

Jun Zhao

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101
papers

1,656
citations

20
h-index

37
g-index

123
ext. papers

2,486
ext. citations

5.9
avg, IF

5.92
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 101 | . <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 2906-2920 | 6.8 | 251 |
| 100 | . <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 375-388 | 9.6 | 125 |
| 99 | Blockchain for Future Smart Grid: A Comprehensive Survey. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 18-43 | 10.7 | 115 |
| 98 | Blockchain for the Internet of Vehicles Towards Intelligent Transportation Systems: A Survey. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 4157-4185 | 10.7 | 91 |
| 97 | . <i>IEEE Internet of Things Journal</i> , 2021 , 8, 1817-1829 | 10.7 | 79 |
| 96 | Collecting and Analyzing Multidimensional Data with Local Differential Privacy 2019 , | | 64 |
| 95 | . <i>IEEE Internet of Things Journal</i> , 2021 , 8, 8836-8853 | 10.7 | 51 |
| 94 | Sum-Rate Maximization for UAV-Assisted Visible Light Communications Using NOMA: Swarm Intelligence Meets Machine Learning. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 10375-10387 | 10.7 | 41 |
| 93 | Intelligent Reflecting Surface-Aided Joint Processing Coordinated Multipoint Transmission. <i>IEEE Transactions on Communications</i> , 2021 , 69, 1650-1665 | 6.9 | 41 |
| 92 | . <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 1963-1974 | 9.6 | 41 |
| 91 | Threats to Federated Learning. <i>Lecture Notes in Computer Science</i> , 2020 , 3-16 | 0.9 | 33 |
| 90 | Privacy-Preserving Federated Learning for UAV-Enabled Networks: Learning-Based Joint Scheduling and Resource Management. <i>IEEE Journal on Selected Areas in Communications</i> , 2021 , 39, 3144-3159 | 14.2 | 33 |
| 89 | . <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 3810-3836 | 2.8 | 31 |
| 88 | Intelligent Reflecting Surface Aided Network: Power Control for Physical-Layer Broadcasting 2020 , | | 30 |
| 87 | On Resilience and Connectivity of Secure Wireless Sensor Networks Under Node Capture Attacks. <i>IEEE Transactions on Information Forensics and Security</i> , 2017 , 12, 557-571 | 8 | 27 |
| 86 | Impact of Mobility and Heterogeneity on Coverage and Energy Consumption in Wireless Sensor Networks 2011 , | | 24 |
| 85 | Blockchain for Edge of Things: Applications, Opportunities, and Challenges. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1 | 10.7 | 22 |

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| 84 | On the strengths of connectivity and robustness in general random intersection graphs 2014, | | 21 |
| 83 | Effects of Sodium Alginate on the Composition, Morphology, and Electrochemical Properties of Electrospun Carbon Nanofibers as Electrodes for Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 632-640 | 8.3 | 21 |
| 82 | Multicast Scaling Laws with Hierarchical Cooperation 2010, | | 20 |
| 81 | Toward q -Connectivity of the Random Graph Induced by a Pairwise Key Predistribution Scheme With Unreliable Links. <i>IEEE Transactions on Information Theory</i> , 2015 , 61, 6251-6271 | 2.8 | 18 |
| 80 | On Connectivity and Robustness in Random Intersection Graphs. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 2121-2136 | 5.9 | 18 |
| 79 | . <i>IEEE Transactions on Communications</i> , 2021 , 69, 1975-1989 | 6.9 | 18 |
| 78 | Topological Properties of Secure Wireless Sensor Networks Under the q -Composite Key Predistribution Scheme With Unreliable Links. <i>IEEE/ACM Transactions on Networking</i> , 2017 , 25, 1789-1802 ^{3,8} | | 17 |
| 77 | 2014, | | 16 |
| 76 | Reconfigurable Intelligent Surfaces Aided mmWave NOMA: Joint Power Allocation, Phase Shifts, and Hybrid Beamforming Optimization. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1 | 9.6 | 16 |
| 75 | Recent Advances in Adversarial Training for Adversarial Robustness 2021, | | 16 |
| 74 | 2013, | | 15 |
| 73 | Resource Allocation in Mobility-Aware Federated Learning Networks: A Deep Reinforcement Learning Approach 2020, | | 15 |
| 72 | . <i>IEEE Transactions on Wireless Communications</i> , 2021 , 20, 2977-2990 | 9.6 | 15 |
| 71 | Connectivity in secure wireless sensor networks under transmission constraints 2014, | | 13 |
| 70 | On topological properties of wireless sensor networks under the q -composite key predistribution scheme with on/off channels 2014, | | 13 |
| 69 | Joint Active and Passive Beamforming Design for the IRS-Assisted MIMOME-OFDM Secure Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1 | 6.8 | 13 |
| 68 | Reconfigurable Intelligent Surface-assisted Secure Mobile Edge Computing Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1 | 6.8 | 13 |
| 67 | Synthesizing Wider WiFi Bandwidth for Respiration Rate Monitoring in Dynamic Environments 2019 | | 11 |

