

Raed Abd-Alhameed

List of Publications by Year in Descending Order

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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.

333
papers

3,591
citations

32
h-index

46
g-index

408
ext. papers

5,380
ext. citations

2.5
avg, IF

6.06
L-index

#	Paper	IF	Citations
333	A Jug-Shaped CPW-Fed Ultra-Wideband Printed Monopole Antenna for Wireless Communications Networks. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 821	2.6	6
332	Transparent 2-Element 5G MIMO Antenna for Sub-6 GHz Applications. <i>Electronics (Switzerland)</i> , 2022 , 11, 251	2.6	3
331	UWB CPW Fed 4-port connected ground MIMO antenna for sub-millimeter-wave 5G applications. <i>AEJ - Alexandria Engineering Journal</i> , 2022 , 61, 6645-6658	6.1	4
330	Wireless Electromagnetic Radiation Assessment Based on the Specific Absorption Rate (SAR): A Review Case Study. <i>Electronics (Switzerland)</i> , 2022 , 11, 511	2.6	2
329	Energy-Efficient RF for UDNs 2022 , 123-166		
328	UWB Phased Array Smartphone Antenna with Compact Radiators for MM-Wave 5G Applications. <i>PoliTO Springer Series</i> , 2022 , 243-253	0.4	
327	Compact and Highly Sensitive Bended Microwave Liquid Sensor Based on a Metamaterial Complementary Split-Ring Resonator. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 2144	2.6	2
326	A Wide-Angle Pattern Diversity Antenna System for mmWave 5G Mobile Terminals. <i>Electronics (Switzerland)</i> , 2022 , 11, 571	2.6	0
325	A Novel Meander Bowtie-Shaped Antenna with Multi-Resonant and Rejection Bands for Modern 5G Communications. <i>Electronics (Switzerland)</i> , 2022 , 11, 821	2.6	2
324	Design of an Analog RFID-Based Tag Antenna with Opened Circuited L-Shaped Stubs for Applications in Localization. <i>Electronics (Switzerland)</i> , 2022 , 11, 1027	2.6	1
323	A high gain multiband offset MIMO antenna based on a planar log-periodic array for Ku/K-band applications.. <i>Scientific Reports</i> , 2022 , 12, 4044	4.9	4
322	Detection and Diagnosis of Stator and Rotor Electrical Faults for Three-Phase Induction Motor via Wavelet Energy Approach. <i>Electronics (Switzerland)</i> , 2022 , 11, 1253	2.6	0
321	A New mm-Wave Antenna Array with Wideband Characteristics for Next Generation Communication Systems. <i>Electronics (Switzerland)</i> , 2022 , 11, 1560	2.6	1
320	Efficient Colour Image Encryption Algorithm Using a New Fractional-Order Memcapacitive Hyperchaotic System. <i>Electronics (Switzerland)</i> , 2022 , 11, 1505	2.6	1
319	A New Beamforming Approach Using 60 GHz Antenna Arrays for Multi-Beams 5G Applications. <i>Electronics (Switzerland)</i> , 2022 , 11, 1739	2.6	0
318	MIMO Antenna System for Modern 5G Handheld Devices with Healthcare and High Rate Delivery. <i>Sensors</i> , 2021 , 21,	3.8	8
317	Dual-Polarized Highly Folded Bowtie Antenna with Slotted Self-Grounded Structure for Sub-6 GHz 5G Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	17

