

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 | Energy-efficient resource allocation for lifetime maximization in M2M networks. International Journal of Communication Systems, 2020, 33, e4509. | 2.5 | 3 |
| 2 | Latency-Aware Dynamic Resource Allocation Scheme for Multi-Tier 5G Network: A Network Slicing-Multitenancy Scenario. IEEE Access, 2020, 8, 74834-74852. | 4.2 | 34 |
| 3 | Hybrid wireless aided volunteer computing paradigm. Wireless Networks, 2020, 26, 5355-5369. | 3.0 | 1 |
| 4 | Combination of Ultra-Dense Networks and Other 5G Enabling Technologies: A Survey. IEEE Access, 2020, 8, 22893-22932. | 4.2 | 87 |
| 5 | A Survey on Slice Admission Control Strategies and Optimization Schemes in 5G Network. IEEE Access, 2020, 8, 14977-14990. | 4.2 | 37 |
| 6 | Traffic-profile and machine learning based regional data center design and operation for 5G network. Journal of Communications and Networks, 2019, 21, 569-583. | 2.6 | 18 |
| 7 | Latency-Aware Dynamic Resource Allocation Scheme for 5G Heterogeneous Network: A Network Slicing-Multitenancy Scenario. , 2019, , . | | 12 |
| 8 | Wireless networks performance enhancement via buffered cooperative communications. IET Communications, 2019, 13, 3020-3029. | 2.2 | 0 |
| 9 | Intelligent NLOS Backhaul for 5G Small Cells. IEEE Communications Letters, 2018, 22, 189-192. | 4.1 | 9 |
| 10 | Network Selection Decisions for Multiple Calls Based on Consensus Level. Journal of Network and Systems Management, 2018, 26, 592-615. | 4.9 | 2 |
| 11 | Towards Optimum Energy Efficiency in Ultra-Dense Networks Using Distributed Resource Allocation with Cell On & Off. , 2018, , . | | 0 |
| 12 | Application-Aware Game Theoretic Pricing Algorithm for Cellular Machine-to-Machine Communications. , 2018, , . | | 2 |
| 13 | Traffic-Aware Heuristic BBU-RRH Switching Scheme to Enhance QoS and Reduce Complexity. , 2018, , . | | 3 |
| 14 | Instrumentation Location Diversity Paradigm for Future Astronomy Observations. Wireless Personal Communications, 2018, 103, 2475-2499. | 2.7 | 6 |
| 15 | Profit-Aware Resource Allocation for 5G Sliced Networks. , 2018, , . | | 6 |
| 16 | Network selection in heterogeneous wireless networks using multi-criteria decision-making algorithms: a review. Wireless Networks, 2017, 23, 2617-2649. | 3.0 | 61 |
| 17 | An Energy Efficiency Analysis for Outdoor Wireless Small Cell Backhaul. , 2017, , . | | 2 |
| 18 | Cognitive Communications for Commercial Networked Earth Observing Fractionated Small Satellites. Wireless Personal Communications, 2017, 97, 443-467. | 2.7 | 4 |

