

# Nei Kato

## List of Publications by Year in descending order

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Version: 2024-02-01

430  
papers

19,121  
citations

12330

69  
h-index

16650

123  
g-index

444  
all docs

444  
docs citations

444  
times ranked

12213  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Space-Air-Ground Integrated Network: A Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 2714-2741.   | 39.4 | 634       |
| 2  | State-of-the-Art Deep Learning: Evolving Machine Intelligence Toward Tomorrow's Intelligent Network Traffic Control Systems. IEEE Communications Surveys and Tutorials, 2017, 19, 2432-2455. | 39.4 | 611       |
| 3  | Device-to-Device Communication in LTE-Advanced Networks: A Survey. IEEE Communications Surveys and Tutorials, 2015, 17, 1923-1940.   | 39.4 | 541       |
| 4  | Toward intelligent machine-to-machine communications in smart grid. , 2011, 49, 60-65.   |      | 445       |
| 5  | 6G: Opening New Horizons for Integration of Comfort, Security, and Intelligence. IEEE Wireless Communications, 2020, 27, 126-132.  | 9.0  | 442       |
| 6  | Future Intelligent and Secure Vehicular Network Toward 6G: Machine-Learning Approaches. Proceedings of the IEEE, 2020, 108, 292-307.   | 21.3 | 404       |
| 7  | A Lightweight Message Authentication Scheme for Smart Grid Communications. IEEE Transactions on Smart Grid, 2011, 2, 675-685.  | 9.0  | 390       |
| 8  | A survey of routing attacks in mobile ad hoc networks. IEEE Wireless Communications, 2007, 14, 85-91.  | 9.0  | 367       |
| 9  | A Stable Routing Protocol to Support ITS Services in VANET Networks. IEEE Transactions on Vehicular Technology, 2007, 56, 3337-3347.   | 6.3  | 346       |
| 10 | The Deep Learning Vision for Heterogeneous Network Traffic Control: Proposal, Challenges, and Future Perspective. IEEE Wireless Communications, 2017, 24, 146-153.                           | 9.0  | 343       |
| 11 | Relay-by-smartphone: realizing multihop device-to-device communications. , 2014, 52, 56-65.  |      | 322       |
| 12 | Networking and Communications in Autonomous Driving: A Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 1243-1274.   | 39.4 | 319       |
| 13 | Hybrid Method for Minimizing Service Delay in Edge Cloud Computing Through VM Migration and Transmission Power Control. IEEE Transactions on Computers, 2017, 66, 810-819.                   | 3.4  | 313       |
| 14 | A Survey on Network Methodologies for Real-Time Analytics of Massive IoT Data and Open Research Issues. IEEE Communications Surveys and Tutorials, 2017, 19, 1457-1477.                      | 39.4 | 300       |
| 15 | Routing or Computing? The Paradigm Shift Towards Intelligent Computer Network Packet Transmission Based on Deep Learning. IEEE Transactions on Computers, 2017, 66, 1946-1960.               | 3.4  | 275       |
| 16 | Optimizing Space-Air-Ground Integrated Networks by Artificial Intelligence. IEEE Wireless Communications, 2019, 26, 140-147.   | 9.0  | 272       |
| 17 | Smart Resource Allocation for Mobile Edge Computing: A Deep Reinforcement Learning Approach. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1529-1541.                          | 4.6  | 252       |
| 18 | Ten Challenges in Advancing Machine Learning Technologies toward 6G. IEEE Wireless Communications, 2020, 27, 96-103.   | 9.0  | 248       |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Mobile-Edge Computation Offloading for Ultradense IoT Networks. IEEE Internet of Things Journal, 2018, 5, 4977-4988.   | 8.7  | 238       |
| 20 | AC-POCA: Anticoordination Game Based Partially Overlapping Channels Assignment in Combined UAV and D2D-Based Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 1672-1683.                       | 6.3  | 237       |
| 21 | Device-to-device communications achieve efficient load balancing in LTE-advanced networks. IEEE Wireless Communications, 2014, 21, 57-65.  | 9.0  | 202       |
| 22 | An Intelligent Traffic Load Prediction-Based Adaptive Channel Assignment Algorithm in SDN-IoT: A Deep Learning Approach. IEEE Internet of Things Journal, 2018, 5, 5141-5154.                                | 8.7  | 198       |
| 23 | On Removing Routing Protocol from Future Wireless Networks: A Real-time Deep Learning Approach for Intelligent Traffic Control. IEEE Wireless Communications, 2018, 25, 154-160.                             | 9.0  | 197       |
| 24 | On the Outage Probability of Device-to-Device-Communication-Enabled Multichannel Cellular Networks: An RSS-Threshold-Based Perspective. IEEE Journal on Selected Areas in Communications, 2016, 34, 163-175. | 14.0 | 184       |
| 25 | Toward secure targeted broadcast in smart grid. IEEE Communications Magazine, 2012, 50, 150-156.   | 6.1  | 177       |
| 26 | Sage: a strong privacy-preserving scheme against global eavesdropping for ehealth systems. IEEE Journal on Selected Areas in Communications, 2009, 27, 365-378.  | 14.0 | 176       |
| 27 | A dynamic trajectory control algorithm for improving the communication throughput and delay in UAV-aided networks. IEEE Network, 2016, 30, 100-105.  | 6.9  | 175       |
