Dependability of Medical Sensor Networks in Smart Hospitals. Sensors, 2022, 22, 1595.	2.1	4
4	Docker platform aging: a systematic performance evaluation and prediction of resource consumption. Journal of Supercomputing, 2022, 78, 12898-12928.	2.4	3
5	Supporting availability evaluation of a smart building monitoring system aided by fog computing. Electronics Letters, 2022, 58, 471-473.	0.5	4
6	Performance Evaluation of an Internet of Healthcare Things for Medical Monitoring Using M/M/c/K Queuing Models. IEEE Access, 2021, 9, 55271-55283.	2.6	15
7	Data Processing on Edge and Cloud: A Performability Evaluation and Sensitivity Analysis. Journal of Network and Systems Management, 2021, 29, 1.	3.3	14
8	Surveillance System in Smart Cities: A Dependability Evaluation Based on Stochastic Models. Electronics (Switzerland), 2021, 10, 876.	1.8	7
9	Stochastic Model Driven Performance and Availability Planning for a Mobile Edge Computing System. Applied Sciences (Switzerland), 2021, 11, 4088.	1.3	2
10	Smart Traffic Control in Vehicle Ad-Hoc Networks: A Systematic Literature Review. International Journal of Wireless Information Networks, 2021, 28, 362-384.	1.8	3
11	Performance and availability evaluation of an smart hospital architecture. Computing (Vienna/New) Tj ETQq1 1 0.784314 rgBT /Overlock	3.2	10
12	IoT Sensor Networks in Smart Buildings: A Performance Assessment Using Queuing Models. Sensors, 2021, 21, 5660.	2.1	7
13	Offloading Data through Unmanned Aerial Vehicles: A Dependability Evaluation. Electronics (Switzerland), 2021, 10, 1916.	1.8	3
14	Performability Evaluation of Load Balancing and Fail-over Strategies for Medical Information Systems with Edge/Fog Computing Using Stochastic Reward Nets. Sensors, 2021, 21, 6253.	2.1	13
15	Vehicular cloud computing networks: availability modelling and sensitivity analysis. International Journal of Sensor Networks, 2021, 36, 125.	0.2	6
16	Stochastic models for performance and cost analysis of a hybrid cloud and fog architecture. Journal of Supercomputing, 2021, 77, 1537-1561.	2.4	17
17	Performance Evaluation of Message Routing Strategies in the Internet of Robotic Things Using the D/M/c/K/FCFS Queuing Network. Electronics (Switzerland), 2021, 10, 2626.	1.8	3
18	The internet of things for healthcare: optimising e-health system availability in the fog and cloud. International Journal of Computational Science and Engineering, 2020, 21, 615.	0.4	14

#	Article	IF	Citations
19	Mobile Edge Computing Performance Evaluation using Stochastic Petri Nets. , 2020, , .		6
20	Edge servers placement in mobile edge computing using stochastic Petri nets. International Journal of Computational Science and Engineering, 2020, 23, 352.	0.4	2
21	The internet of things for healthcare: optimising e-health system availability in the fog and cloud. International Journal of Computational Science and Engineering, 2020, 21, 615.	0.4	3
22	Optimizing Resource Availability in Composable Data Center Infrastructures. , 2019, , .		5
23	Stochastic Model for Evaluating Smart Hospitals Performance. , 2019, , .		7
24	10GbE Network Card Performance Evaluation: A Strategy Based on Sensitivity Analysis. , 2019, , .		0
25	Performance and Resource Consumption Analysis of Elastic Systems on Public Clouds. , 2019, , .		1
26	Mobile Cloud Performance Evaluation Using Stochastic Models. IEEE Transactions on Mobile Computing, 2018, 17, 1134-1147.	3.9	20
27	Functional Diversity applied to the false positive reduction in breast tissues based on digital mammography. , 2018, , .		1
28	Performance prediction for supporting mobile applications' offloading. Journal of Supercomputing, 2018, 74, 4060-4103.	2.4	9
29	Mobile cloud face recognition based on smart cloud ranking. Computing (Vienna/New York), 2017, 99, 287-311.	3.2	2
30	Availability Evaluation and Sensitivity Analysis of a Mobile Backendâ€asâ€aâ€service Platform. Quality and Reliability Engineering International, 2016, 32, 2191-2205.	1.4	23
31	Benchmark applications used in mobile cloud computing research: a systematic mapping study. Journal of Supercomputing, 2016, 72, 1431-1452.	2.4	29
32	Planning Mobile Cloud Infrastructures Using Stochastic Petri Nets and Graphic Processing Units. , 2015, , .		8
33	SmartRank: a smart scheduling tool for mobile cloud computing. Journal of Supercomputing, 2015, 71, 2985-3008.	2.4	12
34	A scheduler for mobile cloud based on weighted metrics and dynamic context evaluation. , 2015, , .		1
35	Performance Evaluation of Virtual Machines Instantiation in a Private Cloud. , 2015, , .		3
36	Accounting Federated Clouds Based on the JiTCloud Platform. , 2013, , .		2

#	Article	IF	Citations
37	Modelo EstocÃ¡stico para AvaliaÃ§Ã£o de Disponibilidade de Hospitais Inteligentes. , 0, , .		1
38	AnÃ¡lise de um ServiÃ§o Virtual de Armazenamento que Explora Classes de Objetos na Nuvem e PadrÃµes de Acesso. , 0, , .		0