# Qammer H Abbasi

List of Publications by Year
in descending order

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|---|---|---|---|
| 460<br>papers | 8,184<br>citations | 66343<br>42<br>h-index | 85541<br>71<br>g-index |
| 511<br>all docs | 511<br>docs citations | 511<br>times ranked | 6594<br>citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Microwave and Terahertz Sensing. , 2023, , 489-496. | | 1 |
| 2 | Battery Recharging Time Models for Reconfigurable Intelligent Surfaces-Assisted Wireless Power Transfer Systems. IEEE Transactions on Green Communications and Networking, 2022, 6, 1173-1185. | 5.5 | 8 |
| 3 | Monitoring of neck activity for early warning of cervical spondylosis. Mathematical Biosciences and Engineering, 2022, 19, 792-811. | 1.9 | 1 |
| 4 | Intrusion Detection Framework for the Internet of Things Using a Dense Random Neural Network. IEEE Transactions on Industrial Informatics, 2022, 18, 6435-6444. | 11.3 | 33 |
| 5 | Machine learning enabled identification and real-time prediction of living plants' stress using terahertz waves. Defence Technology, 2022, 18, 1330-1339. | 4.2 | 7 |
| 6 | IMU Sensing–Based Hopfield Neuromorphic Computing for Human Activity Recognition. Frontiers in Communications and Networks, 2022, 2, . | 3.0 | 0 |
| 7 | Multiple Participants' Discrete Activity Recognition in a Well-Controlled Environment Using Universal Software Radio Peripheral Wireless Sensing. Sensors, 2022, 22, 809. | 3.8 | 10 |
| 8 | Machine learning empowered COVID-19 patient monitoring using non-contact sensing: An extensive review. Journal of Pharmaceutical Analysis, 2022, 12, 193-204. | 5.3 | 30 |
| 9 | Two-Dimensional Materials for Future Terahertz Wireless Communications. IEEE Open Journal of Antennas and Propagation, 2022, 3, 217-228. | 3.7 | 13 |
| 10 | Challenges, Applications, and Future of Wireless Sensors in Internet of Things: A Review. IEEE Sensors Journal, 2022, 22, 5482-5494. | 4.7 | 105 |
| 11 | Novel Privacy Preserving Non-Invasive Sensing-Based Diagnoses of Pneumonia Disease Leveraging Deep Network Model. Sensors, 2022, 22, 461. | 3.8 | 10 |
| 12 | Data Fusion for Human Activity Recognition Based on RF Sensing and IMU Sensor. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 3-14. | 0.3 | 0 |
| 13 | Elderly Care - Human Activity Recognition Using Radar with an Open Dataset and Hybrid Maps. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 39-51. | 0.3 | 2 |
| 14 | Indoor Activity Position and Direction Detection Using Software Defined Radios. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 15-27. | 0.3 | 0 |
| 15 | Non-Contact Smart Sensing of Physical Activities during Quarantine Period Using SDR Technology. Sensors, 2022, 22, 1348. | 3.8 | 7 |
| 16 | A Novel Integration of Face-Recognition Algorithms with a Soft Voting Scheme for Efficiently Tracking Missing Person in Challenging Large-Gathering Scenarios. Sensors, 2022, 22, 1153. | 3.8 | 10 |
| 17 | A lightweight cell switching and traffic offloading scheme for energy optimization in ultra-dense heterogeneous networks. Physical Communication, 2022, 52, 101643. | 2.1 | 4 |
| 18 | Solar Irradiance Forecasting Using a Data-Driven Algorithm and Contextual Optimisation. Applied Sciences (Switzerland), 2022, 12, 134. | 2.5 | 14 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | IoT Based Fall Detection System for Elderly Healthcare. Studies in Computational Intelligence, 2022, , 209-232. | 0.9 | 6 |
| 20 | Non-Invasive Localization Using Software-Defined Radios. IEEE Sensors Journal, 2022, 22, 9018-9026. | 4.7 | 8 |
| 21 | Terahertz-Based Joint Communication and Sensing for Precision Agriculture: A 6G Use-Case. Frontiers in Communications and Networks, 2022, 3, . | 3.0 | 7 |
| 22 | Millimeter-Wave Smart Antenna Solutions for URLLC in Industry 4.0 and Beyond. Sensors, 2022, 22, 2688. | 3.8 | 17 |
| 23 | Design and Evaluation of a Button Sensor Antenna for On-Body Monitoring Activity in Healthcare Applications. Micromachines, 2022, 13, 475. | 2.9 | 4 |
| 24 | Cheyne-Stokes Respiration Perception via Machine Learning Algorithms. Electronics (Switzerland), 2022, 11, 958. | 3.1 | 1 |
| 25 | Terahertz Metastructures for Noninvasive Biomedical Sensing and Characterization in Future Health Care [Bioelectromagnetics]. IEEE Antennas and Propagation Magazine, 2022, 64, 60-70. | 1.4 | 4 |
| 26 | Data Transmission Enhancement Using Optimal Coding Technique Over *In Vivo* Channel for Interbody Communication. Big Data, 2022, , . | 3.4 | 6 |
| 27 | Adaptive Diagonal Loading Technique to Improve Direction of Arrival Estimation Accuracy for Linear Antenna Array Sensors. IEEE Sensors Journal, 2022, 22, 10986-10994. | 4.7 | 4 |
| 28 | A Covariance Matrix Reconstruction Approach for Single Snapshot Direction of Arrival Estimation. Sensors, 2022, 22, 3096. | 3.8 | 5 |
| 29 | Integration of Spatial Modulation Scheme With Code Division Multiple Access for VIVO Based Frequency Selective Nano Sensor Networks. IEEE Sensors Journal, 2022, 22, 12245-12252. | 4.7 | 0 |
| 30 | Intelligent Handover Algorithm for Vehicle-to-Network Communications With Double-Deep Q-Learning. IEEE Transactions on Vehicular Technology, 2022, 71, 7848-7862. | 6.3 | 9 |
| 31 | Revenue Maximization Through Cell Switching and Spectrum Leasing in 5G HetNets. IEEE Access, 2022, 10, 48301-48317. | 4.2 | 2 |
| 32 | Current Sheet Antenna Array and 5G: Challenges, Recent Trends, Developments, and Future Directions. Sensors, 2022, 22, 3329. | 3.8 | 4 |
| 33 | 3D Printed Slotted Waveguide Antenna Array for Millimeter-wave Communication Systems. , 2022, , . | | 1 |
| 34 | A Bio-degradable Textile-Based Graphene Antenna for the 5G Smart Wearables. , 2022, , . | | 0 |
| 35 | Flexible and Wearable Terahertz Antenna for Future Wireless Communication. , 2022, , . | | 0 |
| 36 | Indoor localization using software defined radio: A non-invasive approach. , 2022, , . | | 0 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 37 | Tracking Missing Person in Large Crowd Gathering Using Intelligent Video Surveillance. Sensors, 2022, 22, 5270. | 3.8 | 7 |
| 38 | High Gain Compact UWB Antenna for Ground Penetrating Radar Detection and Soil Inspection. Sensors, 2022, 22, 5183. | 3.8 | 6 |
| 39 | Intelligent wireless walls for contactless in-home monitoring. Light: Science and Applications, 2022, 11, . | 16.6 | 23 |
| 40 | Wireless on Walls: Revolutionizing the future of health care. IEEE Antennas and Propagation Magazine, 2021, 63, 87-93. | 1.4 | 12 |
| 41 | A Review on the State of the Art in Atrial Fibrillation Detection Enabled by Machine Learning. IEEE Reviews in Biomedical Engineering, 2021, 14, 219-239. | 18.0 | 55 |
| 42 | A Cooperative Massive MIMO System for Future <i>In Vivo</i> Nanonetworks. IEEE Systems Journal, 2021, 15, 331-337. | 4.6 | 14 |
| 43 | A Fast Blocking Matrix Generating Algorithm for Generalized Sidelobe Canceller Beamformer in High Speed Rail Like Scenario. IEEE Sensors Journal, 2021, 21, 15775-15783. | 4.7 | 7 |
| 44 | Performance enhancement of safety message communication via designing dynamic power control mechanisms in vehicular ad hoc networks. Computational Intelligence, 2021, 37, 1286-1308. | 3.2 | 7 |
| 45 | Toward Convergence of AI and IoT for Energy-Efficient Communication in Smart Homes. IEEE Internet of Things Journal, 2021, 8, 9664-9671. | 8.7 | 21 |
| 46 | Contactless Finger Tapping Detection at C-Band. IEEE Sensors Journal, 2021, 21, 5249-5258. | 4.7 | 13 |
| 47 | Privacy-Preserving Wandering Behavior Sensing in Dementia Patients Using Modified Logistic and Dynamic Newton Leipnik Maps. IEEE Sensors Journal, 2021, 21, 3669-3679. | 4.7 | 23 |
| 48 | Effective age of information in real-time wireless feedback control systems. Science China Information Sciences, 2021, 64, 1. | 4.3 | 5 |
| 49 | Review on frequency reconfigurable antenna using substrate-integrated waveguide for cognitive radio application. Journal of Electromagnetic Waves and Applications, 2021, 35, 958-990. | 1.6 | 11 |
| 50 | Fully Fabric High Impedance Surface-Enabled Antenna for Wearable Medical Applications. IEEE Access, 2021, 9, 6948-6960. | 4.2 | 23 |
