

List of Publications by Year in
Descending Order

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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.

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|-------------------|-----------------------|----------------|----------------|
| 73 papers | 437 citations | 11 h-index | 17 g-index |
| 85 ext. papers | 567 ext. citations | 2.4 avg, IF | 4.7 L-index |

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 73 | Performance Analysis of NOMA-Based Underlay Cognitive Radio Networks With Partial Relay Selection. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 4615-4630 | 6.8 | 11 |
| 72 | Full/half duplex cooperative relaying NOMA network under power splitting based SWIPT: Performance analysis and optimization. <i>Physical Communication</i> , 2021 , 46, 101335 | 2.2 | 1 |
| 71 | Performance analysis of power splitting SWIPT-enabled full duplex cooperative NOMA system with direct link. <i>IET Communications</i> , 2021 , 15, 1028-1044 | 1.3 | 0 |
| 70 | Outage and Throughput Analysis of Full Duplex Cooperative NOMA System with Energy Harvesting. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1 | 6.8 | 0 |
| 69 | Ensuring equal outage performance for down-link secondary users in full/half duplex cognitive NOMA systems. <i>IET Communications</i> , 2020 , 14, 63-75 | 1.3 | 4 |
| 68 | Non-orthogonal multiple access in full-duplex-based coordinated direct and relay transmission (CDRT) system: performance analysis and optimization. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2020 , 2020, | 3.2 | 6 |
| 67 | Combining contention-based access and dynamic service period allocation for performance improvement in IEEE 802.11ad mmWave WLAN. <i>International Journal of Communication Systems</i> , 2020 , 33, e4304 | 1.7 | 1 |
| 66 | Throughput Analysis of Energy Harvesting Enabled Incremental Relaying NOMA System. <i>IEEE Communications Letters</i> , 2020 , 24, 1419-1423 | 3.8 | 14 |
| 65 | Multihop full duplex relaying with coherent signaling: Outage probability analysis and power optimization. <i>Ad Hoc Networks</i> , 2020 , 97, 102027 | 4.8 | 1 |
| 64 | Fair and efficient resource allocation in IEEE 802.11ah WLAN with heterogeneous data rates. <i>Computer Communications</i> , 2020 , 151, 154-164 | 5.1 | 7 |
| 63 | Cooperative NOMA system with incremental relaying and energy harvesting: Performance analysis and optimization. <i>Transactions on Emerging Telecommunications Technologies</i> , 2020 , 31, e4075 | 1.9 | 1 |
| 62 | Power Adaptation for Improving the Performance of Time Switching SWIPT-Based Full-Duplex Cooperative NOMA Network. <i>IEEE Communications Letters</i> , 2020 , 24, 2956-2960 | 3.8 | 2 |
| 61 | . <i>IEEE Transactions on Mobile Computing</i> , 2020 , 1-1 | 4.6 | 1 |
| 60 | Performance analysis of nonorthogonal multiple access-based underlay cognitive relay network. <i>International Journal of Communication Systems</i> , 2019 , 32, e3976 | 1.7 | 1 |
| 59 | Outage Performance Comparison of Dual-Hop Full Duplex Underlay Cognitive Relay Networks. <i>Wireless Personal Communications</i> , 2019 , 106, 1135-1160 | 1.9 | |
| 58 | Outage Probability Analysis and Optimization of Cognitive Full-Duplex Relay Networks. <i>Wireless Personal Communications</i> , 2019 , 105, 1329-1352 | 1.9 | 2 |
| 57 | Outage analysis of underlay cognitive NOMA system with cooperative full duplex relaying. <i>Transactions on Emerging Telecommunications Technologies</i> , 2019 , 30, e3701 | 1.9 | 1 |

