

Masood Ur-Rehman

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

1,889
citations

304743

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h-index

315739

38
g-index

139
all docs

139
docs citations

139
times ranked

1581
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Challenges, Applications, and Future of Wireless Sensors in Internet of Things: A Review. IEEE Sensors Journal, 2022, 22, 5482-5494. | 4.7 | 105 |
| 2 | Millimeter-Wave Smart Antenna Solutions for URLLC in Industry 4.0 and Beyond. Sensors, 2022, 22, 2688. | 3.8 | 17 |
| 3 | A resonant cavity system for exposing cell cultures to intense pulsed RF fields. Scientific Reports, 2022, 12, 4755. | 3.3 | 0 |
| 4 | On Fast Estimation of SAR for Metallic Rim-based MIMO Handsets. , 2022, , . | | 0 |
| 5 | Design of a 60 GHz Microstrip Antenna for Multi-Gigabit Industrial Communication in Viewpoint of Industry 4.0. , 2022, , . | | 4 |
| 6 | Flexible and Wearable Terahertz Antenna for Future Wireless Communication. , 2022, , . | | 0 |
| 7 | Implantable Antennas for Bio-Medical Applications. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2021, 5, 84-96. | 3.4 | 55 |
| 8 | Contactless Finger Tapping Detection at C-Band. IEEE Sensors Journal, 2021, 21, 5249-5258. | 4.7 | 13 |
| 9 | Securing Health Monitoring via Body-Centric Time-Frequency Signature Authorization. IEEE Internet of Things Journal, 2021, 8, 4711-4722. | 8.7 | 0 |
| 10 | Dual Band and Dual Diversity Four-Element MIMO Dipole for 5G Handsets. Sensors, 2021, 21, 767. | 3.8 | 20 |
| 11 | Detection of malicious consumer interest packet with dynamic threshold values. PeerJ Computer Science, 2021, 7, e435. | 4.5 | 4 |
| 12 | Comparative analysis of scheduling algorithms for radio resource allocation in future communication networks. PeerJ Computer Science, 2021, 7, e546. | 4.5 | 8 |
| 13 | Towards Supply Chain Visibility Using Internet of Things: A Dyadic Analysis Review. Sensors, 2021, 21, 4158. | 3.8 | 38 |
| 14 | Study of a printed split-ring monopole for dual-spectrum communications. Heliyon, 2021, 7, e07928. | 3.2 | 22 |
| 15 | 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 |
| 16 | Impact of IoT on Manufacturing Industry 4.0: A New Triangular Systematic Review. Sustainability, 2021, 13, 12506. | 3.2 | 47 |
| 17 | A 60 GHz Broadband Wearable Antenna for Body-to-Body Communications. , 2021, , . | | 0 |
| 18 | Three-Port Lorentz Resonance Based Permittivity Sensor and Microwave Comparator. , 2021, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Design Of A Compact Ultra-Wideband Microstrip Antenna for Millimeter-Wave Communication. , 2021, , . | | 3 |
| 20 | A Miniaturized Wideband 3 dB Rat-Race Coupler Utilizing Meander Lines. , 2021, , . | | 0 |
| 21 | A wideband miniaturized 3 dB hybrid coupler for passive beam switching application. , 2021, , . | | 0 |
| 22 | A Millimeter-wave Broadband Magneto-electric Dipole Antenna Using Complementary Back Reflectors and Air-gaps. , 2021, , . | | 0 |
| 23 | Flexible Ultra-Wideband Antenna for 5G and Beyond Wearable Applications. , 2021, , . | | 1 |
| 24 | Diagnosis of the Hypopnea syndrome in the early stage. Neural Computing and Applications, 2020, 32, 855-866. | 5.6 | 32 |
| 25 | Secure Online Banking With Biometrics. , 2020, , . | | 4 |
| 26 | A Compact Size Implantable Antenna for Bio-medical Applications. , 2020, , . | | 4 |
| 27 | Review and Critical Analysis of Privacy-Preserving Infection Tracking and Contact Tracing. Frontiers in Communications and Networks, 2020, 1, . | 3.0 | 8 |
| 28 | A Wearable Health Monitoring System. , 2020, , . | | 3 |
| 29 | Continuous User Authentication Featuring Keystroke Dynamics Based on Robust Recurrent Confidence Model and Ensemble Learning Approach. IEEE Access, 2020, 8, 156177-156189. | 4.2 | 20 |
| 30 | A 1-bit High-Gain Flexible Metasurface Reflectarray for Terahertz Application. , 2020, , . | | 0 |
| 31 | Advances in Sensor Technologies in the Era of Smart Factory and Industry 4.0. Sensors, 2020, 20, 6783. | 3.8 | 130 |
| 32 | Design of 1-Bit Digital Subwavelength Metasurface Element for Sub-6 GHz Applications. , 2020, , . | | 2 |
| 33 | A Tri-band Implantable Antenna for Biotelemetry Applications. , 2020, , . | | 3 |
| 34 | Design of a compact multiband circularly polarized antenna for global navigation satellite systems and 5G/B5G applications. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22182. | 1.2 | 11 |
| 35 | Ultra-wideband Hybrid PICA Terahertz Antenna for High-Resolution Biomedical Imaging. , 2020, , . | | 4 |
| 36 | Assessment and Feedback Under Disruptive Circumstances in Trans-National Education. , 2020, , . | | 0 |