| 28 | Device-to-device communications for enhancing quality of experience in software defined multi-tier LTE-A networks. IEEE Network, 2015, 29, 46-52.  | 6.9  | 172       |
| 29 | A handwritten character recognition system using directional element feature and asymmetric Mahalanobis distance. IEEE Transactions on Pattern Analysis and Machine Intelligence, 1999, 21, 258-262.         | 13.9 | 169       |
| 30 | Envisioning Device-to-Device Communications in 6G. IEEE Network, 2020, 34, 86-91.  | 6.9  | 165       |
| 31 | Machine Learning Meets Computation and Communication Control in Evolving Edge and Cloud: Challenges and Future Perspective. IEEE Communications Surveys and Tutorials, 2020, 22, 38-67.                      | 39.4 | 164       |
| 32 | GTES: An Optimized Game-Theoretic Demand-Side Management Scheme for Smart Grid. IEEE Systems Journal, 2014, 8, 588-597.  | 4.6  | 156       |
| 33 | On the Partially Overlapped Channel Assignment on Wireless Mesh Network Backbone: A Game Theoretic Approach. IEEE Journal on Selected Areas in Communications, 2012, 30, 119-127.                            | 14.0 | 154       |
| 34 | Cloudlets Activation Scheme for Scalable Mobile Edge Computing with Transmission Power Control and Virtual Machine Migration. IEEE Transactions on Computers, 2018, 67, 1287-1300.                           | 3.4  | 154       |
| 35 | Generalized Two-Hop Relay for Flexible Delay Control in MANETs. IEEE/ACM Transactions on Networking, 2012, 20, 1950-1963.  | 3.8  | 151       |
| 36 | A Survey on Space-Air-Ground-Sea Integrated Network Security in 6G. IEEE Communications Surveys and Tutorials, 2022, 24, 53-87.  | 39.4 | 140       |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 37 | Joint Placement of Controllers and Gateways in SDN-Enabled 5G-Satellite Integrated Network. IEEE Journal on Selected Areas in Communications, 2018, 36, 221-232.                    | 14.0 | 134       |
| 38 | AI-Based Joint Optimization of QoS and Security for 6G Energy Harvesting Internet of Things. IEEE Internet of Things Journal, 2020, 7, 7032-7042.                                   | 8.7  | 132       |
| 39 | Disaster-resilient networking: a new vision based on movable and deployable resource units. IEEE Network, 2013, 27, 40-46.  | 6.9  | 130       |
| 40 | Smart and Resilient EV Charging in SDN-Enhanced Vehicular Edge Computing Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 217-228.                             | 14.0 | 130       |
| 41 | A Deep-Learning-Based Radio Resource Assignment Technique for 5G Ultra Dense Networks. IEEE Network, 2018, 32, 28-34.   | 6.9  | 128       |
| 42 | New Perspectives on Future Smart FiWi Networks: Scalability, Reliability, and Energy Efficiency. IEEE Communications Surveys and Tutorials, 2016, 18, 1045-1072.                    | 39.4 | 118       |
| 43 | DTRAB: Combating Against Attacks on Encrypted Protocols Through Traffic-Feature Analysis. IEEE/ACM Transactions on Networking, 2010, 18, 1234-1247.                                 | 3.8  | 117       |
| 44 | When Machine Learning Meets Privacy in 6G: A Survey. IEEE Communications Surveys and Tutorials, 2020, 22, 2694-2724.  | 39.4 | 111       |
| 45 | Toward Energy Efficient Big Data Gathering in Densely Distributed Sensor Networks. IEEE Transactions on Emerging Topics in Computing, 2014, 2, 388-397.                             | 4.6  | 110       |
| 46 | Intelligent Reflecting Surface Placement Optimization in Air-Ground Communication Networks Toward 6G. IEEE Wireless Communications, 2020, 27, 146-151.                              | 9.0  | 109       |
| 47 | Deep Reinforcement Learning for Dynamic Uplink/Downlink Resource Allocation in High Mobility 5G HetNet. IEEE Journal on Selected Areas in Communications, 2020, 38, 2773-2782.      | 14.0 | 109       |
| 48 | Optimal Edge Resource Allocation in IoT-Based Smart Cities. IEEE Network, 2019, 33, 30-35.  | 6.9  | 104       |
| 49 | AI Models for Green Communications Towards 6G. IEEE Communications Surveys and Tutorials, 2022, 24, 210-247.  | 39.4 | 104       |
| 50 | An early warning system against malicious activities for smart grid communications. IEEE Network, 2011, 25, 50-55.  | 6.9  | 98        |
| 51 | A Dynamic Anomaly Detection Scheme for AODV-Based Mobile Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2009, 58, 2471-2481.   | 6.3  | 97        |
| 52 | Toward Optimized Traffic Distribution for Efficient Network Capacity Utilization in Two-Layered Satellite Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 1303-1313. | 6.3  | 97        |
| 53 | On a Novel Deep-Learning-Based Intelligent Partially Overlapping Channel Assignment in SDN-IoT. IEEE Communications Magazine, 2018, 56, 80-86.                                      | 6.1  | 97        |
| 54 | A Novel Non-Supervised Deep-Learning-Based Network Traffic Control Method for Software Defined Wireless Networks. IEEE Wireless Communications, 2018, 25, 74-81.                    | 9.0  | 96        |

