# Rongqing Zhang

List of Publications by Year
in descending order

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|---|---|---|---|
| 123<br>papers | 3,275<br>citations | 172207<br>29<br>h-index | 182168<br>51<br>g-index |
| 123<br>all docs | 123<br>docs citations | 123<br>times ranked | 3117<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Contract-Based Charging Protocol for Electric Vehicles With Vehicular Fog Computing: An Integrated Charging and Computing Perspective. IEEE Internet of Things Journal, 2023, 10, 7667-7680. | 5.5 | 5 |
| 2 | Multi-Vehicle Collaborative Learning for Trajectory Prediction With Spatio-Temporal Tensor Fusion. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 236-248. | 4.7 | 34 |
| 3 | Hop Count Distribution for Minimum Hop-Count Routing in Finite Ad Hoc Networks. IEEE Transactions on Wireless Communications, 2022, 21, 5317-5332. | 6.1 | 1 |
| 4 | Hierarchical Traffic Flow Prediction Based on Spatial-Temporal Graph Convolutional Network. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 16137-16147. | 4.7 | 32 |
| 5 | FPoL: Federated Learning-Enabled Collaborative Packing Leakage Detection System. , 2022, , . | | 0 |
| 6 | Multi-Agent Reinforcement Learning-Based Autonomous Intersection Management Protocol with Attention Mechanism. , 2022, , . | | 2 |
| 7 | Hybrid NOMA User Grouping for Short Packet Communications in IoT Network with Different Types of Devices. , 2022, , . | | 3 |
| 8 | UAV-Assisted Data Collection With Nonorthogonal Multiple Access. IEEE Internet of Things Journal, 2021, 8, 501-511. | 5.5 | 41 |
| 9 | Full-Duplex UAV Relaying for Multiple User Pairs. IEEE Internet of Things Journal, 2021, 8, 4657-4667. | 5.5 | 38 |
| 10 | Generalized User Grouping in NOMA Based on Overlapping Coalition Formation Game. IEEE Journal on Selected Areas in Communications, 2021, 39, 969-981. | 9.7 | 13 |
| 11 | Cross-Domain Semantic Segmentation of Urban Scenes via Multi-Level Feature Alignment. , 2021, , . | | 1 |
| 12 | A survey on unmanned aerial vehicle relaying networks. IET Communications, 2021, 15, 1262-1272. | 1.5 | 29 |
| 13 | Electromagnetic situation analysis and judgment based on deep learning. IET Communications, 2021, 15, 1455-1466. | 1.5 | 3 |
| 14 | Generalized User Grouping in NOMA: An Overlapping Perspective. IEEE Transactions on Wireless Communications, 2021, 20, 2876-2887. | 6.1 | 8 |
| 15 | Joint User Scheduling and UAV Trajectory Optimization for Full-Duplex UAV Relaying. , 2021, , . | | 2 |
| 16 | Joint User Grouping and Power Allocation for NOMA-Based UAV Relaying Networks. , 2021, , . | | 4 |
| 17 | A UAV-Enabled Data Dissemination Protocol With Proactive Caching and File Sharing in V2X Networks. IEEE Transactions on Communications, 2021, 69, 3930-3942. | 4.9 | 34 |
| 18 | A Priority-Based Autonomous Intersection Management (AIM) Scheme for Connected Automated Vehicles (CAVs). Vehicles, 2021, 3, 533-544. | 1.7 | 6 |

