

Rui Yin

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

1,171
citations

623734

14
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477307

29
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73
all docs

73
docs citations

73
times ranked

1208
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Joint Mode Selection and Resource Allocation for Device-to-Device Communications. IEEE Transactions on Communications, 2014, 62, 3814-3824. | 7.8 | 258 |
| 2 | LBT-Based Adaptive Channel Access for LTE-U Systems. IEEE Transactions on Wireless Communications, 2016, 15, 6585-6597. | 9.2 | 117 |
| 3 | A distributed relay selection method for relay assisted Device-to-Device communication system. , 2012, , . | | 71 |
| 4 | Joint Downlink and Uplink Resource Allocation for Energy-Efficient Carrier Aggregation. IEEE Transactions on Wireless Communications, 2015, 14, 3207-3218. | 9.2 | 62 |
| 5 | Uplink channel reusing selection optimization for Device-to-Device communication underlying cellular networks. , 2012, , . | | 53 |
| 6 | A Framework for Co-Channel Interference and Collision Probability Tradeoff in LTE Licensed-Assisted Access Networks. IEEE Transactions on Wireless Communications, 2016, 15, 6078-6090. | 9.2 | 51 |
| 7 | Energy Efficiency Optimization in Licensed-Assisted Access. IEEE Journal on Selected Areas in Communications, 2016, 34, 723-734. | 14.0 | 49 |
| 8 | Performance Analysis for Physical Layer Security in Multi-Antenna Downlink Networks with Limited CSI Feedback. IEEE Wireless Communications Letters, 2013, 2, 503-506. | 5.0 | 40 |
| 9 | Distributed Spectrum-Aware Clustering in Cognitive Radio Sensor Networks. , 2011, , . | | 33 |
| 10 | Joint licensed and unlicensed spectrum allocation for unlicensed LTE. , 2015, , . | | 29 |
| 11 | Interference-aware channel allocation for Device-to-Device communication underlying cellular networks. , 2012, , . | | 25 |
| 12 | Adaptive LBT for Licensed Assisted Access LTE Networks. , 2015, , . | | 24 |
| 13 | Dual-threshold sleep mode control scheme for small cells. IET Communications, 2014, 8, 2008-2016. | 2.2 | 23 |
| 14 | Decentralized Radio Resource Adaptation in D2D-U Networks. IEEE Internet of Things Journal, 2021, 8, 6720-6732. | 8.7 | 22 |
| 15 | Joint Model Pruning and Device Selection for Communication-Efficient Federated Edge Learning. IEEE Transactions on Communications, 2022, 70, 231-244. | 7.8 | 22 |
| 16 | Interference coordination strategy based on Nash bargaining for small-cell networks. IET Communications, 2015, 9, 1583-1590. | 2.2 | 19 |
| 17 | Hybrid Adaptive Channel Access for LTE-U Systems. IEEE Transactions on Vehicular Technology, 2019, 68, 9820-9832. | 6.3 | 19 |
| 18 | Spatial Reuse for Coexisting LTE and Wi-Fi Systems in Unlicensed Spectrum. IEEE Transactions on Wireless Communications, 2018, 17, 1187-1198. | 9.2 | 18 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Adaptive Network Pruning for Wireless Federated Learning. IEEE Wireless Communications Letters, 2021, 10, 1572-1576. | 5.0 | 17 |
| 20 | Channel Estimation for Uniform Rectangular Array Based Massive MIMO Systems With Low Complexity. IEEE Transactions on Vehicular Technology, 2019, 68, 2545-2556. | 6.3 | 15 |
| 21 | Energy Efficiency Optimization in LTE-U Based Small Cell Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 1963-1967. | 6.3 | 15 |
| 22 | Joint Network-Channel Coding with Rateless Code in Two-Way Relay Systems. IEEE Transactions on Wireless Communications, 2013, 12, 3158-3169. | 9.2 | 12 |
| 23 | KFIML: Kubernetes-Based Fog Computing IoT Platform for Online Machine Learning. IEEE Internet of Things Journal, 2022, 9, 19463-19476. | 8.7 | 12 |
| 24 | Minority Game for Distributed User Association in Unlicensed Heterogenous Networks. IEEE Transactions on Wireless Communications, 2020, 19, 4220-4233. | 9.2 | 11 |
| 25 | Adaptive biasing scheme for load balancing in backhaul constrained small cell networks. IET Communications, 2015, 9, 999-1005. | 2.2 | 10 |
| 26 | Joint Power Allocation and Reuse Partner Selection for Device-to-Device Communications. , 2015, , . | | 10 |
| 27 | Semi-Distributed Joint Power and Spectrum Allocation for LAA Based Small Cell Networks. IEEE Transactions on Wireless Communications, 2020, 19, 4141-4153. | 9.2 | 9 |
| 28 | Deep Reinforcement Learning for D2D transmission in unlicensed bands. , 2019, , . | | 8 |
| 29 | Distributed Spectrum and Power Allocation for D2D-U Networks: a Scheme Based on NN and Federated Learning. Mobile Networks and Applications, 2021, 26, 2000-2013. | 3.3 | 8 |
| 30 | Coexistence Analysis of D2D-Unlicensed and Wi-Fi Communications. Wireless Communications and Mobile Computing, 2021, 2021, 1-11. | 1.2 | 7 |
| 31 | Coexistence algorithms for LTE and WiFi networks in unlicensed spectrum: performance optimization and comparison. Wireless Networks, 2021, 27, 1875-1885. | 3.0 | 7 |
| 32 | Tradeoff between co-channel Interference and collision probability in LAA systems. , 2016, , . | | 6 |
| 33 | PCA-Based Channel Estimation and Tracking for Massive MIMO Systems With Uniform Rectangular Arrays. IEEE Transactions on Wireless Communications, 2020, 19, 6786-6797. | 9.2 | 6 |
| 34 | Group-Based Data Transmission Protocol for Small-Sized URLLC Services. IEEE Wireless Communications Letters, 2020, 9, 1432-1436. | 5.0 | 6 |
| 35 | Adaptive Channel Estimation and Tracking for URA-Based Massive MIMO Systems. IEEE Access, 2020, 8, 54213-54224. | 4.2 | 6 |
| 36 | Learning-Based WiFi Traffic Load Estimation in NR-U Systems. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2021, E104.A, 542-549. | 0.3 | 6 |