| 51 | A multiband circular polarization selective metasurface for microwave applications. Scientific Reports, 2021, 11, 1774. | 3.3 | 15 |
| 52 | A Survey of Machine Learning Applications to Handover Management in 5G and Beyond. IEEE Access, 2021, 9, 45770-45802. | 4.2 | 44 |
| 53 | Non-Invasive RF Sensing for Detecting Breathing Abnormalities Using Software Defined Radios. IEEE Sensors Journal, 2021, 21, 5111-5118. | 4.7 | 19 |
| 54 | High Gain Triple-Band Metamaterial-Based Antipodal Vivaldi MIMO Antenna for 5G Communications. Micromachines, 2021, 12, 250. | 2.9 | 10 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 55 | Millimetre-Wave Metamaterial-Based Sensor for Characterisation of Cooking Oils. International Journal of Antennas and Propagation, 2021, 2021, 1-10. | 1.2 | 14 |
| 56 | An Angularly Stable Anisotropic Metasurface for Polarization Conversion Applications. , 2021, , . | | 1 |
| 57 | Miniaturized Meander-Line Dipole Antenna For Short-Range Wireless Communication Networks. , 2021, , . | | 1 |
| 58 | Full Ground Ultra-Wideband Wearable Textile Antenna for Breast Cancer and Wireless Body Area Network Applications. Micromachines, 2021, 12, 322. | 2.9 | 55 |
| 59 | DEKCS: A Dynamic Clustering Protocol to Prolong Underwater Sensor Networks. IEEE Sensors Journal, 2021, 21, 9457-9464. | 4.7 | 51 |
| 60 | Compact Elliptical UWB Antenna for Underwater Wireless Communications. Micromachines, 2021, 12, 411. | 2.9 | 13 |
| 61 | Design and Evaluation of a Flexible Dual-Band Meander Line Monopole Antenna for On- and Off-Body Healthcare Applications. Micromachines, 2021, 12, 475. | 2.9 | 13 |
| 62 | Clinical Recognition of Sensory Ataxia and Cerebellar Ataxia. Frontiers in Human Neuroscience, 2021, 15, 639871. | 2.0 | 8 |
| 63 | Microwave Imaging of Breast Skin Utilizing Elliptical UWB Antenna and Reverse Problems Algorithm. Micromachines, 2021, 12, 647. | 2.9 | 10 |
| 64 | Design of Portable Exoskeleton Forearm for Rehabilitation of Monoparesis Patients Using Tendon Flexion Sensing Mechanism for Health Care Applications. Electronics (Switzerland), 2021, 10, 1279. | 3.1 | 6 |
| 65 | A Review on Wearable and Contactless Sensing for COVID-19 With Policy Challenges. Frontiers in Communications and Networks, 2021, 2, . | 3.0 | 17 |
| 66 | Securing the Insecure: A First-Line-of-Defense for Body-Centric Nanoscale Communication Systems Operating in THz Band. Sensors, 2021, 21, 3534. | 3.8 | 3 |
| 67 | Wireless Communication and Power Harvesting in Wearable Contact Lens Sensors. IEEE Sensors Journal, 2021, 21, 12484-12497. | 4.7 | 18 |
| 68 | Radar Sensing for Activity Classification in Elderly People Exploiting Micro-Doppler Signatures Using Machine Learning. Sensors, 2021, 21, 3881. | 3.8 | 30 |
| 69 | 6G Opportunities Arising from Internet of Things Use Cases: A Review Paper. Future Internet, 2021, 13, 159. | 3.8 | 33 |
| 70 | Public Perception of the Fifth Generation of Cellular Networks (5G) on Social Media. Frontiers in Big Data, 2021, 4, 640868. | 2.9 | 3 |
| 71 | RF Sensing Based Breathing Patterns Detection Leveraging USRP Devices. Sensors, 2021, 21, 3855. | 3.8 | 18 |
| 72 | Uniform Magnetic Field Characteristics Based UHF RFID Tag for Internet of Things Applications. Electronics (Switzerland), 2021, 10, 1603. | 3.1 | 8 |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 73 | Wideband Crescent-Shaped Slotted Printed Antenna with Radiant Circular Polarisation. International Journal of Antennas and Propagation, 2021, 2021, 1-12. | 1.2 | 3 |
| 74 | Hybrid Workload Enabled and Secure Healthcare Monitoring Sensing Framework in Distributed Fog-Cloud Network. Electronics (Switzerland), 2021, 10, 1974. | 3.1 | 15 |
| 75 | Autonomous D2D Transmission Scheme in URLLC for Real-Time Wireless Control Systems. IEEE Transactions on Communications, 2021, 69, 5546-5558. | 7.8 | 16 |
| 76 | Editorial for the Special Issue on Security and Sensing Devices for Healthcare Technologies. Micromachines, 2021, 12, 1028. | 2.9 | 0 |
| 77 | Suitability of NB-IoT for Indoor Industrial Environment: A Survey and Insights. Sensors, 2021, 21, 5284. | 3.8 | 21 |
| 78 | Contactless Small-Scale Movement Monitoring System Using Software Defined Radio for Early Diagnosis of COVID-19. IEEE Sensors Journal, 2021, 21, 17180-17188. | 4.7 | 33 |
| 79 | 5G-enabled contactless multi-user presence and activity detection for independent assisted living. Scientific Reports, 2021, 11, 17590. | 3.3 | 22 |
| 80 | Discrete Human Activity Recognition and Fall Detection by Combining FMCW RADAR Data of Heterogeneous Environments for Independent Assistive Living. Electronics (Switzerland), 2021, 10, 2237. | 3.1 | 32 |
| 81 | Notice of Retraction: Infrared Sensing Based Non-Invasive Initial Diagnosis of Chronic Liver Disease Using Ensemble Learning. IEEE Sensors Journal, 2021, 21, 19395-19406. | 4.7 | 18 |
| 82 | Wireless Channel Modelling for Identifying Six Types of Respiratory Patterns With SDR Sensing and Deep Multilayer Perceptron. IEEE Sensors Journal, 2021, 21, 20833-20840. | 4.7 | 20 |
| 83 | A multifunctional ultrathin flexible bianisotropic metasurface with miniaturized cell size. Scientific Reports, 2021, 11, 18426. | 3.3 | 5 |
| 84 | Impact of Inter-Gateway Distance on LoRaWAN Performance. Electronics (Switzerland), 2021, 10, 2197. | 3.1 | 5 |
| 85 | Making assembly line in supply chain robust and secure using UHF RFID. Scientific Reports, 2021, 11, 18041. | 3.3 | 23 |
| 86 | Portable UWB RADAR Sensing System for Transforming Subtle Chest Movement Into Actionable Micro-Doppler Signatures to Extract Respiratory Rate Exploiting ResNet Algorithm. IEEE Sensors Journal, 2021, 21, 23518-23526. | 4.7 | 17 |
| 87 | An Ultrawideband Microfabricated Gold-Based Antenna Array for Terahertz Communication. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2156-2160. | 4.0 | 18 |
| 88 | A Miniaturized Series Fed Tri-Slot Coplanar Vivaldi Antenna for RADAR Application With Reduced Ground Plane Effect. IEEE Open Journal of Antennas and Propagation, 2021, 2, 949-953. | 3.7 | 0 |
| 89 | Comparative Analysis of Discrete Time Simulations and Stochastic Geometry Models of a Single Gateway LoRaWAN Network. , 2021, , . |  | 0 |
| 90 | Design and Implementation of a Contactless AI-enabled Human Motion Detection System for Next-Generation Healthcare. , 2021, , . |  | 4 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 91 | Edge Intelligence in Private Mobile Networks for Next-Generation Railway Systems. Frontiers in Communications and Networks, 2021, 2, . | 3.0 | 7 |
| 92 | Improving Machine Learning Classification Accuracy for Breathing Abnormalities by Enhancing Dataset. Sensors, 2021, 21, 6750. | 3.8 | 16 |
| 93 | Identifying the Lack of Energy-Conscious Behaviour in Clinical and Non-Clinical Settings: An NHS Case Study. Electronics (Switzerland), 2021, 10, 2468. | 3.1 | 4 |
| 94 | Substrate Integrated Waveguide Antenna System for 5G In-Band Full Duplex Applications. Electronics (Switzerland), 2021, 10, 2456. | 3.1 | 3 |
| 95 | A Bra Monitoring System Using a Miniaturized Wearable Ultra-Wideband MIMO Antenna for Breast Cancer Imaging. Electronics (Switzerland), 2021, 10, 2563. | 3.1 | 16 |
| 96 | Ultra-Low-Power, High-Accuracy 434 MHz Indoor Positioning System for Smart Homes Leveraging Machine Learning Models. Entropy, 2021, 23, 1401. | 2.2 | 3 |
| 97 | Reconfigurable Reflectarray Antenna: A Comparison between Design Using PIN Diodes and Liquid Crystals. Wireless Communications and Mobile Computing, 2021, 2021, 1-8. | 1.2 | 4 |
| 98 | Optimising Electrical Power Supply Sustainability Using a Grid-Connected Hybrid Renewable Energy Systemâ€"An NHS Hospital Case Study. Energies, 2021, 14, 7084. | 3.1 | 7 |
| 99 | Machine Learning Enabled Food Contamination Detection Using RFID and Internet of Things System. Journal of Sensor and Actuator Networks, 2021, 10, 63. | 3.9 | 10 |
| 100 | Wireless Infrastructure in the Transportation Market and the Challenges. SpringerBriefs in Applied Sciences and Technology, 2021, , 5-22. | 0.4 | 0 |
| 101 | Guest Editorial: Special Cluster on Antenna Considerations for Future Millimeter-Wave and Terahertz Wireless Systems. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2130-2135. | 4.0 | 0 |
