

Qammer H Abbasi

List of Publications by Citations

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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.

384
papers

4,430
citations

29
h-index

54
g-index

511
ext. papers

6,408
ext. citations

3.6
avg, IF

6.31
L-index

#	Paper	IF	Citations
384	. <i>IEEE Communications Surveys and Tutorials</i> , 2013 , 15, 336-361	37.1	262
383	A Survey of Machine Learning Techniques Applied to Self-Organizing Cellular Networks. <i>IEEE Communications Surveys and Tutorials</i> , 2017 , 19, 2392-2431	37.1	237
382	Multi-dimensional data indexing and range query processing via Voronoi diagram for internet of things. <i>Future Generation Computer Systems</i> , 2019 , 91, 382-391	7.5	129
381	Enabling Massive IoT in 5G and Beyond Systems: PHY Radio Frame Design Considerations. <i>IEEE Access</i> , 2016 , 4, 3322-3339	3.5	123
380	A Survey of the Challenges, Opportunities and Use of Multiple Antennas in Current and Future 5G Small Cell Base Stations. <i>IEEE Access</i> , 2016 , 4, 2952-2964	3.5	112
379	Individual energy use and feedback in an office setting: A field trial. <i>Energy Policy</i> , 2013 , 62, 717-728	7.2	108
378	Compact and Low-Profile Textile EBG-Based Antenna for Wearable Medical Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 2550-2553	3.8	93
377	Terahertz Channel Characterization Inside the Human Skin for Nano-Scale Body-Centric Networks. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2016 , 6, 427-434	3.4	82
376	. <i>IEEE Communications Surveys and Tutorials</i> , 2016 , 18, 446-465	37.1	81
375	How 5G Wireless (and Concomitant Technologies) Will Revolutionize Healthcare?. <i>Future Internet</i> , 2017 , 9, 93	3.3	80
374	Ultrawideband Band-Notched Flexible Antenna for Wearable Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013 , 12, 1606-1609	3.8	68
373	A Cell Outage Management Framework for Dense Heterogeneous Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 2097-2113	6.8	62
372	Nano-Communication for Biomedical Applications: A Review on the State-of-the-Art From Physical Layers to Novel Networking Concepts. <i>IEEE Access</i> , 2016 , 4, 3920-3935	3.5	59
371	An Intelligent Non-Invasive Real-Time Human Activity Recognition System for Next-Generation Healthcare. <i>Sensors</i> , 2020 , 20,	3.8	54
370	Numerical characterization and modeling of subject-specific ultrawideband body-centric radio channels and systems for healthcare applications. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2012 , 16, 221-7		52
369	. <i>IEEE Access</i> , 2020 , 8, 140079-140096	3.5	52
368	QUALITY OF SERVICE OPTIMIZATION IN AN IOT-DRIVEN INTELLIGENT TRANSPORTATION SYSTEM. <i>IEEE Wireless Communications</i> , 2019 , 26, 10-17	13.4	52

