Daniel Macedo Batista

List of Publications by Year
in descending order

59 papers	**721** citations	1040056 **9** h-index	839539 **18** g-index
59 all docs	**59** docs citations	**59** times ranked	**735** citing authors

#	Article	IF	Citations
1	A Survey of Large Scale Data Management Approaches in Cloud Environments. IEEE Communications Surveys and Tutorials, 2011, 13, 311-336.	39.4	323
2	Self-adjustment of resource allocation for grid applications. Computer Networks, 2008, 52, 1762-1781.	5.1	36
3	Low-Latency and Energy-Efficient BBU Placement and VPON Formation in Virtualized Cloud-Fog RAN. Journal of Optical Communications and Networking, 2019, 11, B37.	4.8	25
4	A set of schedulers for grid networks. , 2007, , .		20
5	A survey of self-adaptive grids. , 2010, 48, 94-100.		20
6	Robust scheduler for grid networks under uncertainties of both application demands and resource availability. Computer Networks, 2011, 55, 3-19.	5.1	20
7	Mapping virtual networks onto substrate networks. Journal of Internet Services and Applications, 2013, 4, 3.	2.1	20
8	5GPy: A SimPy-based simulator for performance evaluations in 5G hybrid Cloud-Fog RAN architectures. Simulation Modelling Practice and Theory, 2020, 101, 102030.	3.8	20
9	InterSCity: Addressing Future Internet research challenges for Smart Cities. , 2016, , .		18
10	MBOSS: A Symbolic Representation of Human Activity Recognition Using Mobile Sensors. Sensors, 2018, 18, 4354.	3.8	18
11	Energy-Aware Mapping and Live Migration of Virtual Networks. IEEE Systems Journal, 2017, 11, 637-648.	4.6	16
12	Consolidation of VMs to Improve Energy Efficiency in Cloud Computing Environments. , 2015, , .		14
13	Optimal Placement of Virtualized BBU Processing in Hybrid Cloud-Fog RAN over TWDM-PON. , 2017, , .		14
14	Performance analysis of available bandwidth estimation tools for grid networks. Journal of Supercomputing, 2010, 53, 103-121.	3.6	11
15	Optimal Mapping of Virtual Networks. , 2011, , .		11
16	A green network-aware VMs placement mechanism. , 2014, , .		9
17	An Ns-2 Module for Simulating Passive RFID Systems. , 2013, , .		7
18	A dynamic frame slotted ALOHA anti-collision algorithm for the internet of things. , 2014, , .		7

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19	Perspectives on software-defined networks: interviews with five leading scientists from the networking community. Journal of Internet Services and Applications, 2015, 6, .	2.1	7
20	Robust scheduler for grid networks. , 2009, , .		6
21	Scheduling Grid Applications on Clouds. , 2010, , .		6
22	A RFID QoS mechanism for IoT tracking applications. , 2013, , .		6
23	Planning runtime software adaptation through pragmatic goal model. Data and Knowledge Engineering, 2017, 109, 25-40.	3.4	6
24	A Brief Survey on Resource Allocation in Service Oriented Grids. , 2007, , .		5
25	Scheduling grid tasks under uncertain demands. , 2008, , .		5
26	Energy Saving Algorithms for Workflow Scheduling in Cloud Computing. , 2014, , .		5
27	Energy-Efficient VPON Formation and Wavelength Dimensioning in Cloud-Fog RAN over TWDM-PON. , 2018, , .		5
28	Energy-Efficient vBBU Migration and Wavelength Reassignment in Cloud-Fog RAN. IEEE Transactions on Green Communications and Networking, 2021, 5, 18-28.	5.5	5
29	Scheduling Grid Tasks in Face of Uncertain Communication Demands. IEEE Transactions on Network and Service Management, 2011, 8, 92-103.	4.9	4
30	Embedding Software Requirements in Grid Scheduling. , 2011, , .		4
31	Green virtualized networks. , 2012, , .		4
32	Live migration in green virtualized networks. , 2013, , .		4
33	Energy-Efficient Virtual Machines Placement. , 2014, , .		4
34	Approximated algorithms for mapping virtual networks on network substrates. , 2012, , .		3
35	Performance Evaluation of Choreographies and Orchestrations with a New Simulator for Service Compositions. , 2012, , .		3
36	A methodology to define QoS and SLA requirements in service choreographies. , 2012, , .		3

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37	A Framework for Adaptive Fault-Tolerant Execution of Workflows in the Grid: Empirical and Theoretical Analysis. Journal of Grid Computing, 2014, 12, 127.	3.9	3
38	Scheduling cloud applications under uncertain available bandwidth. , 2013, , .		3
39	Predicting Response Time in SDN-Fog Environments for IIoT Applications. , 2021, , .		3
40	Scheduling Grid Applications with Software Requirements. IEEE Latin America Transactions, 2011, 9, 578-585.	1.6	2
41	Trade-off between bandwidth and energy consumption minimization in virtual network mapping. , 2012, , .		2
42	An RFID Best Effort Mechanism for in Motion Tracking Applications. International Journal of Wireless Networks and Broadband Technologies, 2018, 7, 39-52.	1.0	2
43	Energy-Efficient Baseband Processing via vBBU Migration in Virtualized Cloud-Fog RAN. , 2019, , .		2
44	A Batch Scheduling Algorithm for VPON Reconfiguration and BBU Migration in Hybrid Cloud-Fog RAN. , 2019, , .		2
45	Pragmatic Requirements for Adaptive Systems: A Goal-Driven Modeling and Analysis Approach. Lecture Notes in Computer Science, 2015, , 50-64.	1.3	2
46	An Improved Tool for Detection of XSS Attacks by Combining CNN with LSTM. , 0, , .		2
47	Scheduling grid applications with software requirements. , 2010, , .		1
48	Trade-off Between Bandwidth and Energy Consumption Minimization in Virtual Network Mapping. IEEE Latin America Transactions, 2013, 11, 983-988.	1.6	1
49	Simulator and benchmark for RFID anti-collision evaluation. , 2015, , .		1
50	Self-Adjustment for Service Provisioning in Grids. , 2010, , 495-518.		1
51	Robust hybrid mechanisms for scheduling of grid tasks. , 2011, , .		0
52	Coping with fluctuations in resource availability in grid networks. , 2012, , .		0
53	Robust Hybrid Mechanisms for Scheduling of Grid Tasks. IEEE Latin America Transactions, 2012, 10, 1940-1946.	1.6	0
54	A Service Selection Mechanism Using Fault-Tolerance Techniques. , 2014, , .		0

#	Article	IF	Citations
55	An easy to implement and energy-saving anti-collision algorithm for RFID systems. , 2015, , .		0
56	Data Analysis and Energy Consumption Prediction in a Cloud-Fog RAN Environment. , 2019, , .		0
57	Análise de Desempenho de uma Ferramenta para Visualização de Hashes em Dispositivos Móveis. , 0, , .		0
58	Processo Coletivo de reformulação curricular do BCC-IME-USP. Revista De Graduação USP, 2017, 2, 127.	0.2	0
59	On -Demand Placement and Scheduling of Virtual Network Functions with Software Requirements. , 2020, , .		0