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|----|---|-----|----|
| 56 | Optimal power allocation for energy-efficient full-duplex cognitive relay networks under primary interference. <i>IET Communications</i> , 2019 , 13, 3317-3325 | 1.3 | 7 |
| 55 | Full/Half Duplex Cooperative NOMA Under Imperfect Successive Interference Cancellation and Channel State Estimation Errors. <i>IEEE Access</i> , 2019 , 7, 179961-179984 | 3.5 | 30 |
| 54 | Performance analysis of IEEE 802.11ah wireless local area network under the restricted access window-based mechanism. <i>International Journal of Communication Systems</i> , 2019 , 32, e3888 | 1.7 | 5 |
| 53 | Performance analysis of energy harvesting cognitive relay networks with primary interference. <i>Telecommunication Systems</i> , 2018 , 68, 445-459 | 2.3 | 5 |
| 52 | Variable Beam Width Selection for Improving the Throughput of IEEE 802.11ad Wireless LAN in the Contention Based Access Period. <i>International Journal of Wireless Information Networks</i> , 2018 , 25, 57-71 | 1.9 | 2 |
| 51 | Optimization of decode-and-forward multihop full duplex relay networks under residual-self-interference. <i>Ad Hoc Networks</i> , 2018 , 80, 81-94 | 4.8 | 1 |
| 50 | Dual-hop full duplex relay networks over composite fading channels: Power and location optimization. <i>Physical Communication</i> , 2018 , 30, 1-14 | 2.2 | 2 |
| 49 | Improving the performance of hybrid multiple access scheme in millimeter wave wireless personal area networks. <i>Computer Communications</i> , 2018 , 127, 158-171 | 5.1 | 1 |
| 48 | Outage probability analysis and optimal transmit power allocation for multi-hop full duplex relay network over Nakagami-m fading channels. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2018 , 2018, | 3.2 | 1 |
| 47 | A Hybrid ARQ scheme combining erasure codes and selective retransmissions for reliable data transfer in underwater acoustic sensor networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2017 , 2017, | 3.2 | 7 |
| 46 | Link residual lifetime-based next hop selection scheme for vehicular ad hoc networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2017 , 2017, | 3.2 | 15 |
| 45 | Performance Modeling of Link Duration in Vehicular Ad Hoc Networks Under Weibull Fading Channel Conditions. <i>Wireless Personal Communications</i> , 2017 , 96, 6047-6068 | 1.9 | 1 |
| 44 | Relay Placement for Coverage Extension in Cellular Wireless Networks Under Composite Fading Model. <i>International Journal of Wireless Information Networks</i> , 2017 , 24, 329-343 | 1.9 | 1 |
| 43 | Relay location optimization in cognitive full-duplex relay networks 2017 , | | 1 |
| 42 | Energy optimal channel attempt rate and packet size for ALOHA based underwater acoustic sensor networks. <i>Telecommunication Systems</i> , 2017 , 65, 429-442 | 2.3 | 2 |
| 41 | Erasure Codes Based Adaptive Multi-hop Reliable Data Transfer for Underwater Acoustic Sensor Networks. <i>Wireless Personal Communications</i> , 2017 , 94, 579-604 | 1.9 | 4 |
| 40 | Theoretical maximum throughput of IEEE 802.11ad millimeter wave wireless LAN in the contention based access period: With two level aggregation 2017 , | | 6 |
| 39 | Energy consumption analysis of modulation schemes in IEEE 802.15.6-based wireless body area networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2016 , 2016, | 3.2 | 8 |

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|----|--|-----|----|
| 38 | Improving aggregate utility in IEEE 802.11p based vehicle-to-infrastructure networks. <i>Telecommunication Systems</i> , 2016 , 61, 359-385 | 2.3 | 3 |
| 37 | Energy efficiency analysis of IEEE 802.15.6 based wireless body area networks in scheduled access mode. <i>Wireless Networks</i> , 2016 , 22, 1441-1459 | 2.5 | 4 |
| 36 | Saturation throughput analysis of IEEE 802.11ad wireless LAN in the contention based access period(CBAP) 2016 , | | 2 |
| 35 | Improving energy efficiency performance of ALOHA based underwater acoustic sensor networks 2016 , | | 3 |
| 34 | Enhancing Reliability of IEEE 802.15.6 Wireless Body Area Networks in Scheduled Access Mode and Error Prone Channels. <i>Wireless Personal Communications</i> , 2016 , 89, 93-118 | 1.9 | 3 |
| 33 | Modeling and Analysis of Link Duration in Vehicular Ad Hoc Networks Under Different Fading Channel Conditions. <i>International Journal of Wireless Information Networks</i> , 2015 , 22, 157-170 | 1.9 | 1 |
| 32 | Performance analysis of erasure coding based data transfer in Underwater Acoustic Sensor Networks 2015 , | | 4 |
| 31 | Improving energy efficiency of incremental relay based cooperative communications in wireless body area networks. <i>International Journal of Communication Systems</i> , 2015 , 28, 91-111 | 1.7 | 30 |
| 30 | A Probabilistic Model for Link Duration in Vehicular Ad Hoc Networks under Rayleigh Fading Channel Conditions 2015 , | | 4 |
| 29 | Optimal hop position-based minimum energy routing protocol for underwater acoustic sensor networks. <i>Journal of Engineering</i> , 2015 , 2015, 187-196 | 0.7 | 0 |
| 28 | Performance evaluation of cooperative communication in WBANs with maximal ratio combining 2015 , | | 1 |
| 27 | Prediction of link residual lifetime using Kalman filter in vehicular ad hoc networks 2015 , | | 1 |
| 26 | Frame length optimization in IEEE 802.15.6 UWB cooperative body area networks 2015 , | | 3 |
| 25 | Link Reliability Based Greedy Perimeter Stateless Routing for Vehicular Ad Hoc Networks. <i>International Journal of Vehicular Technology</i> , 2015 , 2015, 1-16 | | 15 |
| 24 | Minimizing the Total Energy Consumption in Multi-hop UWASNs. <i>Wireless Personal Communications</i> , 2015 , 83, 2693-2709 | 1.9 | 3 |
| 23 | Model for Path Duration in Vehicular Ad Hoc Networks under Greedy Forwarding Strategy. <i>Procedia Computer Science</i> , 2015 , 48, 394-400 | 1.6 | 4 |
| 22 | Performance Evaluation of Forward Error Correction Schemes in Wireless Body Area Networks. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 469-478 | 0.4 | |
| 21 | Analysis of Link Life Time in Vehicular Ad Hoc Networks for Free-Flow Traffic State. <i>Wireless Personal Communications</i> , 2014 , 75, 81-102 | 1.9 | 10 |