367	State-of-the-art in terahertz sensing for food and water security [A comprehensive review. <i>Trends in Food Science and Technology</i> , 2019 , 85, 241-251	15.3	51
366	Millimeter-Wave Liquid Crystal Polymer Based Conformal Antenna Array for 5G Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019 , 18, 84-88	3.8	49
365	Recent Advances in Fabrication Methods for Flexible Antennas in Wearable Devices: State of the Art. <i>Sensors</i> , 2019 , 19,	3.8	48
364	A Review on the Role of Nano-Communication in Future Healthcare Systems: A Big Data Analytics Perspective. <i>IEEE Access</i> , 2018 , 6, 41903-41920	3.5	44
363	Precision Techniques and Agriculture 4.0 Technologies to Promote Sustainability in the Coffee Sector: State of the Art, Challenges and Future Trends. <i>IEEE Access</i> , 2020 , 8, 149854-149867	3.5	41
362	. <i>IEEE Access</i> , 2018 , 6, 35214-35222	3.5	37
361	Design of band-notched ultra wideband antenna for indoor and wearable wireless communications. <i>IET Microwaves, Antennas and Propagation</i> , 2015 , 9, 243-251	1.6	33
360	Internet of Things for Sensing: A Case Study in the Healthcare System. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 508	2.6	33
359	A Low Profile Antenna for Millimeter-Wave Body-Centric Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 6329-6337	4.9	33
358	Self-Powered Implantable Medical Devices: Photovoltaic Energy Harvesting Review. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000779	10.1	33
357	Low-Cost Inkjet-Printed UHF RFID Tag-Based System for Internet of Things Applications Using Characteristic Modes. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 3962-3975	10.7	31
356	Insights and Approaches for Low-Complexity 5G Small-Cell Base-Station Design for Indoor Dense Networks. <i>IEEE Access</i> , 2015 , 3, 1562-1572	3.5	30
355	Machine Learning Driven Approach Towards the Quality Assessment of Fresh Fruits Using Non-Invasive Sensing. <i>IEEE Sensors Journal</i> , 2020 , 20, 2075-2083	4	29
354	Diagnosis of the Hypopnea syndrome in the early stage. <i>Neural Computing and Applications</i> , 2020 , 32, 855-866	4.8	29
353	Cognitive health care system and its application in pill-rolling assessment. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2019 , 32, e2632	1	28
352	On-Body Radio Channel Characterization and System-Level Modeling for Multiband OFDM Ultra-Wideband Body-Centric Wireless Network. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010 ,	4.1	28
351	Analytical modelling of the effect of noise on the terahertz in-vivo communication channel for body-centric nano-networks. <i>Nano Communication Networks</i> , 2018 , 15, 59-68	2.9	27
350	Anatomical Region-Specific In Vivo Wireless Communication Channel Characterization. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2017 , 21, 1254-1262	7.2	27

- 349 Cooperative In-Vivo Nano-Network Communication at Terahertz Frequencies. *IEEE Access*, **2017**, 5, 8642-8647 26
- 348 Securing Internet of Medical Things with Friendly-jamming schemes. *Computer Communications*, **2020**, 160, 431-442 5.1 26
- 347 \$\$\$ -Band Sensing-Based Motion Assessment Framework for Cerebellar Dysfunction Patients. *IEEE Sensors Journal*, **2019**, 19, 8460-8467 4 26
- 346 Compact Low-Profile Dual-Port Single Wideband Planar Inverted-F MIMO Antenna. *IEEE Antennas and Wireless Propagation Letters*, **2013**, 12, 1673-1675 3.8 26
- 345 An efficient monitoring of eclamptic seizures in wireless sensors networks. *Computers and Electrical Engineering*, **2019**, 75, 16-30 4.3 26
- 344 Efficient AoA-Based Wireless Indoor Localization for Hospital Outpatients Using Mobile Devices. *Sensors*, **2018**, 18, 3.8 26
- 343 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 9.6 25
- 342 Breathing Rhythm Analysis in Body Centric Networks. *IEEE Access*, **2018**, 6, 32507-32513 3.5 25
- 341 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 1.9 25
- 340 WBSN in IoT Health-Based Application: Toward Delay and Energy Consumption Minimization. *Journal of Sensors*, **2019**, 2019, 1-14 2 24
- 339 A Review of the State of the Art in Non-Contact Sensing for COVID-19. *Sensors*, **2020**, 20, 3.8 24
- 338 Monitoring of atopic dermatitis using leaky coaxial cable. *Healthcare Technology Letters*, **2017**, 4, 244-248.9 23
- 337 . *IEEE Transactions on Terahertz Science and Technology*, **2016**, 6, 803-809 3.4 23
- 336 Mobile Edge Computing-Based Data-Driven Deep Learning Framework for Anomaly Detection. *IEEE Access*, **2019**, 7, 137656-137667 3.5 21
- 335 Predicting long-term type 2 diabetes with support vector machine using oral glucose tolerance test. *PLoS ONE*, **2019**, 14, e0219636 3.7 21
- 334 Recent Advances of Wearable Antennas in Materials, Fabrication Methods, Designs, and Their Applications: State-of-the-Art. *Micromachines*, **2020**, 11, 3.3 20
- 333 Machine learning driven non-invasive approach of water content estimation in living plant leaves using terahertz waves. *Plant Methods*, **2019**, 15, 138 5.8 20
- 332 Privacy-Preserving Wandering Behavior Sensing in Dementia Patients Using Modified Logistic and Dynamic Newton Leibnik Maps. *IEEE Sensors Journal*, **2021**, 21, 3669-3679 4 20

