

Yanan Wang

List of Publications by Year in descending order

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49
papers

1,038
citations

759233

12
h-index

414414

32
g-index

49
all docs

49
docs citations

49
times ranked

1176
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Survey on the Internet of Vehicles: Network Architectures and Applications. IEEE Communications Standards Magazine, 2020, 4, 34-41. | 4.9 | 214 |
| 2 | Secrecy Performance Analysis of UAV Assisted Relay Transmission for Cognitive Network With Energy Harvesting. IEEE Transactions on Vehicular Technology, 2020, 69, 7404-7415. | 6.3 | 134 |
| 3 | Performance Analysis of UAV Relay Assisted IoT Communication Network Enhanced With Energy Harvesting. IEEE Access, 2019, 7, 38738-38747. | 4.2 | 123 |
| 4 | A Survey of Computational Intelligence for 6G: Key Technologies, Applications and Trends. IEEE Transactions on Industrial Informatics, 2021, 17, 7145-7154. | 11.3 | 97 |
| 5 | A Survey of Routing Protocols in WBAN for Healthcare Applications. Sensors, 2019, 19, 1638. | 3.8 | 89 |
| 6 | A robust distance-based relay selection for message dissemination in vehicular network. Wireless Networks, 2020, 26, 1755-1771. | 3.0 | 49 |
| 7 | Joint optimization for ambient backscatter communication system with energy harvesting for IoT. Mechanical Systems and Signal Processing, 2020, 135, 106412. | 8.0 | 48 |
| 8 | The Efficient BackFi Transmission Design in Ambient Backscatter Communication Systems for IoT. IEEE Access, 2019, 7, 31397-31408. | 4.2 | 33 |
| 9 | A Relay-Node Selection on Curve Road in Vehicular Networks. IEEE Access, 2019, 7, 12714-12728. | 4.2 | 22 |
| 10 | An Energy-Efficient Routing Protocol for Reliable Data Transmission in Wireless Body Area Networks. Sensors, 2019, 19, 4238. | 3.8 | 21 |
| 11 | ARNS: Adaptive Relay-Node Selection Method for Message Broadcasting in the Internet of Vehicles. Sensors, 2020, 20, 1338. | 3.8 | 20 |
| 12 | Research on Secure Transmission Performance of Electric Vehicles Under Nakagami-m Channel. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1881-1891. | 8.0 | 15 |
| 13 | UAV-based Mobile Wireless Power Transfer Systems with Joint Optimization of User Scheduling and Trajectory. Mobile Networks and Applications, 2022, 27, 1813-1827. | 3.3 | 13 |
| 14 | Energy-Efficient Resource Allocation in Uplink Multiuser Massive MIMO Systems. International Journal of Antennas and Propagation, 2015, 2015, 1-9. | 1.2 | 11 |
| 15 | Simple non-coherent detection scheme for IEEE 802.15.4 BPSK receivers. Electronics Letters, 2017, 53, 628-629. | 1.0 | 11 |
| 16 | Outage analysis for simultaneous wireless information and power transfer in dual-hop relaying networks. Wireless Networks, 2019, 25, 837-844. | 3.0 | 11 |
| 17 | Performance Analysis of Multihop Relaying Caching for Internet of Things under Nakagami Channels. Wireless Communications and Mobile Computing, 2018, 2018, 1-9. | 1.2 | 10 |
| 18 | Fuzzy Control-Based Energy-Aware Routing Protocol for Wireless Body Area Networks. Journal of Sensors, 2021, 2021, 1-13. | 1.1 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | SWIPT Enabled Intelligent Transportation Systems With Advanced Sensing Fusion. IEEE Sensors Journal, 2021, 21, 15643-15650. | 4.7 | 9 |
| 20 | Low-Complexity Implicit Detection for Massive MIMO Using Neumann Series. IEEE Transactions on Vehicular Technology, 2022, 71, 9044-9049. | 6.3 | 9 |
| 21 | Research on Rainfall Monitoring Based on E-Band Millimeter Wave Link in East China. Sensors, 2021, 21, 1670. | 3.8 | 8 |
| 22 | Efficient MAC protocol design and performance analysis for dense WLANs. Wireless Networks, 2014, 20, 2237-2254. | 3.0 | 7 |
| 23 | Performance evaluation for shape estimation of extended objects using a modified hausdorff distance. , 2016, , . | | 6 |
