Qammer H Abbasi

List of Publications by Year in Descending Order

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	Multiple Participants' Discrete Activity Recognition in a Well-Controlled Environment Using Universal Software Radio Peripheral Wireless Sensing.. *Sensors*, **2022**, 22,	3.8	1
383	Machine learning empowered COVID-19 patient monitoring using non-contact sensing: An extensive review.. *Journal of Pharmaceutical Analysis*, **2022**,	14	3
382	Two-Dimensional Materials for Future Terahertz Wireless Communications. *IEEE Open Journal of Antennas and Propagation*, **2022**, 3, 217-228	1.9	4
381	Challenges, Applications and Future of Wireless Sensors in Internet of Things: A Review. *IEEE Sensors Journal*, **2022**, 1-1	4	12
380	Novel Privacy Preserving Non-Invasive Sensing-Based Diagnoses of Pneumonia Disease Leveraging Deep Network Model.. *Sensors*, **2022**, 22,	3.8	1
379	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	0.2	
378	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	0.2	1
377	Wireless Sensing for Human Activity Recognition Using USRP. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2022**, 52-62	0.2	
376	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	0.2	
375	Bespoke Simulator for Human Activity Classification with Bistatic Radar. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2022**, 71-85	0.2	
374	Monitoring Discrete Activities of Daily Living of Young and Older Adults Using 5.8 GHz Frequency Modulated Continuous Wave Radar and ResNet Algorithm. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2022**, 28-38	0.2	0
373	Non-Contact Smart Sensing of Physical Activities during Quarantine Period Using SDR Technology.. *Sensors*, **2022**, 22,	3.8	1
372	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,	3.8	2
371	A lightweight cell switching and traffic offloading scheme for energy optimization in ultra-dense heterogeneous networks. *Physical Communication*, **2022**, 101643	2.2	1
370	Solar Irradiance Forecasting Using a Data-Driven Algorithm and Contextual Optimisation. *Applied Sciences (Switzerland)*, **2022**, 12, 134	2.6	5
369	Monitoring of neck activity for early warning of cervical spondylosis.. *Mathematical Biosciences and Engineering*, **2022**, 19, 792-811	2.1	1
368	Machine learning enabled identification and real-time prediction of living plants stress using terahertz waves. *Defence Technology*, **2022**,	3	3

367	IoT Based Fall Detection System for Elderly Healthcare. *Studies in Computational Intelligence*, **2022**, 209-232	0.4	0
366	Non-Invasive Localisation Using Software-Defined Radios. *IEEE Sensors Journal*, **2022**, 1-1	4	0
365	Millimeter-Wave Smart Antenna Solutions for URLLC in Industry 4.0 and Beyond.. *Sensors*, **2022**, 22,	3.8	5
364	Cheyne-Stokes Respiration Perception via Machine Learning Algorithms. *Electronics (Switzerland)*, **2022**, 11, 958	2.6	
363	Terahertz Metastructures for Noninvasive Biomedical Sensing and Characterization in Future Health Care [Bioelectromagnetics]. *IEEE Antennas and Propagation Magazine*, **2022**, 64, 60-70	1.7	2
362	An Adaptive Diagonal Loading Technique to Improve Direction of Arrival Estimation Accuracy for Linear Antenna Array Sensors. *IEEE Sensors Journal*, **2022**, 1-1	4	1
361	Integration of Spatial Modulation Scheme with Code Division Multiple Access for VIVO based Frequency Selective Nano Sensor Networks.. *IEEE Sensors Journal*, **2022**, 1-1	4	
360	Intelligent Handover Algorithm for Vehicle-to-Network Communications with Double-Deep Q-Learning. *IEEE Transactions on Vehicular Technology*, **2022**, 1-1	6.8	
359	Revenue Maximization Through Cell Switching and Spectrum Leasing in 5G HetNets. *IEEE Access*, **2022**, 10, 48301-48317	3.5	
358	Current Sheet Antenna Array and 5G: Challenges, Recent Trends, Developments, and Future Directions.. *Sensors*, **2022**, 22,	3.8	1
357	Machine Learning Enabled Food Contamination Detection Using RFID and Internet of Things System. *Journal of Sensor and Actuator Networks*, **2021**, 10, 63	3.8	2
356	Wireless Infrastructure in the Transportation Market and the Challenges. *SpringerBriefs in Applied Sciences and Technology*, **2021**, 5-22	0.4	
355	State-of-the-Art Antenna System. *SpringerBriefs in Applied Sciences and Technology*, **2021**, 23-30	0.4	
354	Designing the Smart Antenna System. *SpringerBriefs in Applied Sciences and Technology*, **2021**, 31-41	0.4	0
353	Antenna Array Prototyping and Experimental Evaluation. *SpringerBriefs in Applied Sciences and Technology*, **2021**, 43-52	0.4	
352	Evaluation of the 360□Antenna Systems. *SpringerBriefs in Applied Sciences and Technology*, **2021**, 53-60	0.4	
351	Pervasive Sensing: Macro to Nanoscale **2021**, 61-80		
350	Energy Harvesting for Wearable and Portable Devices **2021**, 129-152		