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|----|--|------|-----------|
| 55 | Extending the lifetime of wireless sensor networks: A hybrid routing algorithm. Computer Communications, 2012, 35, 1056-1063.  | 5.1  | 95        |
| 56 | Comprehensive Survey on Machine Learning in Vehicular Network: Technology, Applications and Challenges. IEEE Communications Surveys and Tutorials, 2021, 23, 2027-2057.  | 39.4 | 92        |
| 57 | GT-CFS: A Game Theoretic Coalition Formulation Strategy for Reducing Power Loss in Micro Grids. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 2307-2317.  | 5.6  | 91        |
| 58 | Routing for Crowd Management in Smart Cities: A Deep Reinforcement Learning Perspective. IEEE Communications Magazine, 2019, 57, 88-93.  | 6.1  | 91        |
| 59 | Automobile Driver Fingerprinting: A New Machine Learning Based Authentication Scheme. IEEE Transactions on Industrial Informatics, 2020, 16, 1417-1426.  | 11.3 | 89        |
| 60 | Survey on Machine Learning for Intelligent End-to-End Communication Toward 6G: From Network Access, Routing to Traffic Control and Streaming Adaption. IEEE Communications Surveys and Tutorials, 2021, 23, 1578-1598. | 39.4 | 86        |
| 61 | Optimizing Computation Offloading in Satellite-UAV-Served 6G IoT: A Deep Learning Approach. IEEE Network, 2021, 35, 102-108.   | 6.9  | 85        |
| 62 | HYMN: A Novel Hybrid Multi-Hop Routing Algorithm to Improve the Longevity of WSNs. IEEE Transactions on Wireless Communications, 2012, 11, 2531-2541.  | 9.2  | 81        |
| 63 | A Mobility Analytical Framework for Big Mobile Data in Densely Populated Area. IEEE Transactions on Vehicular Technology, 2017, 66, 1443-1455.   | 6.3  | 78        |
| 64 | Reliability evaluation for NFV deployment of future mobile broadband networks. IEEE Wireless Communications, 2016, 23, 90-96.  | 9.0  | 77        |
| 65 | A Novel Scheme for WSN Sink Mobility Based on Clustering and Set Packing Techniques. IEEE Transactions on Automatic Control, 2011, 56, 2381-2389.  | 5.7  | 76        |
| 66 | LTRT: An efficient and reliable topology control algorithm for ad-hoc networks. IEEE Transactions on Wireless Communications, 2009, 8, 6050-6058.  | 9.2  | 75        |
| 67 | On A Novel Adaptive UAV-Mounted Cloudlet-Aided Recommendation System for LBSNs. IEEE Transactions on Emerging Topics in Computing, 2019, 7, 565-577.   | 4.6  | 75        |
| 68 | Delay and Capacity in Ad Hoc Mobile Networks with f-cast Relay Algorithms. IEEE Transactions on Wireless Communications, 2011, 10, 2738-2751.  | 9.2  | 74        |
| 69 | An Intelligent Route Computation Approach Based on Real-Time Deep Learning Strategy for Software Defined Communication Systems. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1554-1565.                 | 4.6  | 73        |
| 70 | A Cross-Domain SDN Architecture for Multi-Layered Space-Terrestrial Integrated Networks. IEEE Network, 2019, 33, 29-35.  | 6.9  | 73        |
| 71 | Load Balancing and QoS Provisioning Based on Congestion Prediction for GEO/LEO Hybrid Satellite Networks. Proceedings of the IEEE, 2011, 99, 1998-2007.  | 21.3 | 72        |
| 72 | Effective Data Collection Via Satellite-Routed Sensor System (SRSS) to Realize Global-Scaled Internet of Things. IEEE Sensors Journal, 2013, 13, 3645-3654.  | 4.7  | 71        |

