

Youssef Nasser

List of Publications by Year in descending order

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Version: 2024-02-01

109
papers

1,550
citations

759233

12
h-index

377865

34
g-index

111
all docs

111
docs citations

111
times ranked

1907
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Recent Advances in Indoor Localization: A Survey on Theoretical Approaches and Applications. IEEE Communications Surveys and Tutorials, 2017, 19, 1327-1346. | 39.4 | 638 |
| 2 | Wireless Body Area Network (WBAN). ACM Computing Surveys, 2018, 50, 1-38. | 23.0 | 138 |
| 3 | A Survey of Limitations and Enhancements of the IPv6 Routing Protocol for Low-Power and Lossy Networks: A Focus on Core Operations. IEEE Communications Surveys and Tutorials, 2019, 21, 1607-1635. | 39.4 | 92 |
| 4 | Recent advances on artificial intelligence and learning techniques in cognitive radio networks. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, . | 2.4 | 89 |
| 5 | Reliability and Energy Efficiency Enhancement for Emergency-Aware Wireless Body Area Networks (WBANs). IEEE Transactions on Green Communications and Networking, 2018, 2, 804-816. | 5.5 | 47 |
| 6 | MOSAIC: Simultaneous Localization and Environment Mapping Using mmWave Without A-Priori Knowledge. IEEE Access, 2018, 6, 68932-68947. | 4.2 | 42 |
| 7 | VANET Aided D2D Discovery: Delay Analysis and Performance. IEEE Transactions on Vehicular Technology, 2017, 66, 8059-8071. | 6.3 | 31 |
| 8 | Quasi-Optimal Tone Reservation PAPR Reduction Algorithm for Next Generation Broadcasting Systems: A Performance/Complexity/Latency Tradeoff With Testbed Implementation. IEEE Transactions on Broadcasting, 2018, 64, 883-899. | 3.2 | 22 |
| 9 | Blind spectrum sensing using symmetry property of cyclic autocorrelation function: from theory to practice. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, . | 2.4 | 19 |
| 10 | New dynamic, reliable and energy efficient scheduling for wireless body area networks (WBAN). , 2017, , . | | 19 |
| 11 | Global Optimal Resource Allocation for Efficient FD-D2D Enabled Cellular Network. IEEE Access, 2019, 7, 59690-59707. | 4.2 | 18 |
| 12 | A Novel Adaptive and Efficient Routing Update Scheme for Low-Power Lossy Networks in IoT. IEEE Internet of Things Journal, 2018, 5, 5177-5189. | 8.7 | 17 |
| 13 | EVM Closed-Form Expression for OFDM Signals With Tone Reservation-Based PAPR Reduction. IEEE Transactions on Wireless Communications, 2020, 19, 2352-2366. | 9.2 | 17 |
| 14 | On the performance evaluation of MIMO-SCMA systems. , 2016, , . | | 16 |
| 15 | Performance analysis of repetition-based decode-and-forward relaying over asymmetric fading channels. , 2010, , . | | 14 |
| 16 | 3D MIMO scheme for broadcasting future digital TV in single-frequency networks. Electronics Letters, 2008, 44, 829. | 1.0 | 11 |
| 17 | Spectral Overlap Optimization for DVB-T2 and LTE Coexistence. IEEE Transactions on Broadcasting, 2018, 64, 70-84. | 3.2 | 11 |
| 18 | Global Ergodic Capacity Closed-Form Expression of Coexisting DVB-LTE-Like Systems. , 2014, , . | | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Tone Reservation Based PAPR Reduction Technique with Individual Carrier Power Allocation for Multiple Peaks Reduction. , 2015, , . | | 10 |
| 20 | Simple and Accurate Closed-Form Approximation of the Standard Condition Number Distribution with Application in Spectrum Sensing. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 351-362. | 0.3 | 10 |
| 21 | Sensitivity of OFDM-CDMA Systems to Carrier Frequency Offset. , 2006, , . | | 9 |
| 22 | SINR based network selection strategy in integrated heterogeneous networks. , 2012, , . | | 9 |
| 23 | Drizzle: Adaptive and fair route maintenance algorithm for Low-power and Lossy Networks in IoT. , 2017, , . | | 9 |
| 24 | Full-Duplex or Half-Duplex D2D Mode? Closed Form Expression of the Optimal Power Allocation. , 2018, , . | | 9 |