349	. *IEEE Antennas and Wireless Propagation Letters*, **2021**, 20, 2130-2135	3.8	
348	Impact of IoT on Manufacturing Industry 4.0: A New Triangular Systematic Review. *Sustainability*, **2021**, 13, 12506	3.6	14
347	Intrusion Detection Framework for the Internet of Things using a Dense Random Neural Network. *IEEE Transactions on Industrial Informatics*, **2021**, 1-1	11.9	7
346	Battery Recharging Time Models for Reconfigurable Intelligent Surfaces-Assisted Wireless Power Transfer Systems. *IEEE Transactions on Green Communications and Networking*, **2021**, 1-1	4	5
345	Identifying the Lack of Energy-Conscious Behaviour in Clinical and Non-Clinical Settings: An NHS Case Study. *Electronics (Switzerland)*, **2021**, 10, 2468	2.6	1
344	Substrate Integrated Waveguide Antenna System for 5G In-Band Full Duplex Applications. *Electronics (Switzerland)*, **2021**, 10, 2456	2.6	3
343	A Bra Monitoring System Using a Miniaturized Wearable Ultra-Wideband MIMO Antenna for Breast Cancer Imaging. *Electronics (Switzerland)*, **2021**, 10, 2563	2.6	5
342	Reconfigurable Reflectarray Antenna: A Comparison between Design Using PIN Diodes and Liquid Crystals. *Wireless Communications and Mobile Computing*, **2021**, 2021, 1-8	1.9	1
341	Optimising Electrical Power Supply Sustainability Using a Grid-Connected Hybrid Renewable Energy System: An NHS Hospital Case Study. *Energies*, **2021**, 14, 7084	3.1	1
340	Full Ground Ultra-Wideband Wearable Textile Antenna for Breast Cancer and Wireless Body Area Network Applications. *Micromachines*, **2021**, 12,	3.3	15
339	Metasurfaces Based on Huygen's Wavefront Manipulation **2021**, 71-83		
338	DEKCS: A Dynamic Clustering Protocol to Prolong Underwater Sensor Networks. *IEEE Sensors Journal*, **2021**, 21, 9457-9464	4	19
337	Compact Elliptical UWB Antenna for Underwater Wireless Communications. *Micromachines*, **2021**, 12,	3.3	4
336	Intelligent Reflective Surfaces State of the Art **2021**, 1-18		1
335	Passive UHF RFID Tag Antennas-Based Sensing for Internet of Things Paradigm **2021**, 133-155		0
334	**2021**,		4
333	RF Sensing for Healthcare Applications **2021**, 157-177		4
332	Design and Evaluation of a Flexible Dual-Band Meander Line Monopole Antenna for On- and Off-Body Healthcare Applications. *Micromachines*, **2021**, 12,	3.3	4