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| 19 | An efficient multi‐sensor fusion and tracking protocol in a vehicle‐road collaborative system. IET Communications, 2021, 15, 2330. | 1.5 | 2 |
| 20 | An Efficient Multi-Sensor Fusion Protocol in a Vehicle-Road Collaborative System. , 2021, , . | | 0 |
| 21 | Cooperative Jamming via Spectrum Sharing for Secure UAV Communications. IEEE Wireless Communications Letters, 2020, 9, 326-330. | 3.2 | 36 |
| 22 | Resonant Beam Charging-Powered UAV-Assisted Sensing Data Collection. IEEE Transactions on Vehicular Technology, 2020, 69, 1086-1090. | 3.9 | 29 |
| 23 | Graph-Based File Dispatching Protocol With D2D-Aided UAV-NOMA Communications in Large-Scale Networks. , 2020, , . | | 3 |
| 24 | Graph-Based File Dispatching Protocol With D2D-Enhanced UAV-NOMA Communications in Large-Scale Networks. IEEE Internet of Things Journal, 2020, 7, 8615-8630. | 5.5 | 29 |
| 25 | Joint Transmit Power and Trajectory Optimization for Two-Way Multi-Hop UAV Relaying Networks. , 2020, , . | | 8 |
| 26 | UAV-Assisted Data Collection with Non-Orthogonal Multiple Access. , 2020, , . | | 2 |
| 27 | Towards Adaptive Semantic Segmentation By Progressive Feature Refinement. , 2020, , . | | 1 |
| 28 | Routing Protocol Design for Underwater Optical Wireless Sensor Networks: A Multiagent Reinforcement Learning Approach. IEEE Internet of Things Journal, 2020, 7, 9805-9818. | 5.5 | 43 |
| 29 | Mobility Prediction-Based Joint Task Assignment and Resource Allocation in Vehicular Fog Computing. , 2020, , . | | 8 |
| 30 | Generalized User Grouping in NOMA Based on Overlapping Coalition Formation Game. , 2020, , . | | 0 |
| 31 | Machine Learning-Based Generalized User Grouping in NOMA. , 2020, , . | | 2 |
| 32 | Density‐aware deployment with multi‐layer UAV‐V2X communication networks. IET Communications, 2020, 14, 2709-2715. | 1.5 | 9 |
| 33 | Occlusion-Aware Discriminative Networks for Visual Object Tracking. , 2020, , . | | 1 |
| 34 | Flexible Energy Management Protocol for Cooperative EV-to-EV Charging. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 172-184. | 4.7 | 102 |
| 35 | Interference Hypergraph-Based 3D Matching Resource Allocation Protocol for NOMA-V2X Networks. , 2019, , . | | 5 |
| 36 | Interference Hypergraph-Based 3D Matching Resource Allocation Protocol for NOMA-V2X Networks. IEEE Access, 2019, 7, 90789-90800. | 2.6 | 43 |

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| 37 | UAV-Aided Data Dissemination Protocol with Dynamic Trajectory Scheduling in VANETs. , 2019, , . | | 14 |
| 38 | Relay in the Sky: A UAV-Aided Cooperative Data Dissemination Scheduling Strategy in VANETs. , 2019, , . | | 13 |
| 39 | Cooperative Jamming for Secure UAV Communications With Partial Eavesdropper Information. IEEE Access, 2019, 7, 94593-94603. | 2.6 | 54 |
| 40 | Sequence Set Design with Min-Max Criterion Using Majorization-Minimization. , 2019, , . | | 2 |
| 41 | Collision Recognition in Multihop IEEE 802.15.4-Compliant Wireless Sensor Networks. IEEE Internet of Things Journal, 2019, 6, 8542-8552. | 5.5 | 3 |
| 42 | UAV-Assisted Data Dissemination with Proactive Caching and File Sharing in V2X Networks. , 2019, , . | | 13 |
| 43 | Zero-Forcing Based Limited Feedback Hybrid Precoding in mmWave Communications. , 2019, , . | | 1 |
| 44 | Uplink Spectral Efficiency Analysis in Vehicle-to-Infrastructure Massive MIMO systems. , 2019, , . | | 0 |
| 45 | Non-Intrusive Load Disaggregation Using Semi-Supervised Learning Method. , 2019, , . | | 4 |
| 46 | Relay Selection Strategy (RSS) Design for In-Vehicle Storage (IVS) System. , 2019, , . | | 0 |
| 47 | Low-Rate Non-Intrusive Appliance Load Monitoring Based on Graph Signal Processing. , 2019, , . | | 5 |
| 48 | Network Beamforming in Energy-Harvesting Relay Networks. , 2019, , . | | 1 |
| 49 | Spectral efficiency analysis for massive MIMO systems in Ricean fading channels. IET Communications, 2019, 13, 3193-3200. | 1.5 | 2 |
| 50 | Anomaly detection for cellular networks using big data analytics. IET Communications, 2019, 13, 3351-3359. | 1.5 | 10 |
| 51 | Wireless-Vehicle Combination: Effective MAC Designs in VCN. Wireless Networks, 2019, , 87-134. | 0.3 | 0 |
| 52 | Introduction to 5G-Enabled VCN. Wireless Networks, 2019, , 1-9. | 0.3 | 0 |
| 53 | Wireless-Vehicle Combination: Advanced PHY Techniques in VCN. Wireless Networks, 2019, , 41-85. | 0.3 | 1 |
| 54 | Wireless-Vehicle Integration: VCN-Based Applications. Wireless Networks, 2019, , 135-177. | 0.3 | 0 |

