# Akhil Gupta

## List of Publications by Citations



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|---|---|---|---|
| 27 papers | 1,482 citations | 7 h-index | 35 g-index |
| 35 ext. papers | 2,069 ext. citations | 2.7 avg, IF | 5.66 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 27 | A Survey of 5G Network: Architecture and Emerging Technologies. *IEEE Access*, **2015**, 3, 1206-1232 | 3.5 | 1318 |
| 26 | A survey on energy efficient 5G green network with a planned multi-tier architecture. *Journal of Network and Computer Applications*, **2018**, 118, 1-28 | 7.9 | 30 |
| 25 | Implementation of Intrusion Detection System using Adaptive Neuro-Fuzzy Inference System for 5G wireless communication network. *AEU - International Journal of Electronics and Communications*, **2017**, 74, 94-106 | 2.8 | 27 |
| 24 | Bandwidth Spoofing and Intrusion Detection System for Multistage 5G Wireless Communication Network. *IEEE Transactions on Vehicular Technology*, **2018**, 67, 618-632 | 6.8 | 27 |
| 23 | Power optimization using massive MIMO and small cells approach in different deployment scenarios. *Wireless Networks*, **2017**, 23, 959-973 | 2.5 | 13 |
| 22 | Attack modeling and intrusion detection system for 5G wireless communication network. *International Journal of Communication Systems*, **2017**, 30, e3237 | 1.7 | 10 |
| 21 | Security threats of wireless networks: A survey **2015**, | | 8 |
| 20 | Power optimization using optimal small cell arrangements in different deployment scenarios. *International Journal of Communication Systems*, **2017**, 30, e3279 | 1.7 | 5 |
| 19 | User Association, Power Control and Channel Access Schemes for Two-Tier Macro-Femto Networks: CDF of SINR Analysis. *IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)*, **2020**, 1-12 | 1.5 | 5 |
| 18 | Energy-Efficient Adaptive Sectorization for 5G Green Wireless Communication Systems. *IEEE Systems Journal*, **2020**, 14, 2382-2391 | 4.3 | 5 |
| 17 | Power and energy optimization with reduced complexity in different deployment scenarios of massive MIMO network. *International Journal of Communication Systems*, **2019**, 32, e3907 | 1.7 | 4 |
| 16 | Higher Order QAM Schemes in 5G UFMC system **2020**, | | 4 |
| 15 | Adaptive NOMA towards 5G green wireless network. *Transactions on Emerging Telecommunications Technologies*, **2020**, 31, e3887 | 1.9 | 3 |
| 14 | Energy and spectral efficiency optimization using probabilistic based spectrum slicing (PBSS) in different zones of 5G wireless communication network. *Telecommunication Systems*, **2020**, 73, 59-73 | 2.3 | 3 |
| 13 | Security Architecture of 5G Wireless Communication Network. *International Journal of Sensors, Wireless Communications and Control*, **2018**, 8, 92-99 | 0.4 | 3 |
| 12 | Performance Analysis of Grouped Multilevel Space-Time Trellis Coding Technique Using Cognitive Radio in Different Deployment Models. *Wireless Communications and Mobile Computing*, **2019**, 2019, 1-20 | 1.9 | 2 |
| 11 | Error Analysis of Grouped Multilevel Space-Time Trellis Coding with the Combined Application of Massive MIMO and Cognitive Radio. *Wireless Personal Communications*, **2021**, 117, 461-482 | 1.9 | 2 |

# List of Publications

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|---|---|---|---|
| 10 | 3T-FASDM: Linear discriminant analysis-based three-tier face anti-spoofing detection model using support vector machine. *International Journal of Communication Systems*, **2020**, 33, e4441 | 1.7 | 1 |
| 9 | Performance Analysis of Space Time Trellis Codes in Rayleigh Fading Channel. *Advances in Intelligent Systems and Computing*, **2019**, 957-967 | 0.4 | 1 |
| 8 | Performance Evaluation of Spatial Multiplexing Using Different Modulation Techniques in MIMO System for Small and Large Scale Fading Channel. *International Journal of Sensors, Wireless Communications and Control*, **2019**, 9, 188-202 | 0.4 | 1 |
| 7 | . *IEEE Network*, **2020**, 34, 281-287 | 11.4 | 1 |
| 6 | Performance Evaluation of Different Channel Estimation Techniques in MIMO System for Hata Channel Model **2018**, | | 1 |
| 5 | Performance Analysis at different millimetre wave frequencies for indoor shopping complex and outdoor UAV applications towards 5G. *Microprocessors and Microsystems*, **2022**, 90, 104506 | 2.4 | 1 |
| 4 | Power optimization with low complexity using scaled beamforming approach for a massive MIMO and small cell scenario. *Wireless Networks*, **2020**, 26, 1165-1176 | 2.5 | 0 |
| 3 | Performance Evaluation of Cooperative OMA and NOMA Systems in 6G Deployment Scenarios. *Sensors*, **2022**, 22, 3986 | 3.8 | 0 |
| 2 | Security enhancement in cellular networks employing D2D friendly jammer for V2V communication. *Cluster Computing*,1 | 2.1 | |
| 1 | Optimization of Spectral Efficiency in Massive MIMO Network for Different Deployment Scenarios. *International Journal of Sensors, Wireless Communications and Control*, **2021**, 11, 700-714 | 0.4 | |