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|----|---|-----|----|
| 20 | Proportional fair resource allocation in vehicle-to-infrastructure networks for drive-thru Internet applications. <i>Computer Communications</i> , 2014 , 40, 33-50 | 5.1 | 18 |
| 19 | Optimal packet size for energy efficient WBAN under m-periodic scheduled access mode 2014 , | | 10 |
| 18 | A probabilistic model for communication link reliability in vehicular ad hoc networks 2014 , | | 2 |
| 17 | Computation of minimum transmit power for network connectivity in vehicular ad hoc networks formed by vehicles with random communication range. <i>International Journal of Communication Systems</i> , 2014 , 27, 931-955 | 1.7 | 4 |
| 16 | Analytical model for connectivity of vehicular ad hoc networks in the presence of channel randomness. <i>International Journal of Communication Systems</i> , 2013 , 26, 927-946 | 1.7 | 16 |
| 15 | Connectivity Analysis of Vehicular Ad Hoc Networks from a Physical Layer Perspective. <i>Wireless Personal Communications</i> , 2013 , 71, 45-70 | 1.9 | 14 |
| 14 | 2013 , | | 7 |
| 13 | Probability distribution of link life time in vehicular ad hoc networks 2013 , | | 5 |
| 12 | Tuning transmission opportunity (TXOP) limits for providing bit-based fairness in IEEE 802.11p V2I networks 2012 , | | 3 |
| 11 | Packet size optimization for energy efficient cooperative Wireless Body Area Networks 2012 , | | 9 |
| 10 | Selection of minimum transmit power for network connectivity in Vehicular Ad Hoc Networks 2012 , | | 3 |
| 9 | Maximizing the data transmission rate of a cooperative relay system in an underwater acoustic channel. <i>International Journal of Communication Systems</i> , 2012 , 25, 231-253 | 1.7 | 15 |
| 8 | Network Connectivity Probability of Linear Vehicular Ad Hoc Networks on Two-Way Street. <i>Communications and Network</i> , 2012 , 04, 332-341 | 0.6 | 8 |
| 7 | Bit-Based Fairness in IEEE802.11p MAC for Vehicle-to-Infrastructure Networks. <i>Lecture Notes in Computer Science</i> , 2012 , 328-337 | 0.9 | |
| 6 | Network connectivity of one-dimensional Vehicular Ad hoc Network 2011 , | | 11 |
| 5 | Node Isolation Probability of Wireless Adhoc Networks in Nakagami Fading Channel. <i>International Journal of Computer Networks and Communications</i> , 2010 , 2, 21-36 | 0.7 | 3 |
| 4 | Fairness Analysis of IEEE 802.11 Multirate Wireless LANs. <i>IEEE Transactions on Vehicular Technology</i> , 2007 , 56, 3073-3088 | 6.8 | 50 |
| 3 | Service Differentiation Schemes in IEEE 802.11 Wireless LANs with Variable Frame Size. <i>International Journal of Computers and Applications</i> , 2007 , 29, 187-195 | 0.8 | 1 |

2 Maximizing Aggregate Saturation Throughput in IEEE 802.11 Wireless LAN with Service
Differentiation **2007**, 503-514

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