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|----|---|------|-----------|
| 73 | An optimal data collection technique for improved utility in UAS-aided networks. , 2014, , .  |      | 71        |
| 74 | Aeronautical ad hoc networks. , 2006, , .   |      | 70        |
| 75 | A Traffic Distribution Technique to Minimize Packet Delivery Delay in Multilayered Satellite Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 3315-3324.                      | 6.3  | 70        |
| 76 | Fault-resilient sensing in wireless sensor networks. Computer Communications, 2007, 30, 2375-2384.  | 5.1  | 69        |
| 77 | HCP: Heterogeneous Computing Platform for Federated Learning Based Collaborative Content Caching Towards 6G Networks. IEEE Transactions on Emerging Topics in Computing, 2022, 10, 112-123. | 4.6  | 67        |
| 78 | A MPCP-Based Centralized Rate Control Method for Mobile Stations in FiWi Access Networks. IEEE Wireless Communications Letters, 2015, 4, 205-208.   | 5.0  | 65        |
| 79 | Bringing movable and deployable networks to disaster areas: development and field test of MDRU. IEEE Network, 2016, 30, 86-91.  | 6.9  | 63        |
| 80 | TSP Security in Intelligent and Connected Vehicles: Challenges and Solutions. IEEE Wireless Communications, 2019, 26, 125-131.  | 9.0  | 63        |
| 81 | A survey of game theoretic approaches in smart grid. , 2011, , .  |      | 62        |
| 82 | On Minimizing the Impact of Mobility on Topology Control in Mobile Ad Hoc Networks. IEEE Transactions on Wireless Communications, 2012, 11, 1158-1166.                                      | 9.2  | 61        |
| 83 | A Feedback Control-Based Crowd Dynamics Management in IoT System. IEEE Internet of Things Journal, 2017, 4, 1466-1476.  | 8.7  | 60        |
| 84 | Supporting IP/LEO Satellite Networks by Handover-Independent IP Mobility Management. IEEE Journal on Selected Areas in Communications, 2004, 22, 300-307.                                   | 14.0 | 58        |
| 85 | Effective Delay-Controlled Load Distribution over Multipath Networks. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 1730-1741.   | 5.6  | 58        |
| 86 | Intrusion detection system (IDS) for combating attacks against cognitive radio networks. IEEE Network, 2013, 27, 51-56.   | 6.9  | 58        |
| 87 | Optimal Satellite Gateway Placement in Space-Ground Integrated Networks. IEEE Network, 2018, 32, 32-37.   | 6.9  | 58        |
| 88 | Relay by Smart Device: Innovative Communications for Efficient Information Sharing Among Vehicles and Pedestrians. IEEE Vehicular Technology Magazine, 2015, 10, 54-62.                     | 3.4  | 57        |
| 89 | On Optimally Reducing Power Loss in Micro-grids With Power Storage Devices. IEEE Journal on Selected Areas in Communications, 2014, 32, 1361-1370.  | 14.0 | 56        |
| 90 | Virtual Cell Based Resource Allocation for Efficient Frequency Utilization in Unmanned Aircraft Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 3495-3504.                    | 6.3  | 55        |