331	Robust and Efficient Integrated Antenna With EBG-DGS Enabled Wide Bandwidth for Wearable Medical Device Applications. <i>IEEE Access</i> , 2020 , 8, 56346-56358	3.5	19
330	EXPERIMENTAL INVESTIGATION OF ULTRA WIDEBAND DIVERSITY TECHNIQUES FOR ON-BODY RADIO COMMUNICATIONS. <i>Progress in Electromagnetics Research C</i> , 2013 , 34, 165-181	0.9	19
329	Arm movements effect on ultra wideband on-body propagation channels and radio systems 2009 ,		19
328	A Comparative Review on the Wireless Implantable Medical Devices Privacy and Security 2014 ,		19
327	DEKCS: A Dynamic Clustering Protocol to Prolong Underwater Sensor Networks. <i>IEEE Sensors Journal</i> , 2021 , 21, 9457-9464	4	19
326	Metamaterial inspired fabric antenna for wearable applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019 , 29, e21640	1.5	19
325	Enhancement of the Duty Cycle Cooperative Medium Access Control for Wireless Body Area Networks. <i>IEEE Access</i> , 2019 , 7, 3348-3359	3.5	19
324	Critical Data-Based Incremental Cooperative Communication for Wireless Body Area Network. <i>Sensors</i> , 2018 , 18,	3.8	19
323	Experimental characterisation of ultra-wideband off-body radio channels considering antenna effects. <i>IET Microwaves, Antennas and Propagation</i> , 2013 , 7, 370-380	1.6	17
322	. <i>IEEE Vehicular Technology Magazine</i> , 2016 , 11, 32-42	9.9	17
321	Sensor Fusion for Identification of Freezing of Gait Episodes Using Wi-Fi and Radar Imaging. <i>IEEE Sensors Journal</i> , 2020 , 20, 14410-14422	4	16
320	An Overview of Electromagnetic Band-Gap Integrated Wearable Antennas. <i>IEEE Access</i> , 2020 , 8, 7641-7658	3.5	16
319	Energy and Performance Trade-Off Optimization in Heterogeneous Computing via Reinforcement Learning. <i>Electronics (Switzerland)</i> , 2020 , 9, 1812	2.6	16
318	Analytical Characterisation of the Terahertz In-Vivo Nano-Network in the Presence of Interference Based on TS-OOK Communication Scheme. <i>IEEE Access</i> , 2017 , 5, 10172-10181	3.5	15
317	Miniaturized and Flexible FSS-Based EM Shields for Conformal Applications. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2020 , 62, 1703-1710	2	15
316	Power Management Using Photovoltaic Cells for Implantable Devices. <i>IEEE Access</i> , 2018 , 6, 42156-42164	3.5	15
315	Novel QoS-Aware Proactive Spectrum Access Techniques for Cognitive Radio Using Machine Learning. <i>IEEE Access</i> , 2019 , 7, 70811-70827	3.5	15
314	The Role of Artificial Intelligence Driven 5G Networks in COVID-19 Outbreak: Opportunities, Challenges, and Future Outlook. <i>Frontiers in Communications and Networks</i> , 2020 , 1,	3.3	15

