

Cã©lio Albuquerque

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

1,605
citations

516710

16
h-index

377865

34
g-index

98
all docs

98
docs citations

98
times ranked

1392
citing authors

#	ARTICLE	IF	CITATIONS
1	Routing Metrics and Protocols for Wireless Mesh Networks. IEEE Network, 2008, 22, 6-12.	6.9	233
2	Survey and Taxonomy of Duty Cycling Mechanisms in Wireless Sensor Networks. IEEE Communications Surveys and Tutorials, 2014, 16, 181-194.	39.4	211
3	A Survey of How to Use Blockchain to Secure Internet of Things and the Stalker Attack. Security and Communication Networks, 2018, 2018, 1-27.	1.5	153
4	Source-adaptive multilayered multicast algorithms for real-time video distribution. IEEE/ACM Transactions on Networking, 2000, 8, 720-733.	3.8	81
5	IEEE 802.11s Multihop MAC: A Tutorial. IEEE Communications Surveys and Tutorials, 2011, 13, 52-67.	39.4	76
6	NECTAR. , 2009, , .		66
7	Consistency, availability, and partition tolerance in blockchain: a survey on the consensus mechanism over peer-to-peer networking. Annales Des Telecommunications/Annals of Telecommunications, 2020, 75, 163-174.	2.5	46
8	A survey on intrusion detection and prevention systems in digital substations. Computer Networks, 2021, 184, 107679.	5.1	44
9	Towards a Blockchain-Based Secure Electronic Medical Record for Healthcare Applications. , 2019, , .		40
10	On the detection of selfish mining and stalker attacks in blockchain networks. Annales Des Telecommunications/Annals of Telecommunications, 2020, 75, 143-152.	2.5	40
11	A Joint Approach to Routing Metrics and Rate Adaptation in Wireless Mesh Networks. IEEE/ACM Transactions on Networking, 2012, 20, 999-1009.	3.8	32
12	Modelling the Data Aggregator Positioning Problem in Smart Grids. , 2015, , .		30
13	A comprehensive analysis on the use of schedule-based asynchronous duty cycling in wireless sensor networks. Ad Hoc Networks, 2014, 16, 142-164.	5.5	28
14	Network Border Patrol: Preventing Congestion Collapse and Promoting Fairness in the Internet. IEEE/ACM Transactions on Networking, 2004, 12, 173-186.	3.8	25
15	Pulmonary COVID-19: Learning Spatiotemporal Features Combining CNN and LSTM Networks for Lung Ultrasound Video Classification. Sensors, 2021, 21, 5486.	3.8	25
16	Hyperparameter Optimization for COVID-19 Pneumonia Diagnosis Based on Chest CT. Sensors, 2021, 21, 2174.	3.8	24
17	Solving Replica Placement and Request Distribution in Content Distribution Networks. Electronic Notes in Discrete Mathematics, 2010, 36, 89-96.	0.4	22
18	Towards a Performance Evaluation of Private Blockchain Frameworks using a Realistic Workload. , 2019, , .		21

#	ARTICLE	IF	CITATIONS
19	Minimum loss multiplicative routing metrics for wireless mesh networks. Journal of Internet Services and Applications, 2011, 1, 201-214.	2.1	20
20	Evaluating the impact of emerging streaming media applications on TCP/IP performance. , 2001, 39, 76-82.		18
21	On the impact of user mobility on peer-to-peer video streaming. IEEE Wireless Communications, 2008, 15, 54-62.	9.0	18
22	On the possibility of mitigating content pollution in Content-Centric Networking. , 2014, , .		17
23	NGL01-4: A Hybrid GRASP with Data Mining for Efficient Server Replication for Reliable Multicast. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	16
24	MOSKOLU: A Heuristic for Data Aggregator Positioning in Smart Grids. IEEE Transactions on Smart Grid, 2018, 9, 6206-6213.	9.0	16
25	LPS and LRF: Efficient buffer management policies for Delay and Disruption Tolerant Networks. , 2012, , .		15
26	Fault detection and diagnosis for solar-powered Wireless Mesh Networks using machine learning. , 2017, , .		13
27	Nested block designs: Flexible and efficient schedule-based asynchronous duty cycling. Computer Networks, 2013, 57, 3316-3326.	5.1	11
28	MOS-Based Rate Adaption for VoIP Sources. , 2007, , .		10
29	Management Issues on Wireless Mesh Networks. , 2007, , .		10
30	Identifying vulnerabilities in smart grid communication networks of electrical substations using GEESE 2.0. , 2017, , .		10
31	Asynchronous Radio Duty Cycling for Green IoT: State of the Art and Future Perspectives. IEEE Communications Magazine, 2019, 57, 106-111.	6.1	10
32	An extended assessment of metaheuristics-based feature selection for intrusion detection in CPS perception layer. Annales Des Telecommunications/Annals of Telecommunications, 0, , 1.	2.5	10
33	Centralized channel allocation algorithm for IEEE 802.11 networks. , 2012, , .		9
34	GRASP-based Feature Selection for Intrusion Detection in CPS Perception Layer. , 2020, , .		9
35	Mesh Topology Viewer (MTV): an SVG-based interactive mesh network topology visualization tool. , 2008, , .		8
36	LATOR: Link-Quality Aware and Thermal Aware On-Demand Routing Protocol for WBAN. , 2020, , .		8