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|-----|---|------|-----------|
| 91  | Machine Learning-Enabled Cooperative Spectrum Sensing for Non-Orthogonal Multiple Access. IEEE Transactions on Wireless Communications, 2020, 19, 5692-5702.                            | 9.2  | 55        |
| 92  | An efficient vehicle-heading based routing protocol for VANET networks. , 2006, , .   |      | 54        |
| 93  | On Load Distribution over Multipath Networks. IEEE Communications Surveys and Tutorials, 2011, , .  | 39.4 | 54        |
| 94  | Cluster-Based Certificate Revocation with Vindication Capability for Mobile Ad Hoc Networks. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 239-249.                  | 5.6  | 54        |
| 95  | Toward Future Unmanned Aerial Vehicle Networks: Architecture, Resource Allocation and Field Experiments. IEEE Wireless Communications, 2019, 26, 94-99.                                 | 9.0  | 54        |
| 96  | Cross-Layer Data Delivery in Satellite-Aerial-Terrestrial Communication. IEEE Wireless Communications, 2018, 25, 138-143.   | 9.0  | 52        |
| 97  | Edge Cloud Server Deployment With Transmission Power Control Through Machine Learning for 6G Internet of Things. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 2099-2108. | 4.6  | 52        |
| 98  | Bandwidth Aggregation-Aware Dynamic QoS Negotiation for Real-Time Video Streaming in Next-Generation Wireless Networks. IEEE Transactions on Multimedia, 2009, 11, 1082-1093.           | 7.2  | 51        |
| 99  | An Energy-Efficient and Delay-Aware Wireless Computing System for Industrial Wireless Sensor Networks. IEEE Access, 2015, 3, 1026-1035.   | 4.2  | 51        |
| 100 | A Novel Embedding Method for Information Diffusion Prediction in Social Network Big Data. IEEE Transactions on Industrial Informatics, 2017, 13, 2097-2105.                             | 11.3 | 51        |
| 101 | Toward Robust and Intelligent Drone Swarm: Challenges and Future Directions. IEEE Network, 2020, 34, 278-283.   | 6.9  | 51        |
| 102 | Recent trends in IP/NGEO satellite communication systems: transport, routing, and mobility management concerns. IEEE Wireless Communications, 2005, 12, 63-69.                          | 9.0  | 50        |
| 103 | A Deep Reinforcement Learning-Based Dynamic Traffic Offloading in Space-Air-Ground Integrated Networks (SAGIN). IEEE Journal on Selected Areas in Communications, 2022, 40, 276-289.    | 14.0 | 49        |
| 104 | A stochastic geometry analysis of D2D overlaying multi-channel downlink cellular networks. , 2015, , .  |      | 48        |
| 105 | Optimal Satellite Gateway Placement in Space-Ground Integrated Network for Latency Minimization With Reliability Guarantee. IEEE Wireless Communications Letters, 2018, 7, 174-177.     | 5.0  | 48        |
| 106 | AI-Enhanced Cooperative Spectrum Sensing for Non-Orthogonal Multiple Access. IEEE Wireless Communications, 2020, 27, 173-179.   | 9.0  | 48        |
| 107 | Blockchain-Based Trust Management for Internet of Vehicles. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1397-1409.  | 4.6  | 48        |
| 108 | Toward Fair Maximization of Energy Efficiency in Multiple UAS-Aided Networks: A Game-Theoretic Methodology. IEEE Transactions on Wireless Communications, 2015, 14, 305-316.            | 9.2  | 46        |