316	A New Fractional-Order Chaotic System with Its Analysis, Synchronization, and Circuit Realization for Secure Communication Applications. <i>Mathematics</i> , 2021 , 9, 2593	2.3	5
315	A Compact 5G Antenna Array with Ultra-Wide Bandwidth for MM-Wave Smartphone Applications 2021 ,		3
314	Bandwidth and gain enhancement of composite right left handed metamaterial transmission line planar antenna employing a non foster impedance matching circuit board. <i>Scientific Reports</i> , 2021 , 11, 7472	4.9	3
313	Theoretical Study of the Input Impedance and Electromagnetic Field Distribution of a Dipole Antenna Printed on an Electrical/Magnetic Uniaxial Anisotropic Substrate. <i>Electronics (Switzerland)</i> , 2021 , 10, 1050	2.6	6
312	High-isolation antenna array using SIW and realized with a graphene layer for sub-terahertz wireless applications. <i>Scientific Reports</i> , 2021 , 11, 10218	4.9	21
311	8-Port Semi-Circular Arc MIMO Antenna with an Inverted L-Strip Loaded Connected Ground for UWB Applications. <i>Electronics (Switzerland)</i> , 2021 , 10, 1476	2.6	11
310	Optimum power transfer in RF front end systems using adaptive impedance matching technique. <i>Scientific Reports</i> , 2021 , 11, 11825	4.9	1
309	A New No Equilibrium Fractional Order Chaotic System, Dynamical Investigation, Synchronization, and Its Digital Implementation. <i>Inventions</i> , 2021 , 6, 49	2.9	4
308	Study on on-Chip Antenna Design Based on Metamaterial-Inspired and Substrate-Integrated Waveguide Properties for Millimetre-Wave and THz Integrated-Circuit Applications. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2021 , 42, 17-28	2.2	40
307	. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	9
306	Impedance Bandwidth Improvement of a Planar Antenna Based on Metamaterial-Inspired T-Matching Network. <i>IEEE Access</i> , 2021 , 9, 67916-67927	3.5	9
305	Secure Virtual Mobile Small Cells: A Stepping Stone Toward 6G. <i>IEEE Communications Standards Magazine</i> , 2021 , 1-15	3.3	5
304	A Review of Indoor Localization Techniques and Wireless Technologies. <i>Wireless Personal Communications</i> , 2021 , 119, 289-327	1.9	32
303	A Low-Cost Microwave Filter with Improved Passband and Stopband Characteristics Using Stub Loaded Multiple Mode Resonator for 5G Mid-Band Applications. <i>Electronics (Switzerland)</i> , 2021 , 10, 450	2.6	4
302	Singular Integral Formulations for Electrodynamical Analysis of Metamaterial-Inspired Antenna Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 179-183	3.8	4
301	Channel Impulse Response at 60 GHz and Impact of Electrical Parameters Properties on Ray Tracing Validations. <i>Electronics (Switzerland)</i> , 2021 , 10, 393	2.6	0
300	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 10953-10962	10.7	4
299	Flyback Photovoltaic Micro-Inverter with a Low Cost and Simple Digital-Analog Control Scheme. <i>Energies</i> , 2021 , 14, 4239	3.1	6