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| 66 | Minimum node degree and k-connectivity in wireless networks with unreliable links 2014 , | | 11 |
| 65 | Intelligent Reflecting Surface-Aided Backscatter Communications 2020 , | | 11 |
| 64 | Vehicle Selection and Resource Optimization for Federated Learning in Vehicular Edge Computing. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-15 | 6.1 | 11 |
| 63 | k -Connectivity in Random k -Out Graphs Intersecting Erdős-Rényi Graphs. <i>IEEE Transactions on Information Theory</i> , 2017 , 63, 1677-1692 | 2.8 | 10 |
| 62 | Reconfigurable Intelligent Surface for MISO Systems with Proportional Rate Constraints 2020 , | | 10 |
| 61 | . <i>IEEE Access</i> , 2020 , 8, 219744-219756 | 3.5 | 9 |
| 60 | . <i>IEEE Transactions on Mobile Computing</i> , 2021 , 20, 2763-2778 | 4.6 | 9 |
| 59 | . <i>IEEE Transactions on Network Science and Engineering</i> , 2020 , 7, 2363-2377 | 4.9 | 8 |
| 58 | . <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 1-1 | 6.8 | 7 |
| 57 | IRS-Assisted Millimeter Wave Communications: Joint Power Allocation and Beamforming Design 2021 , | | 7 |
| 56 | A GCICA Grant-Free Random Access Scheme for M2M Communications in Crowded Massive MIMO Systems. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1 | 10.7 | 7 |
| 55 | . <i>IEEE Transactions on Information Theory</i> , 2017 , 63, 6714-6734 | 2.8 | 6 |
| 54 | Reflection Resource Management for Intelligent Reflecting Surface Aided Wireless Networks. <i>IEEE Transactions on Communications</i> , 2021 , 1-1 | 6.9 | 6 |
| 53 | Enabling Cross-Chain Transactions: A Decentralized Cryptocurrency Exchange Protocol. <i>IEEE Transactions on Information Forensics and Security</i> , 2021 , 16, 3928-3941 | 8 | 6 |
| 52 | Modeling interest-based social networks: Superimposing Erdős-Rényi graphs over random intersection graphs 2017 , | | 5 |
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| 50 | An Adaptive and Fast Convergent Approach to Differentially Private Deep Learning 2020 , | | 5 |
| 49 | Residual-sparse Fuzzy C-Means Clustering Incorporating Morphological Reconstruction and Wavelet frame. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1 | 8.3 | 5 |

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| 48 | A Survey of 6G Wireless Communications: Emerging Technologies. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 150-170 | 0.4 | 5 |
| 47 | . <i>IEEE Transactions on Control of Network Systems</i> , 2018 , 5, 618-628 | 4 | 4 |
| 46 | Exact analysis of k-connectivity in secure sensor networks with unreliable links 2015 , | | 4 |
| 45 | Joint Transmit Precoding and Reflect Beamforming Design for IRS-Assisted MIMO Cognitive Radio Systems. <i>IEEE Transactions on Wireless Communications</i> , 2021 , 1-1 | 9.6 | 4 |
| 44 | Secrecy Rate Maximization for Intelligent Reflecting Surface Aided SWIPT Systems 2020 , | | 4 |
| 43 | Intelligent Reflecting Surface Assisted Anti-Jamming Communications Based on Reinforcement Learning 2020 , | | 4 |
| 42 | ReDABLS: Revisiting Device Attestation with Bounded Leakage of Secrets. <i>Lecture Notes in Computer Science</i> , 2013 , 94-114 | 0.9 | 4 |
| 41 | . <i>IEEE Internet of Things Journal</i> , 2021 , 8, 8865-8882 | 10.7 | 4 |
| 40 | Privacy-preserving Crowd-guided AI Decision-making in Ethical Dilemmas 2019 , | | 4 |
| 39 | Secure Beamforming for Multiple Intelligent Reflecting Surfaces Aided mmWave Systems. <i>IEEE Communications Letters</i> , 2021 , 25, 417-421 | 3.8 | 4 |
| 38 | Reconfigurable Intelligent Surface Aided Power Control for Physical-Layer Broadcasting. <i>IEEE Transactions on Communications</i> , 2021 , 1-1 | 6.9 | 4 |
| 37 | Analyzing Resilience of Interest-Based Social Networks Against Node and Link Failures. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2017 , 3, 252-267 | 2.8 | 3 |
| 36 | Designing secure networks with q-composite key predistribution under different link constraints 2017 , | | 3 |
| 35 | Parameter control in predistribution schemes of cryptographic keys 2015 , | | 3 |
| 34 | A Stackelberg Game Approach to Resource Allocation for IRS-aided Communications 2020 , | | 3 |
| 33 | Inconspicuous Adversarial Patches for Fooling Image Recognition Systems on Mobile Devices. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1 | 10.7 | 3 |
| 32 | Adaptive Differentially Private Data Stream Publishing in Spatio-temporal Monitoring of IoT 2019 , | | 3 |
| 31 | A Novel Grant-Based Pilot Access Scheme for Crowded Massive MIMO Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1 | 6.8 | 3 |

