

# Mehdi Bennis

## List of Publications by Year in descending order

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Version: 2024-02-01

342  
papers

23,315  
citations

31976

53  
h-index

14759

127  
g-index

347  
all docs

347  
docs citations

347  
times ranked

12375  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | An Energy and Carbon Footprint Analysis of Distributed and Federated Learning. IEEE Transactions on Green Communications and Networking, 2023, 7, 248-264.   | 5.5  | 10        |
| 2  | Learning How to Configure LoRa Networks With No Regret: A Distributed Approach. IEEE Transactions on Industrial Informatics, 2023, 19, 5633-5644.  | 11.3 | 1         |
| 3  | Millimeter Wave Communications With an Intelligent Reflector: Performance Optimization and Distributional Reinforcement Learning. IEEE Transactions on Wireless Communications, 2022, 21, 1836-1850. | 9.2  | 18        |
| 4  | Distributed Conditional Generative Adversarial Networks (GANs) for Data-Driven Millimeter Wave Communications in UAV Networks. IEEE Transactions on Wireless Communications, 2022, 21, 1438-1452.    | 9.2  | 12        |
| 5  | Fast MIMO Beamforming via Deep Reinforcement Learning for High Mobility mmWave Connectivity. IEEE Journal on Selected Areas in Communications, 2022, 40, 127-142.                                    | 14.0 | 19        |
| 6  | Communication-Efficient and Federated Multi-Agent Reinforcement Learning. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 311-320.  | 7.9  | 7         |
| 7  | Vehicular Cooperative Perception Through Action Branching and Federated Reinforcement Learning. IEEE Transactions on Communications, 2022, 70, 891-903.  | 7.8  | 15        |
| 8  | Learning, Computing, and Trustworthiness in Intelligent IoT Environments: Performance-Energy Tradeoffs. IEEE Transactions on Green Communications and Networking, 2022, 6, 629-644.                  | 5.5  | 7         |
| 9  | Communication Efficient Decentralized Learning Over Bipartite Graphs. IEEE Transactions on Wireless Communications, 2022, 21, 4150-4167.   | 9.2  | 6         |
| 10 | Federated Learning-Based Content Popularity Prediction in Fog Radio Access Networks. IEEE Transactions on Wireless Communications, 2022, 21, 3836-3849.  | 9.2  | 9         |
| 11 | Can Terahertz Provide High-Rate Reliable Low-Latency Communications for Wireless VR?. IEEE Internet of Things Journal, 2022, 9, 9712-9729.   | 8.7  | 39        |
| 12 | Seven Defining Features of Terahertz (THz) Wireless Systems: A Fellowship of Communication and Sensing. IEEE Communications Surveys and Tutorials, 2022, 24, 967-993.                                | 39.4 | 139       |
| 13 | Information Freshness-Aware Task Offloading in Air-Ground Integrated Edge Computing Systems. IEEE Journal on Selected Areas in Communications, 2022, 40, 243-258.                                    | 14.0 | 37        |
| 14 | Guest Editorial Special Issue on Distributed Learning Over Wireless Edge Networksâ€™Part II. IEEE Journal on Selected Areas in Communications, 2022, 40, 445-448.                                    | 14.0 | 0         |
| 15 | Extreme ultra-reliable and low-latency communication. Nature Electronics, 2022, 5, 133-141.  | 26.0 | 33        |
| 16 | Attention-Based Communication and Control for Multi-UAV Path Planning. IEEE Wireless Communications Letters, 2022, 11, 1409-1413.  | 5.0  | 8         |
| 17 | LocFedMix-SL: Localize, Federate, and Mix for Improved Scalability, Convergence, and Latency in Split Learning. , 2022, , .  |      | 11        |
| 18 | Variational Autoencoders for Reliability Optimization in Multi-Access Edge Computing Networks. , 2022, , .   |      | 1         |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | THz-Empowered UAVs in 6G: Opportunities, Challenges, and Trade-offs. IEEE Communications Magazine, 2022, 60, 24-30.  | 6.1  | 28        |
| 20 | Cell-Free mmWave Massive MIMO Systems With Low-Capacity Fronthaul Links and Low-Resolution ADC/DACs. IEEE Transactions on Vehicular Technology, 2022, 71, 10512-10526.               | 6.3  | 7         |
| 21 | Federated Learning on the Road Autonomous Controller Design for Connected and Autonomous Vehicles. IEEE Transactions on Wireless Communications, 2022, 21, 10407-10423.              | 9.2  | 24        |
| 22 | Joint Superposition Coding and Training for Federated Learning over Multi-Width Neural Networks. , 2022, , .   |      | 4         |
| 23 | Time-Triggered Federated Learning Over Wireless Networks. IEEE Transactions on Wireless Communications, 2022, 21, 11066-11079.   | 9.2  | 6         |
| 24 | Computation Offloading and Resource Allocation in F-RANs: A Federated Deep Reinforcement Learning Approach. , 2022, , .  |      | 9         |
| 25 | Hiding in the Crowd: Federated Data Augmentation for On-Device Learning. IEEE Intelligent Systems, 2021, 36, 80-87.  | 4.0  | 6         |
| 26 | Communication and Consensus Co-Design for Distributed, Low-Latency, and Reliable Wireless Systems. IEEE Internet of Things Journal, 2021, 8, 129-143.                                | 8.7  | 19        |
| 27 | Network slicing for vehicular communication. Transactions on Emerging Telecommunications Technologies, 2021, 32, .   | 3.9  | 25        |
| 28 | Predictive Deployment of UAV Base Stations in Wireless Networks: Machine Learning Meets Contract Theory. IEEE Transactions on Wireless Communications, 2021, 20, 637-652.            | 9.2  | 54        |
| 29 | Multikernel Clustering via Non-Negative Matrix Factorization Tailored Graph Tensor Over Distributed Networks. IEEE Journal on Selected Areas in Communications, 2021, 39, 1946-1956. | 14.0 | 17        |
| 30 | Q-GADMM: Quantized Group ADMM for Communication Efficient Decentralized Machine Learning. IEEE Transactions on Communications, 2021, 69, 164-181.                                    | 7.8  | 22        |
| 31 | Adaptive Subcarrier, Parameter, and Power Allocation for Partitioned Edge Learning Over Broadband Channels. IEEE Transactions on Wireless Communications, 2021, 20, 8348-8361.       | 9.2  | 4         |
| 32 | UAV-Assisted Communication in Remote Disaster Areas Using Imitation Learning. IEEE Open Journal of the Communications Society, 2021, 2, 738-753.                                     | 6.9  | 11        |
| 33 | Federated Learning and Control at the Wireless Network Edge. GetMobile (New York, N Y ), 2021, 24, 9-13.   | 1.0  | 2         |
| 34 | Ultra-Reliable Indoor Millimeter Wave Communications Using Multiple Artificial Intelligence-Powered Intelligent Surfaces. IEEE Transactions on Communications, 2021, 69, 7444-7457.  | 7.8  | 2         |