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|-----|---|------|-----------|
| 109 | Attacker Identification and Intrusion Detection for In-Vehicle Networks. IEEE Communications Letters, 2019, 23, 1927-1930.  | 4.1  | 46        |
| 110 | NIS01-2: A Collusion Attack Against OLSR-based Mobile Ad Hoc Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .  | 0.0  | 44        |
| 111 | Reinforcement Learning-Based Radio Resource Control in 5G Vehicular Network. IEEE Wireless Communications Letters, 2020, 9, 611-614.  | 5.0  | 44        |
| 112 | Reliability Assessment for Wireless Mesh Networks Under Probabilistic Region Failure Model. IEEE Transactions on Vehicular Technology, 2011, 60, 2253-2264.   | 6.3  | 43        |
| 113 | Internet of Things (IoT): Present State and Future Prospects. IEICE Transactions on Information and Systems, 2014, E97.D, 2568-2575.  | 0.7  | 43        |
| 114 | Construction of a Flexibility Analysis Model for Flexible High-Throughput Satellite Communication Systems With a Digital Channelizer. IEEE Transactions on Vehicular Technology, 2018, 67, 2097-2107.       | 6.3  | 43        |
| 115 | Threshold Tuning-Based Wearable Sensor Fault Detection for Reliable Medical Monitoring Using Bayesian Network Model. IEEE Systems Journal, 2018, 12, 1886-1896.   | 4.6  | 43        |
| 116 | Blockchain-Based Key Management for Heterogeneous Flying Ad Hoc Network. IEEE Transactions on Industrial Informatics, 2021, 17, 7629-7638.  | 11.3 | 42        |
| 117 | Energy Consumption Minimization for FiWi Enhanced LTE-A HetNets with UE Connection Constraint. , 2016, 54, 56-62.   |      | 41        |
| 118 | A Markovian Analysis for Explicit Probabilistic Stopping-Based Information Propagation in Postdisaster Ad Hoc Mobile Networks. IEEE Transactions on Wireless Communications, 2016, 15, 81-90.               | 9.2  | 41        |
| 119 | Efficient Resource Allocation Utilizing Q-Learning in Multiple UA Communications. IEEE Transactions on Network Science and Engineering, 2019, 6, 293-302.   | 6.4  | 40        |
| 120 | On Intelligent Traffic Control for Large-Scale Heterogeneous Networks: A Value Matrix-Based Deep Learning Approach. IEEE Communications Letters, 2018, 22, 2479-2482.                                       | 4.1  | 39        |
| 121 | Device-to-Device Communication Overlaying Two-Hop Multi-Channel Uplink Cellular Networks. , 2015, , .   |      | 37        |
| 122 | Harvesting and Threat Aware Security Configuration Strategy for IEEE 802.15.4 Based IoT Networks. IEEE Communications Letters, 2019, 23, 2130-2134.   | 4.1  | 37        |
| 123 | Adaptive Power Resource Allocation With Multi-Beam Directivity Control in High-Throughput Satellite Communication Systems. IEEE Wireless Communications Letters, 2019, 8, 1248-1251.                        | 5.0  | 37        |
| 124 | SAT04-3: ELB: An Explicit Load Balancing Routing Protocol for Multi-Hop N GEO Satellite Constellations. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .                                     | 0.0  | 36        |
| 125 | Exact throughput capacity under power control in mobile ad hoc networks. , 2012, , .  |      | 36        |
| 126 | GT-QoSec: A Game-Theoretic Joint Optimization of QoS and Security for Differentiated Services in Next Generation Heterogeneous Networks. IEEE Transactions on Wireless Communications, 2017, 16, 1037-1050. | 9.2  | 36        |



