# Yong Niu

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5878787/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 47 papers | 2,373 citations | 361413 20 h-index | 265206 42 g-index |
| 47 all docs | 47 docs citations | 47 times ranked | 2546 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A survey of millimeter wave communications (mmWave) for 5G: opportunities and challenges. Wireless Networks, 2015, 21, 2657-2676. | 3.0 | 972 |
| 2 | Exploiting Device-to-Device Communications in Joint Scheduling of Access and Backhaul for mmWave Small Cells. IEEE Journal on Selected Areas in Communications, 2015, 33, 2052-2069. | 14.0 | 121 |
| 3 | Energy-Efficient Scheduling for mmWave Backhauling of Small Cells in Heterogeneous Cellular Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 2674-2687. | 6.3 | 100 |
| 4 | A Comprehensive Survey on Mobility-Aware D2D Communications: Principles, Practice and Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 1863-1886. | 39.4 | 95 |
| 5 | Resource Allocation for Device-to-Device Communications Underlaying Heterogeneous Cellular Networks Using Coalitional Games. IEEE Transactions on Wireless Communications, 2018, 17, 4163-4176. | 9.2 | 91 |
| 6 | Blockage Robust and Efficient Scheduling for Directional mmWave WPANs. IEEE Transactions on Vehicular Technology, 2015, 64, 728-742. | 6.3 | 78 |
| 7 | A Wideband Non-Stationary Air-to-Air Channel Model for UAV Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 1214-1226. | 6.3 | 78 |
| 8 | Reconfigurable Intelligent Surface Assisted Device-to-Device Communications. IEEE Transactions on Wireless Communications, 2021, 20, 2792-2804. | 9.2 | 75 |
| 9 | Impact of UAV Rotation on MIMO Channel Characterization for Air-to-Ground Communication Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 12418-12431. | 6.3 | 72 |
| 10 | Device-to-Device Communications Enabled Energy Efficient Multicast Scheduling in mmWave Small Cells. IEEE Transactions on Communications, 2018, 66, 1093-1109. | 7.8 | 54 |
| 11 | Mobility-Aware Fog Computing in Dynamic Environments: Understandings and Implementation. IEEE Access, 2019, 7, 38867-38879. | 4.2 | 51 |
| 12 | Joint Optimization of Path Planning and Resource Allocation in Mobile Edge Computing. IEEE Transactions on Mobile Computing, 2020, 19, 2129-2144. | 5.8 | 48 |
| 13 | Exploiting Device-to-Device Communications to Enhance Spatial Reuse for Popular Content Downloading in Directional mmWave Small Cells. IEEE Transactions on Vehicular Technology, 2016, 65, 5538-5550. | 6.3 | 43 |
| 14 | Exploiting multi-hop relaying to overcome blockage in directional mmwave small cells. Journal of Communications and Networks, 2016, 18, 364-374. | 2.6 | 42 |
| 15 | Resource Allocation for Device-to-Device Communications in Multi-Cell Multi-Band Heterogeneous Cellular Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 4760-4773. | 6.3 | 38 |
| 16 | Relay-Assisted and QoS Aware Scheduling to Overcome Blockage in mmWave Backhaul Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 1733-1744. | 6.3 | 34 |
| 17 | QoS-aware scheduling for small cell millimeter wave mesh backhaul. , 2016, , . | | 31 |
| 18 | Efficient Hybrid Beamforming With Anti-Blockage Design for High-Speed Railway Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 9643-9655. | 6.3 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Energy-Constrained Computation Offloading in Space-Air-Ground Integrated Networks Using Distributionally Robust Optimization. IEEE Transactions on Vehicular Technology, 2021, 70, 12113-12125. | 6.3 | 28 |
| 20 | Dynamic mmWave beam tracking for high speed railway communications. , 2018, , . | | 27 |
| 21 | QoS-Aware Full-Duplex Concurrent Scheduling for Millimeter Wave Wireless Backhaul Networks. IEEE Access, 2018, 6, 25313-25322. | 4.2 | 24 |
| 22 | Boosting Spatial Reuse via Multiple-Path Multihop Scheduling for Directional mmWave WPANs. IEEE Transactions on Vehicular Technology, 2016, 65, 6614-6627. | 6.3 | 20 |
| 23 | Mobility-Aware Transmission Scheduling Scheme for Millimeter-Wave Cells. IEEE Transactions on Wireless Communications, 2018, 17, 5991-6004. | 9.2 | 20 |
