

Olabisi Falowo

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

790
citations

933447

10
h-index

642732

23
g-index

80
all docs

80
docs citations

80
times ranked

726
citing authors

#	ARTICLE	IF	CITATIONS
1	Bandwidth aggregation in heterogeneous wireless networks: A survey of current approaches and issues. <i>Journal of Network and Computer Applications</i> , 2012, 35, 1674-1690.	9.1	96
2	Combination of Ultra-Dense Networks and Other 5G Enabling Technologies: A Survey. <i>IEEE Access</i> , 2020, 8, 22893-22932.	4.2	87
3	Network selection in heterogeneous wireless networks using multi-criteria decision-making algorithms: a review. <i>Wireless Networks</i> , 2017, 23, 2617-2649.	3.0	61
4	Joint call admission control algorithms: Requirements, approaches, and design considerations. <i>Computer Communications</i> , 2008, 31, 1200-1217.	5.1	47
5	A Survey on Slice Admission Control Strategies and Optimization Schemes in 5G Network. <i>IEEE Access</i> , 2020, 8, 14977-14990.	4.2	37
6	Latency-Aware Dynamic Resource Allocation Scheme for Multi-Tier 5G Network: A Network Slicing-Multitenancy Scenario. <i>IEEE Access</i> , 2020, 8, 74834-74852.	4.2	34
7	5G network slicing: A multi-tenancy scenario. , 2017, , .		33
8	Adaptive Bandwidth Management and Joint Call Admission Control to Enhance System Utilization and QoS in Heterogeneous Wireless Networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2007, 2007, 1.	2.4	30
9	Dynamic RAT selection for multiple calls in heterogeneous wireless networks using group decision-making technique. <i>Computer Networks</i> , 2012, 56, 1390-1401.	5.1	28
10	Traffic-profile and machine learning based regional data center design and operation for 5G network. <i>Journal of Communications and Networks</i> , 2019, 21, 569-583.	2.6	18
11	Joint Call Admission Control Algorithm for Fair Radio Resource Allocation in Heterogeneous Wireless Networks Supporting Heterogeneous Mobile Terminals. , 2010, , .		16
12	PMIPv6 and MIH-enhanced PMIPv6 for mobility management in heterogeneous wireless networks. , 2009, , .		14
13	Design and performance evaluation of distributed mobility management schemes for network mobility. <i>Journal of Network and Computer Applications</i> , 2016, 61, 46-58.	9.1	14
14	RAT selection for multiple calls in heterogeneous wireless networks using modified topsis group decision making technique. , 2011, , .		13
15	Self-organizing radio resource management for next generation heterogeneous wireless networks. , 2016, , .		13
16	Latency-Aware Dynamic Resource Allocation Scheme for 5G Heterogeneous Network: A Network Slicing-Multitenancy Scenario. , 2019, , .		12
17	Fuzzy Logic Based Call Admission Control for Next Generation Wireless Networks. , 2006, , .		11
18	Joint Call Admission Control for Next Generation Wireless Network. , 2006, , .		11

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19	PMIPv6-HC: Handover Mechanism for Reducing Handover Delay and Packet Loss in NGWN. , 2010, , .		11
20	Intelligent NLOS Backhaul for 5G Small Cells. IEEE Communications Letters, 2018, 22, 189-192.	4.1	9
21	Multiple-call handover decisions using fuzzy MCGDM in heterogeneous wireless networks. , 2011, , .		8
22	Multiple-RAT selection for reducing call blocking/dropping probability in cooperative heterogeneous wireless networks. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	8
23	Network-based distributed mobility management: Design and analysis. , 2013, , .		8
24	Joint optimization of energy efficiency and spectrum efficiency in 5G ultra-dense networks. , 2017, , .		8
25	Effect of call dynamics of a multiservice multimode terminal on RAT selection in heterogeneous wireless networks. , 2012, , .		7
26	Distributed mobility management scheme with mobility routing function at the gateways. , 2012, , .		7
27	Handover approaches for seamless mobility management in next generation wireless networks. Wireless Communications and Mobile Computing, 2012, 12, 1414-1428.	1.2	7
28	A multimora approach to access network selection process in heterogeneous wireless networks. , 2015, , .		7
29	Intelligent Cognitive Radio Models for Enhancing Future Radio Astronomy Observations. Advances in Astronomy, 2016, 2016, 1-15.	1.1	7
30	An energy-efficient radio resource allocation algorithm for heterogeneous wireless networks. , 2016, , .		7
31	Achieving seamless mobility through handover coordination in a network-based localized mobility managed heterogeneous environment. , 2010, , .		6
32	Effect of mobile terminal heterogeneity on call blocking/dropping probability in cooperative heterogeneous cellular networks. Telecommunication Systems, 2011, 47, 337-349.	2.5	6
33	A new network selection algorithm for group calls over heterogeneous wireless networks with dynamic multi-criteria. , 2016, , .		6
34	Instrumentation Location Diversity Paradigm for Future Astronomy Observations. Wireless Personal Communications, 2018, 103, 2475-2499.	2.7	6
35	Profit-Aware Resource Allocation for 5G Sliced Networks. , 2018, , .		6
36	Mobility management with distributed mobility routing functions. Telecommunication Systems, 2015, 59, 229-246.	2.5	5