313	. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2020 , 6, 107-133	2.3	15
312	Full Ground Ultra-Wideband Wearable Textile Antenna for Breast Cancer and Wireless Body Area Network Applications. <i>Micromachines</i> , 2021 , 12,	3.3	15
311	An Overview of Neuromorphic Computing for Artificial Intelligence Enabled Hardware-Based Hopfield Neural Network. <i>IEEE Access</i> , 2020 , 8, 67085-67099	3.5	15
310	Contactless Small-Scale Movement Monitoring System Using Software Defined Radio for Early Diagnosis of COVID-19. <i>IEEE Sensors Journal</i> , 2021 , 21, 17180-17188	4	15
309	Physical Layer Authentication in Nano Networks at Terahertz Frequencies for Biomedical Applications. <i>IEEE Access</i> , 2017 , 5, 7808-7815	3.5	14
308	Intelligent handover decision scheme using double deep reinforcement learning. <i>Physical Communication</i> , 2020 , 42, 101133	2.2	14
307	Characterization and Water Content Estimation Method of Living Plant Leaves Using Terahertz Waves. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2781	2.6	14
306	Channel Access and Power Control for Energy-Efficient Delay-Aware Heterogeneous Cellular Networks for Smart Grid Communications Using Deep Reinforcement Learning. <i>IEEE Access</i> , 2019 , 7, 133474-133484	3.5	14
305	AN ADVANCED UWB CHANNEL MODEL FOR BODY-CENTRIC WIRELESS NETWORKS. <i>Progress in Electromagnetics Research</i> , 2013 , 136, 79-99	3.8	14
304	Impact of IoT on Manufacturing Industry 4.0: A New Triangular Systematic Review. <i>Sustainability</i> , 2021 , 13, 12506	3.6	14
303	Modelling of the terahertz communication channel for in-vivo nano-networks in the presence of noise 2016 ,		14
302	WiFreeze: Multiresolution Scalograms for Freezing of Gait Detection in Parkinson Leveraging 5G Spectrum with Deep Learning. <i>Electronics (Switzerland)</i> , 2019 , 8, 1433	2.6	14
301	Energy harvesting Internet of Things health-based paradigm: Towards outage probability reduction through interwireless body area network cooperation. <i>International Journal of Distributed Sensor Networks</i> , 2019 , 15, 155014771987987	1.7	14
300	Privacy-Preserving Non-Wearable Occupancy Monitoring System Exploiting Wi-Fi Imaging for Next-Generation Body Centric Communication. <i>Micromachines</i> , 2020 , 11,	3.3	14
299	A Review on the State of the Art in Atrial Fibrillation Detection Enabled by Machine Learning. <i>IEEE Reviews in Biomedical Engineering</i> , 2021 , 14, 219-239	6.4	14
298	Reliable emergency data transmission using transmission mode selection in wireless body area network. <i>Cogent Engineering</i> , 2018 , 5, 1562859	1.5	14
297	Cell Fault Management Using Machine Learning Techniques. <i>IEEE Access</i> , 2019 , 7, 124514-124539	3.5	13
296	Leveraging Intelligence from Network CDR Data for Interference Aware Energy Consumption Minimization. <i>IEEE Transactions on Mobile Computing</i> , 2018 , 17, 1569-1582	4.6	13