| 24 | Device-to-Device Communications Enabled Multicast Scheduling for mmWave Small Cells Using Multi-Level Codebooks. IEEE Transactions on Vehicular Technology, 2019, 68, 2724-2738. | 6.3 | 20 |
| 25 | A 3D Geometry-Based THz Channel Model for 6G Ultra Massive MIMO Systems. IEEE Transactions on Vehicular Technology, 2022, 71, 2251-2266. | 6.3 | 19 |
| 26 | Energy-Efficient Power Control of Trainâ€“Ground mmWave Communication for High-Speed Trains. IEEE Transactions on Vehicular Technology, 2019, 68, 7704-7714. | 6.3 | 16 |
| 27 | Resource Allocation for Millimeter-Wave Train-Ground Communications in <?brk?>High-Speed Railway Scenarios. IEEE Transactions on Vehicular Technology, 2021, 70, 4823-4838. | 6.3 | 13 |
| 28 | Sub-Channel Allocation for Device-to-Device Underlaying Full-Duplex mmWave Small Cells Using Coalition Formation Games. IEEE Transactions on Vehicular Technology, 2019, 68, 11915-11927. | 6.3 | 12 |
| 29 | A two stage approach for channel transmission rate aware scheduling in directional mmWave WPANs. Wireless Communications and Mobile Computing, 2016, 16, 313-329. | 1.2 | 11 |
| 30 | Low Complexity and Robust Codebook-Based Analog Beamforming for Millimeter Wave MIMO Systems. IEEE Access, 2017, 5, 19824-19834. | 4.2 | 10 |
| 31 | QoS-Aware Bandwidth Allocation and Concurrent Scheduling for Terahertz Wireless Backhaul Networks. IEEE Access, 2020, 8, 125814-125825. | 4.2 | 10 |
| 32 | Content Distribution Based on Joint V2I and V2V Scheduling in mmWave Vehicular Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 3201-3213. | 6.3 | 10 |
| 33 | Mobility-Aware Caching Scheduling for Fog Computing in mmWave Band. IEEE Access, 2018, 6, 69358-69370. | 4.2 | 9 |
| 34 | Coalition Game Based Full-Duplex Popular Content Distribution in mmWave Vehicular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 13836-13848. | 6.3 | 8 |
| 35 | MIMO-Aided Nonlinear Hybrid Transceiver Design for Multiuser Mmwave Systems Relying on Tomlinson-Harashima Precoding. IEEE Transactions on Vehicular Technology, 2021, 70, 6943-6957. | 6.3 | 8 |
| 36 | Deep Reinforcement Learning Coordinated Receiver Beamforming for Millimeter-Wave Train-Ground Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 5156-5171. | 6.3 | 8 |

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|---|---|---|---|
| 37 | Low complexity and near-optimal beam selection for millimeter wave MIMO systems. , 2017, , . | | 7 |
| 38 | Sub-Channel Allocation for Full-Duplex Access and Device-to-Device Links Underlaying Heterogeneous Cellular Networks Using Coalition Formation Games. IEEE Transactions on Vehicular Technology, 2020, 69, 9736-9749. | 6.3 | 7 |
| 39 | Resource Allocation and Computation Offloading in a Millimeter-Wave Train-Ground Network. IEEE Transactions on Vehicular Technology, 2022, 71, 10615-10630. | 6.3 | 6 |
| 40 | Throughput enhancement of IEEE 802.11ad through spaceâ€time division multiple access scheduling of multiple coâ€channel networks. IET Communications, 2016, 10, 425-434. | 2.2 | 5 |
| 41 | Evaluating the Impact of User Behavior on D2D Communications in Millimeter-Wave Small Cells. IEEE Transactions on Vehicular Technology, 2017, 66, 6362-6377. | 6.3 | 5 |
| 42 | Relay Assisted Concurrent Scheduling to Overcome Blockage in Full-Duplex Millimeter Wave Small Cells. IEEE Access, 2019, 7, 105755-105767. | 4.2 | 5 |
| 43 | Device-to-Device Communications Enabled Multicast Scheduling with the Multi-level Codebook in mmWave Small Cells. Mobile Networks and Applications, 2019, 24, 1603-1617. | 3.3 | 5 |
| 44 | Reconfigurable Intelligent Surface Assisted D2D Networks: Power and Discrete Phase Shift Design. , 2020, , . | | 3 |
| 45 | Reduced-routing complexity decoder for high-rate QC-LDPC codes. , 2011, , . | | 2 |
| 46 | Energy-Efficient Full-Duplex Concurrent Scheduling Based on Contention Graph in mmWave Backhaul Networks. IEEE Access, 2019, 7, 178007-178019. | 4.2 | 2 |
| 47 | Coalition Game Based User Association for mmWave Mobile Relay Systems in Rail Traffic Scenarios. IEEE Transactions on Vehicular Technology, 2021, 70, 10528-10540. | 6.3 | 2 |