298	A New Optimization Algorithm Based on the Fungi Kingdom Expansion Behavior for Antenna Applications. <i>Electronics (Switzerland)</i> , 2021 , 10, 2057	2.6	
297	Ultra-Compact mm-Wave Monolithic IC Doherty Power Amplifier for Mobile Handsets. <i>Electronics (Switzerland)</i> , 2021 , 10, 2131	2.6	1
296	Effect analysis of the general complex reciprocal gyro-bianisotropic metamaterial medium on the input impedance of a printed dipole antenna. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 61, 3691-3691	6.1	2
295	Green and Highly Efficient MIMO Transceiver System for 5G Heterogenous Networks. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 1-1	4	1
294	. <i>IEEE Access</i> , 2021 , 9, 84910-84921	3.5	5
293	High-Security Image Encryption Based on a Novel Simple Fractional-Order Memristive Chaotic System with a Single Unstable Equilibrium Point. <i>Electronics (Switzerland)</i> , 2021 , 10, 3130	2.6	3
292	New Radiation Pattern-Reconfigurable 60-GHz Antenna for 5G Communications 2020 ,		5
291	A 10:1 Bandwidth Cryogenic Quadruple-Ridged Flared Horn Design for Reflector Antennas in Radio Astronomy. <i>IEEE Access</i> , 2020 , 8, 81101-81115	3.5	
290	Orthogonally dual-polarised MIMO antenna array with pattern diversity for use in 5G smartphones. <i>IET Microwaves, Antennas and Propagation</i> , 2020 , 14, 457-467	1.6	15
289	Design of Multi-Mode Antenna Array for Use in Next-Generation Mobile Handsets. <i>Sensors</i> , 2020 , 20,	3.8	6
288	EIGHT-PORT MIMO ANTENNA SYSTEM FOR 2.6 GHZ LTE CELLULAR COMMUNICATIONS. <i>Progress in Electromagnetics Research C</i> , 2020 , 99, 49-59	0.9	10
287	Indoor environment propagation review. <i>Computer Science Review</i> , 2020 , 37, 100272	8.3	3
286	High-Gain Metasurface in Polyimide On-Chip Antenna Based on CRLH-TL for Sub-Terahertz Integrated Circuits. <i>Scientific Reports</i> , 2020 , 10, 4298	4.9	35
285	PLC/HMI-Based Implementation of a Real-Time Educational Power System Protective Relays Platform. <i>Electronics (Switzerland)</i> , 2020 , 9, 118	2.6	0
284	A CLOSELY SPACED DUAL-BAND MIMO PATCH ANTENNA WITH REDUCED MUTUAL COUPLING FOR 4G/5G APPLICATIONS. <i>Progress in Electromagnetics Research C</i> , 2020 , 101, 71-80	0.9	9
283	Comparison of Surface Radio Refractivity Variability in the Northern and Southern Parts of Quebec, Canada. <i>Radio Science</i> , 2020 , 55, e2020RS007060	1.4	
282	Study on improvement of the performance parameters of a novel 0.41-0.47 THz on-chip antenna based on metasurface concept realized on 50nm GaAs-layer. <i>Scientific Reports</i> , 2020 , 10, 11034	4.9	32
281	A New and Compact Wide-Band Microstrip Filter-Antenna Design for 2.4 GHz ISM Band and 4G Applications. <i>Electronics (Switzerland)</i> , 2020 , 9, 1084	2.6	10

280	Design of a Wide-Band Microstrip Filtering Antenna with Modified Shaped Slots and SIR Structure. <i>Inventions</i> , 2020 , 5, 11	2.9	5
279	A New CPW-Fed Diversity Antenna for MIMO 5G Smartphones. <i>Electronics (Switzerland)</i> , 2020 , 9, 261	2.6	17
278	RFID RSS Fingerprinting System for Wearable Human Activity Recognition. <i>Future Internet</i> , 2020 , 12, 33	3.3	1
277	Isolation enhancement of densely packed array antennas with periodic MTM-photonic bandgap for SAR and MIMO systems. <i>IET Microwaves, Antennas and Propagation</i> , 2020 , 14, 183-188	1.6	39
276	Complex Bianisotropy Effect on the Propagation Constant of a Shielded Multilayered Coplanar Waveguide Using Improved Full Generalized Exponential Matrix Technique. <i>Electronics (Switzerland)</i> , 2020 , 9, 243	2.6	6
275	. <i>IEEE Access</i> , 2020 , 8, 23154-23168	3.5	14
274	Metasurface for Controlling Polarization of Scattered EM Waves 2020 ,		4
273	. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2020 , 4, 140-147	2.8	14
272	. <i>IEEE Access</i> , 2020 , 8, 64266-64277	3.5	0
271	Ultra-Wideband Diversity MIMO Antenna System for Future Mobile Handsets. <i>Sensors</i> , 2020 , 20,	3.8	10
270	A Survey of Differential-Fed Microstrip Bandpass Filters: Recent Techniques and Challenges. <i>Sensors</i> , 2020 , 20,	3.8	8
269	Metamaterial-Inspired Antenna Array for Application in Microwave Breast Imaging Systems for Tumor Detection. <i>IEEE Access</i> , 2020 , 8, 174667-174678	3.5	33
268	Study on the effect of the substrate material type and thickness on the performance of the filtering antenna design. <i>Telkomnika (Telecommunication Computing Electronics and Control)</i> , 2020 , 18, 72	1.4	6
267	Design and optimization of microstrip filtering antenna with modified shaped slots and SIR filter to improve the impedance bandwidth. <i>Telkomnika (Telecommunication Computing Electronics and Control)</i> , 2020 , 18, 545	1.4	3
266	Analysis of Chiral and Achiral Medium Based Coplanar Waveguide Using Improved Full Generalized Exponential Matrix Technique. <i>Radioengineering</i> , 2020 , 29, 591-600	0.8	3
265	2020 ,		3
264	Impedance Matching Network Based on Metasurfaces (2-D Metamaterials) for Electrically Small Antennas 2020 ,		2
263	Low-Profile and Closely Spaced Four-Element MIMO Antenna for Wireless Body Area Networks. <i>Electronics (Switzerland)</i> , 2020 , 9, 258	2.6	21