295	Low-Cost Inkjet-Printed RFID Tag Antenna Design for Remote Healthcare Applications. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2019 , 3, 261-268	2.8	13
294	Experimental Characterization and Statistical Analysis of the Pseudo-Dynamic Ultrawideband On-Body Radio Channel. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 748-751	3.8	13
293	Spatial Correlation Analysis of On-Body Radio Channels Considering Statistical Significance. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 780-783	3.8	13
292	Non-Invasive Hydration Level Estimation in Human Body Using Galvanic Skin Response. <i>IEEE Sensors Journal</i> , 2020 , 20, 4891-4900	4	13
291	Inkjet-Printed Millimetre-Wave PET-Based Flexible Antenna for 5G Wireless Applications 2018 ,		13
290	. <i>IEEE Access</i> , 2019 , 7, 92693-92708	3.5	12
289	Physical layer security for wireless implantable medical devices 2015 ,		12
288	Challenges, Applications and Future of Wireless Sensors in Internet of Things: A Review. <i>IEEE Sensors Journal</i> , 2022 , 1-1	4	12
287	. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 4986-4996	11.9	12
286	A Secure Occupational Therapy Framework for Monitoring Cancer Patients' Quality of Life. <i>Sensors</i> , 2019 , 19,	3.8	12
285	Chronic Obstructive Pulmonary Disease Warning in the Approximate Ward Environment. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1915	2.6	12
284	Post-surgical Fall detection by exploiting the 5 G C-Band technology for eHealth paradigm. <i>Applied Soft Computing Journal</i> , 2019 , 81, 105537	7.5	11
283	Terahertz characterisation of living plant leaves for quality of life assessment applications 2018 ,		11
282	6G Opportunities Arising from Internet of Things Use Cases: A Review Paper. <i>Future Internet</i> , 2021 , 13, 159	3.3	11
281	Toward Convergence of AI and IoT for Energy-Efficient Communication in Smart Homes. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 9664-9671	10.7	11
280	Contactless Finger Tapping Detection at C-Band. <i>IEEE Sensors Journal</i> , 2021 , 21, 5249-5258	4	11
279	Inkjet-printed UHF RFID tag based system for salinity and sugar detection. <i>Microwave and Optical Technology Letters</i> , 2019 , 61, 2161-2168	1.2	10
278	. <i>IEEE Access</i> , 2019 , 7, 183081-183090	3.5	10

277	Ultra wideband antenna diversity characterisation for off-body communications in an indoor environment. <i>IET Microwaves, Antennas and Propagation</i> , 2014 , 8, 1161-1169	1.6	10
276	System-level modelling of optimal ultra wideband body-centric wireless network 2009 ,		10
275	A Systematic Review of Non-Contact Sensing for Developing a Platform to Contain COVID-19. <i>Micromachines</i> , 2020 , 11,	3.3	10
274	Reinforcement Learning for Scalable and Reliable Power Allocation in SDN-based Backscatter Heterogeneous Network 2020 ,		10
273	Fibroblasts cell number density based human skin characterization at THz for in-body nanonetworks. <i>Nano Communication Networks</i> , 2016 , 10, 60-67	2.9	10
272	Grand Challenges in IoT and Sensor Networks. <i>Frontiers in Communications and Networks</i> , 2020 , 1,	3.3	9
271	Mathematical Modeling of Ultra Wideband in Vivo Radio Channel. <i>IEEE Access</i> , 2018 , 6, 20848-20854	3.5	9
270	Experimental Evaluation of MIMO Capacity for Ultrawideband Body-Centric Wireless Propagation Channels. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 495-498	3.8	9
269	NUMERICAL MODELLING OF HUMAN BODY FOR BLUETOOTH BODY-WORN APPLICATIONS. <i>Progress in Electromagnetics Research</i> , 2013 , 143, 623-639	3.8	9
268	Modulation Mode Detection and Classification for In Vivo Nano-Scale Communication Systems Operating in Terahertz Band. <i>IEEE Transactions on Nanobioscience</i> , 2019 , 18, 10-17	3.4	9
267	. <i>IEEE Access</i> , 2021 , 9, 45770-45802	3.5	9
266	Delay-Aware Energy-Efficient Joint Power Control and Mode Selection in Device-to-Device Communications for FREEDM Systems in Smart Grids. <i>IEEE Access</i> , 2019 , 7, 87369-87381	3.5	8
265	2017 ,		8
264	Effects of non-flat interfaces in human skin tissues on the in-vivo Tera-Hertz communication channel. <i>Nano Communication Networks</i> , 2016 , 8, 16-24	2.9	8
263	2018 ,		8
262	Internet of Things (IoT) Enabled Smart Indoor Air Quality Monitoring System 2020 ,		8
261	A Wideband Beamforming Antenna Array for 802.11ac and 4.9 GHz in Modern Transportation Market. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 2659-2670	6.8	8
260	Travelers-Tracing and Mobility Profiling Using Machine Learning in Railway Systems 2020 ,		8