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37	ANDSF-based WLAN offloading in the Evolved Packet System (EPS)., 2016, , .		5
38	QoS-based radio resource management for 5G ultra-dense heterogeneous networks. , 2017, , .		5
39	Optimal joint radio resource management to improve connection-level QoS in next generation wireless networks. , 2008, , .		4
40	Distributed Mobility Management with Distributed Routing Management at Access Routers for Network-Based Mobility Support. Wireless Personal Communications, 2015, 84, 181-205.	2.7	4
41	Cognitive Communications for Commercial Networked Earth Observing Fractionated Small Satellites. Wireless Personal Communications, 2017, 97, 443-467.	2.7	4
42	Performance analysis of two-tier multiantenna 5G heterogeneous wireless networks with dual band transmission. , 2017, , .		4
43	Energy efficient user association scheme in cellular machine to machine communications. , 2017, , .		4
44	Handover Coordinator for Improved Handover Performance in PMIPv6-Supported Heterogeneous Wireless Networks. , 2010, , .		3
45	Achieving efficient network resources utilization in bicasting Proxy Mobile IPv6. , 2012, , .		3
46	Network-based distributed mobility management for network mobility. , 2014, , .		3
47	Traffic-Aware Heuristic BBU-RRH Switching Scheme to Enhance QoS and Reduce Complexity. , 2018, , .		3
48	Energy-efficient resource allocation for lifetime maximization in M2M networks. International Journal of Communication Systems, 2020, 33, e4509.	2.5	3
49	Terminal-Modality-Based Joint Call Admission Control Algorithm for Fair Radio Resource Allocation in Heterogeneous Cellular Networks. International Journal of Communications, Network and System Sciences, 2012, 05, 392-404.	0.6	3
50	Dynamic Threshold-Based Joint Call Admission Control Scheme for Multi-Service Heterogeneous Cellular Networks. , 2007, , .		2
51	Join call admission control algorithm to enhance connection-level QoS in heterogeneous cellular networks. , 2007, , .		2
52	Stochastic model of a user-centric joint call admission control scheme for heterogeneous wireless networks. , 2008, , .		2
53	Dynamic pricing for load-balancing in user-centric joint call admission control of next-generation wireless networks. International Journal of Communication Systems, 2010, 23, 335-368.	2.5	2
54	Heuristic RAT selection policy to minimize call blocking probability in next generation wireless networks. Wireless Communications and Mobile Computing, 2010, 10, 214-229.	1.2	2

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55	Effect of RAT selection based on service symmetry and network duplex mode in heterogeneous wireless networks. , 2011, , .		2
56	A cross-layer approach to optimize proxy mobile IPv6 handovers performance. , 2012, , .		2
57	MPEG video streaming solution for multihomed-terminals in heterogeneous wireless networks. , 2013, , .		2
58	Predictive RAT-selection algorithm for enhancing QoS in heterogeneous wireless networks. , 2014, , .		2
59	Mathematical Modeling and Optimization of Industrial Problems. Journal of Applied Mathematics, 2015, 2015, 1-3.	0.9	2
60	An Energy Efficiency Analysis for Outdoor Wireless Small Cell Backhaul. , 2017, , .		2
61	Heterogeneities of Wireless Networks: Radio Resource Management Challenges and Possible Solutions. Wireless Personal Communications, 2017, 92, 1713-1746.	2.7	2
62	QoS-aware radio resource allocation for ultra-dense heterogeneous networks. , 2017, , .		2
63	Network Selection Decisions for Multiple Calls Based on Consensus Level. Journal of Network and Systems Management, 2018, 26, 592-615.	4.9	2
64	Application-Aware Game Theoretic Pricing Algorithm for Cellular Machine-to-Machine Communications. , 2018, , .		2
65	Effect of mobile terminal heterogeneity on connection-level QOS in next generation wireless networks. , 2009, , .		1
66	Comparative analysis of algorithms for making multiple-sessions handover decisions in next generation wireless networks. , 2013, , .		1
67	Selective call-dropping and bandwidth adaptation for reducing multiple-call handoff dropping. , 2013, , .		1
68	Using Multiple Links Simultaneously to Increase Capacity for Multi-homed Terminals in Heterogeneous Wireless Networks. , 2013, , .		1
69	Consensus-based algorithm for making network selection decisions in heterogeneous wireless networks. , 2015, , .		1
70	A source-destination based dynamic pricing scheme to control congestion in heterogeneous wireless networks. , 2016, , .		1
71	Routing multiple description video over NLOS small cell backhaul. , 2017, , .		1
72	Hybrid wireless aided volunteer computing paradigm. Wireless Networks, 2020, 26, 5355-5369.	3.0	1

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73	Analysis of Joint Call Admission Control Strategies for Heterogeneous Cellular Networks. Proceedings - International Symposium on Computers and Communications, 2007, , .	0.0	0
74	Improving inter service bandwidth fairness in Wireless Mesh Network. , 2012, , .		0
75	An intelligent cognitive MAC-based sensing protocol with pseudo-deterministic convergence bounds. , 2013, , .		0
76	Improving H.264 Scalable Video Delivery for Multi-homed Terminals Using Multiple Links in Heterogeneous Wireless Networks. , 2013, , .		0
77	Adaptive mobility aware call admission control for mobile hotspot networks. , 2016, , .		0
78	Optimal multicriteria RAT-selection decisions for multiple handoff calls in heterogeneous wireless networks. , 2016, , .		0
79	Towards Optimum Energy Efficiency in Ultra-Dense Networks Using Distributed Resource Allocation with Cell On & Off. , 2018, , .		0
80	Wireless networks performance enhancement via buffered cooperative communications. IET Communications, 2019, 13, 3020-3029.	2.2	0