262	Reconfigurable Antennas: Switching Techniques A Survey. <i>Electronics (Switzerland)</i> , 2020 , 9, 336	2.6	32
261	A new hybrid approach for transient heat transfer analysis of convective-radiative fin of functionally graded material under Lorentz force. <i>Thermal Science and Engineering Progress</i> , 2020 , 16, 100467	3.6	2
260	Effects of particle fouling and magnetic field on porous fin for improved cooling of consumer electronics. <i>Heat Transfer</i> , 2020 , 49, 779-799	3.1	0
259	A Low Power Sigma-Delta Modulator with Hybrid Architecture. <i>Sensors</i> , 2020 , 20,	3.8	2
258	A broadband multiple-input multiple-output loop antenna array for 5G cellular communications. <i>AEU - International Journal of Electronics and Communications</i> , 2020 , 127, 153476	2.8	8
257	Construction of Projection Matrices Based on Non-Uniform Sampling Distribution for AoA Estimation. <i>IEEE Access</i> , 2020 , 8, 98369-98382	3.5	1
256	Mutual Coupling Effect on Three-Way Doherty Amplifier for Green Compact Mobile Communications 2020 ,		1
255	Compact Bandstop Microstrip Line Filter Using U-Shaped Slot. <i>IETE Journal of Research</i> , 2020 , 1-8	0.9	1
254	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 6330-6345	4.9	9
253	Multi-Mode Smartphone Antenna Array for 5G Massive MIMO Applications 2020 ,		3
252	DUAL CIRCULARLY POLARIZED CRESCENT-SHAPED SLOT ANTENNA FOR 5G FRONT-END SYSTEMS. <i>Progress in Electromagnetics Research Letters</i> , 2020 , 91, 41-48	0.5	2
251	High-Gain On-Chip Antenna Design on Silicon Layer With Aperture Excitation for Terahertz Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 1576-1580	3.8	42
250	A New Broadband MIMO Antenna System for Sub 6 GHz 5G Cellular Communications 2020 ,		1
249	Use of multiple mobile sinks in wireless sensor networks for large-scale areas. <i>IET Wireless Sensor Systems</i> , 2020 , 10, 175-180	1.6	4
248	A compact frequency reconfigurable DRA for GSM, LTE, and 5G applications services 2020 ,		1
247	A Survey on Reconfigurable Microstrip Filter Antenna Integration: Recent Developments and Challenges. <i>Electronics (Switzerland)</i> , 2020 , 9, 1249	2.6	5
246	. <i>IEEE Access</i> , 2020 , 8, 144778-144808	3.5	93
245	. <i>IEEE Access</i> , 2020 , 8, 192965-193004	3.5	124