| 35 | Opportunities of Federated Learning in Connected, Cooperative, and Automated Industrial Systems. IEEE Communications Magazine, 2021, 59, 16-21.                                      | 6.1  | 68        |
| 36 | Predictive Ultra-Reliable Communication: A Survival Analysis Perspective. IEEE Communications Letters, 2021, 25, 1221-1225.  | 4.1  | 9         |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 37 | Communication-Efficient and Distributed Learning Over Wireless Networks: Principles and Applications. Proceedings of the IEEE, 2021, 109, 796-819.   | 21.3 | 100       |
| 38 | Sum Rate and Reliability Analysis for Power-Domain Nonorthogonal Multiple Access (PD-NOMA). IEEE Internet of Things Journal, 2021, 8, 10160-10169.   | 8.7  | 12        |
| 39 | Cooperative Edge Caching via Federated Deep Reinforcement Learning in Fog-RANs. , 2021, , .  |      | 14        |
| 40 | When Wireless Communications Meet Computer Vision in Beyond 5G. IEEE Communications Standards Magazine, 2021, 5, 76-83.  | 4.9  | 19        |
| 41 | BayGo: Joint Bayesian Learning and Information-Aware Graph Optimization. , 2021, , .   |      | 2         |
| 42 | Intelligent Resource Slicing for eMBB and URLLC Coexistence in 5G and Beyond: A Deep Reinforcement Learning Based Approach. IEEE Transactions on Wireless Communications, 2021, 20, 4585-4600. | 9.2  | 149       |
| 43 | Link Activation Using Variational Graph Autoencoders. IEEE Communications Letters, 2021, 25, 2358-2361.  | 4.1  | 2         |
| 44 | Harnessing Wireless Channels for Scalable and Privacy-Preserving Federated Learning. IEEE Transactions on Communications, 2021, 69, 5194-5208.   | 7.8  | 30        |
| 45 | Joint Client Scheduling and Resource Allocation Under Channel Uncertainty in Federated Learning. IEEE Transactions on Communications, 2021, 69, 5962-5974.                                     | 7.8  | 30        |
| 46 | Predictive Control and Communication Co-Design via Two-Way Gaussian Process Regression and AoI-Aware Scheduling. IEEE Transactions on Communications, 2021, 69, 7077-7093.                     | 7.8  | 19        |
| 47 | Distributed Learning in Wireless Networks: Recent Progress and Future Challenges. IEEE Journal on Selected Areas in Communications, 2021, 39, 3579-3605.                                       | 14.0 | 201       |
| 48 | Age-Optimal Power Allocation in Industrial IoT: A Risk-Sensitive Federated Learning Approach. , 2021, , .  |      | 3         |
| 49 | Attention-based Reinforcement Learning for Real-Time UAV Semantic Communication. , 2021, , .   |      | 16        |
| 50 | Federated Learning with Correlated Data: Taming the Tail for Age-Optimal Industrial IoT. , 2021, , .   |      | 3         |
| 51 | Communication-Efficient and Personalized Federated Lottery Ticket Learning. , 2021, , .  |      | 2         |
| 52 | End-to-End Intent-Based Networking. IEEE Communications Magazine, 2021, 59, 106-112.   | 6.1  | 25        |
| 53 | Energy-Efficient Model Compression and Splitting for Collaborative Inference Over Time-Varying Channels. , 2021, , .   |      | 6         |
| 54 | Split Learning Meets Koopman Theory for Wireless Remote Monitoring and Prediction. , 2021, , .   |      | 3         |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 55 | Guest Editorial Special Issue on Distributed Learning Over Wireless Edge Networksâ€™Part I. IEEE Journal on Selected Areas in Communications, 2021, 39, 3575-3578.  | 14.0 | 1         |
| 56 | Energy-Efficient and Federated Meta-Learning via Projected Stochastic Gradient Ascent. , 2021, , .  |      | 2         |
| 57 | Federated Learning for Collaborative Controller Design of Connected and Autonomous Vehicles. , 2021, , .  |      | 9         |
| 58 | Communication-Efficient Split Learning Based on Analog Communication and Over the Air Aggregation. , 2021, , .  |      | 11        |
| 59 | Decentralized Asynchronous Coded Caching Design and Performance Analysis in Fog Radio Access Networks. IEEE Transactions on Mobile Computing, 2020, 19, 540-551.    | 5.8  | 24        |
| 60 | A Vision of 6G Wireless Systems: Applications, Trends, Technologies, and Open Research Problems. IEEE Network, 2020, 34, 134-142.                                   | 6.9  | 2,182     |
| 61 | Blockchained On-Device Federated Learning. IEEE Communications Letters, 2020, 24, 1279-1283.  | 4.1  | 449       |
| 62 | A Mean Field Game-Based Distributed Edge Caching in Fog Radio Access Networks. IEEE Transactions on Communications, 2020, 68, 1567-1580.                            | 7.8  | 32        |
| 63 | Ultra-Reliable and Low-Latency Vehicular Communication: An Active Learning Approach. IEEE Communications Letters, 2020, 24, 367-370.                                | 4.1  | 30        |
| 64 | Distributed Federated Learning for Ultra-Reliable Low-Latency Vehicular Communications. IEEE Transactions on Communications, 2020, 68, 1146-1159.                   | 7.8  | 240       |
| 65 | Risk-Sensitive Task Fetching and Offloading for Vehicular Edge Computing. IEEE Communications Letters, 2020, 24, 617-621.   | 4.1  | 21        |
| 66 | Optimized Age of Information Tail for Ultra-Reliable Low-Latency Communications in Vehicular Networks. IEEE Transactions on Communications, 2020, 68, 1911-1924.    | 7.8  | 79        |
| 67 | Communication-Efficient Massive UAV Online Path Control: Federated Learning Meets Mean-Field Game Theory. IEEE Transactions on Communications, 2020, 68, 6840-6857. | 7.8  | 52        |
| 68 | A Joint Decentralized Federated Learning and Communications Framework for Industrial Networks. , 2020, , .  |      | 9         |
| 69 | Data-Driven Predictive Scheduling in Ultra-Reliable Low-Latency Industrial IoT: A Generative Adversarial Network Approach. , 2020, , .                              |      | 7         |
| 70 | Mix2FLD: Downlink Federated Learning After Uplink Federated Distillation With Two-Way Mixup. IEEE Communications Letters, 2020, 24, 2211-2215.                      | 4.1  | 27        |
| 71 | Deep Learning Assisted CSI Estimation for Joint URLLC and eMBB Resource Allocation. , 2020, , .   |      | 14        |
| 72 | Content Popularity Prediction in Fog Radio Access Networks: A Federated Learning Based Approach. , 2020, , .  |      | 17        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 73 | Proxy Experience Replay: Federated Distillation for Distributed Reinforcement Learning. IEEE Intelligent Systems, 2020, 35, 94-101.                                    | 4.0 | 17        |
| 74 | Federated Learning in the Sky: Joint Power Allocation and Scheduling with UAV Swarms. , 2020, , .  |     | 100       |
| 75 | Joint Parameter-and-Bandwidth Allocation for Improving the Efficiency of Partitioned Edge Learning. IEEE Transactions on Wireless Communications, 2020, 19, 8272-8286. | 9.2 | 32        |