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| 37 | A Novel Approach to Policy Development under Disruptive Circumstances using Situation Awareness and Scenario Planning in Higher Education. , 2020, , . | | 1 |
| 38 | Tunable Phantoms and Their Verification. Journal of Medical Imaging and Health Informatics, 2020, 10, 1-10. | 0.3 | 0 |
| 39 | A Corrugated SIW Based Slot Antenna for Terahertz Application. , 2020, , . | | 1 |
| 40 | TAE0-A Thermal Aware & Energy Optimized Routing Protocol for Wireless Body Area Networks. Sensors, 2019, 19, 3275. | 3.8 | 23 |
| 41 | IoT for 5G/B5G Applications in Smart Homes, Smart Cities, Wearables and Connected Cars. , 2019, , . | | 13 |
| 42 | Hand Palm Local Channel Characterization for Millimeter-Wave Body-Centric Applications. IEEE Access, 2019, 7, 150976-150982. | 4.2 | 1 |
| 43 | A Vision-Based Amateur Drone Detection Algorithm for Public Safety Applications. , 2019, , . | | 7 |
| 44 | Flexible and Wearable Graphene-based Terahertz Antenna for Body-Centric Applications. , 2019, , . | | 7 |
| 45 | An Internet of Things Based Bed-Egress Alerting Paradigm Using Wearable Sensors in Elderly Care Environment. Sensors, 2019, 19, 2498. | 3.8 | 36 |
| 46 | Design and Development of MIMO Antennas for WiGig Terminals. Electronics (Switzerland), 2019, 8, 1548. | 3.1 | 6 |
| 47 | Planar SIW Leaky Wave Antenna With Electronically Reconfigurable E- and H-Plane Scanning. IEEE Access, 2019, 7, 171206-171213. | 4.2 | 10 |
| 48 | A Dipole Sub-Array With Reduced Mutual Coupling for Large Antenna Array Applications. IEEE Access, 2019, 7, 171495-171502. | 4.2 | 2 |
| 49 | IEEE Access Special Section: Advances in Interference Mitigation Techniques for Device-to-Device Communications. IEEE Access, 2019, 7, 177827-177831. | 4.2 | 0 |
| 50 | Design of an LCP-based Antenna Array for 5G/B5G Wearable Applications. , 2019, , . | | 9 |
| 51 | Point Controlled Energy Efficient Medium Access in WLANs for Low Latency Communications. , 2019, , . | | 1 |
| 52 | Freezing of Gait Detection Considering Leaky Wave Cable. IEEE Transactions on Antennas and Propagation, 2019, 67, 554-561. | 5.1 | 56 |
| 53 | Tri-band millimetre-wave antenna for body-centric networks. Nano Communication Networks, 2018, 18, 72-81. | 2.9 | 24 |
| 54 | Monitoring of Patients Suffering From REM Sleep Behavior Disorder. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2018, 2, 138-143. | 3.4 | 37 |

