# Haichuan Ding

List of Publications by Year
in descending order



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|---|---|---|---|
| 39 papers | 476 citations | 840585 11 h-index | 713332 21 g-index |
| 39 all docs | 39 docs citations | 39 times ranked | 590 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Accurate Angular Inference for 802.11ad Devices Using Beam-Specific Measurements. IEEE Transactions on Mobile Computing, 2022, 21, 822-834. | 3.9 | 2 |
| 2 | Probabilistic Data Prefetching for Data Transportation in Smart Cities. IEEE Internet of Things Journal, 2022, 9, 1655-1666. | 5.5 | 2 |
| 3 | End-to-End Service Auction: A General Double Auction Mechanism for Edge Computing Services. IEEE/ACM Transactions on Networking, 2022, 30, 2616-2629. | 2.6 | 2 |
| 4 | Optimizing IoT Energy Efficiency on Edge (EEE): A Cross-Layer Design in a Cognitive Mesh Network. IEEE Transactions on Wireless Communications, 2021, 20, 2472-2486. | 6.1 | 4 |
| 5 | Outage Analysis for Cooperative mmWave UAV Communications with Beam Training Overhead. IEEE Wireless Communications Letters, 2021, , 1-1. | 3.2 | 3 |
| 6 | Augmenting Transmission Environments for Better Communications: Tunable Reflector Assisted MmWave WLANs. IEEE Transactions on Vehicular Technology, 2020, 69, 7416-7428. | 3.9 | 9 |
| 7 | Energy-Efficient Channel Switching in Cognitive Radio Networks: A Reinforcement Learning Approach. IEEE Transactions on Vehicular Technology, 2020, 69, 12359-12362. | 3.9 | 10 |
| 8 | Energy Minimization of Multi-Cell Cognitive Capacity Harvesting Networks With Neighbor Resource Sharing. IEEE Transactions on Wireless Communications, 2020, 19, 3199-3213. | 6.1 | 6 |
| 9 | Machine Learning-Based Handovers for Sub-6 GHz and mmWave Integrated Vehicular Networks. IEEE Transactions on Wireless Communications, 2019, 18, 4873-4885. | 6.1 | 71 |
| 10 | A Data-Driven Cost-Effective Session-Oriented Cognitive Radio Transmission Scheme Under Spectrum Uncertainty. IEEE Transactions on Vehicular Technology, 2019, 68, 12401-12405. | 3.9 | 7 |
| 11 | Performance Optimization for D2D Communications With Opportunistic Relay and Physical-Layer Network Coding. IEEE Transactions on Vehicular Technology, 2019, 68, 11928-11943. | 3.9 | 8 |
| 12 | Data-Driven Service Provisioning over Shared Spectrums with Statistical QoS Guarantee. , 2019, , . | | 3 |
| 13 | Statistical QoS Provisioning Over Uncertain Shared Spectrums in Cognitive IoT Networks: A Distributionally Robust Data-Driven Approach. IEEE Transactions on Vehicular Technology, 2019, 68, 12286-12300. | 3.9 | 18 |
| 14 | SPATH: Finding the Safest Walking Path in Smart Cities. IEEE Transactions on Vehicular Technology, 2019, 68, 7071-7079. | 3.9 | 13 |
| 15 | Exploiting Wireless Broadcast Advantage for Energy Efficient Packet Overhearing in WiFi. IEEE Transactions on Vehicular Technology, 2019, 68, 3586-3599. | 3.9 | 4 |
| 16 | Collaborative Spectrum Trading and Sharing for Cognitive Radio Networks. , 2019, , 931-968. | | 4 |
| 17 | Energy-Efficient D2D Communications With Dynamic Time-Resource Allocation. IEEE Transactions on Vehicular Technology, 2019, 68, 11985-11999. | 3.9 | 8 |