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|-----|---|------|-----------|
| 127 | Prospects and challenges of context-aware multimedia content delivery in cooperative satellite and terrestrial networks. , 2014, 52, 55-61.   |      | 35        |
| 128 | Offloading Decision for Mobile Multi-Access Edge Computing in a Multi-Tiered 6G Network. IEEE Transactions on Emerging Topics in Computing, 2022, 10, 1414-1427.  | 4.6  | 35        |
| 129 | An Explicit and Fair Window Adjustment Method to Enhance TCP Efficiency and Fairness Over Multihops Satellite Networks. IEEE Journal on Selected Areas in Communications, 2004, 22, 371-387.                        | 14.0 | 34        |
| 130 | A cloud radio access network with power over fiber toward 5G networks: QoE-guaranteed design and operation. IEEE Wireless Communications, 2015, 22, 58-64.  | 9.0  | 34        |
| 131 | Distributed Q-Learning Aided Uplink Grant-Free NOMA for Massive Machine-Type Communications. IEEE Journal on Selected Areas in Communications, 2021, 39, 2029-2041.   | 14.0 | 34        |
| 132 | A Tensor Based Deep Learning Technique for Intelligent Packet Routing. , 2017, , .  |      | 33        |
| 133 | Intelligent Reflecting Surface-Aided Vehicular Networks Toward 6G: Vision, Proposal, and Future Directions. IEEE Vehicular Technology Magazine, 2021, 16, 48-56.  | 3.4  | 33        |
| 134 | DAPA: Capacity Optimization in Wireless Networks Through a Combined Design of Density of Access Points and Partially Overlapped Channel Allocation. IEEE Transactions on Vehicular Technology, 2016, 65, 3715-3722. | 6.3  | 32        |
| 135 | Effectively Collecting Data for the Location-Based Authentication in Internet of Things. IEEE Systems Journal, 2017, 11, 1403-1411.   | 4.6  | 32        |
| 136 | Postdisaster User Location Maneuvering Method for Improving the QoE Guaranteed Service Time in Energy Harvesting Small Cell Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 9410-9420.               | 6.3  | 32        |
| 137 | Efficient Power Control for Satellite-Borne Batteries Using Q-Learning in Low-Earth-Orbit Satellite Constellations. IEEE Wireless Communications Letters, 2020, 9, 809-812.   | 5.0  | 32        |
| 138 | Application of Cybertwin for Offloading in Mobile Multiaccess Edge Computing for 6G Networks. IEEE Internet of Things Journal, 2021, 8, 16231-16242.  | 8.7  | 31        |
| 139 | Toward Smart and Secure V2X Communication in 5G and Beyond: A UAV-Enabled Aerial Intelligent Reflecting Surface Solution. IEEE Vehicular Technology Magazine, 2022, 17, 66-73.                                      | 3.4  | 31        |
| 140 | A Novel Radio Resource Optimization Method for Relay-Based Unmanned Aerial Vehicles. IEEE Transactions on Wireless Communications, 2018, 17, 7352-7363.   | 9.2  | 30        |
| 141 | Energy-Efficient Group Paging Mechanism for QoS Constrained Mobile IoT Devices Over LTE-A Pro Networks Under 5G. IEEE Internet of Things Journal, 2019, 6, 9187-9199.   | 8.7  | 30        |
| 142 | Smart FiWi Networks: Challenges and Solutions for QoS and Green Communications. IEEE Intelligent Systems, 2013, 28, 86-91.  | 4.0  | 29        |
| 143 | A Spectrum- and Energy-Efficient Scheme for Improving the Utilization of MDRU-Based Disaster Resilient Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 2027-2037.                                    | 6.3  | 29        |
| 144 | On the Energy-Efficient of Throughput-Based Scheme Using Renewable Energy for Wireless Mesh Networks in Disaster Area. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 420-431.                         | 4.6  | 29        |