259	Radar Sensing for Activity Classification in Elderly People Exploiting Micro-Doppler Signatures Using Machine Learning. <i>Sensors</i> , 2021 , 21,	3.8	8
258	Antenna incorporated with Electromagnetic Bandgap (EBG) for wearable application at 2.4 GHz wireless bands 2016 ,		8
257	Compact Base Station Antenna Based on Image Theory for UWB/5G RTLS Embraced Smart Parking of Driverless Cars. <i>IEEE Access</i> , 2019 , 1-1	3.5	8
256	Millimetre-Wave Metamaterial-Based Sensor for Characterisation of Cooking Oils. <i>International Journal of Antennas and Propagation</i> , 2021 , 2021, 1-10	1.2	8
255	Suitability of NB-IoT for Indoor Industrial Environment: A Survey and Insights. <i>Sensors</i> , 2021 , 21,	3.8	8
254	Discrete Human Activity Recognition and Fall Detection by Combining FMCW RADAR Data of Heterogeneous Environments for Independent Assistive Living. <i>Electronics (Switzerland)</i> , 2021 , 10, 2237 ^{2.6}		8
253	Making assembly line in supply chain robust and secure using UHF RFID. <i>Scientific Reports</i> , 2021 , 11, 18041 ⁹		8
252	Collagen Analysis at Terahertz Band Using Double-Debye Parameter Extraction and Particle Swarm Optimisation. <i>IEEE Access</i> , 2017 , 5, 27850-27856	3.5	7
251	Impact of Cell Density and Collagen Concentration on the Electromagnetic Properties of Dermal Equivalents in the Terahertz Band. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2018 , 8, 381-389 ⁴		7
250	Unmanned Aerial Vehicle-to-Wearables (UAV2W) Indoor Radio Propagation Channel Measurements and Modeling. <i>IEEE Access</i> , 2019 , 7, 73741-73750	3.5	7
249	Reinforcement Learning Method for Beam Management in Millimeter-Wave Networks 2019 ,		7
248	Comprehensive Design and Propagation Study of a Compact Dual Band Antenna for Healthcare Applications. <i>Journal of Sensor and Actuator Networks</i> , 2015 , 4, 50-66	3.8	7
247	A circular patch frequency reconfigurable antenna for wearable applications 2015 ,		7
246	Dual band and dual mode antenna for power efficient body-centric wireless communications 2011 ,		7
245	Intrusion Detection Framework for the Internet of Things using a Dense Random Neural Network. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	7
244	Mobile Technologies for Managing Non-Communicable Diseases in Developing Countries. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> , 261-287	0.2	7
243	Mobility Management-Based Autonomous Energy-Aware Framework Using Machine Learning Approach in Dense Mobile Networks. <i>Signals</i> , 2020 , 1, 170-187	1.2	7
242	Fully Fabric High Impedance Surface-Enabled Antenna for Wearable Medical Applications. <i>IEEE Access</i> , 2021 , 9, 6948-6960	3.5	7

