

Maged Elkashlan

List of Publications by Year in descending order

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141
papers

13,398
citations

34076

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142
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142
docs citations

142
times ranked

7071
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Beamforming-Based Mitigation of Hovering Inaccuracy in UAV-Aided RFET. IEEE Transactions on Communications, 2022, 70, 2691-2706. | 4.9 | 1 |
| 2 | Optimization of Grant-Free NOMA With Multiple Configured-Grants for mMURLLC. IEEE Journal on Selected Areas in Communications, 2022, 40, 1222-1236. | 9.7 | 16 |
| 3 | Active RIS Versus Passive RIS: Which is Superior With the Same Power Budget?. IEEE Communications Letters, 2022, 26, 1150-1154. | 2.5 | 86 |
| 4 | Minimizing Task Offloading Delay in NOMA-MEC Wireless Systems. , 2022, , . | | 3 |
| 5 | Dynamic Aerial Base Station Placement for Minimum-Delay Communications. IEEE Internet of Things Journal, 2021, 8, 1623-1635. | 5.5 | 17 |
| 6 | Fifty Years of Noise Modeling and Mitigation in Power-Line Communications. IEEE Communications Surveys and Tutorials, 2021, 23, 41-69. | 24.8 | 23 |
| 7 | RACH in Self-Powered NB-IoT Networks: Energy Availability and Performance Evaluation. IEEE Transactions on Communications, 2021, 69, 1750-1764. | 4.9 | 3 |
| 8 | Analysis of Random Access in NB-IoT Networks With Three Coverage Enhancement Groups: A Stochastic Geometry Approach. IEEE Transactions on Wireless Communications, 2021, 20, 549-564. | 6.1 | 17 |
| 9 | Analyzing Grant-Free Access for URLLC Service. IEEE Journal on Selected Areas in Communications, 2021, 39, 741-755. | 9.7 | 85 |
| 10 | Stochastic Learning-Based Robust Beamforming Design for RIS-Aided Millimeter-Wave Systems in the Presence of Random Blockages. IEEE Transactions on Vehicular Technology, 2021, 70, 1057-1061. | 3.9 | 45 |
| 11 | Communication-and-Computing Latency Minimization for UAV-Enabled Virtual Reality Delivery Systems. IEEE Transactions on Communications, 2021, 69, 1723-1735. | 4.9 | 33 |
| 12 | Reconfigurable Intelligent Surfaces for 6G Systems: Principles, Applications, and Research Directions. IEEE Communications Magazine, 2021, 59, 14-20. | 4.9 | 354 |
| 13 | Resource Allocation for Intelligent Reflecting Surface Aided Wireless Powered Mobile Edge Computing in OFDM Systems. IEEE Transactions on Wireless Communications, 2021, 20, 5389-5407. | 6.1 | 103 |
| 14 | Reconfigurable Intelligent Surface-Aided MISO Systems with Statistical CSI: Channel Estimation, Analysis and Optimization : (Invited Paper). , 2021, , . | | 11 |
| 15 | Secure Communications for UAV-Enabled Mobile Edge Computing Systems. IEEE Transactions on Communications, 2020, 68, 376-388. | 4.9 | 163 |
| 16 | Joint Power and Blocklength Optimization for URLLC in a Factory Automation Scenario. IEEE Transactions on Wireless Communications, 2020, 19, 1786-1801. | 6.1 | 115 |
| 17 | Multicell MIMO Communications Relying on Intelligent Reflecting Surfaces. IEEE Transactions on Wireless Communications, 2020, 19, 5218-5233. | 6.1 | 589 |
| 18 | Joint Transmit Power and Placement Optimization for URLLC-Enabled UAV Relay Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 8003-8007. | 3.9 | 61 |