331	Clinical Recognition of Sensory Ataxia and Cerebellar Ataxia. *Frontiers in Human Neuroscience*, **2021**, 15, 639871	3.3	1
330	Microwave Imaging of Breast Skin Utilizing Elliptical UWB Antenna and Reverse Problems Algorithm. *Micromachines*, **2021**, 12,	3.3	1
329	Design of Portable Exoskeleton Forearm for Rehabilitation of Monoparesis Patients Using Tendon Flexion Sensing Mechanism for Health Care Applications. *Electronics (Switzerland)*, **2021**, 10, 1279	2.6	2
328	A Review on Wearable and Contactless Sensing for COVID-19 With Policy Challenges. *Frontiers in Communications and Networks*, **2021**, 2,	3.3	6
327	Wireless Communication and Power Harvesting in Wearable Contact Lens Sensors. *IEEE Sensors Journal*, **2021**, 21, 12484-12497	4	4
326	Radar Sensing for Activity Classification in Elderly People Exploiting Micro-Doppler Signatures Using Machine Learning. *Sensors*, **2021**, 21,	3.8	8
325	6G Opportunities Arising from Internet of Things Use Cases: A Review Paper. *Future Internet*, **2021**, 13, 159	3.3	11
324	Public Perception of the Fifth Generation of Cellular Networks (5G) on Social Media. *Frontiers in Big Data*, **2021**, 4, 640868	2.8	3
323	RF Sensing Based Breathing Patterns Detection Leveraging USRP Devices. *Sensors*, **2021**, 21,	3.8	5
322	Uniform Magnetic Field Characteristics Based UHF RFID Tag for Internet of Things Applications. *Electronics (Switzerland)*, **2021**, 10, 1603	2.6	4
321	IRS-Assisted Localization for Airborne Mobile Networks **2021**, 141-156		1
320	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	6.4	14
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318	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	3
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316	Toward Convergence of AI and IoT for Energy-Efficient Communication in Smart Homes. *IEEE Internet of Things Journal*, **2021**, 8, 9664-9671	10.7	11
315	Machine Learning for Decision Making in Healthcare **2021**, 95-115		
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313	Privacy-Preserving Wandering Behavior Sensing in Dementia Patients Using Modified Logistic and Dynamic Newton Leipnik Maps. *IEEE Sensors Journal*, **2021**, 21, 3669-3679	4	20
312	Effective age of information in real-time wireless feedback control systems. *Science China Information Sciences*, **2021**, 64, 1	3.4	1
311	Review on frequency reconfigurable antenna using substrate-integrated waveguide for cognitive radio application. *Journal of Electromagnetic Waves and Applications*, **2021**, 35, 958-990	1.3	3
310	Fully Fabric High Impedance Surface-Enabled Antenna for Wearable Medical Applications. *IEEE Access*, **2021**, 9, 6948-6960	3.5	7
309	A multiband circular polarization selective metasurface for microwave applications. *Scientific Reports*, **2021**, 11, 1774	4.9	6
308	. *IEEE Access*, **2021**, 9, 45770-45802	3.5	9
307	Microwave and Terahertz Sensing for Well Being **2021**,		1
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305	High Gain Triple-Band Metamaterial-Based Antipodal Vivaldi MIMO Antenna for 5G Communications. *Micromachines*, **2021**, 12,	3.3	3
304	Millimetre-Wave Metamaterial-Based Sensor for Characterisation of Cooking Oils. *International Journal of Antennas and Propagation*, **2021**, 2021, 1-10	1.2	8
303	Wideband Crescent-Shaped Slotted Printed Antenna with Radiant Circular Polarisation. *International Journal of Antennas and Propagation*, **2021**, 2021, 1-12	1.2	1
302	Ultra-wideband Channel Measurements and Modeling for Unmanned Aerial Vehicle-to-Wearables (UAV2W) Systems **2021**, 27-46		
301	Hybrid Workload Enabled and Secure Healthcare Monitoring Sensing Framework in Distributed Fog-Cloud Network. *Electronics (Switzerland)*, **2021**, 10, 1974	2.6	5
300	. *IEEE Transactions on Communications*, **2021**, 69, 5546-5558	6.9	5
299	Suitability of NB-IoT for Indoor Industrial Environment: A Survey and Insights. *Sensors*, **2021**, 21,	3.8	8
298	Contactless Small-Scale Movement Monitoring System Using Software Defined Radio for Early Diagnosis of COVID-19. *IEEE Sensors Journal*, **2021**, 21, 17180-17188	4	15
297	5G-enabled contactless multi-user presence and activity detection for independent assisted living. *Scientific Reports*, **2021**, 11, 17590	4.9	3
296	Discrete Human Activity Recognition and Fall Detection by Combining FMCW RADAR Data of Heterogeneous Environments for Independent Assistive Living. *Electronics (Switzerland)*, **2021**, 10, 2237	2.6	8