241	Non-Invasive RF Sensing for Detecting Breathing Abnormalities Using Software Defined Radios. <i>IEEE Sensors Journal</i> , 2021 , 21, 5111-5118	4	7
240	A Compact Wearable Antenna Using EBG for Smart-Watch Applications 2018 ,		7
239	Empty Substrate Integrated Waveguide Slot Antenna Array for 5G Applications 2018 ,		7
238	. <i>IEEE Access</i> , 2019 , 7, 98946-98958	3.5	6
237	Dielectric and Double Debye Parameters of Artificial Normal Skin and Melanoma. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2019 , 40, 657-672	2.2	6
236	Optimal Filter Length and Zero Padding Length Design for Universal Filtered Multi-Carrier (UFMC) System. <i>IEEE Access</i> , 2019 , 7, 21687-21701	3.5	6
235	A non-invasive remote health monitoring system using visible light communication 2015 ,		6
234	Planar Pyramid Shaped UHF RFID Tag Antenna With Polarisation Diversity for IoT Applications Using Characteristics Mode Analysis. <i>IEEE Access</i> , 2020 , 8, 103684-103696	3.5	6
233	A Ka-band antenna based on an enhanced Franklin model for 5G cellular networks. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 1562-1566	1.2	6
232	Experimental analysis of ultra wideband in vivo radio channel 2018 ,		6
231	Experimental Characterization of In Vivo Wireless Communication Channels 2015 ,		6
230	Characterization of MB-OFDM-Based Ultrawideband Systems for Body-Centric Wireless Communications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 1401-1404	3.8	6
229	Review and Critical Analysis of Privacy-Preserving Infection Tracking and Contact Tracing. <i>Frontiers in Communications and Networks</i> , 2020 , 1,	3.3	6
228	Terahertz Antenna Array Based on a Hybrid Perovskite Structure. <i>IEEE Open Journal of Antennas and Propagation</i> , 2020 , 1, 464-471	1.9	6
227	Hardware-Based Hopfield Neuromorphic Computing for Fall Detection. <i>Sensors</i> , 2020 , 20,	3.8	6
226	A Review on Wearable and Contactless Sensing for COVID-19 With Policy Challenges. <i>Frontiers in Communications and Networks</i> , 2021 , 2,	3.3	6
225	A low-profile 28-GHz Rotman lens-fed array beamformer for 5G conformal subsystems. <i>Microwave and Optical Technology Letters</i> , 2019 , 61, 671-675	1.2	6
224	A multiband circular polarization selective metasurface for microwave applications. <i>Scientific Reports</i> , 2021 , 11, 1774	4.9	6

223	Posture-Specific Breathing Detection. <i>Sensors</i> , 2018 , 18,	3.8	6
222	Ka-band Flexible Koch Fractal Antenna with Defected Ground Structure for 5G Wearable and Conformal Applications 2018 ,		6
221	An Ultrawideband Microfabricated Gold-based Antenna Array for Terahertz Communication. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 1-1	3.8	6
220	Circular Polarized RFID Tag Antenna Design using Characteristic Mode Analysis 2019 ,		5
219	Mobility Prediction-Based Optimisation and Encryption of Passenger Traffic-Flows Using Machine Learning. <i>Sensors</i> , 2020 , 20,	3.8	5
218	Numerical characterization of in vivo wireless communication channels 2014 ,		5
217	Reverse recognition of body postures using on-body radio channel characteristics. <i>IET Microwaves, Antennas and Propagation</i> , 2017 , 11, 1212-1217	1.6	5
216	Uncertainties of Multiport VNA S-Parameter Measurements Applying the GSOLT Calibration Method. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2012 , 61, 3251-3258	5.2	5
215	Performance of Ultrawideband Wireless Tags for On-Body Radio Channel Characterisation. <i>International Journal of Antennas and Propagation</i> , 2012 , 2012, 1-10	1.2	5
214	Ultra wideband antenna diversity techniques for on/off-body radio channel characterisation 2012 ,		5
213	Solar Irradiance Forecasting Using a Data-Driven Algorithm and Contextual Optimisation. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 134	2.6	5
212	Battery Recharging Time Models for Reconfigurable Intelligent Surfaces-Assisted Wireless Power Transfer Systems. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 1-1	4	5
211	A Bra Monitoring System Using a Miniaturized Wearable Ultra-Wideband MIMO Antenna for Breast Cancer Imaging. <i>Electronics (Switzerland)</i> , 2021 , 10, 2563	2.6	5
210	RF Sensing Based Breathing Patterns Detection Leveraging USRP Devices. <i>Sensors</i> , 2021 , 21,	3.8	5
209	Q-Learning Assisted Energy-Aware Traffic Offloading and Cell Switching in Heterogeneous Networks 2019 ,		5
208	A Business and Legislative Perspective of V2X and Mobility Applications in 5G Networks. <i>IEEE Access</i> , 2020 , 8, 67426-67435	3.5	5
207	FREQUENCY RECONFIGURABLE PATCH ANTENNA FOR 4G LTE APPLICATIONS. <i>Progress in Electromagnetics Research M</i> , 2018 , 69, 1-13	0.6	5
206	A Wearable Antenna for mmWave IoT Applications 2018 ,		5

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