| 102 | Impact of IoT on Manufacturing Industry 4.0: A New Triangular Systematic Review. Sustainability, 2021, 13, 12506. | 3.2 | 47 |
| 103 | A Novel Subspace-Averaging Direction of Arrival Estimation Technique. , 2021, , . | | 0 |
| 104 | AI-Based Fall Detection Using Contactless Sensing. , 2021, , . | | 0 |
| 105 | Human Activity Recognition based on Collaboration of Vision and WiFi Signals. , 2021, , . | | 2 |
| 106 | Employing Machine Learning for Predicting Transportation Modes Under the COVID-19 Pandemic: A Mobility-Trends Analysis. , 2021, , . | | 0 |
| 107 | 2.75-Bit Reflecting Unit Cell Design for Reconfigurable Intelligent Surfaces. , 2021, , . | | 4 |
| 108 | Three-Port Lorentz Resonance Based Permittivity Sensor and Microwave Comparator. , 2021, , . | | 0 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 109 | Design Of A Compact Ultra-Wideband Microstrip Antenna for Millimeter-Wave Communication. , 2021, , . | | 3 |
| 110 | Folded Terahertz Antenna based on $MoS_{2}$ and Gold for Biomedical Imaging. , 2021, , . | | 0 |
| 111 | Reflecting Metasurface Unit Cell Design with Multi-Bit Azimuthal Control. , 2021, , . | | 3 |
| 112 | A Miniaturized Wideband 3 dB Rat-Race Coupler Utilizing Meander Lines. , 2021, , . | | 0 |
| 113 | Compact Magnetically Symmetric Antenna Design for Implantable Biomedical Applications. , 2021, , . | | 2 |
| 114 | Improving Throughput For Mobile Receivers Using Adaptive Beamforming. , 2021, , . | | 2 |
| 115 | AI-based Real-time Classification of Human Activity using Software Defined Radios. , 2021, , . | | 2 |
| 116 | A wideband miniaturized 3 dB hybrid coupler for passive beam switching application. , 2021, , . | | 0 |
| 117 | Wearable Metamaterial Dual-Polarized High Isolation UWB MIMO Vivaldi Antenna for 5G and Satellite Communications. Micromachines, 2021, 12, 1559. | 2.9 | 11 |
| 118 | Enhancing Wave Propagation via Contextual Beamforming. , 2021, , . | | 1 |
| 119 | Design and development of a multi-functional bi-anisotropic metasurface with ultra-wide out of band transmission. Scientific Reports, 2021, 11, 24244. | 3.3 | 6 |
| 120 | Dual-band Microstrip Patch Antenna for Fully-Wireless Smart Stent. , 2021, , . | | 2 |
| 121 | Platform Tolerant UHF RFID Tag Design using Multi-resonant Surface for Supply Chain Visibility. , 2021, , . | | 0 |
| 122 | The Challenges in Implementing Wearable Antennas for Large-Scale Health Monitoring. , 2021, , . | | 0 |
| 123 | Diagnosis of the Hypopnea syndrome in the early stage. Neural Computing and Applications, 2020, 32, 855-866. | 5.6 | 32 |
| 124 | Machine Learning Driven Approach Towards the Quality Assessment of Fresh Fruits Using Non-Invasive Sensing. IEEE Sensors Journal, 2020, 20, 2075-2083. | 4.7 | 57 |
| 125 | Channel impulse responseâ€based source localization in a diffusionâ€based molecular communication system. Internet Technology Letters, 2020, 3, e143. | 1.9 | 5 |
| 126 | An Overview of Electromagnetic Band-Gap Integrated Wearable Antennas. IEEE Access, 2020, 8, 7641-7658. | 4.2 | 66 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 127 | Non-Invasive Hydration Level Estimation in Human Body Using Galvanic Skin Response. IEEE Sensors Journal, 2020, 20, 4891-4900. | 4.7 | 24 |
| 128 | Artificial Intelligence-Powered Mobile Edge Computing-Based Anomaly Detection in Cellular Networks. IEEE Transactions on Industrial Informatics, 2020, 16, 4986-4996. | 11.3 | 33 |
| 129 | A Wideband Beamforming Antenna Array for 802.11ac and 4.9 GHz in Modern Transportation Market. IEEE Transactions on Vehicular Technology, 2020, 69, 2659-2670. | 6.3 | 16 |
| 130 | ENG and NZRI Characteristics of Decagonal-Shaped Metamaterial for Wearable Applications. , 2020, , . | | 1 |
| 131 | Recent Advances of Wearable Antennas in Materials, Fabrication Methods, Designs, and Their Applications: State-of-the-Art. Micromachines, 2020, 11, 888. | 2.9 | 54 |
| 132 | Review and Critical Analysis of Privacy-Preserving Infection Tracking and Contact Tracing. Frontiers in Communications and Networks, 2020, 1, . | 3.0 | 8 |
| 133 | A Review of the State of the Art in Non-Contact Sensing for COVID-19. Sensors, 2020, 20, 5665. | 3.8 | 64 |
| 134 | A Systematic Review of Non-Contact Sensing for Developing a Platform to Contain COVID-19. Micromachines, 2020, 11, 912. | 2.9 | 22 |
| 135 | A Recursive Calibration Approach for Smart Antenna Beamforming Frontend. , 2020, , . | | 2 |
| 136 | Energy and Performance Trade-Off Optimization in Heterogeneous Computing via Reinforcement Learning. Electronics (Switzerland), 2020, 9, 1812. | 3.1 | 22 |
| 137 | The Role of Artificial Intelligence Driven 5G Networks in COVID-19 Outbreak: Opportunities, Challenges, and Future Outlook. Frontiers in Communications and Networks, 2020, 1, . | 3.0 | 28 |
| 138 | Mobility Management-Based Autonomous Energy-Aware Framework Using Machine Learning Approach in Dense Mobile Networks. Signals, 2020, 1, 170-187. | 1.9 | 10 |
| 139 | An Efficient and Robust Antenna Combined with Electromagnetic Band-Gap Structure for Wearable Medical Application. Journal of Physics: Conference Series, 2020, 1529, 022108. | 0.4 | 3 |
| 140 | Link Between Sustainability and Industry 4.0: Trends, Challenges and New Perspectives. IEEE Access, 2020, 8, 140079-140096. | 4.2 | 134 |
| 141 | Design and Characterization of T/R Module for Commercial Beamforming Applications. IEEE Access, 2020, 8, 130252-130262. | 4.2 | 8 |
| 142 | Selfâ€Powered Implantable Medical Devices: Photovoltaic Energy Harvesting Review. Advanced Healthcare Materials, 2020, 9, e2000779. | 7.6 | 107 |
| 143 | Multi-User Position Based on Trajectories-Aware Handover Strategy for Base Station Selection with Multi-Agent Learning. , 2020, , . | | 5 |
| 144 | Machine Learning Driven Method for Indoor Positioning Using Inertial Measurement Unit. , 2020, , . | | 3 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 145 | Sensor Aided Beamforming in Vehicular Environment. , 2020, , . | | 0 |
| 146 | Preventing Identity Attacks in RFID Backscatter Communication Systems: A Physical-layer Approach. , 2020, , . | | 4 |
| 147 | IoT enabled Smart Lighting System using STM32 microcontroller with high performance ARM<sup>®</sup> Cortex<sup>®</sup>-M3 core. , 2020, , . | | 1 |
| 148 | Travelers-Tracing and Mobility Profiling Using Machine Learning in Railway Systems. , 2020, , . | | 16 |
| 149 | Bit Error Rate Performance of In-vivo Radio Channel Using Maximum Likelihood Sequence Estimation. , 2020, , . | | 5 |
| 150 | Terahertz Antenna Array Based on a Hybrid Perovskite Structure. IEEE Open Journal of Antennas and Propagation, 2020, 1, 464-471. | 3.7 | 17 |
| 151 | Flexible and Scalable Software Defined Radio Based Testbed for Large Scale Body Movement. Electronics (Switzerland), 2020, 9, 1354. | 3.1 | 9 |
| 152 | High Performance Big Data Graph Analytics Leveraging Near Memory System. , 2020, , . | | 0 |
| 153 | IoT Enabled Smart Security Framework for 3D Printed Smart Home. , 2020, , . | | 1 |
| 154 | Non-Gaussian Colored Noise Generation for Wireless Channel Simulation with Particle Swarm Optimizer. , 2020, , . | | 0 |
| 155 | Precision Techniques and Agriculture 4.0 Technologies to Promote Sustainability in the Coffee Sector: State of the Art, Challenges and Future Trends. IEEE Access, 2020, 8, 149854-149867. | 4.2 | 81 |
| 156 | A Novel Multi-Chaos Based Compressive Sensing Encryption Technique. , 2020, , . | | 7 |
| 157 | Direction of Arrival Estimation Using Hybrid Spatial Cross-Cumulants and Root-MUSIC. , 2020, , . | | 2 |
| 158 | Location Dependent Channel Characteristics for Implantable Devices. , 2020, , . | | 3 |
| 159 | Intelligent Instruction-Based IoT Framework for Smart Home Applications using Speech Recognition. , 2020, , . | | 3 |
| 160 | A Comprehensive Survey on Hybrid Communication in Context of Molecular Communication and Terahertz Communication for Body-Centric Nanonetworks. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2020, 6, 107-133. | 2.1 | 44 |
| 161 | Reinforcement Learning for Scalable and Reliable Power Allocation in SDN-based Backscatter Heterogeneous Network. , 2020, , . | | 18 |