295	Infrared Sensing Based Non-Invasive Initial Diagnosis of Chronic Liver Disease Using Ensemble Learning. *IEEE Sensors Journal*, **2021**, 21, 19395-19406	4	4
294	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	5
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292	Impact of Inter-Gateway Distance on LoRaWAN Performance. *Electronics (Switzerland)*, **2021**, 10, 2197	2.6	1
291	Making assembly line in supply chain robust and secure using UHF RFID. *Scientific Reports*, **2021**, 11, 18041	4.9	8
290	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**, 1-1	4	2
289	An Ultrawideband Microfabricated Gold-based Antenna Array for Terahertz Communication. *IEEE Antennas and Wireless Propagation Letters*, **2021**, 1-1	3.8	6
288	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	1.9	
287	Design and development of a multi-functional bi-anisotropic metasurface with ultra-wide out of band transmission.. *Scientific Reports*, **2021**, 11, 24244	4.9	0
286	Wireless on Walls: Revolutionizing the Future of Health Care. *IEEE Antennas and Propagation Magazine*, **2020**, 0-0	1.7	2
285	A Robust Wearable Unique-Logo Wideband Antenna for 5G Applications **2020**,		1
284	Grand Challenges in IoT and Sensor Networks. *Frontiers in Communications and Networks*, **2020**, 1,	3.3	9
283	Energy Optimisation through Path Selection for Underwater Wireless Sensor Networks **2020**,		2
282	**2020**,		1
281	An Intelligent Non-Invasive Real-Time Human Activity Recognition System for Next-Generation Healthcare. *Sensors*, **2020**, 20,	3.8	54
280	Mobility Prediction-Based Optimisation and Encryption of Passenger Traffic-Flows Using Machine Learning. *Sensors*, **2020**, 20,	3.8	5
279	Seamless Indoor/Outdoor Coverage in 5G **2020**, 1-23		0
278	Intelligent handover decision scheme using double deep reinforcement learning. *Physical Communication*, **2020**, 42, 101133	2.2	14

277	Planar Pyramid Shaped UHF RFID Tag Antenna With Polarisation Diversity for IoT Applications Using Characteristics Mode Analysis. *IEEE Access*, **2020**, 8, 103684-103696	3.5	6
276	Robust and Efficient Integrated Antenna With EBG-DGS Enabled Wide Bandwidth for Wearable Medical Device Applications. *IEEE Access*, **2020**, 8, 56346-56358	3.5	19
275	Securing Internet of Medical Things with Friendly-jamming schemes. *Computer Communications*, **2020**, 160, 431-442	5.1	26
274	Sensor Fusion for Identification of Freezing of Gait Episodes Using Wi-Fi and Radar Imaging. *IEEE Sensors Journal*, **2020**, 20, 14410-14422	4	16
273	Miniaturized and Flexible FSS-Based EM Shields for Conformal Applications. *IEEE Transactions on Electromagnetic Compatibility*, **2020**, 62, 1703-1710	2	15
272	Teaching Embedded Systems for Energy Harvesting Applications: A Comparison of Teaching Methods Adopted in UESTC and KTH. *IEEE Access*, **2020**, 8, 50780-50791	3.5	2
271	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	1.5	2
270	Ultra-wideband Hybrid PICA Terahertz Antenna for High-Resolution Biomedical Imaging **2020**,		2
269	IoT Enabled Smart Fertilization and Irrigation Aid for Agricultural Purposes **2020**,		2
268	Internet of Things (IoT) Enabled Smart Indoor Air Quality Monitoring System **2020**,		8
267	Design of Dual-Band Wearable Crescent-Shaped Button Antenna for WLAN Applications. *Lecture Notes in Networks and Systems*, **2020**, 457-464	0.5	1
266	A Zero Placement Algorithm for Synthesis of Flat Top Beam Pattern With Low Sidelobe Level. *IEEE Access*, **2020**, 8, 225935-225944	3.5	1
265	Software Defined Radio Based Testbed for Large Scale Body Movements **2020**,		2
264	Internet of Things (IoT) enabled Smart Home Safety Barrier System **2020**,		2
263	Internet of Things (IoT) for Healthcare Application **2020**,		3
262	5G-FOG: Freezing of Gait Identification in Multi-class Softmax Neural Network Exploiting 5G Spectrum. *Advances in Intelligent Systems and Computing*, **2020**, 26-36	0.4	1
261	Machine Learning Driven Approach Towards the Quality Assessment of Fresh Fruits Using Non-Invasive Sensing. *IEEE Sensors Journal*, **2020**, 20, 2075-2083	4	29
260	Industrial Wireless Sensor Networks Overview **2020**, 1-17		2