| 76 | Risk-Aware Optimization of Age of Information in the Internet of Things. , 2020, , .   |     | 10        |
| 77 | Risk-Based Optimization of Virtual Reality over Terahertz Reconfigurable Intelligent Surfaces. , 2020, , .   |     | 42        |
| 78 | Predictive Control and Communication Co-Design: A Gaussian Process Regression Approach. , 2020, , .  |     | 7         |
| 79 | Joint Redundant MDS Codes and Cluster Cooperation Based Coded Caching in Fog Radio Access Networks. , 2020, , .  |     | 2         |
| 80 | A Speculative Study on 6G. IEEE Wireless Communications, 2020, 27, 118-125.  | 9.0 | 472       |
| 81 | 1 A Deep Reinforcement Learning Framework to Combat Dynamic Blockage in mmWave V2X Networks. , 2020, , .   |     | 6         |
| 82 | Performance Analysis of Blockchain Systems With Wireless Mobile Miners. IEEE Networking Letters, 2020, 2, 111-115.   | 1.9 | 15        |
| 83 | Q-GADMM: Quantized Group ADMM for Communication Efficient Decentralized Machine Learning. , 2020, , .  |     | 11        |
| 84 | Cellular-Connected Wireless Virtual Reality: Requirements, Challenges, and Solutions. IEEE Communications Magazine, 2020, 58, 105-111.                                 | 6.1 | 92        |
| 85 | Link-Level Throughput Maximization Using Deep Reinforcement Learning. IEEE Networking Letters, 2020, 2, 101-105.   | 1.9 | 1         |
| 86 | Remote UAV Online Path Planning via Neural Network-Based Opportunistic Control. IEEE Wireless Communications Letters, 2020, 9, 861-865.                                | 5.0 | 32        |
| 87 | Communication-Efficient Multimodal Split Learning for mmWave Received Power Prediction. IEEE Communications Letters, 2020, 24, 1284-1288.                              | 4.1 | 35        |
| 88 | Intelligent Edge: Leveraging Deep Imitation Learning for Mobile Edge Computation Offloading. IEEE Wireless Communications, 2020, 27, 92-99.                            | 9.0 | 64        |
| 89 | Enhancing Video Streaming in Vehicular Networks via Resource Slicing. IEEE Transactions on Vehicular Technology, 2020, 69, 3513-3522.                                  | 6.3 | 30        |
| 90 | Maximum Allowable Transfer Interval Aware Scheduling for Wireless Remote Monitoring. , 2020, , .   |     | 1         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 91  | Federated Learning under Channel Uncertainty: Joint Client Scheduling and Resource Allocation. , 2020, , .  |     | 35        |
| 92  | L-FGADMM: Layer-Wise Federated Group ADMM for Communication Efficient Decentralized Deep Learning. , 2020, , .  |     | 6         |
| 93  | Resource Awareness In Unmanned Aerial Vehicle-Assisted Mobile-Edge Computing Systems. , 2020, , .   |     | 24        |
| 94  | Perineural dexamethasone attenuates liposomal bupivacaine-induced delayed neural inflammation in mice in vivo. British Journal of Anaesthesia, 2020, 125, 175-183.                                | 3.4 | 7         |
| 95  | A Crowdsourcing Framework for On-Device Federated Learning. IEEE Transactions on Wireless Communications, 2020, 19, 3241-3256.  | 9.2 | 175       |
| 96  | Age of Information Aware Radio Resource Management in Vehicular Networks: A Proactive Deep Reinforcement Learning Perspective. IEEE Transactions on Wireless Communications, 2020, 19, 2268-2281. | 9.2 | 118       |
| 97  | Mean-Field Game Theoretic Edge Caching in Ultra-Dense Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 935-947.   | 6.3 | 15        |
| 98  | Taming the Latency in Multi-User VR 360°: A QoE-Aware Deep Learning-Aided Multicast Framework. IEEE Transactions on Communications, 2020, 68, 2491-2508.  | 7.8 | 68        |
| 99  | Optimized Caching and Spectrum Partitioning for D2D Enabled Cellular Systems With Clustered Devices. IEEE Transactions on Communications, 2020, 68, 4358-4374.                                    | 7.8 | 12        |
| 100 | Phase Configuration Learning in Wireless Networks with Multiple Reconfigurable Intelligent Surfaces. , 2020, , .  |     | 27        |
| 101 | Distributional Reinforcement Learning for mmWave Communications with Intelligent Reflectors on a UAV. , 2020, , .   |     | 12        |
| 102 | Communication Efficient Framework for Decentralized Machine Learning. , 2020, , .   |     | 9         |
| 103 | Full-Duplex Non-Orthogonal Multiple Access Networks. , 2019, , 285-303.   |     | 1         |
| 104 | Optimized Deployment of Millimeter Wave Networks for In-Venue Regions With Stochastic Users' Orientation. IEEE Transactions on Wireless Communications, 2019, 18, 5037-5049.                      | 9.2 | 7         |
| 105 | Power Control via Stackelberg Game for Small-Cell Networks. Wireless Communications and Mobile Computing, 2019, 2019, 1-10.   | 1.2 | 4         |
| 106 | Decentralized Deep Reinforcement Learning for Delay-Power Tradeoff in Vehicular Communications. , 2019, , .   |     | 3         |
| 107 | Distributed Edge Caching via Reinforcement Learning in Fog Radio Access Networks. , 2019, , .   |     | 24        |
| 108 | Resource virtualization with edge caching and latency constraint for local 5G operator. , 2019, , .   |     | 2         |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 109 | Wireless Network Intelligence at the Edge. Proceedings of the IEEE, 2019, 107, 2204-2239.  | 21.3 | 360       |
| 110 | Joint Communication and Control System Design for Connected and Autonomous Vehicle Navigation. , 2019, , .   |      | 3         |
| 111 | Joint Communication and Control for Wireless Autonomous Vehicular Platoon Systems. IEEE Transactions on Communications, 2019, 67, 7907-7922.   | 7.8  | 98        |
| 112 | Multi-Tenant Cross-Slice Resource Orchestration: A Deep Reinforcement Learning Approach. IEEE Journal on Selected Areas in Communications, 2019, 37, 2377-2392.                                    | 14.0 | 96        |
| 113 | A Proximal Jacobian ADMM Approach for Fast Massive MIMO Signal Detection in Low-Latency Communications. , 2019, , .  |      | 6         |
| 114 | Edge Caching Resource Allocation in Fog Radio Access Networks: An Incentive Mechanism Based Approach. , 2019, , .  |      | 3         |
| 115 | Reinforcement Learning-Based Vehicle-Cell Association Algorithm for Highly Mobile Millimeter Wave Communication. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 1073-1085. | 7.9  | 31        |
| 116 | Wireless Edge Computing With Latency and Reliability Guarantees. Proceedings of the IEEE, 2019, 107, 1717-1737.  | 21.3 | 100       |
| 117 | Joint Path Selection and Rate Allocation Framework for 5G Self-Backhauled mm-wave Networks. IEEE Transactions on Wireless Communications, 2019, 18, 2431-2445.                                     | 9.2  | 41        |