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|----|---|-----|-----------|
| 37 | Heterogeneity-Aware Energy Saving and Energy Efficiency Optimization in Dense Small Cell Networks. IEEE Access, 2020, 8, 178670-178684. | 4.2 | 5 |
| 38 | Distributed Spectrum and Power Allocation for D2D-U Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 161-180. | 0.3 | 5 |
| 39 | Adaptive Batchsize Selection and Gradient Compression for Wireless Federated Learning. , 2020, , . | | 5 |
| 40 | Power Allocation for Relay-Assisted TDD Cellular System with Dynamic Frequency Reuse. IEEE Transactions on Wireless Communications, 2012, 11, 2424-2435. | 9.2 | 4 |
| 41 | Energy-efficient resource block allocation for licensed-assisted access. , 2015, , . | | 4 |
| 42 | A Distributed Network Selection Method Based on Minority Game for LTE in Unlicensed Bands. , 2019, , . | | 4 |
| 43 | Centralized and distributed resource allocation in OFDM based multi-relay system. Journal of Zhejiang University: Science C, 2010, 11, 450-464. | 0.7 | 3 |
| 44 | Concatenated channelâ€¦andâ€¦network coding scheme for twoâ€¦path successive relay network. IET Communications, 2013, 7, 82-90. | 2.2 | 3 |
| 45 | Joint downlink and uplink resource allocation for energy-efficient carrier aggregation. , 2014, , . | | 3 |
| 46 | Robust Rate-Maximization Precoder Design for VFDM System. IEEE Transactions on Vehicular Technology, 2020, 69, 2747-2757. | 6.3 | 3 |
| 47 | Low-Complexity Coded Transmission Without CSI for Full-Duplex Relay Networks. , 2020, , . | | 3 |
| 48 | On the Capacity Bounds of Non-Restricted Gaussian Amplify-and-Forward Two-Way Relay Channel. IEEE Communications Letters, 2012, 16, 1540-1543. | 4.1 | 2 |
| 49 | Decentralized interference coordination for D2D communication underlying cellular Networks. , 2015, , . | | 2 |
| 50 | Spatial Resource Allocation for Spectrum Reuse in Unlicensed LTE Systems. , 2017, , . | | 2 |
| 51 | Energy Efficiency in LTE-U Based Small Cell Systems. IEEE Access, 2018, 6, 64050-64062. | 4.2 | 2 |
| 52 | Resource Optimization in MEC-Assisted Multirobot Cooperation Systems. Wireless Communications and Mobile Computing, 2022, 2022, 1-8. | 1.2 | 2 |
| 53 | Fundamental EE Tradeoff in LTE-U Based Small Cell Systems. , 2018, , . | | 1 |
| 54 | Adaptive PCA Based Channel Estimation and Tracking for URA Massive MIMO Systems. , 2019, , . | | 1 |