259	Life-span Extension for Sensor Networks in the Industry **2020**, 19-45		
258	Multiple Access and Resource Sharing for Low Latency Critical Industrial Networks **2020**, 47-64		
257	Narrowband Internet of Things (NB-IoT) for Industrial Automation **2020**, 65-87		2
256	Ultra Reliable Low Latency Communications as an Enabler For Industry Automation **2020**, 89-107		1
255	Anomaly Detection and Self-healing in Industrial Wireless Networks **2020**, 109-139		
254	A Non-Event Based Approach for Non-Intrusive Load Monitoring **2020**, 173-191		1
253	Wireless Networked Control **2020**, 193-207		
252	Channel impulse response-based source localization in a diffusion-based molecular communication system. *Internet Technology Letters*, **2020**, 3, e143	1.3	1
251	An Overview of Electromagnetic Band-Gap Integrated Wearable Antennas. *IEEE Access*, **2020**, 8, 7641-7658	3.8	16
250	Non-Invasive Hydration Level Estimation in Human Body Using Galvanic Skin Response. *IEEE Sensors Journal*, **2020**, 20, 4891-4900	4	13
249	. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 4986-4996	11.9	12
248	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	6.8	8
247	Application of Terahertz Sensing at Nano-Scale for Precision Agriculture **2020**, 241-257		2
246	Caching at the Edge in Low Latency Wireless Networks **2020**, 209-240		1
245	Cost Efficiency Optimization for Industrial Automation **2020**, 141-171		1
244	Recent Advances of Wearable Antennas in Materials, Fabrication Methods, Designs, and Their Applications: State-of-the-Art. *Micromachines*, **2020**, 11,	3.3	20
243	Review and Critical Analysis of Privacy-Preserving Infection Tracking and Contact Tracing. *Frontiers in Communications and Networks*, **2020**, 1,	3.3	6
242	A Review of the State of the Art in Non-Contact Sensing for COVID-19. *Sensors*, **2020**, 20,	3.8	24

241	A Systematic Review of Non-Contact Sensing for Developing a Platform to Contain COVID-19. *Micromachines*, **2020**, 11,	3.3	10
240	A Recursive Calibration Approach for Smart Antenna Beamforming Frontend **2020**,		1
239	Energy and Performance Trade-Off Optimization in Heterogeneous Computing via Reinforcement Learning. *Electronics (Switzerland)*, **2020**, 9, 1812	2.6	16
238	The Role of Artificial Intelligence Driven 5G Networks in COVID-19 Outbreak: Opportunities, Challenges, and Future Outlook. *Frontiers in Communications and Networks*, **2020**, 1,	3.3	15
237	Mobility Management-Based Autonomous Energy-Aware Framework Using Machine Learning Approach in Dense Mobile Networks. *Signals*, **2020**, 1, 170-187	1.2	7
236	An Efficient and Robust Antenna Combined with Electromagnetic Band-Gap Structure for Wearable Medical Application. *Journal of Physics: Conference Series*, **2020**, 1529, 022108	0.3	1
235	. *IEEE Access*, **2020**, 8, 140079-140096	3.5	52
234	Design and Characterization of T/R Module for Commercial Beamforming Applications. *IEEE Access*, **2020**, 8, 130252-130262	3.5	4
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232	Multi-User Position Based on Trajectories-Aware Handover Strategy for Base Station Selection with Multi-Agent Learning **2020**,		3
231	Machine Learning Driven Method for Indoor Positioning Using Inertial Measurement Unit **2020**,		1
230	Travelers-Tracing and Mobility Profiling Using Machine Learning in Railway Systems **2020**,		8
229	Bit Error Rate Performance of In-vivo Radio Channel Using Maximum Likelihood Sequence Estimation **2020**,		2
228	Terahertz Antenna Array Based on a Hybrid Perovskite Structure. *IEEE Open Journal of Antennas and Propagation*, **2020**, 1, 464-471	1.9	6
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226	IoT Enabled Smart Security Framework for 3D Printed Smart Home **2020**,		1
225	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	3.5	41
224	A Novel Multi-Chaos Based Compressive Sensing Encryption Technique **2020**,		3