| 25 | Efficient MIMO-OFDM Schemes for Future Terrestrial Digital TV with Unequal Received Powers. , 2008, , . | | 8 |
| 26 | Hybrid positioning data fusion in heterogeneous networks with critical hearability. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, . | 2.4 | 8 |
| 27 | Dynamic SDN controllers-switches mapping for load balancing and controller failure handling. , 2017, , . | | 8 |
| 28 | Closed Form Expressions for the Probability Density Function of the Interference Power in PPP Networks. , 2018, , . | | 8 |
| 29 | Lattice Reduction-aided Minimum Mean Square Error K-Best detection for MIMO systems. , 2012, , . | | 7 |
| 30 | On the performance evaluation of Eigenvalue-based spectrum sensing detector for MIMO systems. , 2014, , . | | 7 |
| 31 | On the system level prediction of joint time frequency spreading systems with carrier phase noise. IEEE Transactions on Communications, 2010, 58, 839-850. | 7.8 | 6 |
| 32 | A novel combined PAPR reduction and channel estimation approach for OFDM systems. , 2010, , . | | 6 |
| 33 | Ergodic capacity optimization in coexisting DVB-LTE-like systems. , 2014, , . | | 6 |
| 34 | PAPR reduction technique using pilot symbols for OFDM systems. European Transactions on Telecommunications, 2010, 21, 435-442. | 1.2 | 5 |
| 35 | Layered space-time block code for hybrid satellite-terrestrial broadcasting systems. International Journal of Satellite Communications and Networking, 2012, 30, 113-129. | 1.8 | 5 |
| 36 | On the hybrid localization in heterogeneous networks with lack of hearability. , 2013, , . | | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | A high gain antenna with a single-layer metamaterial superstrate. , 2013, , . | | 5 |
| 38 | Recent Advances on Radio-Frequency Design in Cognitive Radio. International Journal of Antennas and Propagation, 2016, 2016, 1-16. | 1.2 | 5 |
| 39 | A low latency algorithm for efficient PAPR reduction for DVB-T2 and ATSC 3.0 broadcast. , 2017, , . | | 5 |
| 40 | Advances in DOA Estimation and Source Localization. International Journal of Antennas and Propagation, 2017, 2017, 1-3. | 1.2 | 5 |
| 41 | ELASTIC- Enabling Massive-Antenna for Joint Spectrum Sensing and Sharing: How Many Antennas Do We Need?. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 267-280. | 7.9 | 5 |
| 42 | Bit error rate prediction of coded MIMO-OFDM systems. , 2008, , . | | 4 |
| 43 | Double Layer Space-Time Block Code for Hybrid Satellite-Terrestrial Broadcasting Systems. , 2009, , . | | 4 |
| 44 | PAPR Reduction Approach Based on Channel Estimation Pilots for Next Generations Broadcasting Systems. International Journal of Digital Multimedia Broadcasting, 2011, 2011, 1-17. | 0.6 | 4 |
| 45 | Impact of mobility on the performance of dynamic cooperative communications in SC-FDMA systems. , 2011, , . | | 4 |
| 46 | Power control optimization for tone reservation based PAPR reduction algorithms. , 2014, , . | | 4 |
| 47 | An SDR platform using direction finding and statistical analysis for the detection of interferers. , 2016, , . | | 4 |
| 48 | FREDDY: A framework for VANET aided D2D discovery. , 2016, , . | | 4 |
| 49 | Analysis of outage performance of opportunistic AF OFDM relaying in Nakagami-m channels. , 2016, , . | | 4 |
| 50 | Approximating the standard condition number for cognitive radio spectrum sensing with finite number of sensors. IET Signal Processing, 2017, 11, 145-154. | 1.5 | 4 |
| 51 | Simultaneous context inference and mapping using mm-Wave for indoor scenarios. , 2017, , . | | 4 |
| 52 | A Novel Statistical Model of OFDM Signals with Optimal Tone Reservation PAPR Reduction for EVM Theoretical Analysis. , 2018, , . | | 4 |
| 53 | Analysis of Hybrid Broadcast/Broadband Networks With Multiple Broadcasting Stations. IEEE Access, 2019, 7, 141226-141240. | 4.2 | 4 |
| 54 | 2D linear precoded OFDM for future mobile digital video broadcasting. , 2008, , . | | 3 |