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| 30 | Adaptive Resource Allocation in SWIPT-Enabled Cognitive IoT Networks. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1 | 10.7 | 3 |
| 29 | Secrecy Rate Maximization for Reconfigurable Intelligent Surface Aided Millimeter Wave System With Low-Resolution DACs. <i>IEEE Communications Letters</i> , 2021 , 25, 2166-2170 | 3.8 | 3 |
| 28 | Uplink Achievable Rate Maximization for Reconfigurable Intelligent Surface Aided Millimeter Wave Systems With Resolution-Adaptive ADCs. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 1608-1612 | 5.9 | 3 |
| 27 | Efficient Estimation of Heat Kernel PageRank for Local Clustering 2019 , | | 2 |
| 26 | 2015 , | | 2 |
| 25 | Critical behavior in heterogeneous random key graphs 2015 , | | 2 |
| 24 | An Analysis of Blockchain Consistency in Asynchronous Networks: Deriving a Neat Bound 2020 , | | 2 |
| 23 | Privacy-Enhanced Federated Learning with Weighted Aggregation. <i>Communications in Computer and Information Science</i> , 2021 , 93-109 | 0.3 | 2 |
| 22 | Brief Encounters with a Random Key Graph. <i>Lecture Notes in Computer Science</i> , 2013 , 157-161 | 0.9 | 2 |
| 21 | Results on Vertex Degree and K-Connectivity in Uniform S-Intersection Graphs 2014 , | | 2 |
| 20 | UAV-Assisted 5G/6G Networks: Joint Scheduling and Resource Allocation Based on Asynchronous Reinforcement Learning 2021 , | | 2 |
| 19 | DPCrowd: Privacy-Preserving and Communication-Efficient Decentralized Statistical Estimation for Real-Time Crowdsourced Data. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 2775-2791 | 10.7 | 2 |
| 18 | Joint Scheduling Design in Wireless Powered MEC IoT Networks Aided by Reconfigurable Intelligent Surface 2021 , | | 2 |
| 17 | Mobile User Trajectory Tracking for IRS Enabled Wireless Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 8331-8336 | 6.8 | 2 |
| 16 | Efficient Dropout-resilient Aggregation for Privacy-preserving Machine Learning. <i>IEEE Transactions on Information Forensics and Security</i> , 2022 , 1-1 | 8 | 2 |
| 15 | Transitional Behavior of q -Composite Random Key Graphs With Applications to Networked Control. <i>IEEE Transactions on Control of Network Systems</i> , 2018 , 5, 1741-1751 | 4 | 1 |
| 14 | On Secure Communication in Sensor Networks under q -Composite Key Predistribution with Unreliable Links. <i>IEEE Transactions on Communications</i> , 2017 , 1-1 | 6.9 | 1 |
| 13 | POSTER: Blockchain-Based Differential Privacy Cost Management System 2020 , | | 1 |

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| 12 | Intelligent Reflecting Surface-Assisted Bistatic Backscatter Networks: Joint Beamforming and Reflection Design. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 1-1 | 4 | 1 |
| 11 | Deep Reinforcement Learning Based Intelligent Reflecting Surface for Secure Wireless Communications 2020 , | | 1 |
| 10 | Design of Contract-Based Sponsorship Scheme in Stackelberg Game for Sponsored Content Market 2019 , | | 1 |
| 9 | Cyber-physical modelling operator and multimodal vibration in the integrated local vehicle-grid electrical system. <i>Applied Energy</i> , 2021 , 286, 116432 | 10.7 | 1 |
| 8 | Slicing-based Reliable Resource Orchestration for Secure Software Defined Edge-Cloud Computing Systems. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1 | 10.7 | 1 |
| 7 | Distributed Deep Reinforcement Learning Based Spectrum and Power Allocation for Heterogeneous Networks. <i>IEEE Transactions on Wireless Communications</i> , 2022 , 1-1 | 9.6 | 1 |
| 6 | Preserving Privacy Enables Coexistence Equilibrium of Competitive Diffusion in Social Networks. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2017 , 3, 282-297 | 2.8 | 0 |
| 5 | Towards the Future Data Market: Reward Optimization in Mobile Data Subsidization. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2020 , 173-189 | 0.2 | 0 |
| 4 | Secure Hot Path Crowdsourcing with Local Differential Privacy under Fog Computing Architecture. <i>IEEE Transactions on Services Computing</i> , 2020 , 1-1 | 4.8 | |
| 3 | A novel random access scheme for M2M communication in crowded asynchronous massive MIMO systems. <i>IET Communications</i> , 2021 , 15, 1597 | 1.3 | |
| 2 | Towards Efficiently Evaluating the Robustness of Deep Neural Networks in IoT Systems: A GAN-based Method. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1 | 10.7 | |
| 1 | Joint Node Activation, Beamforming and Phase-Shifting Control In IoT Sensor Network Assisted by Reconfigurable Intelligent Surface. <i>IEEE Transactions on Wireless Communications</i> , 2022 , 1-1 | 9.6 | |