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37	THOR: A framework to build an advanced metering infrastructure resilient to DAP failures in smart grids. <i>Future Generation Computer Systems</i> , 2019, 99, 11-26.	7.5	7
38	Service discovery with time constraints in mobile ad hoc networks. <i>Earth Science Informatics</i> , 2015, 8, 439-452.	3.2	6
39	Content pollution mitigation for Content-Centric Networking. , 2016, , .		6
40	Context-Aware Routing in Delay and Disruption Tolerant Networks. <i>International Journal of Wireless Information Networks</i> , 2016, 23, 231-245.	2.7	6
41	SDN-based teleprotection and control power systems: A study of available controllers and their suitability. <i>International Journal of Network Management</i> , 2021, 31, e2112.	2.2	6
42	A Resilient Dynamic Gateway Selection Algorithm Based on Quality Aware Metrics for Smart Grids. , 2015, , .		6
43	Wireless multipath video transmission: when IoT video applications meet networking—a survey. <i>Multimedia Systems</i> , 2022, 28, 831-850.	4.7	6
44	Secure Secret Key Distribution and Storage in Wireless Sensor Networks. , 2010, , .		5
45	Scalability evaluation of the data aggregator positioning problem in smart grids. , 2016, , .		5
46	Association stability and handoff latency tradeoff in dense IEEE 802.11 networks: A case study. <i>Computer Communications</i> , 2020, 159, 175-185.	5.1	5
47	BiRD—A Novel Bi-Dimensional Design to Multi-Channel Continuous Rendezvous in Cognitive Networks. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2020, 6, 1031-1043.	7.9	5
48	BNS: A Framework for Wireless Body Area Network Realistic Simulations. <i>Sensors</i> , 2021, 21, 5504.	3.8	5
49	Enabling Emulation and Evaluation of IEC 61850 Networks With TITAN. <i>IEEE Access</i> , 2021, 9, 49788-49805.	4.2	5
50	On the Performance of a Secure Storage Mechanism for Key Distribution Architectures in Wireless Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2015, 11, 392495.	2.2	5
51	Channel-Aware Gait-Cycle-Based Transmission in Wireless Body Area Networks. <i>IEEE Sensors Journal</i> , 2022, 22, 10009-10017.	4.7	5
52	<title>Multicast flow control with explicit rate feedback for adaptive real-time video services</title>. , 1998, 3530, 110.		4
53	A Joint Approach to Routing Metrics and Rate Adaptation in Wireless Mesh Networks. , 2009, , .		4
54	Link quality estimation for AML. , 2015, , .		4