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|----|---|-----|-----------|
| 55 | Power Spectral Analysis of Orthogonal Pulse-Based TH-UWB Signals. , 2010, , . | | 3 |
| 56 | Algebraic hybrid satellite-terrestrial space-time codes for digital broadcasting in SFN. , 2011, , . | | 3 |
| 57 | Enhanced mobile digital video broadcasting with distributed space-time coding. , 2012, , . | | 3 |
| 58 | Wavelet denoising in cooperative and NonCooperative spectrum sensing. , 2013, , . | | 3 |
| 59 | Are side-band tones beneficial for PAPR reduction in FBMC?. , 2015, , . | | 3 |
| 60 | On the capacity optimization of D2D underlying cellular communications. , 2016, , . | | 3 |
| 61 | A closed-form outage probability of opportunistic AF OFDMA relaying over Rician fading channel. , 2016, , . | | 3 |
| 62 | An approximation for the distribution of the peak-to-average power ratio in carrier-aggregated OFDM signals using level crossing rate analysis. , 2017, , . | | 3 |
| 63 | Near optimal linear-service oriented resource allocation strategy for LTE networks. , 2017, , . | | 3 |
| 64 | Analytical Study of the Probability of Coverage in Hybrid Broadcast-Unicast Networks. , 2018, , . | | 3 |
| 65 | Geometric Approach in Simultaneous Context Inference, Localization and Mapping using mm-Wave. , 2018, , . | | 3 |
| 66 | Gain Enhancement of Antenna Arrays with Beamsteering. , 2018, , . | | 3 |
| 67 | Frequency Estimation of Multiple Components using Chinese Remainder Theorem. , 2018, , . | | 3 |
| 68 | A novel channel estimation based on spread pilots for terrestrial digital video broadcasting. , 2008, , . | | 2 |
| 69 | Sensitivity of Multicarrier Two-Dimensional Spreading Schemes to Synchronization Errors. Eurasip Journal on Wireless Communications and Networking, 2008, 2008, . | 2.4 | 2 |
| 70 | Positioning information based technique in cooperative MIMO-OFDM systems. , 2009, , . | | 2 |
| 71 | Performance analysis of heterogeneous networks based on SINR selection strategy. , 2013, , . | | 2 |
| 72 | Closed-form expression of the ergodic capacity in a cognitive radio link under power constraints. , 2014, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | On the coherent precoding performance for downlink CoMP-MIMO networks. , 2014, , . | | 2 |
| 74 | On the evaluation of geometric localization using Recursive Maximum Likelihood estimation. , 2014, , . | | 2 |
| 75 | Mobile relay node in public transportation for serving outside LTE cell edge users. , 2015, , . | | 2 |
| 76 | K-best branch and bound technique for the MINLP resource allocation in multi-user OFDM systems. , 2015, , . | | 2 |
| 77 | On the detection probability of the standard condition number detector in finite-dimensional cognitive radio context. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, . | 2.4 | 2 |
| 78 | Outage performance of opportunistic AF OFDM relaying over Rician fading channel. , 2016, , . | | 2 |
| 79 | Mobile TV directed resource allocation scheme for LTE networks. , 2017, , . | | 2 |
| 80 | A cooperative and roadside unit-aided localization scheme for vehicular ad hoc networks. , 2017, , . | | 2 |
| 81 | Power Efficiency of the Hybrid Broadcast Unicast Network with Suitable Resource Allocation. , 2018, , . | | 2 |
| 82 | Coordinated multipoint in dense heterogeneous networks with overlapping microcell expanded regions and its effect on backhaul links. Physical Communication, 2018, 29, 230-244. | 2.1 | 2 |