244	Load-modulation technique without using quarter-wavelength transmission line. <i>IET Microwaves, Antennas and Propagation</i> , 2020 , 14, 1209-1215	1.6	2
243	A Varactor-Based Very Compact Tunable Filter with Wide Tuning Range for 4G and Sub-6 GHz 5G Communications. <i>Sensors</i> , 2020 , 20,	3.8	3
242	Compact Wideband MIMO Diversity Antenna for Mobile Applications Using Multi-Layered Structure. <i>Electronics (Switzerland)</i> , 2020 , 9, 1307	2.6	4
241	High Performance Metasurface-Based On-Chip Antenna for Terahertz Integrated Circuits 2020 ,		2
240	Improved adaptive impedance matching for RF front-end systems of wireless transceivers. <i>Scientific Reports</i> , 2020 , 10, 14065	4.9	15
239	An Autonomous Host-Based Intrusion Detection System for Android Mobile Devices. <i>Mobile Networks and Applications</i> , 2020 , 25, 164-172	2.9	16
238	On the duality between array beam-formers and MU-MISO precoders. <i>Telecommunication Systems</i> , 2020 , 73, 105-112	2.3	
237	Effect of bianisotropy on the characteristic impedance of a shielded microstrip line for wideband impedance matching applications. <i>Waves in Random and Complex Media</i> , 2020 , 1-14	1.9	6
236	New Pattern Reconfigurable Circular Disk Antenna Using Two PIN Diodes for WiMax/WiFi (IEEE 802.11a) Applications 2019 ,		3
235	Doherty Power Amplifier for LTE-Advanced Systems. <i>Technologies</i> , 2019 , 7, 60	2.4	2
234	The Impact of the Covariance Matrix Sampling on the Angle of Arrival Estimation Accuracy. <i>Inventions</i> , 2019 , 4, 43	2.9	4
233	Beam-scanning leaky-wave antenna based on CRLH-metamaterial for millimetre-wave applications. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 1129-1133	1.6	44
232	Mixed-coupling multi-function quint-wideband asymmetric stepped impedance resonator filter. <i>Microwave and Optical Technology Letters</i> , 2019 , 61, 1181-1184	1.2	7
231	Multi-Band MIMO Antenna Design with User-Impact Investigation for 4G and 5G Mobile Terminals. <i>Sensors</i> , 2019 , 19,	3.8	26
230	. <i>IEEE Access</i> , 2019 , 7, 15612-15622	3.5	82
229	Dual-Band Monopole Antenna for RFID Applications. <i>Future Internet</i> , 2019 , 11, 31	3.3	3
228	Super-Wide Impedance Bandwidth Planar Antenna for Microwave and Millimeter-Wave Applications. <i>Sensors</i> , 2019 , 19,	3.8	16
227	Local Average Signal Strength Estimation for Indoor Multipath Propagation. <i>IEEE Access</i> , 2019 , 7, 75166-75176	3.5	1763

226	SmartWall: Novel RFID-Enabled Ambient Human Activity Recognition Using Machine Learning for Unobtrusive Health Monitoring. <i>IEEE Access</i> , 2019 , 7, 68022-68033	3.5	33
225	High-Isolation Leaky-Wave Array Antenna Based on CRLH-Metamaterial Implemented on SIW with β 30o Frequency Beam-Scanning Capability at Millimetre-Waves. <i>Electronics (Switzerland)</i> , 2019 , 8, 642	2.6	46
224	Maximum Power Point Tracking for Photovoltaic System by Using Fuzzy Neural Network. <i>Inventions</i> , 2019 , 4, 33	2.9	12
223	Nonlinear thermal analysis of a convective-radiative longitudinal porous fin of functionally graded material for efficient cooling of consumer electronics. <i>International Journal of Ambient Energy</i> , 2019 , 1-15	2	6
222	Recent Developments of Dual-Band Doherty Power Amplifiers for Upcoming Mobile Communications Systems. <i>Electronics (Switzerland)</i> , 2019 , 8, 638	2.6	11
221	Mobile-Phone Antenna Array with Diamond-Ring Slot Elements for 5G Massive MIMO Systems. <i>Electronics (Switzerland)</i> , 2019 , 8, 521	2.6	27
220	Thermal Prediction of Convective-Radiative Porous Fin Heatsink of Functionally Graded Material Using Adomian Decomposition Method. <i>Computation</i> , 2019 , 7, 19	2.2	7
219	New multi-standard dual-wideband and quad-wideband asymmetric step impedance resonator filters with wide stop band restriction. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019 , 29, e21802	1.5	10
218	. <i>IEEE Access</i> , 2019 , 7, 51827-51840	3.5	67
217	Numerical Study of Performance of Porous Fin Heat Sink of Functionally Graded Material for Improved Thermal Management of Consumer Electronics. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2019 , 9, 1271-1283	1.7	12
216	Efficient global optimisation of microwave antennas based on a parallel surrogate model-assisted evolutionary algorithm. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 149-155	1.6	25
215	MM-Wave Phased Array Quasi-Yagi Antenna for the Upcoming 5G Cellular Communications. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 978	2.6	21
214	High gain CPW-fed UWB planar monopole antenna-based compact uniplanar frequency selective surface for microwave imaging. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019 , 29, e21757	1.5	13
213	Recent Developments of Reconfigurable Antennas for Current and Future Wireless Communication Systems. <i>Electronics (Switzerland)</i> , 2019 , 8, 128	2.6	47
212	Mutual Coupling Suppression Between Two Closely Placed Microstrip Patches Using EM-Bandgap Metamaterial Fractal Loading. <i>IEEE Access</i> , 2019 , 7, 23606-23614	3.5	79
211	Recent Progress in the Design of 4G/5G Reconfigurable Filters. <i>Electronics (Switzerland)</i> , 2019 , 8, 114	2.6	22
210	Design of multi-standard single/tri/quint-wideband asymmetric stepped-impedance resonator filters with adjustable TZs. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 1637-1645	1.6	6
209	Design, Simulation and Implementation of Very Compact Dual-band Microstrip Bandpass Filter for 4G and 5G Applications 2019 ,		5