| 162 | A 1-bit High-Gain Flexible Metasurface Reflectarray for Terahertz Application. , 2020, , . | | 0 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 163 | Hardware-Based Hopfield Neuromorphic Computing for Fall Detection. Sensors, 2020, 20, 7226. | 3.8 | 12 |
| 164 | Implementation of Electromagnetic Band-Gap Structure in Antenna Applications: An Overview. , 2020, , . | | 3 |
| 165 | Liquid-Sensing Metamaterial Ring Resonator in Millimeter-wave band for 5G Applications. , 2020, , . | | 3 |
| 166 | IEEE Access Special Section: Antenna and Propagation for 5G and Beyond. IEEE Access, 2020, 8, 207343-207351. | 4.2 | 3 |
| 167 | A Robust Wearable Unique-Logo Wideband Antenna for 5G Applications. , 2020, , . | | 2 |
| 168 | Grand Challenges in IoT and Sensor Networks. Frontiers in Communications and Networks, 2020, 1, . | 3.0 | 24 |
| 169 | A Flexible and Compact Metamaterial UHF RID Tag for Remote Sensing in Human Health. , 2020, , . | | 0 |
| 170 | Energy Optimisation through Path Selection for Underwater Wireless Sensor Networks. , 2020, , . | | 4 |
| 171 | Design of 1-Bit Digital Subwavelength Metasurface Element for Sub-6 GHz Applications. , 2020, , . | | 2 |
| 172 | Using Machine Learning to Predict the Future Development of Disease. , 2020, , . | | 11 |
| 173 | An Intelligent Non-Invasive Real-Time Human Activity Recognition System for Next-Generation Healthcare. Sensors, 2020, 20, 2653. | 3.8 | 104 |
| 174 | Mobility Prediction-Based Optimisation and Encryption of Passenger Traffic-Flows Using Machine Learning. Sensors, 2020, 20, 2629. | 3.8 | 14 |
| 175 | Intelligent handover decision scheme using double deep reinforcement learning. Physical Communication, 2020, 42, 101133. | 2.1 | 28 |
| 176 | Planar Pyramid Shaped UHF RFID Tag Antenna With Polarisation Diversity for IoT Applications Using Characteristics Mode Analysis. IEEE Access, 2020, 8, 103684-103696. | 4.2 | 18 |
| 177 | Robust and Efficient Integrated Antenna With EBG-DGS Enabled Wide Bandwidth for Wearable Medical Device Applications. IEEE Access, 2020, 8, 56346-56358. | 4.2 | 46 |
| 178 | Securing Internet of Medical Things with Friendly-jamming schemes. Computer Communications, 2020, 160, 431-442. | 5.1 | 51 |
| 179 | Sensor Fusion for Identification of Freezing of Gait Episodes Using Wi-Fi and Radar Imaging. IEEE Sensors Journal, 2020, 20, 14410-14422. | 4.7 | 37 |
| 180 | Miniaturized and Flexible FSS-Based EM Shields for Conformal Applications. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 1703-1710. | 2.2 | 36 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 181 | Teaching Embedded Systems for Energy Harvesting Applications: A Comparison of Teaching Methods Adopted in UESTC and KTH. IEEE Access, 2020, 8, 50780-50791. | 4.2 | 7 |
| 182 | An Overview of Neuromorphic Computing for Artificial Intelligence Enabled Hardware-Based Hopfield Neural Network. IEEE Access, 2020, 8, 67085-67099. | 4.2 | 39 |
| 183 | A Business and Legislative Perspective of V2X and Mobility Applications in 5G Networks. IEEE Access, 2020, 8, 67426-67435. | 4.2 | 12 |
| 184 | Privacy-Preserving Non-Wearable Occupancy Monitoring System Exploiting Wi-Fi Imaging for Next-Generation Body Centric Communication. Micromachines, 2020, 11, 379. | 2.9 | 23 |
| 185 | Ultra-wideband Hybrid PICA Terahertz Antenna for High-Resolution Biomedical Imaging. , 2020, , . | | 4 |
| 186 | IoT Enabled Smart Fertilization and Irrigation Aid for Agricultural Purposes. , 2020, , . | | 8 |
| 187 | Internet of Things (IoT) Enabled Smart Indoor Air Quality Monitoring System. , 2020, , . | | 19 |
| 188 | Internet of Things (IoT) enabled Smart Home Safety Barrier System. , 2020, , . | | 6 |
| 189 | Internet of Things (IoT) for Healthcare Application. , 2020, , . | | 5 |
| 190 | Compact, Low-profile and Robust Inversely E-shaped antenna Integrated with EBG Structures for Wearable Application. , 2020, , . | | 2 |
| 191 | 5G-FOG: Freezing of Gait Identification in Multi-class Softmax Neural Network Exploiting 5G Spectrum. Advances in Intelligent Systems and Computing, 2020, , 26-36. | 0.6 | 3 |
| 192 | The Review and Analysis of Antenna for Sixth Generation (6G) Applications. , 2020, , . | | 4 |
| 193 | Design of Dual-Band Wearable Crescent-Shaped Button Antenna for WLAN Applications. Lecture Notes in Networks and Systems, 2020, , 457-464. | 0.7 | 2 |
| 194 | A Zero Placement Algorithm for Synthesis of Flat Top Beam Pattern With Low Sidelobe Level. IEEE Access, 2020, 8, 225935-225944. | 4.2 | 14 |
| 195 | Ultra-wideband Sensor Antenna Design for 5G/UWB Based Real Time Location Systems. , 2020, , . | | 0 |
| 196 | Artificial Intelligence Enabled Smart Refrigeration Management System Using Internet of Things Framework. , 2020, , . | | 3 |
| 197 | A Corrugated SIW Based Slot Antenna for Terahertz Application. , 2020, , . | | 1 |
| 198 | Correlation Reduction in Closely-Spaced MIMO Antenna With Circular Polarization Diversity. , 2020, , . | | 0 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 199 | A Fast Blocking Matrix Generating Algorithm for Generalized Sidelobe Canceller Beamforming. , 2020, , . | | 0 |
| 200 | Spider Web shaped Near-field UHF RFID Reader Antenna for Healthcare and IoT Applications. , 2020, , . | | 2 |
| 201 | Auto-calibration of Linear Array Antenna Positioning for Single Snapshot Direction of Arrival Estimation. , 2020, , . | | 1 |
| 202 | Assessing the Salt Constituents Characteristics in Aqueous Solutions Using Terahertz Waves. , 2020, , . | | 1 |
| 203 | Software Defined Radio Based Testbed for Large Scale Body Movements. , 2020, , . | | 4 |
| 204 | An Amplitude Distribution Network in the T/R Module for Beamforming Applications. , 2020, , . | | 0 |
| 205 | Design and Investigation of Polarization Independent Dual-Band Metamaterial Absorber. , 2020, , . | | 0 |
| 206 | Correlation Analysis of Vital Signs to Monitor Disease Risks in Ubiquitous Healthcare System. EAI Endorsed Transactions on Industrial Networks and Intelligent Systems, 2020, 7, 165676. | 1.9 | 4 |
| 207 | $S$ -Band Sensing-Based Motion Assessment Framework for Cerebellar Dysfunction Patients. IEEE Sensors Journal, 2019, 19, 8460-8467. | 4.7 | 35 |
| 208 | Introducing a Novel Technique of Detecting Fruits Contaminations Using Terahertz Sensing. , 2019, , . | | 1 |
| 209 | Characterization and Water Content Estimation Method of Living Plant Leaves Using Terahertz Waves. Applied Sciences (Switzerland), 2019, 9, 2781. | 2.5 | 23 |
| 210 | Novel QoS-Aware Proactive Spectrum Access Techniques for Cognitive Radio Using Machine Learning. IEEE Access, 2019, 7, 70811-70827. | 4.2 | 28 |
| 211 | Wearable Wireless Devices. Applied Sciences (Switzerland), 2019, 9, 2643. | 2.5 | 3 |
| 212 | Packet-Drop Design in URLLC for Real-Time Wireless Control Systems. IEEE Access, 2019, 7, 183081-183090. | 4.2 | 11 |
| 213 | Unmanned Aerial Vehicle-to-Wearables (UAV2W) Indoor Radio Propagation Channel Measurements and Modeling. IEEE Access, 2019, 7, 73741-73750. | 4.2 | 12 |
| 214 | Low-Cost Inkjet-Printed RFID Tag Antenna Design for Remote Healthcare Applications. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2019, 3, 261-268. | 3.4 | 29 |
| 215 | A Load-Aware Clustering Model for Coordinated Transmission in Future Wireless Networks. IEEE Access, 2019, 7, 92693-92708. | 4.2 | 14 |
| 216 | Cognitive health care system and its application in pillâ€rolling assessment. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2019, 32, e2632. | 1.9 | 37 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 217 | IEEE Access Special Section Editorial: Wearable and Implantable Devices and Systems. IEEE Access, 2019, 7, 139512-139517. | 4.2 | 0 |
| 218 | Reinforcement Learning Method for Beam Management in Millimeter-Wave Networks. , 2019, , . | | 8 |
| 219 | Orientation insensitive UHF RFID Tag Antenna with polarization diversity using Characteristic Mode Analysis. , 2019, , . | | 2 |
| 220 | Single-Point-Fed Broadband CP Antenna With Enhanced Axial Ratio. , 2019, , . | | 1 |
| 221 | Wearable UHF RFID Tag Antenna Design using Hilbert Fractal Structure. , 2019, , . | | 6 |
| 222 | Channel Access and Power Control for Energy-Efficient Delay-Aware Heterogeneous Cellular Networks for Smart Grid Communications Using Deep Reinforcement Learning. IEEE Access, 2019, 7, 133474-133484. | 4.2 | 19 |