| # | ARTICLE | IF | CITATIONS |
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| 19 | QoS-based radio resource management for 5G ultra-dense heterogeneous networks. , 2017, , . | | 5 |
| 20 | Joint optimization of energy efficiency and spectrum efficiency in 5G ultra-dense networks. , 2017, , . | | 8 |
| 21 | Performance analysis of two-tier multiantenna 5G heterogeneous wireless networks with dual band transmission. , 2017, , . | | 4 |
| 22 | Heterogeneities of Wireless Networks: Radio Resource Management Challenges and Possible Solutions. Wireless Personal Communications, 2017, 92, 1713-1746. | 2.7 | 2 |
| 23 | 5G network slicing: A multi-tenancy scenario. , 2017, , . | | 33 |
| 24 | QoS-aware radio resource allocation for ultra-dense heterogeneous networks. , 2017, , . | | 2 |
| 25 | Routing multiple description video over NLOS small cell backhaul. , 2017, , . | | 1 |
| 26 | Energy efficient user association scheme in cellular machine to machine communications. , 2017, , . | | 4 |
| 27 | Intelligent Cognitive Radio Models for Enhancing Future Radio Astronomy Observations. Advances in Astronomy, 2016, 2016, 1-15. | 1.1 | 7 |
| 28 | Adaptive mobility aware call admission control for mobile hotspot networks. , 2016, , . | | 0 |
| 29 | An energy-efficient radio resource allocation algorithm for heterogeneous wireless networks. , 2016, , . | | 7 |
| 30 | A source-destination based dynamic pricing scheme to control congestion in heterogeneous wireless networks. , 2016, , . | | 1 |
| 31 | Optimal multicriteria RAT-selection decisions for multiple handoff calls in heterogeneous wireless networks. , 2016, , . | | 0 |
| 32 | A new network selection algorithm for group calls over heterogeneous wireless networks with dynamic multi-criteria. , 2016, , . | | 6 |
| 33 | ANDSF-based WLAN offloading in the Evolved Packet System (EPS). , 2016, , . | | 5 |
| 34 | Self-organizing radio resource management for next generation heterogeneous wireless networks. , 2016, , . | | 13 |
| 35 | Design and performance evaluation of distributed mobility management schemes for network mobility. Journal of Network and Computer Applications, 2016, 61, 46-58. | 9.1 | 14 |
| 36 | Mathematical Modeling and Optimization of Industrial Problems. Journal of Applied Mathematics, 2015, 2015, 1-3. | 0.9 | 2 |

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| 37 | Distributed Mobility Management with Distributed Routing Management at Access Routers for Network-Based Mobility Support. <i>Wireless Personal Communications</i> , 2015, 84, 181-205. | 2.7 | 4 |
| 38 | A multimora approach to access network selection process in heterogeneous wireless networks. , 2015, , . | | 7 |
| 39 | Consensus-based algorithm for making network selection decisions in heterogeneous wireless networks. , 2015, , . | | 1 |
| 40 | Mobility management with distributed mobility routing functions. <i>Telecommunication Systems</i> , 2015, 59, 229-246. | 2.5 | 5 |
| 41 | Network-based distributed mobility management for network mobility. , 2014, , . | | 3 |
| 42 | Predictive RAT-selection algorithm for enhancing QoS in heterogeneous wireless networks. , 2014, , . | | 2 |
| 43 | Network-based distributed mobility management: Design and analysis. , 2013, , . | | 8 |
| 44 | An intelligent cognitive MAC-based sensing protocol with pseudo-deterministic convergence bounds. , 2013, , . | | 0 |
| 45 | Comparative analysis of algorithms for making multiple-sessions handover decisions in next generation wireless networks. , 2013, , . | | 1 |
| 46 | MPEG video streaming solution for multihomed-terminals in heterogeneous wireless networks. , 2013, , . | | 2 |
| 47 | Selective call-dropping and bandwidth adaptation for reducing multiple-call handoff dropping. , 2013, , . | | 1 |
| 48 | Improving H.264 Scalable Video Delivery for Multi-homed Terminals Using Multiple Links in Heterogeneous Wireless Networks. , 2013, , . | | 0 |
| 49 | Using Multiple Links Simultaneously to Increase Capacity for Multi-homed Terminals in Heterogeneous Wireless Networks. , 2013, , . | | 1 |
| 50 | Improving inter service bandwidth fairness in Wireless Mesh Network. , 2012, , . | | 0 |
| 51 | Achieving efficient network resources utilization in bicasting Proxy Mobile IPv6. , 2012, , . | | 3 |
| 52 | Effect of call dynamics of a multiservice multimode terminal on RAT selection in heterogeneous wireless networks. , 2012, , . | | 7 |
| 53 | Distributed mobility management scheme with mobility routing function at the gateways. , 2012, , . | | 7 |
| 54 | A cross-layer approach to optimize proxy mobile IPv6 handovers performance. , 2012, , . | | 2 |