208	Prediction of Solar Irradiance Based on Artificial Neural Networks. <i>Inventions</i> , 2019 , 4, 45	2.9	7
207	Millimeter Wave Antenna Design for 5G Applications 2019 , 139-156		3
206	Compact broadband frequency selective microstrip antenna and its application to indoor positioning systems for wireless networks. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 1142-1150	1.6	2
205	Long-Term Evolution of The Surface Refractivity for Arctic Regions. <i>Radio Science</i> , 2019 , 54, 602	1.4	2
204	Anti-windup scheme based on 2DOF-PID controller for velocity tracking of linear induction motor. <i>International Transactions on Electrical Energy Systems</i> , 2019 , 29, e12134	2.2	3
203	Transient thermal analysis and optimization of convective-radiative porous fin under the influence of magnetic field for efficient microprocessor cooling. <i>International Journal of Thermal Sciences</i> , 2019 , 145, 106019	4.1	18
202	A Survey on RF and Microwave Doherty Power Amplifier for Mobile Handset Applications. <i>Electronics (Switzerland)</i> , 2019 , 8, 717	2.6	7
201	Antennas for Emerging 5G Systems. <i>International Journal of Antennas and Propagation</i> , 2019 , 2019, 1-3	1.2	3
200	Surface Wave Reduction in Antenna Arrays Using Metasurface Inclusion for MIMO and SAR Systems. <i>Radio Science</i> , 2019 , 54, 1067-1075	1.4	29
199	Dynamic analysis model of a class E2 converter for low power wireless charging links. <i>IET Circuits, Devices and Systems</i> , 2019 , 13, 399-405	1.1	2
198	A Compact Semi-Circular and Arc-Shaped Slot Antenna for Heterogeneous RF Front-Ends. <i>Electronics (Switzerland)</i> , 2019 , 8, 1123	2.6	10
197	A More Efficient AOA Method for 2D and 3D Direction Estimation with Arbitrary Antenna Array Geometry. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2019 , 419-430	0.2	0
196	A New Polarization-Reconfigurable Antenna for 5G Wireless Communications. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2019 , 431-437	0.2	1
195	Amalgamation of Metamaterial and SIW Technologies for Realizing Wide-Bandwidth and High-Radiation Properties of On-Chip Antennas for Application in Packaging of Terahertz Components 2019 ,		1
194	Terahertz On-Chip Antenna Based on Metasurface and SIW with Stacked Layers of Resonators on GaAs Substrate 2019 ,		1
193	Efficient AI-Driven Design of Microwave Antennas Using PSADEA 2019 ,		3
192	Uniform Sampling Methodology to Construct Projection Matrices for Angle-of-Arrival Estimation Applications. <i>Electronics (Switzerland)</i> , 2019 , 8, 1386	2.6	3
191	Noise Cancellation for HIPERLAN/2 with Open Loop Transmit Diversity Technique. <i>Inventions</i> , 2019 , 4, 46	2.9	