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|----|--|-----|-----------|
| 55 | IDFT-VFDM for LTE FDD-NR SUL Co-existence. , 2019, , . | | 1 |
| 56 | Unitary Matrix Method for PAPR Reduction of IDFT-VFDM Signals. IEEE Wireless Communications Letters, 2020, 9, 2107-2111. | 5.0 | 1 |
| 57 | Heterogeneity-based Energy-efficient Transmission in Dense Small Cell Networks. , 2020, , . | | 1 |
| 58 | Grouping-Based Channel Estimation and Tracking for Millimeter Wave Massive MIMO Systems. Wireless Communications and Mobile Computing, 2021, 2021, 1-14. | 1.2 | 1 |
| 59 | Power Allocation for Full-Duplex Communication Systems Based on Deep Deterministic Policy Gradient. , 2020, , . | | 1 |
| 60 | Distributed Resource Allocation for Maximizing Energy Efficiency in D2D-U Enabled NR Network. , 2021, , . | | 1 |
| 61 | Unlicensed assisted transmission in vehicular edge computing networks. Eurasip Journal on Advances in Signal Processing, 2022, 2022, . | 1.7 | 1 |
| 62 | Distributed Resource Management for Licensed and Unlicensed Integrated Mobile Edge Computing. , 2021, , . | | 1 |
| 63 | Resource Management in MEC based Muti-Robot Cooperation Systems. , 2021, , . | | 1 |
| 64 | A Novel Image Edge Detection Method Based on the Asymmetric STDP Mechanism of the Visual Path. Wireless Communications and Mobile Computing, 2022, 2022, 1-12. | 1.2 | 1 |
| 65 | Unlicensed Assisted Ultra-Reliable and Low-Latency Communications. Mobile Networks and Applications, 2022, 27, 2232-2243. | 3.3 | 1 |
| 66 | Joint channel-network coding with rateless code in two-way relay system. , 2012, , . | | 0 |
| 67 | Opportunistic relaying in delay-constrained mobile relay systems with linear mobility. , 2013, , . | | 0 |
| 68 | Opportunistic packet relaying strategy for an OFDM-based mobile relay system. , 2013, , . | | 0 |
| 69 | Adaptive LBT for Licensed Assisted Access LTE Networks. , 2014, , . | | 0 |
| 70 | A Distributed User Association Method for LTE-U by Enabling Q-Learning in Minority Game. , 2019, , . | | 0 |
| 71 | Channel-Aware Scheduling for Coded Packet Broadcasting in Full-Duplex Relay Networks. , 2022, , . | | 0 |
| 72 | Adaptive Channel Detection for Full-Duplex Based IAB Systems on Unlicensed Channels. , 2021, , . | | 0 |