| 118 | A Tutorial on UAVs for Wireless Networks: Applications, Challenges, and Open Problems. IEEE Communications Surveys and Tutorials, 2019, 21, 2334-2360.   | 39.4 | 1,602     |
| 119 | eMBB-URLLC Resource Slicing: A Risk-Sensitive Approach. IEEE Communications Letters, 2019, 23, 740-743.  | 4.1  | 148       |
| 120 | An Online Optimization Framework for Distributed Fog Network Formation With Minimal Latency. IEEE Transactions on Wireless Communications, 2019, 18, 2244-2258.                                    | 9.2  | 73        |
| 121 | Joint Cache Allocation With Incentive and User Association in Cloud Radio Access Networks Using Hierarchical Game. IEEE Access, 2019, 7, 20773-20788.  | 4.2  | 9         |
| 122 | Learning to Entangle Radio Resources in Vehicular Communications: An Oblivious Game-Theoretic Perspective. IEEE Transactions on Vehicular Technology, 2019, 68, 4262-4274.                         | 6.3  | 10        |
| 123 | Integrated Millimeter Wave and Sub-6 GHz Wireless Networks: A Roadmap for Joint Mobile Broadband and Ultra-Reliable Low-Latency Communications. IEEE Wireless Communications, 2019, 26, 109-115.   | 9.0  | 98        |
| 124 | Dynamic Task Offloading and Resource Allocation for Ultra-Reliable Low-Latency Edge Computing. IEEE Transactions on Communications, 2019, 67, 4132-4150.   | 7.8  | 266       |
| 125 | Reflections in the Sky: Millimeter Wave Communication with UAV-Carried Intelligent Reflectors. , 2019, , .   |      | 100       |
| 126 | Massive Autonomous UAV Path Planning: A Neural Network Based Mean-Field Game Theoretic Approach. , 2019, , .   |      | 38        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 127 | Reinforcement Learning Based Scheduling Algorithm for Optimizing Age of Information in Ultra Reliable Low Latency Networks. , 2019, , .                              |     | 31        |
| 128 | Dynamic Radio Frame Configuration by Exploiting Uplink Control Channel for URLLC. , 2019, , .  |     | 0         |
| 129 | Cooperative Edge Caching in Fog Radio Access Networks: A Pigeon Inspired Optimization Approach. , 2019, , .  |     | 8         |
| 130 | Dependence Control for Reliability Optimization in Vehicular Networks. , 2019, , .   |     | 0         |
| 131 | Secrecy Preserving in Stochastic Resource Orchestration for Multi-Tenancy Network Slicing. , 2019, , .   |     | 1         |
| 132 | Ultra-Reliable Millimeter-Wave Communications Using an Artificial Intelligence-Powered Reflector. , 2019, , .  |     | 4         |
| 133 | Incentivize to Build: A Crowdsourcing Framework for Federated Learning. , 2019, , .  |     | 24        |
| 134 | Taming the Tail of Maximal Information Age in Wireless Industrial Networks. IEEE Communications Letters, 2019, 23, 2442-2446.  | 4.1 | 28        |
| 135 | Cooperative caching in fog radio access networks: a graph-based approach. IET Communications, 2019, 13, 3519-3528.   | 2.2 | 16        |
| 136 | User Preference Learning-Based Edge Caching for Fog Radio Access Network. IEEE Transactions on Communications, 2019, 67, 1268-1283.                                  | 7.8 | 139       |
| 137 | Beyond 5G With UAVs: Foundations of a 3D Wireless Cellular Network. IEEE Transactions on Wireless Communications, 2019, 18, 357-372.                                 | 9.2 | 307       |
| 138 | Optimized Computation Offloading Performance in Virtual Edge Computing Systems Via Deep Reinforcement Learning. IEEE Internet of Things Journal, 2019, 6, 4005-4018. | 8.7 | 467       |
| 139 | Communications and Control for Wireless Drone-Based Antenna Array. IEEE Transactions on Communications, 2019, 67, 820-834.   | 7.8 | 76        |
| 140 | One Pixel Image and RF Signal Based Split Learning for mmWave Received Power Prediction. , 2019, , .   |     | 8         |
| 141 | Wireless Resource Scheduling in Virtualized Radio Access Networks Using Stochastic Learning. IEEE Transactions on Mobile Computing, 2018, 17, 961-974.               | 5.8 | 41        |
| 142 | Caching Meets Millimeter Wave Communications for Enhanced Mobility Management in 5G Networks. IEEE Transactions on Wireless Communications, 2018, 17, 779-793.       | 9.2 | 67        |
| 143 | Ultra-Reliable Communication in 5G mmWave Networks: A Risk-Sensitive Approach. IEEE Communications Letters, 2018, 22, 708-711.                                       | 4.1 | 27        |
| 144 | Fronthaul-Aware Software-Defined Wireless Networks: Resource Allocation and User Scheduling. IEEE Transactions on Wireless Communications, 2018, 17, 533-547.        | 9.2 | 13        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 145 | Toward Low-Latency and Ultra-Reliable Virtual Reality. IEEE Network, 2018, 32, 78-84.  | 6.9 | 389       |
| 146 | HSDRAN: Hierarchical Software-Defined Radio Access Network for Distributed Optimization. IEEE Transactions on Vehicular Technology, 2018, 67, 8623-8636. | 6.3 | 9         |
| 147 | Learning-Based Caching in Cloud-Aided Wireless Networks. IEEE Communications Letters, 2018, 22, 137-140.   | 4.1 | 22        |
| 148 | Ultra-Reliable Low-Latency Vehicular Networks: Taming the Age of Information Tail. , 2018, , .   |     | 50        |
| 149 | Consensus-Before-Talk: Distributed Dynamic Spectrum Access via Distributed Spectrum Ledger Technology. , 2018, , .                                       |     | 16        |
| 150 | Performance Analysis and Caching Design in Fog Radio Access Networks. , 2018, , .  |     | 15        |
| 151 | Green Fog Offloading Strategy for Heterogeneous Wireless Edge Networks. , 2018, , .  |     | 6         |
| 152 | Performance Optimization in Mobile-Edge Computing via Deep Reinforcement Learning. , 2018, , .   |     | 95        |
| 153 | URLLC-eMBB Slicing to Support VR Multimodal Perceptions over Wireless Cellular Systems. , 2018, , .  |     | 40        |
| 154 | A Quitting Game Framework for Self-Organized D2D Mobile Relaying in 5G. , 2018, , .  |     | 0         |
| 155 | Online Optimization for UAV-Assisted Distributed Fog Computing in Smart Factories of Industry 4.0. , 2018, , .   |     | 19        |
| 156 | Federated Learning for Ultra-Reliable Low-Latency V2V Communications. , 2018, , .  |     | 144       |
| 157 | 3D Cellular Network Architecture with Drones for beyond 5G. , 2018, , .  |     | 9         |
| 158 | Machine Learning for Predictive On-Demand Deployment of Uavs for Wireless Communications. , 2018, , .  |     | 69        |
| 159 | Wireless Communications and Control for Swarms of Cellular-Connected UAVs. , 2018, , .   |     | 27        |
| 160 | On Minimizing Energy Consumption for D2D Clustered Caching Networks. , 2018, , .   |     | 14        |
| 161 | Distributed Edge Caching in Ultra-Dense Fog Radio Access Networks: A Mean Field Approach. , 2018, , .  |     | 10        |