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| 55 | Secure Massive MIMO Under Imperfect CSI: Performance Analysis and Channel Prediction. IEEE Transactions on Information Forensics and Security, 2019, 14, 1610-1623. | 4.5 | 37 |
| 56 | Interference Hypergraph-Based Resource Allocation (IHG-RA) for NOMA-Integrated V2X Networks. IEEE Internet of Things Journal, 2019, 6, 161-170. | 5.5 | 65 |
| 57 | Wireless Toward the Era of Intelligent Vehicles. IEEE Internet of Things Journal, 2019, 6, 188-202. | 5.5 | 94 |
| 58 | 5G-Enabled Vehicular Communications and Networking. Wireless Networks, 2019, , . | 0.3 | 22 |
| 59 | Interference-Free Graph Based TDMA Protocol for Underwater Acoustic Sensor Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 4008-4019. | 3.9 | 45 |
| 60 | Interference Hypergraph-Based Resource Allocation (IHG-RA) for NOMA-Integrated V2X Networks. , 2018, , . | | 6 |
| 61 | Full-Duplex Energy-Harvesting Relay Networks: Capacity-Maximizing Relay Selection. Journal of Communications and Information Networks, 2018, 3, 79-85. | 3.5 | 6 |
| 62 | UAV-Assisted Data Dissemination Scheduling in VANETs. , 2018, , . | | 30 |
| 63 | 5G enabled vehicular communications and networking. China Communications, 2018, 15, iii-vi. | 2.0 | 31 |
| 64 | Interference-free pilot design and channel estimation using ZCZ sequences for MIMO-OFDM-based C-V2X communications. China Communications, 2018, 15, 47-54. | 2.0 | 19 |
| 65 | Performance Analysis of Secure Communication in Massive MIMO with Imperfect Channel State Information. , 2018, , . | | 6 |
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| 67 | Channel Prediction Based Scheduling for Data Dissemination in VANETs. IEEE Communications Letters, 2017, 21, 1409-1412. | 2.5 | 97 |
| 68 | Cooperative Content Download-and-Share: Motivating D2D in Cellular Networks. IEEE Communications Letters, 2017, 21, 1831-1834. | 2.5 | 11 |
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| 72 | Joint Power Allocation and Splitting (JoPAS) for SWIPT in Doubly Selective Vehicular Channels. IEEE Transactions on Green Communications and Networking, 2017, 1, 494-502. | 3.5 | 13 |

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| 73 | Graph based resource allocation for physical layer security in full-duplex cellular networks. , 2017, , . | | 6 |
| 74 | Overlapping Coalition Formation Game BasedOpportunistic Cooperative Localization Schemefor Wireless Networks. IEEE Transactions on Communications, 2017, , 1-1. | 4.9 | 9 |
| 75 | Capacity-Enhancing Full-Duplex Relay Networks based on Power-Splitting (PS-)SWIPT. IEEE Transactions on Vehicular Technology, 2017, 66, 5445-5450. | 3.9 | 81 |
| 76 | Secrecy-Based Resource Allocation for Vehicular Communication Networks with Outdated CSI. , 2017, , . | | 6 |
| 77 | Relay Selection in Power Splitting Based Energy-Harvesting Half-Duplex Relay Networks. , 2017, , . | | 7 |
| 78 | An Interference-Free Graph Based TDMA Scheduling Protocol for Vehicular Ad-Hoc Networks. , 2017, , . | | 5 |
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| 82 | Spectral Efficiency of Bidirectional Dynamic Networks with Massive MIMO. , 2016, , . | | 0 |
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| 85 | Interference-area-based resource allocation for full-duplex communications. , 2016, , . | | 1 |
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| 91 | A Cross-Layer Design for Data-Centric Storage in Underwater Acoustic Sensor Networks. , 2015, , . | | 0 |
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