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55	A new hybrid heuristic for replica placement and request distribution in content distribution networks. <i>Optimization Letters</i> , 2015, 9, 677-692.	1.6	4
56	Linear mesh network planning for power transmission line management. <i>Transactions on Emerging Telecommunications Technologies</i> , 2016, 27, 1396-1408.	3.9	4
57	A Lightweight Strategy for Reliability of Consensus Mechanisms based on Software Defined Networks. , 2019, , .		4
58	An NDT Model for Block Designs Operating Under Asymmetrical Duty Cycling. <i>IEEE Wireless Communications Letters</i> , 2020, 9, 2116-2120.	5.0	4
59	On the Performance of GRASP-Based Feature Selection for CPS Intrusion Detection. <i>IEEE Transactions on Network and Service Management</i> , 2022, 19, 614-626.	4.9	4
60	Location Aware Discovery Service and Selection Protocol in Cooperative Mobile Wireless Ad Hoc Networks. , 2009, , .		3
61	SENSORLock: a lightweight key management scheme for wireless sensor networks. <i>Security and Communication Networks</i> , 2013, 6, 1198-1210.	1.5	3
62	An Exact Model of the Neighbor Discovery Time for Schedule-Based Asynchronous Duty Cycling. <i>IEEE Wireless Communications Letters</i> , 2013, 2, 635-638.	5.0	3
63	On the decrease in frame reception probability under heavy transmission loads in IEEE 802.11 networks. <i>Computer Standards and Interfaces</i> , 2013, 35, 374-379.	5.4	3
64	LIBR: ID-based routing for linear Wireless Mesh Networks. , 2015, , .		3
65	Modeling NDN PIT to analyze the limits of timeout on the effectiveness of flooding attacks. , 2016, , .		3
66	Quality of Service for Wireless Network Implementation in Advanced Metering Infrastructure. <i>IEEE Latin America Transactions</i> , 2017, 15, 1875-1880.	1.6	3
67	Multi-Channel Continuous Rendezvous in Cognitive Networks. , 2017, , .		3
68	AFTER: Algorithmic Framework for Throughput Estimators for IEEE 802.11 networks. <i>Simulation Modelling Practice and Theory</i> , 2018, 84, 143-160.	3.8	3
69	IEC 61850 Packet Generator for Testing Substation Communication. , 2019, , .		3
70	Robust Advanced Metering Infrastructures and Networks for Smart Grid. <i>Energy Systems in Electrical Engineering</i> , 2019, , 551-605.	0.7	3
71	Towards a fast and stable filter for RSSI-based handoff algorithms in dense indoor WLANs. <i>Computer Communications</i> , 2022, 183, 19-32.	5.1	3
72	Path Recovery Algorithm Using Fast-Failover for Software-Defined Networks. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
73	Implementations of traffic control mechanisms for high-speed networks. , 0, , .		2
74	Credit-based source-adaptive multilayered video multicast. Performance Evaluation, 2000, 40, 135-159.	1.2	2
75	Neighbor discovery time in schedule-based asynchronous duty cycling. , 2012, , .		2
76	Saving Resources in Discovery Protocol on Delay-Sensitive Rescue Mobile Networks. , 2017, , .		2
77	A Parallel Method for Anatomical Structure Segmentation based on 3D Seeded Region Growing. , 2020, , .		2
78	Counselors network for intrusion detection. International Journal of Network Management, 2021, 31, e2111.	2.2	2
79	Simulation of ISO/IEEE 11073 Personal Health Devices in WBANs. , 2019, , .		2
80	adaMOS. , 2006, , .		1
81	A fault-tolerant service discovery protocol for emergency search and rescue missions. , 2011, , .		1
82	Evaluating secondary transmission opportunities with full duplex radios. , 2014, , .		1
83	Collision probability estimation in wireless networks. , 2016, , .		1
84	Coexistence server in Cognitive Networks: A real implementation. Computer Standards and Interfaces, 2017, 50, 223-235.	5.4	1
85	Reducing multi-hop communication latency of schedule-based asynchronous duty cycle mechanisms through low-resolution synchronization. , 2018, , .		1
86	Reducing the Variability in Routing Decisions in Wireless Mesh Networks. , 2018, , .		1
87	Analysis of Smart Grid Fault Recovery Protocols. , 2020, , .		1
88	B-Move: A Transmission Scheduler Based on Human Body Movements for WBANs. , 2020, , .		1
89	Editorial for the special issue on research trends in network operations and management with selected papers from the ninth edition of the Latin American Network Operations and Management Symposium. International Journal of Network Management, 2021, 31, e2153.	2.2	1
90	A Source-adaptive Multi-layered Multicast Algorithm for Internet Video Distribution. Computer Communications and Networks, 2001, , 161-184.	0.8	1

#	ARTICLE	IF	CITATIONS
91	A Survey of Application-level Multicast Group Communication and a Proposal for Intelligent Reflectors. , 2006, , 117-126.		1
92	Modeling the transmission of coded packets for coding aware routing. , 2012, , .		0
93	Context adaptation in delay and disruption tolerant networks. , 2012, , .		0
94	Design and development of an integrated computational simulator for analysis and validation of the implementation of smart grids in Brazilian utilities. , 2014, , .		0
95	STELE: A Simple Technique for Local delay Estimation in WSN. , 2014, , .		0
96	Revisiting Probabilistic Schedule-Based Asynchronous Duty Cycling. International Journal of Wireless Information Networks, 2019, 26, 24-38.	2.7	0
97	A Case Study of Association Instability in Dense IEEE 802.11 Networks. , 2019, , .		0
98	Modeling the performance of the link quality hypothesis test estimator mechanism in wireless networks. Wireless Networks, 2021, 27, 4065-4081.	3.0	0