| 162 | Decentralized Asynchronous Coded Caching in Fog-RAN. , 2018, , .   |     | 3         |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 163 | Ultrareliable and Low-Latency Wireless Communication: Tail, Risk, and Scale. Proceedings of the IEEE, 2018, 106, 1834-1853.                                | 21.3 | 590       |
| 164 | Integrated Communications and Control Co-Design for Wireless Vehicular Platoon Systems. , 2018, , .  |      | 16        |
| 165 | Drone-Based Antenna Array for Service Time Minimization in Wireless Networks. , 2018, , .  |      | 15        |
| 166 | Dynamic Resource Allocation for Optimized Latency and Reliability in Vehicular Networks. IEEE Access, 2018, 6, 63843-63858.                                | 4.2  | 43        |
| 167 | Massive UAV-to-Ground Communication and its Stable Movement Control: A Mean-Field Approach. , 2018, , .  |      | 32        |
| 168 | Proactive edge computing in fog networks with latency and reliability guarantees. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, . | 2.4  | 27        |
| 169 | Ultra-Reliable and Low-Latency Vehicular Transmission: An Extreme Value Theory Approach. IEEE Communications Letters, 2018, 22, 1292-1295.                 | 4.1  | 53        |
| 170 | Heterogeneous Ultra Dense Networks: Part 2. , 2018, 56, 12-13.   |      | 5         |
| 171 | Collaborative Artificial Intelligence (AI) for User-Cell Association in Ultra-Dense Cellular Systems. , 2018, , .  |      | 19        |
| 172 | Inter-Cluster Cooperation for Wireless D2D Caching Networks. IEEE Transactions on Wireless Communications, 2018, 17, 6108-6121.                            | 9.2  | 47        |
| 173 | Path selection and rate allocation in self-backhauled mmWave networks. , 2018, , .   |      | 26        |
| 174 | Edge computing meets millimeter-wave enabled VR: Paving the way to cutting the cord. , 2018, , .   |      | 59        |
| 175 | Energy-Efficient Noncooperative Power Control in Small-Cell Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 7540-7547.                      | 6.3  | 14        |
| 176 | On the interplay between scheduling interval and beamwidth selection for low-latency and reliable V2V mmWave communications. , 2017, , .                   |      | 8         |
| 177 | Adapting Downlink Power in Fronthaul-Constrained Hierarchical Software-Defined RANs. , 2017, , .   |      | 7         |
| 178 | Enhanced Co-Primary Spectrum Sharing Method for Multi-Operator Networks. IEEE Transactions on Mobile Computing, 2017, 16, 3347-3360.                       | 5.8  | 10        |
| 179 | Ultra-Reliable and Low Latency Communication in mmWave-Enabled Massive MIMO Networks. IEEE Communications Letters, 2017, 21, 2041-2044.                    | 4.1  | 92        |
| 180 | Optimal Transport Theory for Cell Association in UAV-Enabled Cellular Networks. IEEE Communications Letters, 2017, 21, 2053-2056.                          | 4.1  | 94        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 181 | Guest Editorial Game Theory for Networks, Part II. IEEE Journal on Selected Areas in Communications, 2017, 35, 529-533.  | 14.0 | 1         |
| 182 | Inter-Operator Resource Management for Millimeter Wave Multi-Hop Backhaul Networks. IEEE Transactions on Wireless Communications, 2017, 16, 5258-5272.                                 | 9.2  | 47        |
| 183 | Joint Millimeter Wave and Microwave Resources Allocation in Cellular Networks With Dual-Mode Base Stations. IEEE Transactions on Wireless Communications, 2017, 16, 4802-4816.         | 9.2  | 86        |
| 184 | Toward Interconnected Virtual Reality: Opportunities, Challenges, and Enablers. , 2017, 55, 110-117.   |      | 399       |
| 185 | Guest Editorial Game Theory for Networks, Part I. IEEE Journal on Selected Areas in Communications, 2017, 35, 245-248.   | 14.0 | 0         |
| 186 | A New Step Toward Evidence of In Vivo Perineural Dexamethasone Safety. Regional Anesthesia and Pain Medicine, 2017, 43, 1.   | 2.3  | 13        |
| 187 | Multi-Operator Spectrum Sharing for Small Cell Networks: A Matching Game Perspective. IEEE Transactions on Wireless Communications, 2017, 16, 3761-3774.                               | 9.2  | 40        |
| 188 | Online Ski Rental for ON/OFF Scheduling of Energy Harvesting Base Stations. IEEE Transactions on Wireless Communications, 2017, 16, 2976-2990.   | 9.2  | 28        |
| 189 | Dynamic Clustering and User Association in Wireless Small-Cell Networks With Social Considerations. IEEE Transactions on Vehicular Technology, 2017, 66, 6553-6568.                    | 6.3  | 26        |
| 190 | Wireless Communication Using Unmanned Aerial Vehicles (UAVs): Optimal Transport Theory for Hover Time Optimization. IEEE Transactions on Wireless Communications, 2017, 16, 8052-8066. | 9.2  | 261       |
| 191 | Delay-sensitive resource allocation for relay-aided M2M communication over LTE-advanced networks. , 2017, , .  |      | 9         |
| 192 | Mobile Unmanned Aerial Vehicles (UAVs) for Energy-Efficient Internet of Things Communications. IEEE Transactions on Wireless Communications, 2017, 16, 7574-7589.                      | 9.2  | 765       |
| 193 | Vehicle clustering for improving enhanced LTE-V2X network performance. , 2017, , .   |      | 35        |
| 194 | Performance evaluation of adaptive beamforming in 5G-V2X networks. , 2017, , .   |      | 10        |
| 195 | Proactive edge computing in latency-constrained fog networks. , 2017, , .  |      | 95        |
| 196 | Towards low-latency and ultra-reliable vehicle-to-vehicle communication. , 2017, , .   |      | 50        |
| 197 | An online secretary framework for fog network formation with minimal latency. , 2017, , .  |      | 50        |
| 198 | Learning-Based Small Cell Traffic Balancing Over Licensed and Unlicensed Bands. IEEE Wireless Communications Letters, 2017, 6, 694-697.  | 5.0  | 5         |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 199 | Resource optimization and power allocation in in-band full duplex-enabled non-orthogonal multiple access networks. IEEE Journal on Selected Areas in Communications, 2017, 35, 2860-2873. | 14.0 | 57        |
| 200 | Millimeter-Wave V2V Communications: Distributed Association and Beam Alignment. IEEE Journal on Selected Areas in Communications, 2017, 35, 2148-2162.                                    | 14.0 | 130       |
| 201 | Joint Load Balancing and Interference Mitigation in 5G Heterogeneous Networks. IEEE Transactions on Wireless Communications, 2017, 16, 6032-6046.   | 9.2  | 62        |
| 202 | An Oblivious Game-Theoretic Approach for Wireless Scheduling in V2V Communications. , 2017, , .   |      | 1         |