| 83 | Ergodic capacity analysis and transmission power optimization in D2D underlying cellular communication. Physical Communication, 2019, 34, 144-156. | 2.1 | 2 |
| 84 | A Simple Formulation for the Distribution of the Scaled Largest Eigenvalue and Application to Spectrum Sensing. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2016, , 284-293. | 0.3 | 2 |
| 85 | On the coexistence of broadcast and unicast in hybrid networks for the transmission of video services using stochastic geometry. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, . | 2.4 | 2 |
| 86 | On the influence of carrier frequency offset and sampling frequency offset in MIMO-OFDM systems for future digital TV. , 2008, , . | | 1 |
| 87 | Efficient 3D space time space block code for future terrestrial digital TV. , 2008, , . | | 1 |
| 88 | Robustness of MIMO-OFDM schemes for future digital TV to carrier frequency offset. , 2008, , . | | 1 |
| 89 | Coded BER Based Algorithm for Decode and Forward in Cooperative OFDM Systems. , 2009, , . | | 1 |
| 90 | Effect of RF impairments on spectrum sensing techniques. , 2014, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | A simplified hard output sphere decoder for large MIMO systems with the use of efficient search center and reduced domain neighborhood study. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2015, 2015, . | 2.4 | 1 |
| 92 | A multi-band-reconfigurable antenna using split-ring resonators. , 2015, , . | | 1 |
| 93 | Involving already deployed RNs in joint processing coordinated multipoint. , 2016, , . | | 1 |
| 94 | Tactile localization in mm-WAVE systems: Channel measurements requirements, challenges and opportunities. , 2017, , . | | 1 |
| 95 | 3D Localization and Mapping using mm-Wave: What are the Opportunities in Vehicular and Indoor Environments?. , 2018, , . | | 1 |
| 96 | Performance Analysis of Relayed D2D Communications under Power Control. , 2020, , . | | 1 |
| 97 | A Joint Channel and Carrier Frequency Offset Estimation Based on Spread Pilot for Future Broadcasting Systems. <i>Lecture Notes in Electrical Engineering</i> , 2009, , 153-161. | 0.4 | 1 |
| 98 | Optimization of the Number of Signaling Links in Intelligent Large-Scale Networks. <i>Lecture Notes in Computer Science</i> , 2011, , 116-125. | 1.3 | 1 |
| 99 | Sensitivity of Multi Carrier 2 Dimensional Spreading Systems to Carrier Phase Noise. , 2006, , . | | 0 |
| 100 | Efficient Space Code Block Code MIMO Channel Estimation for Future Mobile Video Broadcasting. , 2009, , . | | 0 |
| 101 | Geo-location aided cooperative communications. , 2010, , . | | 0 |
| 102 | Effect of mobility on the performance of Amplify-and-Forward cooperation in SC-FDMA systems. , 2012, , . | | 0 |
| 103 | Location aided carrier frequency offset estimation for uplink OFDMA systems. , 2012, , . | | 0 |
| 104 | Design of interleaved sequences for joint channel estimation and PAPR reduction. , 2013, , . | | 0 |
| 105 | New digital block implementation algorithm for MIMO channel hardware simulator. , 2013, , . | | 0 |
| 106 | DISCUE: Distributed caching framework at the user equipment (UE) in LTE networks. , 2015, , . | | 0 |
| 107 | Capacity maximization in HetNets with Reverse TDD scheme. , 2016, , . | | 0 |
| 108 | On the ergodic capacity in multicarrier cognitive radio systems under power constraints. , 2017, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|----|-----------|
| 109 | Game-Theoretic Based Power Allocation for a Full Duplex D2D Network. , 2019, , . | | 0 |