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| 55 | Call blocking and outage probability in energy-efficient LTE networks. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3310. | 3.9 | 1 |
| 56 | Detection of Essential Tremor at the S-Band. IEEE Journal of Translational Engineering in Health and Medicine, 2018, 6, 1-7. | 3.7 | 22 |
| 57 | Wandering Pattern Sensing at S-Band. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1863-1870. | 6.3 | 56 |
| 58 | Sleep Apnea Syndrome Sensing at C-Band. IEEE Journal of Translational Engineering in Health and Medicine, 2018, 6, 1-8. | 3.7 | 37 |
| 59 | Design and Modeling of Robust Multi Degree of Freedom Micro Gyroscope with Wide Bandwidth. , 2018, , . | | 1 |
| 60 | A Wearable Antenna for mmWave IoT Applications. , 2018, , . | | 10 |
| 61 | Antenna Systems for Internet of Things. Wireless Communications and Mobile Computing, 2018, 2018, 1-2. | 1.2 | 7 |
| 62 | Detection of Pressure and Heat in a Compressive Orthotic for Diabetes Prevention Using Nanotechnology. , 2018, , . | | 1 |
| 63 | Miniature implantable antenna design for blood glucose monitoring. , 2018, , . | | 5 |
| 64 | Antenna and Propagation Considerations for Amateur UAV Monitoring. IEEE Access, 2018, 6, 28001-28007. | 4.2 | 12 |
| 65 | A Novel Dual Ultrawideband CPW-Fed Printed Antenna for Internet of Things (IoT) Applications. Wireless Communications and Mobile Computing, 2018, 2018, 1-9. | 1.2 | 24 |
| 66 | Internet of Things for Sensing: A Case Study in the Healthcare System. Applied Sciences (Switzerland), 2018, 8, 508. | 2.5 | 42 |
| 67 | Nano-Ferrite Near-Field Microwave Imaging for In-Body Applications. IEEE Access, 2018, 6, 29551-29557. | 4.2 | 2 |
| 68 | Analysis of Subchannel Correlation in Dual-Polarised MIMO Systems via a Polarisation Diversity Scheme. IEEE Transactions on Antennas and Propagation, 2017, 65, 2635-2644. | 5.1 | 2 |
| 69 | Printed quadrifilar helix antenna with enhanced bandwidth. IET Microwaves, Antennas and Propagation, 2017, 11, 732-736. | 1.4 | 14 |
| 70 | Energy Management in LTE Networks. IEEE Access, 2017, 5, 4264-4284. | 4.2 | 27 |
| 71 | Authentication in Millimeter-Wave Body-Centric Networks Through Wireless Channel Characterization. IEEE Transactions on Antennas and Propagation, 2017, 65, 6616-6623. | 5.1 | 17 |
| 72 | Design and Study of a Circular Polarised Conical-Disc-Backed Spiral Antenna for X-Band Applications. IEEE Access, 2017, 5, 21344-21354. | 4.2 | 7 |

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| 73 | Extremely low profile flexible antenna for medical body area networks. , 2017, , . | | 2 |
| 74 | Millimetre-Wave Antennas and Systems for the Future 5G. International Journal of Antennas and Propagation, 2017, 2017, 1-2. | 1.2 | 10 |
| 75 | Multiband Split-Ring Resonator Based Planar Inverted-F Antenna for 5G Applications. International Journal of Antennas and Propagation, 2017, 2017, 1-7. | 1.2 | 15 |
| 76 | RSSI indoor localization through a Bayesian strategy. , 2017, , . | | 5 |
| 77 | A Low Profile Antenna for Millimeter-Wave Body-Centric Applications. IEEE Transactions on Antennas and Propagation, 2017, 65, 6329-6337. | 5.1 | 54 |
| 78 | Green Communications: Techniques and Challenges. EAI Endorsed Transactions on Energy Web, 2017, 4, 153162. | 0.4 | 7 |
| 79 | The integrally representable trees of norm $\$3\$$. Annals of Mathematical Sciences and Applications, 2017, 2, 385-408. | 0.4 | 2 |
| 80 | Patterns-of-Life Aided Authentication. Sensors, 2016, 16, 1574. | 3.8 | 2 |
| 81 | Double Threshold Authentication Using Body Area Radio Channel Characteristics. IEEE Communications Letters, 2016, 20, 2099-2102. | 4.1 | 8 |
| 82 | Biometric Behavior Authentication Exploiting Propagation Characteristics of Wireless Channel. IEEE Access, 2016, 4, 4789-4796. | 4.2 | 16 |
| 83 | Interference Mitigation in D2D Communication Underlying LTE-A Network. IEEE Access, 2016, 4, 7967-7987. | 4.2 | 57 |
| 84 | Design of a finger ring antenna for wireless sensor networks. , 2016, , . | | 7 |
| 85 | Printed microstrip antenna for harvesting energy from mobile phone base stations. , 2016, , . | | 4 |
| 86 | A low profile penta-band antenna for portable devices. , 2016, , . | | 5 |
| 87 | Advances in Body-Centric Wireless Communication: Applications and state-of-the-art. , 2016, , . | | 73 |
| 88 | Broadband Antennas. , 2016, , 27-71. | | 0 |
| 89 | Characterization of the on-body received signal strength indication considering different propagation environment. , 2015, , . | | 1 |
| 90 | A circular patch frequency reconfigurable antenna for wearable applications. , 2015, , . | | 7 |