| 203 | Mobility Management for Heterogeneous Networks: Leveraging Millimeter Wave for Seamless Handover. , 2017, , .   |      | 10        |
| 204 | A Novel Caching Policy with Content Popularity Prediction and User Preference Learning in Fog-RAN. , 2017, , .  |      | 24        |
| 205 | Heterogeneous Ultra-Dense Networks: Part 1. , 2017, 55, 68-69.  |      | 5         |
| 206 | Ultra-dense edge caching under spatio-temporal demand and network dynamics. , 2017, , .   |      | 22        |
| 207 | Performance Analysis of Integrated Sub-6 GHz-Millimeter Wave Wireless Local Area Networks. , 2017, , .  |      | 11        |
| 208 | Network Formation Game for Multi-Hop Wearable Communications over Millimeter Wave Frequencies. , 2017, , .  |      | 3         |
| 209 | Delay Analysis for Wireless D2D Caching with Inter-Cluster Cooperation. , 2017, , .   |      | 11        |
| 210 | Contract-Based Cache Partitioning and Pricing Mechanism in Wireless Network Slicing. , 2017, , .  |      | 8         |
| 211 | Performance Optimization for UAV-Enabled Wireless Communications under Flight Time Constraints. , 2017, , .   |      | 22        |
| 212 | Latency and Reliability-Aware Task Offloading and Resource Allocation for Mobile Edge Computing. , 2017, , .  |      | 142       |
| 213 | System level analysis of multi-operator small cell network at 10 GHz. , 2017, , .   |      | 0         |
| 214 | Beyond WYSIWYG: Sharing contextual sensing data through mmWave V2V communications. , 2017, , .  |      | 13        |
| 215 | Online optimization for low-latency computational caching in Fog networks. , 2017, , .  |      | 15        |
| 216 | CBRS Spectrum Sharing between LTE-U and WiFi: A Multiarmed Bandit Approach. Mobile Information Systems, 2016, 2016, 1-12.   | 0.6  | 16        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 217 | User-Centric Mobility Management in Ultra-Dense Cellular Networks under Spatio-Temporal Dynamics. , 2016, , .  |     | 40        |
| 218 | Fronthaul-Aware Software-Defined Joint Resource Allocation and User Scheduling for 5G Networks. , 2016, , .  |     | 9         |
| 219 | On the delay of geographical caching methods in two-tiered heterogeneous networks. , 2016, , .   |     | 17        |
| 220 | Online Channel Allocation for Full-Duplex Device-to-Device Communications. , 2016, , .   |     | 5         |
| 221 | Dynamic Proximity-Aware Resource Allocation in Vehicle-to-Vehicle (V2V) Communications. , 2016, , .  |     | 59        |
| 222 | Spatio-Temporal Network Dynamics Framework for Energy-Efficient Ultra-Dense Cellular Networks. , 2016, , .   |     | 13        |
| 223 | Regret Based Learning for UAV Assisted LTE-U/WiFi Public Safety Networks. , 2016, , .  |     | 54        |
| 224 | Mobile Internet of Things: Can UAVs Provide an Energy-Efficient Mobile Architecture?. , 2016, , .  |     | 184       |
| 225 | Downlink Cell Association and Load Balancing for Joint Millimeter Wave-Microwave Cellular Networks. , 2016, , .                                      |     | 17        |
| 226 | Quantum Game Theory for Beam Alignment in Millimeter Wave Device-to-Device Communications. , 2016, , .   |     | 6         |
| 227 | Caching in Wireless Small Cell Networks: A Storage-Bandwidth Tradeoff. IEEE Communications Letters, 2016, 20, 1175-1178.                             | 4.1 | 72        |
| 228 | UAV-Assisted Heterogeneous Networks for Capacity Enhancement. IEEE Communications Letters, 2016, 20, 1207-1210.                                      | 4.1 | 251       |
| 229 | Energy-Efficient Power Allocation in OFDMA D2D Communication by Multiobjective Optimization. IEEE Wireless Communications Letters, 2016, 5, 668-671. | 5.0 | 30        |
| 230 | Enhancing software-defined RAN with collaborative caching and scalable video coding. , 2016, , .   |     | 33        |
| 231 | Joint admission control and content caching policy for energy harvesting access points. , 2016, , .  |     | 11        |
| 232 | Multi-operator spectrum sharing using matching game in small cells network. , 2016, , .  |     | 5         |
| 233 | Sum Secrecy Rate Maximization for Relay-Aided Multiple-Source Multiple-Destination Networks. IEEE Transactions on Vehicular Technology, 2016, , 1-1. | 6.3 | 10        |
| 234 | Big data caching for networking: moving from cloud to edge. , 2016, 54, 36-42.   |     | 267       |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 235 | Online ski rental for scheduling self-powered, energy harvesting small base stations. , 2016, , .   |      | 15        |
| 236 | Multi-armed bandit for LTE-U and WiFi coexistence in unlicensed bands. , 2016, , .  |      | 25        |
| 237 | Edge caching for coverage and capacity-aided heterogeneous networks. , 2016, , .  |      | 4         |
| 238 | Context-aware scheduling of joint millimeter wave and microwave resources for dual-mode base stations. , 2016, , .  |      | 20        |
| 239 | Optimal transport theory for power-efficient deployment of unmanned aerial vehicles. , 2016, , .  |      | 194       |
| 240 | Efficient Deployment of Multiple Unmanned Aerial Vehicles for Optimal Wireless Coverage. IEEE Communications Letters, 2016, 20, 1647-1650.                                      | 4.1  | 798       |
| 241 | Wireless communications, networking, and positioning with unmanned aerial vehicles [Guest Editorial]. , 2016, 54, 24-25.  |      | 11        |
| 242 | Joint Optimization for Optimal Power Allocation in OFDMA Femtocell Networks. IEEE Communications Letters, 2016, 20, 133-136.  | 4.1  | 31        |
| 243 | Ultra Dense Small Cell Networks: Turning Density Into Energy Efficiency. IEEE Journal on Selected Areas in Communications, 2016, 34, 1267-1280.                                 | 14.0 | 139       |
| 244 | Unmanned Aerial Vehicle With Underlaid Device-to-Device Communications: Performance and Tradeoffs. IEEE Transactions on Wireless Communications, 2016, 15, 3949-3963.           | 9.2  | 958       |
| 245 | Dynamic Clustering and on/off Strategies for Wireless Small Cell Networks. IEEE Transactions on Wireless Communications, 2016, 15, 2164-2178.                                   | 9.2  | 54        |
| 246 | Leveraging Big Data Analytics for Cache-Enabled Wireless Networks. , 2015, , .  |      | 25        |
| 247 | Match to cache: Joint user association and backhaul allocation in cache-aware small cell networks. , 2015, , .  |      | 37        |
| 248 | Modeling and analysis of content caching in wireless small cell networks. , 2015, , .   |      | 39        |
| 249 | Energy-Efficient Resource Management in Ultra Dense Small Cell Networks: A Mean-Field Approach. , 2015, , .   |      | 16        |