| 223 | Mobile Edge Computing-Based Data-Driven Deep Learning Framework for Anomaly Detection. IEEE Access, 2019, 7, 137656-137667. | 4.2 | 34 |
| 224 | Hand Palm Local Channel Characterization for Millimeter-Wave Body-Centric Applications. IEEE Access, 2019, 7, 150976-150982. | 4.2 | 1 |
| 225 | Noninvasive Suspicious Liquid Detection Using Wireless Signals. Sensors, 2019, 19, 4086. | 3.8 | 5 |
| 226 | A Broadband 90° Polarization Rotator Metasurface. , 2019, , . | | 1 |
| 227 | Electromagnetic Properties of Plant Leaves at Terahertz Frequencies for Health Status Monitoring. , 2019, , . | | 3 |
| 228 | Ultrathin Metamaterial Microwave Absorber Using Coconut Coir Fibre over X-Band Frequency Range. , 2019, , . | | 2 |
| 229 | Assessment of Worn Textile Antennas' Exposure on the Physiological Parameters and Well-Being of Adults. IEEE Access, 2019, 7, 98946-98958. | 4.2 | 12 |
| 230 | Delay-Aware Energy-Efficient Joint Power Control and Mode Selection in Device-to-Device Communications for FREEDM Systems in Smart Grids. IEEE Access, 2019, 7, 87369-87381. | 4.2 | 12 |
| 231 | Terahertz Antenna based on Graphene for Wearable Applications. , 2019, , . | | 6 |
| 232 | Improve Tracking Speed of Beamformer With Simplified Zero Placement Algorithm. , 2019, , . | | 3 |
| 233 | Low-profile Flexible Perovskite based Millimetre Wave Antenna. , 2019, , . | | 2 |
| 234 | Spectral Analysis of Hand Tremors Induced During a Fatigue Test. , 2019, , . | | 4 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 235 | Terahertz Sensing for Fruit Spoilage Monitoring. , 2019, , . | | 9 |
| 236 | Monitoring the Variability of Water Dynamics in Plant Leaves at Cellular Level Using Terahertz Sensing. , 2019, , . | | 1 |
| 237 | Flexible and Wearable Graphene-based Terahertz Antenna for Body-Centric Applications. , 2019, , . | | 7 |
| 238 | Cell Fault Management Using Machine Learning Techniques. IEEE Access, 2019, 7, 124514-124539. | 4.2 | 30 |
| 239 | State-of-the-art in terahertz sensing for food and water security â€" A comprehensive review. Trends in Food Science and Technology, 2019, 85, 241-251. | 15.1 | 106 |
| 240 | Inkjetâ€printed UHF RFID tag based system for salinity and sugar detection. Microwave and Optical Technology Letters, 2019, 61, 2161-2168. | 1.4 | 17 |
| 241 | WBSN in IoT Health-Based Application: Toward Delay and Energy Consumption Minimization. Journal of Sensors, 2019, 2019, 1-14. | 1.1 | 46 |
| 242 | Post-surgical fall detection by exploiting the 5 G C-Band technology for eHealth paradigm. Applied Soft Computing Journal, 2019, 81, 105537. | 7.2 | 18 |
| 243 | Circular Polarized RFID Tag Antenna Design using Characteristic Mode Analysis. , 2019, , . | | 7 |
| 244 | Dielectric and Double Debye Parameters of Artificial Normal Skin and Melanoma. Journal of Infrared, Millimeter, and Terahertz Waves, 2019, 40, 657-672. | 2.2 | 17 |
| 245 | Recent Advances in Fabrication Methods for Flexible Antennas in Wearable Devices: State of the Art. Sensors, 2019, 19, 2312. | 3.8 | 107 |
| 246 | Incast Mitigation in a Data Center Storage Cluster Through a Dynamic Fair-Share Buffer Policy. IEEE Access, 2019, 7, 10718-10733. | 4.2 | 3 |
| 247 | Optimal Filter Length and Zero Padding Length Design for Universal Filtered Multi-Carrier (UFMC) System. IEEE Access, 2019, 7, 21687-21701. | 4.2 | 12 |
| 248 | An efficient monitoring of eclamptic seizures in wireless sensors networks. Computers and Electrical Engineering, 2019, 75, 16-30. | 4.8 | 30 |
| 249 | Single Relay Selection in the Cognitive Cooperative Network: Toward Bandwidth Efficiency Improvement. , 2019, , . | | 7 |
| 250 | Small Conformal UHF RFID Tag Antenna for Labelling Fruits. , 2019, , . | | 2 |
| 251 | Supervisor and Supervisee Expectations [Young Professionals]. IEEE Antennas and Propagation Magazine, 2019, 61, 57-58. | 1.4 | 0 |
| 252 | WiFreeze: Multiresolution Scalograms for Freezing of Gait Detection in Parkinsonâ€™s Leveraging 5G Spectrum with Deep Learning. Electronics (Switzerland), 2019, 8, 1433. | 3.1 | 23 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 253 | A Broadband Polarization Rotator Metasurface. , 2019, , . | | 1 |
| 254 | Multiple Traffics Support in Wireless Body Area Network over Cognitive Cooperative Communication. , 2019, , . | | 20 |
| 255 | Features of Physiological Tremor in Diabetic Patients. , 2019, , . | | 3 |
| 256 | Radome Design with Improved Aerodynamics and Radiation for Smart Antennas in Automotive Applications. , 2019, , . | | 3 |
| 257 | Q-Learning Assisted Energy-Aware Traffic Offloading and Cell Switching in Heterogeneous Networks. , 2019, , . | | 10 |
| 258 | A Flexible Low-Cost Hybrid Beamforming Structure for Practical Beamforming Applications. , 2019, , . | | 6 |
| 259 | Monitoring Health Status and Quality Assessment of Leaves Using Terahertz Frequency. , 2019, , . | | 3 |
| 260 | Channel Impulse Response-based Physical Layer Authentication in a Diffusion-based Molecular Communication System. , 2019, , . | | 6 |
| 261 | Non-Cooperative Game Theory Approach for Cognitive Cooperative Communication in WBAN. , 2019, , . | | 2 |
| 262 | Reinforcement Learning driven Energy Efficient Mobile Communication and Applications. , 2019, , . | | 7 |
| 263 | Magnetic Resonance-based Wireless Power Transfer for Implantable Biomedical Microelectronics Devices. , 2019, , . | | 5 |
| 264 | Indoor Material Properties Extraction from Scattering Parameters at Frequencies from 750 GHz to 1.1 THz. , 2019, , . | | 3 |
| 265 | Direction of Arrival Estimation using Root-Transformation Matrix Technique. , 2019, , . | | 3 |
| 266 | Spectrum Cost Optimization for Cognitive Radio Transmission over TV White Spaces using Artificial Neural Networks. , 2019, , . | | 1 |
| 267 | Remote Monitoring of Absorbable Cardiovascular Stents using Millimetre Waves. , 2019, , . | | 0 |
| 268 | Monitoring Quality Control of Fruits Using Terahertz Sensing. , 2019, , . | | 0 |
| 269 | On the Existence of Terahertz Plasmons in Two-dimensional Semiconductor Heterostructures. , 2019, , . | | 0 |
| 270 | Machine learning driven non-invasive approach of water content estimation in living plant leaves using terahertz waves. Plant Methods, 2019, 15, 138. | 4.3 | 30 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 271 | Beamforming Optimization based on Kalman Filter for Vehicle in Constrained Route. , 2019, , . | | 1 |
| 272 | Compact Base Station Antenna Based on Image Theory for UWB/5G RTLS Embraced Smart Parking of Driverless Cars. IEEE Access, 2019, 7, 180898-180909. | 4.2 | 21 |
| 273 | Analysis of Multilayer Graphene as Verification Standard for VNA at Millimeter-Wave Frequencies. , 2019, , . | | 1 |
| 274 | Quality of Service Optimization in an IoT-Driven Intelligent Transportation System. IEEE Wireless Communications, 2019, 26, 10-17. | 9.0 | 117 |
| 275 | Energy harvesting Internet of Things health-based paradigm: Towards outage probability reduction through interâ€"wireless body area network cooperation. International Journal of Distributed Sensor Networks, 2019, 15, 155014771987987. | 2.2 | 25 |
| 276 | High Bandwidth Perovskite based Antenna for High-Resolution Biomedical Imaging at Terahertz. , 2019, , . | | 7 |
| 277 | A Secure Occupational Therapy Framework for Monitoring Cancer Patientsâ€™ Quality of Life. Sensors, 2019, 19, 5258. | 3.8 | 19 |
| 278 | Predicting long-term type 2 diabetes with support vector machine using oral glucose tolerance test. PLoS ONE, 2019, 14, e0219636. | 2.5 | 43 |
| 279 | Establishing A Novel Technique for the Detection of Water Contamination Using Terahertz Waves. , 2019, , . | | 1 |
| 280 | Novel Flexible and Wearable 2.4 GHz Antenna for Body-Centric Applications. , 2019, , . | | 3 |
| 281 | Atmospheric Attenuation Analysis in Indoor THz Communication Channels. , 2019, , . | | 8 |
| 282 | Handover Management in Dense Networks with Coverage Prediction from Sparse Networks. , 2019, , . | | 6 |
| 283 | Metamaterial inspired fabric antenna for wearable applications. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21640. | 1.2 | 38 |
| 284 | Modulation Mode Detection and Classification for *In Vivo* Nano-Scale Communication Systems Operating in Terahertz Band. IEEE Transactions on Nanobioscience, 2019, 18, 10-17. | 3.3 | 11 |