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| 91 | Internet of things: Architecture, technology and key problems in implementation. , 2015, , . | | 12 |
| 92 | Software design of a monitoring and management system in the Internet of Things. , 2015, , . | | 0 |
| 93 | Study of a novel multi-band antenna for body-centric wireless networks. , 2015, , . | | 3 |
| 94 | 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 |
| 95 | Study of a microstrip patch antenna with multiple circular slots for portable devices. , 2015, , . | | 6 |
| 96 | Towards sparse characterisation of on-body ultra-wideband wireless channels. Healthcare Technology Letters, 2015, 2, 74-77. | 3.3 | 1 |
| 97 | Design of a slotted-patch microstrip antenna for mobile terminals. , 2015, , . | | 4 |
| 98 | On spectral radius and energy of complete multipartite graphs. Ars Mathematica Contemporanea, 2015, 9, 109-113. | 0.6 | 25 |
| 99 | 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 |
| 100 | Ultra wideband in vivo radio channel characterisation and system modeling. , 2014, , . | | 3 |
| 101 | A compact multi-band slot-ring microstrip patch antenna for wireless applications. , 2013, , . | | 7 |
| 102 | Design of a compact wearable single-arm spiral antenna for satellite communications. , 2013, , . | | 3 |
| 103 | Numerical radio propagation characterisation and system level modelling for ultra wideband on-body communications. , 2013, , . | | 0 |
| 104 | Ultrawideband Band-Notched Flexible Antenna for Wearable Applications. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1606-1609. | 4.0 | 94 |
| 105 | Multiple input multiple output radio channel characterisation for ultra wideband body centric wireless communication. , 2013, , . | | 1 |
| 106 | Generation of orbital angular momentum (OAM) radio beams with phased patch array. , 2013, , . | | 21 |
| 107 | NUMERICAL MODELLING OF HUMAN BODY FOR BLUETOOTH BODY-WORN APPLICATIONS. Progress in Electromagnetics Research, 2013, 143, 623-639. | 4.4 | 10 |
| 108 | Achieving High Data Rate in Multiband-OFDM UWB Over Power-Line Communication System. IEEE Transactions on Power Delivery, 2012, 27, 1172-1177. | 4.3 | 22 |

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| 109 | Single Feed Stacked Patch Circular Polarized Antenna for Triple Band GPS Receivers. IEEE Transactions on Antennas and Propagation, 2012, 60, 4479-4484. | 5.1 | 134 |
| 110 | Evaluation of a Statistical Model for the Characterization of Multipath Affecting Mobile Terminal GPS Antennas in Sub-Urban Areas. IEEE Transactions on Antennas and Propagation, 2012, 60, 1084-1094. | 5.1 | 20 |
| 111 | Stacked patch circular polarized antenna for GPS/Galileo receiver applications. , 2012, , . | | 2 |
| 112 | Investigation of on-body Bluetooth transmission. IET Microwaves, Antennas and Propagation, 2010, 4, 871. | 1.4 | 31 |
| 113 | Environment effects and system performance characterisation of GPS antennas for mobile terminals. Electronics Letters, 2009, 45, 243. | 1.0 | 11 |
| 114 | Mobile terminal GPS antennas in multipath environment and effects of human body presence. , 2009, , . | | 1 |
| 115 | Analysis of GPS antenna performance in a multipath environment. , 2008, , . | | 3 |
| 116 | On-body bluetooth link budget: Effects of surrounding objects and role of surface waves. , 2008, , . | | 4 |
| 117 | On-Body Bluetooth Link Budget: Effects of Surrounding Objects and Role of Surface Waves. , 2007, , . | | 1 |
| 118 | A Study of Cross Ring Antenna for UWB Applications. , 2007, , . | | 1 |