190	A Novel 0.3-0.31 THz GaAs-Based Transceiver with On-Chip Slotted Metamaterial Antenna Based on SIW Technology 2019,			9
189	A Radiation-beam Switchable Antenna Array for 5G Smartphones 2019,			3
188	A Substrate-insensitive Antenna Array with Broad Bandwidth and High Efficiency for 5G Mobile Terminals 2019,			1
187	Gain Improvement of a UWB Antenna Using a Single-layer FSS 2019,			1
186	High-Performance Yagi-Uda Antenna Array for 28 GHz Mobile Communications 2019,			1
185	Automated Reconfigurable Antenna Impedance for Optimum Power Transfer 2019,			3
184	Overcome the Limitations of Performance Parameters of On-Chip Antennas Based on Metasurface and Coupled Feeding Approaches for Applications in System-on-Chip for THz Integrated-Circuits 2019,			5
183	A Stochastic Market-based Approach for Operation of Active Distribution Networks 2019,			1
182	Accelerating Retinal Fundus Image Classification Using Artificial Neural Networks (ANNs) and Reconfigurable Hardware (FPGA). <i>Electronics (Switzerland)</i> , 2019 , 8, 1522	2.6		12
181	2019,			3
180	Antenna for Ultra-Wideband Applications With Non-Uniform Defected Ground Plane and Offset Aperture-Coupled Cylindrical Dielectric Resonators. <i>IEEE Access</i> , 2019 , 7, 166776-166787	3.5		1
179	High-Performance 50 μ m Silicon-Based On-Chip Antenna with High Port-to-Port Isolation Implemented by Metamaterial and SIW Concepts for THz Integrated Systems 2019,			4
178	Design, Simulation and Implementation of Very Compact Open-loop Trisection BPF for 5G Communications 2019,			5
177	Load-Modulation Technique for Next Generation Mobile 2019,			1
176	Silicon-Based 0.450-0.475 THz Series-Fed Double Dielectric Resonator On-Chip Antenna Array Based on Metamaterial Properties for Integrated-Circuits 2019,			7
175	Design of mobile band subsurface antenna for drainage infrastructure monitoring. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 2380-2385	1.6		3
174	Frequency Reconfigurable Antenna Array with Compact End-Fire Radiators for 4G/5G Mobile Handsets 2019,			6
173	Numerical analysis of transient response of convective-radiative cooling fin with convective tip under magnetic field for reliable thermal management of electronic systems. <i>Thermal Science and Engineering Progress</i> , 2019 , 9, 289-298	3.6		8

172	Efficient Iterative Method for Investigation of Convective Radiative Porous Fin with Internal Heat Generation Under a Uniform Magnetic Field. <i>International Journal of Applied and Computational Mathematics</i> , 2019 , 5, 1	1.3	10
171	. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2019 , 9, 235-246	1.7	9
170	Optimal operation of distribution networks with high penetration of wind and solar power within a joint active and reactive distribution market environment. <i>Applied Energy</i> , 2018 , 220, 713-722	10.7	38
169	An Indoor Path Loss Prediction Model Using Wall Correction Factors for Wireless Local Area Network and 5G Indoor Networks. <i>Radio Science</i> , 2018 , 53, 544-564	1.4	11
168	On the effect of magnetic field on thermal performance of convective-radiative fin with temperature-dependent thermal conductivity. <i>Karbala International Journal of Modern Science</i> , 2018 , 4, 1-11	4.6	15
167	. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 616-625	8.9	12
166	Effects of particles deposition on thermal performance of a convective-radiative heat sink porous fin of an electronic component. <i>Thermal Science and Engineering Progress</i> , 2018 , 6, 177-185	3.6	23
165	Impact of Microstrip-Line Defected Ground Plane on Aperture-Coupled Asymmetric DRA for Ultra-Wideband Applications 2018 , 101-118		0
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163	Study on isolation improvement between closely-packed patch antenna arrays based on fractal metamaterial electromagnetic bandgap structures. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 2241-2247	1.6	71
162	Characterization of horn antenna loaded with CLL unit cell. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 1847-1856	1.2	1
161	Wideband printed monopole antenna for application in wireless communication systems. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 1222-1230	1.6	28
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159	On the Equivalence Between Eigen and Channel Inversion Based Precoders. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018 , 161-172	0.2	1
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156	. <i>IEEE Access</i> , 2018 , 6, 77529-77541	3.5	32
155	2018 ,		2