| 250 | Femoral Nerve Block for Anterior Cruciate Ligament Reconstructionâ€”the Question Still Remains: Letter to the Editor. American Journal of Sports Medicine, 2015, 43, NP32-NP32. | 4.2  | 1         |
| 251 | Adaptive CSI and feedback estimation in LTE and beyond: a Gaussian process regression approach. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .        | 2.4  | 35        |
| 252 | Power Consumption Modeling for CoMP Overlaid Neighborhood Femtocell Networks. , 2015, , .   |      | 1         |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 253 | Guest Editorial: Recent Advances in Heterogeneous Cellular Networks, Part I. IEEE Journal on Selected Areas in Communications, 2015, 33, 1021-1024.            | 14.0 | 2         |
| 254 | Full duplex communications [Guest Editorial]. , 2015, 53, 90-90.   |      | 3         |
| 255 | Gibbs Sampling based Spectrum Sharing for Multi-Operator Small Cell Networks. , 2015, , .  |      | 6         |
| 256 | Drone Small Cells in the Clouds: Design, Deployment and Performance Analysis. , 2015, , .  |      | 440       |
| 257 | A distributed ADMM approach for mobile data offloading in software defined network. , 2015, , .  |      | 4         |
| 258 | Foresighted resource scheduling in software-defined radio access networks. , 2015, , .   |      | 5         |
| 259 | Gaussian Process Regression for CSI and feedback estimation in LTE. , 2015, , .  |      | 3         |
| 260 | Big data meets telcos: A proactive caching perspective. Journal of Communications and Networks, 2015, 17, 549-557.   | 2.6  | 137       |
| 261 | Matching theory for backhaul management in small cell networks with mmWave capabilities. , 2015, , .   |      | 29        |
| 262 | Special issue on big data networking-challenges and applications. Journal of Communications and Networks, 2015, 17, 545-548.                                   | 2.6  | 5         |
| 263 | Co-Primary Multi-Operator Resource Sharing for Small Cell Networks. IEEE Transactions on Wireless Communications, 2015, 14, 3120-3130.                         | 9.2  | 28        |
| 264 | Learning Based Frequency- and Time-Domain Inter-Cell Interference Coordination in HetNets. IEEE Transactions on Vehicular Technology, 2015, 64, 4589-4602.     | 6.3  | 88        |
| 265 | Mobility management in HetNets: a learning-based perspective. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .                         | 2.4  | 31        |
| 266 | Cache-enabled small cell networks: modeling and tradeoffs. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, 41.                          | 2.4  | 145       |
| 267 | Matching theory for future wireless networks: fundamentals and applications. , 2015, 53, 52-59.  |      | 455       |
| 268 | Context-Aware Small Cell Networks: How Social Metrics Improve Wireless Resource Allocation. IEEE Transactions on Wireless Communications, 2015, 14, 5927-5940. | 9.2  | 134       |
| 269 | Context-aware mobility management in HetNets: A reinforcement learning approach. , 2015, , .   |      | 24        |
| 270 | A transfer learning approach for cache-enabled wireless networks. , 2015, , .  |      | 55        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 271 | Guest Editorial Recent Advances in Heterogeneous Cellular Networks, Part II. IEEE Journal on Selected Areas in Communications, 2015, 33, 2013-2016.                 | 14.0 | 0         |
| 272 | Cache-enabled small cell networks: Modeling and tradeoffs. , 2014, , .  |      | 88        |
| 273 | Dynamic clustering and sleep mode strategies for small cell networks. , 2014, , .   |      | 13        |
| 274 | Exploring social networks for optimized user association in wireless small cell networks with device-to-device communications. , 2014, , .                          |      | 3         |
| 275 | Content-aware user clustering and caching in wireless small cell networks. , 2014, , .  |      | 71        |
| 276 | Dynamic uplink-downlink optimization in TDD-based small cell networks. , 2014, , .  |      | 40        |
| 277 | Opportunistic sleep mode strategies in wireless small cell networks. , 2014, , .  |      | 52        |
| 278 | Modeling and analysis of handover failure probability in small cell networks. , 2014, , .   |      | 14        |
| 279 | Multi-leader multi-follower stackelberg game among Wi-Fi, small cell and macrocell networks. , 2014, , .  |      | 13        |
| 280 | In-Network Caching and Content Placement in Cooperative Small Cell Networks. , 2014, , .  |      | 36        |
| 281 | Improving Macrocell-Small Cell Coexistence Through Adaptive Interference Draining. IEEE Transactions on Wireless Communications, 2014, 13, 942-955.                 | 9.2  | 9         |
| 282 | Social and spatial proactive caching for mobile data offloading. , 2014, , .  |      | 42        |
| 283 | Matching theory for priority-based cell association in the downlink of wireless small cell networks. , 2014, , .  |      | 49        |
| 284 | Cache-aware user association in backhaul-constrained small cell networks. , 2014, , .   |      | 58        |
| 285 | Living on the edge: The role of proactive caching in 5G wireless networks. , 2014, 52, 82-89.   |      | 960       |
| 286 | Power Consumption Modeling for CoMP Overlaid Neighborhood Femtocell Networks. , 2014, , .   |      | 1         |
| 287 | Energy-Efficient Resource Management in Ultra Dense Small Cell Networks: A Mean-Field Approach. , 2014, , .   |      | 0         |
| 288 | Coordinated TDD-Underlay for Self-organizing Femtocells in Two-Tier Coexistence Scenarios. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, . | 2.4  | 0         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 289 | When cellular meets WiFi in wireless small cell networks. , 2013, 51, 44-50.  |     | 211       |
| 290 | Backhaul-Aware Interference Management in the Uplink of Wireless Small Cell Networks. IEEE Transactions on Wireless Communications, 2013, 12, 5813-5825.                  | 9.2 | 49        |
| 291 | Dynamic Coalition Formation for Network MIMO in Small Cell Networks. IEEE Transactions on Wireless Communications, 2013, 12, 5360-5372.                                   | 9.2 | 38        |
| 292 | Rethinking offload: How to intelligently combine WiFi and small cells?. , 2013, , .   |     | 10        |
| 293 | Self-Organization in Small Cell Networks: A Reinforcement Learning Approach. IEEE Transactions on Wireless Communications, 2013, 12, 3202-3212.                           | 9.2 | 162       |
| 294 | Interference Alignment for Cooperative Femtocell Networks: A Game-Theoretic Approach. IEEE Transactions on Mobile Computing, 2013, 12, 2233-2246.                         | 5.8 | 92        |