| 285 | Millimeter-Wave Liquid Crystal Polymer Based Conformal Antenna Array for 5G Applications. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 84-88. | 4.0 | 105 |
| 286 | Enhancement of the Duty Cycle Cooperative Medium Access Control for Wireless Body Area Networks. IEEE Access, 2019, 7, 3348-3359. | 4.2 | 29 |
| 287 | Low-Cost Inkjet-Printed UHF RFID Tag-Based System for Internet of Things Applications Using Characteristic Modes. IEEE Internet of Things Journal, 2019, 6, 3962-3975. | 8.7 | 51 |
| 288 | Evaluation of ultra-wideband in vivo radio channel and its effects on system performance. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3530. | 3.9 | 6 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 289 | A low‐profile 28‐GHz Rotman lens‐fed array beamformer for 5G conformal subsystems. Microwave and Optical Technology Letters, 2019, 61, 671-675. | 1.4 | 12 |
| 290 | Multi-dimensional data indexing and range query processing via Voronoi diagram for internet of things. Future Generation Computer Systems, 2019, 91, 382-391. | 7.5 | 157 |
| 291 | Power Distribution and Performance Analysis of Terahertz Communication in Artificial Skin. , 2019, , . | | 1 |
| 292 | Ieee Access Special Section Editorial: Nano-Antennas, Nano-Transceivers and Nano-Networks/Communications. IEEE Access, 2018, 6, 8270-8272. | 4.2 | 6 |
| 293 | Leveraging Intelligence from Network CDR Data for Interference Aware Energy Consumption Minimization. IEEE Transactions on Mobile Computing, 2018, 17, 1569-1582. | 5.8 | 15 |
| 294 | A $K_a$‐band antenna based on an enhanced Franklin model for 5G cellular networks. Microwave and Optical Technology Letters, 2018, 60, 1562-1566. | 1.4 | 12 |
| 295 | Analytical modelling of the effect of noise on the terahertz in-vivo communication channel for body-centric nano-networks. Nano Communication Networks, 2018, 15, 59-68. | 2.9 | 41 |
| 296 | Reliable emergency data transmission using transmission mode selection in wireless body area network. Cogent Engineering, 2018, 5, 1562859. | 2.2 | 23 |
| 297 | Chronic Obstructive Pulmonary Disease Warning in the Approximate Ward Environment. Applied Sciences (Switzerland), 2018, 8, 1915. | 2.5 | 14 |
| 298 | A Compact Wearable System for Detection and Estimation of Open Wound Status In Diabetic Patient. , 2018, , . | | 4 |
| 299 | A compact Non-Invasive WearableVital Signal Monitoring System. , 2018, , . | | 3 |
| 300 | Posture-Specific Breathing Detection. Sensors, 2018, 18, 4443. | 3.8 | 6 |
| 301 | Circularly Polarized C-shaped Monopole Antenna for C-Band Applications. , 2018, , . | | 1 |
| 302 | A Compact Wearable Antenna Using EBG for Smart-Watch Applications. , 2018, , . | | 16 |
| 303 | A Compact Wearable System for Detection of Plantar Pressure for Diabetic Foot Prevention. , 2018, , . | | 3 |
| 304 | Tunable Folded- Patch UHF RFID Tag Antenna Design using Theory of Characteristic Modes. , 2018, , . | | 5 |
| 305 | Hardware Efficient Adaptive Beamformer Based on Cyclic Variable Step Size. , 2018, , . | | 2 |
| 306 | A Wearable, Low-cost Hand Tremor Sensor for Detecting Hypoglycemic Events in Diabetic Patients. , 2018, , . | | 6 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 307 | Critical Data-Based Incremental Cooperative Communication for Wireless Body Area Network. Sensors, 2018, 18, 3661. | 3.8 | 30 |
| 308 | Detection and Diagnosis of Paralysis Agitans. IEEE Access, 2018, 6, 73023-73029. | 4.2 | 2 |
| 309 | FREQUENCY RECONFIGURABLE PATCH ANTENNA FOR 4G LTE APPLICATIONS. Progress in Electromagnetics Research M, 2018, 69, 1-13. | 0.9 | 19 |
| 310 | Efficient AoA-Based Wireless Indoor Localization for Hospital Outpatients Using Mobile Devices. Sensors, 2018, 18, 3698. | 3.8 | 56 |
| 311 | A Wearable Antenna for mmWave IoT Applications. , 2018, , . | | 10 |
| 312 | Simulation of Photovoltaic Cells for Implantable Sensory Applications. , 2018, , . | | 8 |
| 313 | Ka-band Flexible Koch Fractal Antenna with Defected Ground Structure for 5G Wearable and Conformal Applications. , 2018, , . | | 10 |
| 314 | An Invariant Dual-beam Snowflake Antenna for Future 5G Communications. , 2018, , . | | 1 |
| 315 | Compact Polarization Diversity Antenna for 28/38 GHz Bands. , 2018, , . | | 4 |
| 316 | Design and Implementation of Portable Sensory System for Air Pollution Monitoring Monitoring. , 2018, , . | | 6 |
| 317 | Experimental Characterization of Artificial Human Skin with Melanomas for Accurate Modelling and Detection in Healthcare Application. , 2018, , . | | 3 |
| 318 | Empty Substrate Integrated Waveguide Slot Antenna Array for 5G Applications. , 2018, , . | | 19 |
| 319 | Inkjet-Printed Millimetre-Wave PET-Based Flexible Antenna for 5G Wireless Applications. , 2018, , . | | 38 |
| 320 | Antenna Systems for Internet of Things. Wireless Communications and Mobile Computing, 2018, 2018, 1-2. | 1.2 | 7 |
| 321 | Detection of Pressure and Heat in a Compressive Orthotic for Diabetes Prevention Using Nanotechnology. , 2018, , . | | 1 |
| 322 | Miniature implantable antenna design for blood glucose monitoring. , 2018, , . | | 5 |
| 323 | Breathing Rhythm Analysis in Body Centric Networks. IEEE Access, 2018, 6, 32507-32513. | 4.2 | 30 |
| 324 | Power Management Using Photovoltaic Cells for Implantable Devices. IEEE Access, 2018, 6, 42156-42164. | 4.2 | 24 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 325 | A Review on the Role of Nano-Communication in Future Healthcare Systems: A Big Data Analytics Perspective. IEEE Access, 2018, 6, 41903-41920. | 4.2 | 70 |
| 326 | Internet of Things for Sensing: A Case Study in the Healthcare System. Applied Sciences (Switzerland), 2018, 8, 508. | 2.5 | 42 |
| 327 | Multiple antenna techniques for terahertz nano-bio communication. , 2018, , . | | 1 |
| 328 | Terahertz characterisation of living plant leaves for quality of life assessment applications. , 2018, , . | | 20 |
| 329 | Experimental analysis of ultra wideband in vivo radio channel. , 2018, , . | | 9 |
| 330 | Impact of Cell Density and Collagen Concentration on the Electromagnetic Properties of Dermal Equivalents in the Terahertz Band. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 381-389. | 3.1 | 15 |
| 331 | Nano-Ferrite Near-Field Microwave Imaging for In-Body Applications. IEEE Access, 2018, 6, 29551-29557. | 4.2 | 2 |
| 332 | Introducing a Novel Minimum Accuracy Concept for Predictive Mobility Management Schemes. , 2018, , . | | 8 |
| 333 | Utilizing a 5G spectrum for health care to detect the tremors and breathing activity for multiple sclerosis. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3454. | 3.9 | 31 |
| 334 | Mathematical Modeling of Ultra Wideband <italic>in Vivo</italic> Radio Channel. IEEE Access, 2018, 6, 20848-20854. | 4.2 | 13 |
| 335 | Frequency reconfigurable patch antenna with bias tee for wireless LAN applications. IET Microwaves, Antennas and Propagation, 2018, 12, 2248-2254. | 1.4 | 16 |
| 336 | A marketplace for efficient and secure caching for IoT applications in 5G networks. , 2018, , . | | 2 |
| 337 | Inverted E-Shaped Wearable Textile Antenna for Medical Applications. IEEE Access, 2018, 6, 35214-35222. | 4.2 | 64 |
| 338 | Predictive and Core-Network Efficient RRC Signalling for Active State Handover in RANs With Control/Data Separation. IEEE Transactions on Wireless Communications, 2017, 16, 1423-1436. | 9.2 | 34 |
| 339 | Collagen Analysis at Terahertz Band Using Double-Debye Parameter Extraction and Particle Swarm Optimisation. IEEE Access, 2017, 5, 27850-27856. | 4.2 | 11 |
| 340 | Physical Layer Authentication in Nano Networks at Terahertz Frequencies for Biomedical Applications. IEEE Access, 2017, 5, 7808-7815. | 4.2 | 28 |
| 341 | Analytical Characterisation of the Terahertz In-Vivo Nano-Network in the Presence of Interference Based on TS-OOK Communication Scheme. IEEE Access, 2017, 5, 10172-10181. | 4.2 | 23 |
| 342 | Cooperative In-Vivo Nano-Network Communication at Terahertz Frequencies. IEEE Access, 2017, 5, 8642-8647. | 4.2 | 40 |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 343 | A Survey of Machine Learning Techniques Applied to Self-Organizing Cellular Networks. IEEE Communications Surveys and Tutorials, 2017, 19, 2392-2431. | 39.4 | 352 |