| 18 | Beef Up the Edge: Spectrum-Aware Placement of Edge Computing Services for the Internet of Things. IEEE Transactions on Mobile Computing, 2019, 18, 2783-2795. | 3.9 | 33 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Low-complexity uplink scheduling algorithms with power control in successive interference cancellation based wireless mud-logging systems. Wireless Networks, 2019, 25, 321-334. | 2.0 | 7 |
| 20 | Smart Cities on Wheels: A Newly Emerging Vehicular Cognitive Capability Harvesting Network for Data Transportation. IEEE Wireless Communications, 2018, 25, 160-169. | 6.6 | 49 |
| 21 | Session-Based Cooperation in Cognitive Radio Networks: A Network-Level Approach. IEEE/ACM Transactions on Networking, 2018, 26, 685-698. | 2.6 | 7 |
| 22 | Access Point Recruitment in a Vehicular Cognitive Capability Harvesting Network: How Much Data Can Be Uploaded?. IEEE Transactions on Vehicular Technology, 2018, 67, 6438-6445. | 3.9 | 9 |
| 23 | Virtual Infrastructure at Traffic Lights: Vehicular Temporary Storage Assisted Data Transportation at Signalized Intersections. IEEE Transactions on Vehicular Technology, 2018, 67, 12452-12456. | 3.9 | 9 |
| 24 | Intelligent Data Transportation in Smart Cities: A Spectrum-Aware Approach. IEEE/ACM Transactions on Networking, 2018, 26, 2598-2611. | 2.6 | 23 |
| 25 | PhyCast: Towards Energy Efficient Packet Overhearing in WiFi Networks. , 2018, , . | | 3 |
| 26 | Mitigating Traffic Analysis Attack in Smartphones with Edge Network Assistance. , 2018, , . | | 2 |
| 27 | A UHF RFID-Based System for Children Tracking. IEEE Internet of Things Journal, 2018, 5, 5055-5064. | 5.5 | 14 |
| 28 | Cognitive Capacity Harvesting Networks: Architectural Evolution Toward Future Cognitive Radio Networks. IEEE Communications Surveys and Tutorials, 2017, 19, 1902-1923. | 24.8 | 53 |
| 29 | Policy-Based Privacy-Preserving Scheme for Primary Users in Database-Driven Cognitive Radio Networks. , 2016, , . | | 7 |
| 30 | On the Performance of HARQ-IR over Nakagami-m Fading Channels in Mobile Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2016, , 1-1. | 3.9 | 6 |
| 31 | An Energy-Efficient Strategy for Secondary Users in Cooperative Cognitive Radio Networks for Green Communications. IEEE Journal on Selected Areas in Communications, 2016, 34, 3195-3207. | 9.7 | 19 |
| 32 | Users First: Service-Oriented Spectrum Auction With a Two-Tier Framework Support. IEEE Journal on Selected Areas in Communications, 2016, 34, 2999-3013. | 9.7 | 28 |
| 33 | Energy-Efficient Secondary Traffic Scheduling with MIMO Beamforming. , 2015, , . | | 2 |
| 34 | An Energy-Efficient Cooperative Strategy for Secondary Users in Cognitive Radio Networks. , 2015, , . | | 3 |
| 35 | A Secure Collaborative Machine Learning Framework Based on Data Locality. , 2015, , . | | 9 |
| 36 | Analysis of HARQ-IR Over Time-Correlated Rayleigh Fading Channels. IEEE Transactions on Wireless Communications, 2015, 14, 7096-7109. | 6.1 | 19 |

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|---|---|---|---|
| 37 | A Secure Collaborative Machine Learning Framework Based on Data Locality. , 2014, , . | | 0 |
| 38 | Energy-Efficient Secondary Traffic Scheduling with MIMO Beamforming. , 2014, , . | | 0 |
| 39 | An Energy-Efficient Cooperative Strategy for Secondary Users in Cognitive Radio Networks. , 2014, , . | | 0 |