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|----|--|-----|-----------|
| 55 | Multiple-RAT selection for reducing call blocking/dropping probability in cooperative heterogeneous wireless networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2012, 2012, . | 2.4 | 8 |
| 56 | 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 |
| 57 | Handover approaches for seamless mobility management in next generation wireless networks. <i>Wireless Communications and Mobile Computing</i> , 2012, 12, 1414-1428. | 1.2 | 7 |
| 58 | 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 |
| 59 | Terminal-Modality-Based Joint Call Admission Control Algorithm for Fair Radio Resource Allocation in Heterogeneous Cellular Networks. <i>International Journal of Communications, Network and System Sciences</i> , 2012, 05, 392-404. | 0.6 | 3 |
| 60 | Effect of RAT selection based on service symmetry and network duplex mode in heterogeneous wireless networks. , 2011, , . | | 2 |
| 61 | RAT selection for multiple calls in heterogeneous wireless networks using modified topsis group decision making technique. , 2011, , . | | 13 |
| 62 | Multiple-call handover decisions using fuzzy MCGDM in heterogeneous wireless networks. , 2011, , . | | 8 |
| 63 | Effect of mobile terminal heterogeneity on call blocking/dropping probability in cooperative heterogeneous cellular networks. <i>Telecommunication Systems</i> , 2011, 47, 337-349. | 2.5 | 6 |
| 64 | Dynamic pricing for load balancing in user-centric joint call admission control of next-generation wireless networks. <i>International Journal of Communication Systems</i> , 2010, 23, 335-368. | 2.5 | 2 |
| 65 | Heuristic RAT selection policy to minimize call blocking probability in next generation wireless networks. <i>Wireless Communications and Mobile Computing</i> , 2010, 10, 214-229. | 1.2 | 2 |
| 66 | Handover Coordinator for Improved Handover Performance in PMIPv6-Supported Heterogeneous Wireless Networks. , 2010, , . | | 3 |
| 67 | Joint Call Admission Control Algorithm for Fair Radio Resource Allocation in Heterogeneous Wireless Networks Supporting Heterogeneous Mobile Terminals. , 2010, , . | | 16 |
| 68 | PMIPv6-HC: Handover Mechanism for Reducing Handover Delay and Packet Loss in NGWN. , 2010, , . | | 11 |
| 69 | Achieving seamless mobility through handover coordination in a network-based localized mobility managed heterogeneous environment. , 2010, , . | | 6 |
| 70 | Effect of mobile terminal heterogeneity on connection-level QOS in next generation wireless networks. , 2009, , . | | 1 |
| 71 | PMIPv6 and MIH-enhanced PMIPv6 for mobility management in heterogeneous wireless networks. , 2009, , . | | 14 |
| 72 | Joint call admission control algorithms: Requirements, approaches, and design considerations. <i>Computer Communications</i> , 2008, 31, 1200-1217. | 5.1 | 47 |

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| 73 | Stochastic model of a user-centric joint call admission control scheme for heterogeneous wireless networks. , 2008, , . | | 2 |
| 74 | Optimal joint radio resource management to improve connection-level QoS in next generation wireless networks. , 2008, , . | | 4 |
| 75 | Dynamic Threshold-Based Joint Call Admission Control Scheme for Multi-Service Heterogeneous Cellular Networks. , 2007, , . | | 2 |
| 76 | Adaptive Bandwidth Management and Joint Call Admission Control to Enhance System Utilization and QoS in Heterogeneous Wireless Networks. Eurasip Journal on Wireless Communications and Networking, 2007, 2007, 1. | 2.4 | 30 |
| 77 | Analysis of Joint Call Admission Control Strategies for Heterogeneous Cellular Networks. Proceedings - International Symposium on Computers and Communications, 2007, , . | 0.0 | 0 |
| 78 | Join call admission control algorithm to enhance connection-level QoS in heterogeneous cellular networks. , 2007, , . | | 2 |
| 79 | Fuzzy Logic Based Call Admission Control for Next Generation Wireless Networks. , 2006, , . | | 11 |
| 80 | Joint Call Admission Control for Next Generation Wireless Network. , 2006, , . | | 11 |