| 344 | Compact and Low-Profile Textile EBG-Based Antenna for Wearable Medical Applications. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2550-2553. | 4.0 | 143 |
| 345 | Anatomical Region-Specific In Vivo Wireless Communication Channel Characterization. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 1254-1262. | 6.3 | 33 |
| 346 | Reverse recognition of body postures using on–body radio channel characteristics. IET Microwaves, Antennas and Propagation, 2017, 11, 1212-1217. | 1.4 | 7 |
| 347 | Dielectric constant measurement of collagen at terahertz band using terahertz time domain spectroscopy. , 2017, , . | | 0 |
| 348 | Extremely low profile flexible antenna for medical body area networks. , 2017, , . | | 2 |
| 349 | How 5G Wireless (and Concomitant Technologies) Will Revolutionize Healthcare?. Future Internet, 2017, 9, 93. | 3.8 | 122 |
| 350 | Approximate Networking for Universal Internet Access. Future Internet, 2017, 9, 94. | 3.8 | 2 |
| 351 | Millimetre-Wave Antennas and Systems for the Future 5G. International Journal of Antennas and Propagation, 2017, 2017, 1-2. | 1.2 | 10 |
| 352 | Distributed Beamforming with Wirelessly Powered Relay Nodes. , 2017, , . | | 0 |
| 353 | Exploiting Lack of Hardware Reciprocity for Sender-Node Authentication at the PHY Layer. , 2017, , . | | 6 |
| 354 | Channel Impulse Response-Based Distributed Physical Layer Authentication. , 2017, , . | | 17 |
| 355 | Monitoring of atopic dermatitis using leaky coaxial cable. Healthcare Technology Letters, 2017, 4, 244-248. | 3.3 | 25 |
| 356 | Planar inverted-f antenna for universal serial bus dongle applications. Turkish Journal of Electrical Engineering and Computer Sciences, 2017, 25, 4280-4286. | 1.4 | 3 |
| 357 | A Low Profile Antenna for Millimeter-Wave Body-Centric Applications. IEEE Transactions on Antennas and Propagation, 2017, 65, 6329-6337. | 5.1 | 54 |
| 358 | A Survey of the Challenges, Opportunities and Use of Multiple Antennas in Current and Future 5G Small Cell Base Stations. IEEE Access, 2016, 4, 2952-2964. | 4.2 | 187 |
| 359 | Multi-hop cooperative relaying for energy efficient in vivo communications. , 2016, , . | | 1 |
| 360 | Antenna incorporated with Electromagnetic Bandgap (EBG) for wearable application at 2.4 GHz wireless bands. , 2016, , . | | 15 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 361 | THz time domain characterization of human skin tissue for nano-electromagnetic communication. , 2016, , . | | 0 |
| 362 | Modelling of the terahertz communication channel for in-vivo nano-networks in the presence of noise. , 2016, , . | | 19 |
| 363 | Modeling of fading figure for non-stationary indoor radio channels. , 2016, , . | | 1 |
| 364 | In Vivo Communications: Steps Toward the Next Generation of Implantable Devices. IEEE Vehicular Technology Magazine, 2016, 11, 32-42. | 3.4 | 21 |
| 365 | Terahertz Channel Characterization Inside the Human Skin for Nano-Scale Body-Centric Networks. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 427-434. | 3.1 | 131 |
| 366 | Fibroblasts cell number density based human skin characterization at THz for in-body nanonetworks. Nano Communication Networks, 2016, 10, 60-67. | 2.9 | 15 |
| 367 | THz Time-Domain Spectroscopy of Human Skin Tissue for In-Body Nanonetworks. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 803-809. | 3.1 | 30 |
| 368 | Nano-Communication for Biomedical Applications: A Review on the State-of-the-Art From Physical Layers to Novel Networking Concepts. IEEE Access, 2016, 4, 3920-3935. | 4.2 | 84 |
| 369 | Enabling Massive IoT in 5G and Beyond Systems: PHY Radio Frame Design Considerations. IEEE Access, 2016, 4, 3322-3339. | 4.2 | 182 |
| 370 | Ellipticity statistics of ultra wideband MIMO channels for body centric wireless communication. , 2016, , . | | 3 |
| 371 | Channel modelling of human tissues at terahertz band. , 2016, , . | | 3 |
| 372 | Channel modelling of human tissues at terahertz band. , 2016, , . | | 3 |
| 373 | Characterization of Volumetric Change in Collagen using THz Time Domain Spectroscopy for In-Body Nanonetworks. , 2016, , . | | 0 |
| 374 | Condition number variability of ultra wideband MIMO on body channels. , 2016, , . | | 6 |
| 375 | A low profile penta-band antenna for portable devices. , 2016, , . | | 5 |
| 376 | Effects of non-flat interfaces in human skin tissues on the in-vivo Tera-Hertz communication channel. Nano Communication Networks, 2016, 8, 16-24. | 2.9 | 8 |
| 377 | Control-Data Separation Architecture for Cellular Radio Access Networks: A Survey and Outlook. IEEE Communications Surveys and Tutorials, 2016, 18, 446-465. | 39.4 | 102 |
| 378 | A Cell Outage Management Framework for Dense Heterogeneous Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 2097-2113. | 6.3 | 91 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 379 | Characterization of Human Skin Using THz Time Domain Spectroscopy for In-Body Nanonetworks. , 2016, , . | | 0 |
| 380 | Broadband Antennas. , 2016, , 27-71. | | 0 |
| 381 | Ultra wideband body-centric networks for localisation and motion capture applications. , 2016, , 337-373. | | 0 |
| 382 | Sparse characterization of body-centric radio channels. , 2016, , 81-95. | | 0 |
| 383 | Ultra wideband radio channel characterisation for body-centric wireless communication. , 2016, , 43-79. | | 0 |
| 384 | Characterization of the on-body received signal strength indication considering different propagation environment. , 2015, , . | | 1 |
| 385 | Comprehensive Design and Propagation Study of a Compact Dual Band Antenna for Healthcare Applications. Journal of Sensor and Actuator Networks, 2015, 4, 50-66. | 3.9 | 10 |
| 386 | Experimental Characterization of In Vivo Wireless Communication Channels. , 2015, , . | | 8 |
| 387 | Optimal on-body relay placement for energy efficient in vivo communications. , 2015, , . | | 0 |
| 388 | Physical layer security for wireless implantable medical devices. , 2015, , . | | 17 |
| 389 | A circular patch frequency reconfigurable antenna for wearable applications. , 2015, , . | | 7 |
| 390 | Multiband-OFDM based ultra wideband system modelling of on/off-body antenna diversity. , 2015, , . | | 1 |
| 391 | Study of a novel multi-band antenna for body-centric wireless networks. , 2015, , . | | 3 |
| 392 | Characterising skin-based nano-networks for healthcare monitoring applications at THz. , 2015, , . | | 4 |
| 393 | Terahertz signal propagation analysis inside the human skin. , 2015, , . | | 3 |
| 394 | Design of band€notched ultra wideband antenna for indoor and wearable wireless communications. IET Microwaves, Antennas and Propagation, 2015, 9, 243-251. | 1.4 | 57 |
| 395 | Sparsity-Inspired Nonparametric Probability Characterization for Radio Propagation in Body Area Networks. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 858-865. | 6.3 | 3 |
| 396 | Study of a microstrip patch antenna with multiple circular slots for portable devices. , 2015, , . | | 6 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 397 | A non-invasive remote health monitoring system using visible light communication. , 2015, , . | | 13 |
| 398 | Insights and Approaches for Low-Complexity 5G Small-Cell Base-Station Design for Indoor Dense Networks. IEEE Access, 2015, 3, 1562-1572. | 4.2 | 38 |
| 399 | Towards sparse characterisation of on‐body ultra‐wideband wireless channels. Healthcare Technology Letters, 2015, 2, 74-77. | 3.3 | 1 |
| 400 | Minimization of Mutual Coupling Using Neutralization Line Technique for 2.4 GHz Wireless Applications. International Journal of Innovation in the Digital Economy, 2015, 6, 1-15. | 0.4 | 6 |
| 401 | Experimental Investigation of Subject-Specific On-Body Radio Propagation Channels for Body-Centric Wireless Communications. Electronics (Switzerland), 2014, 3, 26-42. | 3.1 | 8 |
| 402 | Introduction to Body Area and Wireless Sensor Networks. , 2014, , 1-4. | | 1 |
| 403 | Experimental Evaluation of MIMO Capacity for Ultrawideband Body-Centric Wireless Propagation Channels. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 495-498. | 4.0 | 12 |