223	**2020**,		1
222	Location Dependent Channel Characteristics for Implantable Devices **2020**,		2
221	. *IEEE Transactions on Molecular, Biological, and Multi-Scale Communications*, **2020**, 6, 107-133	2.3	15
220	Reinforcement Learning for Scalable and Reliable Power Allocation in SDN-based Backscatter Heterogeneous Network **2020**,		10
219	Hardware-Based Hopfield Neuromorphic Computing for Fall Detection. *Sensors*, **2020**, 20,	3.8	6
218	Liquid-Sensing Metamaterial Ring Resonator in Millimeter-wave band for 5G Applications **2020**,		1
217	Diagnosis of the Hypopnea syndrome in the early stage. *Neural Computing and Applications*, **2020**, 32, 855-866	4.8	29
216	An Overview of Neuromorphic Computing for Artificial Intelligence Enabled Hardware-Based Hopfield Neural Network. *IEEE Access*, **2020**, 8, 67085-67099	3.5	15
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212	Electromagnetic Properties of Plant Leaves at Terahertz Frequencies for Health Status Monitoring **2019**,		1
211	Ultrathin Metamaterial Microwave Absorber Using Coconut Coir Fibre over X-Band Frequency Range **2019**,		2
210	. *IEEE Access*, **2019**, 7, 98946-98958	3.5	6
209	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	3.5	8
208	Terahertz Antenna based on Graphene for Wearable Applications **2019**,		2
207	Improve Tracking Speed of Beamformer With Simplified Zero Placement Algorithm **2019**,		1
206	Terahertz Sensing for Fruit Spoilage Monitoring **2019**,		3

205	Monitoring the Variability of Water Dynamics in Plant Leaves at Cellular Level Using Terahertz Sensing **2019**,		1
204	Flexible and Wearable Graphene-based Terahertz Antenna for Body-Centric Applications **2019**,		1
203	Cell Fault Management Using Machine Learning Techniques. *IEEE Access*, **2019**, 7, 124514-124539	3.5	13
202	State-of-the-art in terahertz sensing for food and water security A comprehensive review. *Trends in Food Science and Technology*, **2019**, 85, 241-251	15.3	51
201	Inkjet-printed UHF RFID tag based system for salinity and sugar detection. *Microwave and Optical Technology Letters*, **2019**, 61, 2161-2168	1.2	10
200	WBSN in IoT Health-Based Application: Toward Delay and Energy Consumption Minimization. *Journal of Sensors*, **2019**, 2019, 1-14	2	24
199	Post-surgical fall detection by exploiting the 5 G C-Band technology for eHealth paradigm. *Applied Soft Computing Journal*, **2019**, 81, 105537	7.5	11
198	Circular Polarized RFID Tag Antenna Design using Characteristic Mode Analysis **2019**,		5
197	Dielectric and Double Debye Parameters of Artificial Normal Skin and Melanoma. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2019**, 40, 657-672	2.2	6
196	Recent Advances in Fabrication Methods for Flexible Antennas in Wearable Devices: State of the Art. *Sensors*, **2019**, 19,	3.8	48
195	. *IEEE Access*, **2019**, 7, 10718-10733	3.5	2
194	Optimal Filter Length and Zero Padding Length Design for Universal Filtered Multi-Carrier (UFMC) System. *IEEE Access*, **2019**, 7, 21687-21701	3.5	6
193	S -Band Sensing-Based Motion Assessment Framework for Cerebellar Dysfunction Patients. *IEEE Sensors Journal*, **2019**, 19, 8460-8467	4	26
192	Characterization and Water Content Estimation Method of Living Plant Leaves Using Terahertz Waves. *Applied Sciences (Switzerland)*, **2019**, 9, 2781	2.6	14
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190	. *IEEE Access*, **2019**, 7, 183081-183090	3.5	10
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185	Reinforcement Learning Method for Beam Management in Millimeter-Wave Networks **2019**,		7
184	Orientation insensitive UHF RFID Tag Antenna with polarization diversity using Characteristic Mode Analysis **2019**,		2
183	Wearable UHF RFID Tag Antenna Design using Hilbert Fractal Structure **2019**,		3
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