| 295 | Matching with externalities for context-aware user-cell association in small cell networks. , 2013, , .   |     | 102       |
| 296 | Statistical Analysis of Self-Organizing Networks With Biased Cell Association and Interference Avoidance. IEEE Transactions on Vehicular Technology, 2013, 62, 1950-1961. | 6.3 | 83        |
| 297 | Outage Probability and Capacity for Two-Tier Femtocell Networks by Approximating Ratio of Rayleigh and Log Normal Random Variables. , 2013, , .                           |     | 3         |
| 298 | Proactive user association in wireless small cell networks via collaborative filtering. , 2013, , .   |     | 6         |
| 299 | Learning coarse correlated equilibria in two-tier wireless networks. , 2012, , .  |     | 29        |
| 300 | On the impact of heterogeneous backhubs on coordinated multipoint transmission in femtocell networks. , 2012, , .   |     | 31        |
| 301 | Performance analysis of full duplex and selective and incremental half duplex relaying schemes. , 2012, , .   |     | 28        |
| 302 | Use of learning, game theory and optimization as biomimetic approaches for Self-Organization in macro-femtocell coexistence. , 2012, , .                                  |     | 14        |
| 303 | Coordination Mechanisms for Self-Organizing Femtocells in Two-Tier Coexistence Scenarios. IEEE Transactions on Wireless Communications, 2012, 11, 2212-2223.              | 9.2 | 39        |
| 304 | Coordinated beam selection in LTE-Advanced HetNets: A reinforcement learning approach. , 2012, , .  |     | 6         |
| 305 | Performance of Transmit Antenna Selection Physical Layer Security Schemes. IEEE Signal Processing Letters, 2012, 19, 372-375.   | 3.6 | 206       |
| 306 | On the dynamic formation of cooperative multipoint transmissions in small cell networks. , 2012, , .  |     | 10        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 307 | Dynamic Inter-Cell Interference Coordination in HetNets: A reinforcement learning approach. , 2012, , .   |      | 48        |
| 308 | Enhanced performance of heterogeneous networks through full-duplex relaying. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .     | 2.4  | 4         |
| 309 | Enabling macrocell-femtocell coexistence through interference draining. , 2012, , .   |      | 2         |
| 310 | Spectrum Leasing as an Incentive Towards Uplink Macrocell and Femtocell Cooperation. IEEE Journal on Selected Areas in Communications, 2012, 30, 617-630. | 14.0 | 96        |
| 311 | Game Theory and Femtocell Communications. Advances in Wireless Technologies and Telecommunication Book Series, 2012, , 200-214.                           | 0.4  | 1         |
| 312 | Coordination Mechanisms for Stand-Alone Femtocells in Self-Organizing Deployments. , 2011, , .  |      | 2         |
| 313 | Coalition formation games for femtocell interference management: A recursive core approach. , 2011, , .   |      | 38        |
| 314 | Distributed Learning Strategies for Interference Mitigation in Femtocell Networks. , 2011, , .  |      | 40        |
| 315 | Decentralized Cross-Tier Interference Mitigation in Cognitive Femtocell Networks. , 2011, , .   |      | 42        |
| 316 | Cooperative Interference Alignment in Femtocell Networks. , 2011, , .   |      | 34        |
| 317 | Interference management in self-organized femtocell networks: The BeFEMTO approach. , 2011, , .   |      | 18        |
| 318 | Hierarchical Power Allocation Games. Wireless Networks and Mobile Communications, 2011, , 227-245.  | 1.0  | 0         |
| 319 | Interference avoidance via resource scheduling in TDD underlay femtocells. , 2010, , .  |      | 27        |
| 320 | A stochastic association mechanism for macro-to-femtocell handover. , 2010, , .   |      | 9         |
| 321 | Interference management for self-organized femtocells towards green networks. , 2010, , .   |      | 13        |
| 322 | A self-organizing solution for interference avoidance in TDD underlay femtocells. , 2010, , .   |      | 10        |
| 323 | On interference analysis of self-organized femtocells in indoor deployment. , 2010, , .   |      | 5         |
| 324 | A Q-learning based approach to interference avoidance in self-organized femtocell networks. , 2010, , .   |      | 122       |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 325 | On spectrum sharing with underlaid femtocell networks. , 2010, , .   |     | 29        |
| 326 | Learning based mechanisms for interference mitigation in self-organized femtocell networks. , 2010, , .  |     | 32        |
| 327 | A Hierarchical Game Approach to Inter-Operator Spectrum Sharing. , 2009, , .   |     | 7         |
| 328 | Spectrum sharing games on the interference channel. , 2009, , .  |     | 22        |
| 329 | Advanced Spectrum Functionalities for Future Radio Networks. Wireless Personal Communications, 2009, 48, 175-191.  | 2.7 | 1         |
| 330 | Performance evaluation of advanced spectrum functionalities for future radio networks. Wireless Communications and Mobile Computing, 2009, 9, 1532-1542.               | 1.2 | 0         |
| 331 | Inter-Operator Spectrum Sharing from a Game Theoretical Perspective. Eurasip Journal on Advances in Signal Processing, 2009, 2009, .                                   | 1.7 | 26        |
| 332 | Efficient Resource Allocation and Paving the Way Towards Highly Efficient IMT-Advanced Systems. Wireless Personal Communications, 2008, 45, 465-478.                   | 2.7 | 2         |
| 333 | Opportunistic power allocation for point-to-point communication in self-organized networks. , 2008, , .  |     | 0         |
| 334 | Non-cooperative operators in a game-theoretic framework. , 2008, , .   |     | 9         |
| 335 | Performance of MIMO Schemes with Channel Estimation Errors. , 2007, , .  |     | 4         |
| 336 | On the integration of resource sharing and relaying paradigms to improve the efficiency of B3G systems. , 2007, , .  |     | 0         |
| 337 | Inter-Network Resource Sharing and Improving the Efficiency of Beyond 3G Systems. , 2007, , .  |     | 5         |
| 338 | Inter Base Station Resource Sharing and Improving the Overall Efficiency of B3G Systems. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , . | 0.0 | 21        |
| 339 | Inter-Operator Resource Sharing for 3G Systems and Beyond. , 2006, , .   |     | 12        |
| 340 | Decentralized reinforcement learning techniques for interference management in heterogeneous networks. , 0, , 260-279.   |     | 0         |
| 341 | Game theory and learning techniques for self-organization in small cell networks. , 0, , 242-283.  |     | 0         |
| 342 | Time- and frequency-domain e-ICIC with single- and multi-flow carrier aggregation in HetNets. , 0, , 484-501.  |     | 0         |