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|-----|---|------|-----------|
| 145 | Value Iteration Architecture Based Deep Learning for Intelligent Routing Exploiting Heterogeneous Computing Platforms. IEEE Transactions on Computers, 2019, 68, 939-950.                     | 3.4  | 29        |
| 146 | REFWA: An Efficient and Fair Congestion Control Scheme for LEO Satellite Networks. IEEE/ACM Transactions on Networking, 2006, 14, 1031-1044.  | 3.8  | 28        |
| 147 | Device-to-Device Communication for Mobile Multimedia in Emerging 5G Networks. ACM Transactions on Multimedia Computing, Communications and Applications, 2016, 12, 1-20.                      | 4.3  | 28        |
| 148 | A Network-Aware Internet-Wide Scan for Security Maximization of IPv6-Enabled WLAN IoT Devices. IEEE Internet of Things Journal, 2021, 8, 8411-8422.   | 8.7  | 28        |
| 149 | A Cross-Layer Approach for an Efficient Delivery of TCP/RTP-Based Multimedia Applications in Heterogeneous Wireless Networks. IEEE Transactions on Vehicular Technology, 2008, 57, 3801-3814. | 6.3  | 27        |
| 150 | Throughput maximization for long-distance real-time data transmission over multiple UAVs. , 2016, , .   |      | 27        |
| 151 | Analysis of the Node Isolation Attack Against OLSR-based Mobile Ad Hoc Networks. , 0, , .   |      | 26        |
| 152 | Certificate Revocation to Cope with False Accusations in Mobile Ad Hoc Networks. , 2010, , .  |      | 26        |
| 153 | An Internet of Things Traffic-Based Power Saving Scheme in Cloud-Radio Access Network. IEEE Internet of Things Journal, 2019, 6, 3087-3096.   | 8.7  | 26        |
| 154 | Flexible Resource Allocation With Inter-Beam Interference in Satellite Communication Systems With a Digital Channelizer. IEEE Transactions on Wireless Communications, 2020, 19, 2934-2945.   | 9.2  | 26        |
| 155 | Deep Learning-Based Privacy Preservation and Data Analytics for IoT Enabled Healthcare. IEEE Transactions on Industrial Informatics, 2022, 18, 4798-4807.                                     | 11.3 | 26        |
| 156 | Intelligent Reflecting Surface in 6G Vehicular Communications: A Survey. IEEE Open Journal of Vehicular Technology, 2022, 3, 266-277.   | 4.9  | 26        |
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