| 24 | Robust Beamforming Design for Secure V2X Downlink System with Wireless Information and Power Transfer under a Nonlinear Energy Harvesting Model. Sensors, 2018, 18, 3294. | 3.8 | 6 |
| 25 | Relay Cooperative Transmission Algorithms for IoV Under Aggregated Interference. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 9712-9725. | 8.0 | 6 |
| 26 | Optimization Based Adaptive Cruise Control and Energy Management Strategy for Connected and Automated FCHEV. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21620-21629. | 8.0 | 6 |
| 27 | Research on optimal intelligent routing algorithm for IoV with machine learning and smart contract. Digital Communications and Networks, 2023, 9, 47-55. | 5.0 | 6 |
| 28 | Exponent-Based Partitioning Broadcast Protocol for Emergency Message Dissemination in Vehicular Networks. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 2075-2083. | 0.3 | 5 |
| 29 | Design and Analysis of a General Relay-Node Selection Mechanism on Intersection in Vehicular Networks. Sensors, 2018, 18, 4251. | 3.8 | 5 |
| 30 | Characteristics of Rain-Induced Attenuation over Signal Links at Frequency Ranges of 25 and 38 GHz Observed in Beijing. Remote Sensing, 2021, 13, 2156. | 4.0 | 5 |
| 31 | Performance of antenna selection for two-way relay networks with Physical Network Coding. , 2013, , . | | 4 |
| 32 | Performance of multiple relay selection with QoS requirement for cooperative relay networks. , 2013, , . | | 3 |
| 33 | An Efficient Data Collection Protocol Based on Multihop Routing and Single-Node Cooperation in Wireless Sensor Networks. Journal of Sensors, 2014, 2014, 1-9. | 1.1 | 3 |
| 34 | Efficient protocol design for device-to-device communication in ultra dense networks. , 2017, , . | | 3 |
| 35 | Service Migration Policy Optimization considering User Mobility for E-Healthcare Applications. Journal of Healthcare Engineering, 2021, 2021, 1-13. | 1.9 | 3 |
| 36 | Robust collaborative relay beamforming design for two-way relay systems with reciprocal CSI. Wireless Networks, 2015, 21, 2209-2221. | 3.0 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Analysis over Spectral Efficiency and Power Scaling in Massive MIMO Dual-Hop Systems with Multi-Pair Users. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 1665-1673. | 0.3 | 2 |
| 38 | Resource allocation on secrecy energy efficiency for C-RAN with artificial noise. Wireless Networks, 2020, 26, 639-650. | 3.0 | 2 |
| 39 | Resource allocation algorithm for IoT communication based on ambient backscatter. , 2021, , . | | 2 |
| 40 | An energy-efficient routing protocol for mobile opportunistic network. , 2016, , . | | 1 |
| 41 | Efficient Protocols Design and Performance Analysis for Centralized WLAN. Wireless Personal Communications, 2018, 99, 839-862. | 2.7 | 1 |
| 42 | MCGR-PB: A Multi-Player Cooperative Game Based Routing for Performance Balancing in Crowd Sensing Networks. IEEE Access, 2018, 6, 68440-68449. | 4.2 | 1 |
| 43 | A multi attribute decision routing for load-balancing in crowd sensing network. Wireless Networks, 2019, 25, 13-28. | 3.0 | 1 |
| 44 | The impact of rainfall on E-band millimeter-wave links in East China. , 2021, , . | | 1 |
| 45 | Performance analysis of cognitive radio networks with interference cancellation. , 2014, , . | | 0 |
| 46 | Closed-form energy efficient joint power allocation for dual-hop massive MIMO relaying systems. , 2017, , . | | 0 |
| 47 | Tracking of Maneuvering Complex Extended Object with Coupled Motion Kinematics and Extension Dynamics Using Range Extent Measurements. Sensors, 2017, 17, 2184. | 3.8 | 0 |
| 48 | A Non-Coherent Detection Scheme of O-QPSK Receiver for Perfect-Communication Establishment in Blockchain Technology. , 2019, , . | | 0 |
| 49 | Impact of Precipitation on Millimeter-Wave Backhaul Links for 5G Cellular Networks. , 2020, , . | | 0 |