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| 19 | Resource Allocation for Secure URLLC in Mission-Critical IoT Scenarios. IEEE Transactions on Communications, 2020, 68, 5793-5807. | 4.9 | 81 |
| 20 | Intelligent Reflecting Surface Aided MIMO Broadcasting for Simultaneous Wireless Information and Power Transfer. IEEE Journal on Selected Areas in Communications, 2020, 38, 1719-1734. | 9.7 | 507 |
| 21 | Joint Pilot and Payload Power Allocation for Massive-MIMO-Enabled URLLC IIoT Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 816-830. | 9.7 | 88 |
| 22 | Latency Minimization for Intelligent Reflecting Surface Aided Mobile Edge Computing. IEEE Journal on Selected Areas in Communications, 2020, 38, 2666-2682. | 9.7 | 305 |
| 23 | Offloading Optimization for Low-Latency Secure Mobile Edge Computing Systems. IEEE Wireless Communications Letters, 2020, 9, 480-484. | 3.2 | 29 |
| 24 | Transmit Power Minimization for Secure Short-packet Transmission in a Mission-Critical IoT Scenario. , 2020, , . | | 1 |
| 25 | Resource Allocation for URLLC in 5G Mission-Critical IoT Networks. , 2019, , . | | 19 |
| 26 | Markov Model Based Energy Harvesting for RACH Analysis in NB-IoT Network. , 2019, , . | | 3 |
| 27 | Weighted Sum-Rate Maximization for the Ultra-Dense User-Centric TDD C-RAN Downlink Relying on Imperfect CSI. IEEE Transactions on Wireless Communications, 2019, 18, 1182-1198. | 6.1 | 32 |
| 28 | Achievable Data Rate for URLLC-Enabled UAV Systems With 3-D Channel Model. IEEE Wireless Communications Letters, 2019, 8, 1587-1590. | 3.2 | 82 |
| 29 | Interference Mitigation in Large-Scale Multiuser Molecular Communication. IEEE Transactions on Communications, 2019, 67, 4088-4103. | 4.9 | 18 |
| 30 | Physical Layer Security in Uplink NOMA Multi-Antenna Systems With Randomly Distributed Eavesdroppers. IEEE Access, 2019, 7, 70422-70435. | 2.6 | 27 |
| 31 | Robust Beamforming Design for Ultra-Dense User-Centric C-RAN in the Face of Realistic Pilot Contamination and Limited Feedback. IEEE Transactions on Wireless Communications, 2019, 18, 780-795. | 6.1 | 33 |
| 32 | Clustered Millimeter-Wave Networks With Non-Orthogonal Multiple Access. IEEE Transactions on Communications, 2019, 67, 4350-4364. | 4.9 | 39 |
| 33 | Detection of Jamming Attack in Non-Coherent Massive SIMO Systems. IEEE Transactions on Information Forensics and Security, 2019, 14, 2387-2399. | 4.5 | 19 |
| 34 | Joint Blocklength and Location Optimization for URLLC-Enabled UAV Relay Systems. IEEE Communications Letters, 2019, 23, 498-501. | 2.5 | 149 |
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| 38 | Joint Pilot Allocation and Robust Transmission Design for Ultra-Dense User-Centric TDD C-RAN With Imperfect CSI. IEEE Transactions on Wireless Communications, 2018, 17, 2038-2053. | 6.1 | 43 |
| 39 | Power Control for Multi-Cell Networks With Non-Orthogonal Multiple Access. IEEE Transactions on Wireless Communications, 2018, 17, 927-942. | 6.1 | 62 |
| 40 | Energy-Efficient D2D Communications Underlying NOMA-Based Networks With Energy Harvesting. IEEE Communications Letters, 2018, 22, 914-917. | 2.5 | 84 |
| 41 | Joint Power Allocation in Interference-Limited Networks via Distributed Coordinated Learning. , 2018, , . | | 5 |
| 42 | Transceiver Observations in Asymmetric and Symmetric Diffusive Molecular Communication Systems. , 2018, , . | | 3 |
| 43 | The Non-Coherent Ultra-Dense C-RAN Is Capable of Outperforming Its Coherent Counterpart at a Limited Fronthaul Capacity. IEEE Journal on Selected Areas in Communications, 2018, 36, 2549-2560. | 9.7 | 23 |
| 44 | Power- and Rate-Adaptation Improves the Effective Capacity of C-RAN for Nakagami- m Fading Channels. IEEE Transactions on Vehicular Technology, 2018, 67, 10841-10855. | 3.9 | 10 |
| 45 | Enhancing the Reliability of Large-Scale Multiuser Molecular Communication Systems. , 2018, , . | | 1 |
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| 47 | Edge Caching in Dense Heterogeneous Cellular Networks With Massive MIMO-Aided Self-Backhaul. IEEE Transactions on Wireless Communications, 2018, 17, 6360-6372. | 6.1 | 24 |
| 48 | Joint Altitude, Beamwidth, Location, and Bandwidth Optimization for UAV-Enabled Communications. IEEE Communications Letters, 2018, 22, 1716-1719. | 2.5 | 112 |
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| 50 | Massive MIMO in Spectrum Sharing Networks: Achievable Rate and Power Efficiency. IEEE Systems Journal, 2017, 11, 20-31. | 2.9 | 51 |
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| 52 | Reed Solomon Codes for Molecular Communication With a Full Absorption Receiver. IEEE Communications Letters, 2017, 21, 1245-1248. | 2.5 | 25 |
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| 55 | Enabling Energy Efficient Molecular Communication via Molecule Energy Transfer. IEEE Communications Letters, 2017, 21, 254-257. | 2.5 | 27 |
| 56 | Matching With Peer Effects for Context-Aware Resource Allocation in D2D Communications. IEEE Communications Letters, 2017, 21, 837-840. | 2.5 | 23 |
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| 58 | Massive Multiuser MIMO in Heterogeneous Cellular Networks With Full Duplex Small Cells. IEEE Transactions on Communications, 2017, 65, 4704-4719. | 4.9 | 32 |
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| 62 | Analyzing Large-Scale Multiuser Molecular Communication via 3-D Stochastic Geometry. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2017, 3, 118-133. | 1.4 | 62 |
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| 70 | Fairness of User Clustering in MIMO Non-Orthogonal Multiple Access Systems. IEEE Communications Letters, 2016, , 1-1. | 2.5 | 129 |
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| 92 | Guest Editorial Location-Awareness for Radios and Networks, Part I. IEEE Journal on Selected Areas in Communications, 2015, 33, 1285-1287. | 9.7 | 3 |
| 93 | Generalized Selection Combining for Cognitive Relay Networks Over Nakagami- m Fading. IEEE Transactions on Signal Processing, 2015, 63, 1993-2006. | 3.2 | 63 |
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| 132 | Exact and Asymptotic SER of Distributed TAS/MRC in MIMO Relay Networks. IEEE Transactions on Wireless Communications, 2011, 10, 751-756. | 6.1 | 42 |
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| 136 | Outage Probability of Multiuser Relay Networks in Nakagami- m Fading Channels. IEEE Transactions on Vehicular Technology, 2010, 59, 2120-2132. | 3.9 | 91 |
| 137 | On the Exact and Asymptotic SER of Receive Diversity With Multiple Amplify-and-Forward Relays. IEEE Transactions on Vehicular Technology, 2010, 59, 4602-4608. | 3.9 | 22 |
| 138 | On the SER of Fixed Gain Amplify-and-Forward Relaying with Beamforming in Nakagami- m Fading. IEEE Communications Letters, 2010, 14, 942-944. | 2.5 | 25 |
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| 140 | Selection based resource allocation for decentralized multi-user communications. Physical Communication, 2008, 1, 194-208. | 1.2 | 2 |
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