| 404 | On the sparse non-parametric model for body-centric ultra-wideband channel. , 2014, , . | | 0 |
| 405 | Ultra wideband antenna diversity characterisation for off‐body communications in an indoor environment. IET Microwaves, Antennas and Propagation, 2014, 8, 1161-1169. | 1.4 | 12 |
| 406 | Frequency Band Allocation for Body Area Networks. , 2014, , 5-6. | | 0 |
| 407 | Antenna Design Requirements for Wireless BAN and WSNs. , 2014, , 7-23. | | 1 |
| 408 | Design of Body-Worn Radar-Based Sensors for Vital Sign Monitoring. , 2014, , 39-46. | | 0 |
| 409 | Cooperative and Low-Power Wireless Sensor Networks for Body-Centric Applications. , 2014, , 25-38. | | 0 |
| 410 | Ultra wideband in vivo radio channel characterisation and system modeling. , 2014, , . | | 3 |
| 411 | Numerical characterisation and modeling of in-vivo radio communication. , 2014, , . | | 3 |
| 412 | Heterogeneous Ability-Centered Team Building to aid enquiry based learning in engineering classroom. , 2014, , . | | 0 |
| 413 | Experimental investigation of channel capacity and signal correlation in multi-element antennas for body-centric wireless networks. , 2014, , . | | 0 |
| 414 | Second order statistics of ultra wideband on-body diversity channels. , 2014, , . | | 0 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 415 | Numerical characterization of in vivo wireless communication channels. , 2014, , . | | 6 |
| 416 | A Comparative Review on the Wireless Implantable Medical Devices Privacy and Security. , 2014, , . | | 19 |
| 417 | Antenna Diversity Techniques for Enhanced Ultra-Wideband Body-Centric Wireless Networks in Healthcare. , 2014, , 153-175. | | 0 |
| 418 | Experimental characterisation of ultra-wideband off-body radio channels considering antenna effects. IET Microwaves, Antennas and Propagation, 2013, 7, 370-380. | 1.4 | 22 |
| 419 | Design of a compact wearable single-arm spiral antenna for satellite communications. , 2013, , . | | 3 |
| 420 | Numerical radio propagation characterisation and system level modelling for ultra wideband on-body communications. , 2013, , . | | 0 |
| 421 | Individual energy use and feedback in an office setting: A field trial. Energy Policy, 2013, 62, 717-728. | 8.8 | 129 |
| 422 | An improved radio channel characterisation for ultra wideband on-body communications using regression method. , 2013, , . | | 1 |
| 423 | A Survey of Self Organisation in Future Cellular Networks. IEEE Communications Surveys and Tutorials, 2013, 15, 336-361. | 39.4 | 331 |
| 424 | Compact Low-Profile Dual-Port Single Wideband Planar Inverted-F MIMO Antenna. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1673-1675. | 4.0 | 41 |
| 425 | Ultrawideband Band-Notched Flexible Antenna for Wearable Applications. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1606-1609. | 4.0 | 94 |
| 426 | Multiple input multiple output radio channel characterisation for ultra wideband body centric wireless communication. , 2013, , . | | 1 |
| 427 | NUMERICAL MODELLING OF HUMAN BODY FOR BLUETOOTH BODY-WORN APPLICATIONS. Progress in Electromagnetics Research, 2013, 143, 623-639. | 4.4 | 10 |
| 428 | AN ADVANCED UWB CHANNEL MODEL FOR BODY-CENTRIC WIRELESS NETWORKS. Progress in Electromagnetics Research, 2013, 136, 79-99. | 4.4 | 19 |
| 429 | Improving the Body Area Line-of-Sight Density Model: A Theoretical Study. International Journal of Antennas and Propagation, 2013, 2013, 1-4. | 1.2 | 2 |
| 430 | EXPERIMENTAL INVESTIGATION OF ULTRA WIDEBAND DIVERSITY TECHNIQUES FOR ON-BODY RADIO COMMUNICATIONS. Progress in Electromagnetics Research C, 2013, 34, 165-181. | 0.9 | 36 |
| 431 | Ultra wideband off-body radio channel characterisation and modelling for healthcare applications. , 2012, , . | | 5 |
| 432 | Ultra wideband antenna diversity techniques for on/off-body radio channel characterisation. , 2012, , . | | 6 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 433 | Second order statistics of ultra wideband on-body radio channels. , 2012, , . | | 0 |
| 434 | On-body radio channel measurements for three different human body sizes. , 2012, , . | | 0 |
| 435 | Ultra wideband off-body radio channel characterisation for different environments. , 2012, , . | | 5 |
| 436 | Uncertainties of Multiport VNA S-Parameter Measurements Applying the GSOLT Calibration Method. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 3251-3258. | 4.7 | 9 |
| 437 | Performance of Ultrawideband Wireless Tags for On-Body Radio Channel Characterisation. International Journal of Antennas and Propagation, 2012, 2012, 1-10. | 1.2 | 12 |
| 438 | COMPARISON OF TWO MEASUREMENT TECHNIQUES FOR UWB OFF-BODY RADIO CHANNEL CHARACTERISATION. Progress in Electromagnetics Research M, 2012, 27, 179-189. | 0.9 | 8 |
| 439 | Numerical Characterization and Modeling of Subject-Specific Ultrawideband Body-Centric Radio Channels and Systems for Healthcare Applications. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 221-227. | 3.2 | 63 |
| 440 | Radio propagation channel characterisation using ultra wideband wireless tags for body-centric wireless networks in indoor environment. , 2011, , . | | 3 |
| 441 | Investigation of body shape variations effect on the Ultra-Wideband on-body radio propagation channel. , 2011, , . | | 2 |
| 442 | Dual band and dual mode antenna for power efficient body-centric wireless communications. , 2011, , . | | 12 |
| 443 | Radio Channel Characterisation and OFDM-based Ultra Wideband System Modelling for Body-Centric Wireless Networks. , 2011, , . | | 7 |
| 444 | Experimental Characterization and Statistical Analysis of the Pseudo-Dynamic Ultrawideband On-Body Radio Channel. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 748-751. | 4.0 | 17 |
| 445 | Electrically coupled tapered slot ultra wideband antenna with tunable notch. Microwave and Optical Technology Letters, 2011, 53, 1558-1561. | 1.4 | 2 |
| 446 | Ultra wideband sub-band time of arrival estimation for location detection. , 2011, , . | | 1 |
| 447 | Spatial Correlation Analysis of On-Body Radio Channels Considering Statistical Significance. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 780-783. | 4.0 | 19 |
| 448 | Statistical analysis of small-scale channel parameters for ultra wideband radio channels in body-centric wireless networks. , 2011, , . | | 4 |
| 449 | Characterization of MB-OFDM-Based Ultrawideband Systems for Body-Centric Wireless Communications. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1401-1404. | 4.0 | 8 |
| 450 | Diversity antenna techniques for enhanced ultra wideband body-centric communications. , 2011, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 451 | Characterization and modelling of Ultra Wideband radio links for optimum performance of body area network in health care applications. , 2011, , . | | 5 |
| 452 | Recent development of Ultra Wideband body-centric wireless communications. , 2010, , . | | 6 |
| 453 | On-Body Radio Channel Characterization and System-Level Modeling for Multiband OFDM Ultra-Wideband Body-Centric Wireless Network. IEEE Transactions on Microwave Theory and Techniques, 2010, , . | 4.6 | 38 |
| 454 | Effect of human body movements on performance of multiband OFDM based ultra wideband wireless communication system. , 2010, , . | | 4 |
| 455 | System-level modelling of optimal ultra wideband body-centric wireless network. , 2009, , . | | 12 |
| 456 | Arm movements effect on ultra wideband on-body propagation channels and radio systems. , 2009, , . | | 25 |
| 457 | Resource efficient parallel architectures for linear matrix algebra in real time adaptive control algorithms on reconfigurable logic. , 2008, , . | | 3 |
| 458 | A Frequency-Reconfigurable Microstrip Antenna with Constant Dipole-Like Radiation Patterns Using Single Bias, Triple Varactor Tuning with Reduced Complexity. Wireless Personal Communications, 0, , 1. | 2.7 | 3 |
| 459 | Mobile Technologies for Managing Non-Communicable Diseases in Developing Countries. Advances in Wireless Technologies and Telecommunication Book Series, 0, , 261-287. | 0.4 | 11 |
| 460 | FINAL YEAR PROJECT ALLOCATIONS FOR UNDERGRADUATE ENGINEERING STUDENTS IN TNE PROGRAMS. , 0, , . | | 0 |