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151	Mutual-Coupling Reduction in Metamaterial Substrate Integrated Waveguide Slotted Antenna Arrays Using Metal Fence Isolators for SAR and MIMO Applications 2018 ,		2
150	2018 ,		2
149	A New Waveguide Slot Array Antenna with High Isolation and High Antenna Bandwidth Operation on Ku- and K-bands for Radar and MIMO Systems 2018 ,		3
148	Antenna Mutual Coupling Suppression Over Wideband Using Embedded Periphery Slot for Antenna Arrays. <i>Electronics (Switzerland)</i> , 2018 , 7, 198	2.6	41
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143	Indoor location identification technologies for real-time IoT-based applications: An inclusive survey. <i>Computer Science Review</i> , 2018 , 30, 55-79	8.3	46
142	Optimal Array size for Multiuser MIMO 2018 ,		1
141	Improved thermal management of computer microprocessors using cylindrical-coordinate micro-fin heat sink with artificial surface roughness 2018 , 21, 736-744		9
140	An Active Microwave Sensor for Near Field Imaging. <i>IEEE Sensors Journal</i> , 2017 , 17, 2749-2757	4	21
139	A Staircase-Shaped DGS Structure Monopole Antenna for UWB Operations. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2017 , 37-44	0.2	
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132	Unobtrusive mobile approach to patient location and orientation recognition for elderly care homes 2017 ,		4
131	Arc-shaped monopole antennas with reduced coupling for WLAN and WiMAX applications 2017 ,		1
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118	Miniaturized dual-band balanced antenna for LTE using meander lines 2016 ,		2
117	Aperture-coupled asymmetric dielectric resonator antenna with slotted microstrip line for enhanced ultrawideband 2016 ,		4
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100	Design of a small ultra wideband antenna using a genetic algorithm approach 2015 ,		2
99	Wireless Power Transmission principles and applications 2015 ,		1
98	Random matrix theory based spectrum sensing for cognitive radio networks 2015 ,		4
97	Crescent-shaped double-monopole antennas with reduced coupling for WLAN and WIMAX applications 2015 ,		3
96	Multipolarized/Multi-Band orthogonal MIMO antenna for WiFi and WiMax applications 2015 ,		1
95	Printed monopole antenna with tunable band-notched characteristic for use in mobile and ultra-wide band applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2015 , 25, 403-412	1.5	5
94	Development of educational Fuzzy control laboratory using PLC and HMI 2015 ,		3
93	The I shape antenna loaded with ZOR for WLAN and WiMax application 2015 ,		4
92	Surface refractivity profile and validation of measurements in Arabian Gulf region 2015 ,		1
91	A Multi-service Cluster-Based Decentralized Group Key Management Scheme for High Mobility Users. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015 , 305-312	0.2	
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87	Towards a green energy RF power amplifier for LTE applications 2015 ,		1
86	RSSI evaluation for multi-story building 2015 ,		2
85	A 2.45-GHz class-F power amplifier for CDMA systems 2015 ,		1
84	Compact size uni-planer small Metamaterial-Inspired antenna for UWB applications 2015 ,		1
83	Location based services using received Signal Strength algorithms 2015 ,		2

82	Two-Elements Crescent Shaped Printed Antenna for Wireless Applications. <i>Lecture Notes in Electrical Engineering</i> , 2015 , 195-203	0.2	
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76	Path loss evaluation for mobile-to-mobile wireless channel 2014 ,		2
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73	Microwave antennas for near field imaging 2014 ,		2
72	Efficient authenticated multi-service group key management for secure wireless mobile multicast 2014 ,		2
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56	. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 100-108	4.9	26
55	Comparison of orthogonal and biorthogonal wavelets for multicarrier systems 2013 ,		4
54	2013 ,		4
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38	A compact design of tunable band-notched ultrawideband antenna. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 1642-1644	1.2		3
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36	. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 2526-2530	4.9		16
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33	A Low Power Wireless Sensor Network for Gully Pot Monitoring in Urban Catchments. <i>IEEE Sensors Journal</i> , 2011,	4		13
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