

Raed Abd-Alhameed

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333
papers

3,591
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46
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408
ext. papers

5,380
ext. citations

2.5
avg, IF

6.06
L-index

#	Paper	IF	Citations
333	. <i>IEEE Access</i> , 2020 , 8, 192965-193004	3.5	124
332	. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 2028-2035	4.9	118
331	. <i>IEEE Access</i> , 2020 , 8, 144778-144808	3.5	93
330	Multiple Band-Notched UWB Antenna With Band-Rejected Elements Integrated in the Feed Line. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 3952-3960	4.9	88
329	. <i>IEEE Access</i> , 2019 , 7, 15612-15622	3.5	82
328	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
327	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
326	Single-Feed Ultra-Wideband Circularly Polarized Antenna With Enhanced Front-to-Back Ratio. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 355-360	4.9	69
325	. <i>IEEE Access</i> , 2019 , 7, 51827-51840	3.5	67
324	Design of frequency reconfigurable multiband compact antenna using two PIN diodes for WLAN/WiMAX applications. <i>IET Microwaves, Antennas and Propagation</i> , 2017 , 11, 1098-1105	1.6	66
323	Secure device-to-device communication in LTE-A 2014 , 52, 66-73		60
322	Compact Smart Antenna With Electronic Beam-Switching and Reconfigurable Polarizations. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 5325-5333	4.9	49
321	Recent Developments of Reconfigurable Antennas for Current and Future Wireless Communication Systems. <i>Electronics (Switzerland)</i> , 2019 , 8, 128	2.6	47
320	High-Isolation Leaky-Wave Array Antenna Based on CRLH-Metamaterial Implemented on SIW with $\pm 30^\circ$ Frequency Beam-Scanning Capability at Millimetre-Waves. <i>Electronics (Switzerland)</i> , 2019 , 8, 642	2.6	46
319	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
318	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
317	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

316	Antenna Mutual Coupling Suppression Over Wideband Using Embedded Periphery Slot for Antenna Arrays. <i>Electronics (Switzerland)</i> , 2018 , 7, 198	2.6	41
315	Interaction Between Closely Packed Array Antenna Elements Using Meta-Surface for Applications Such as MIMO Systems and Synthetic Aperture Radars. <i>Radio Science</i> , 2018 , 53, 1368-1381	1.4	41
314	Design of a uniplanar printed triple band-rejected ultra-wideband antenna using particle swarm optimisation and the firefly algorithm. <i>IET Microwaves, Antennas and Propagation</i> , 2016 , 10, 31-37	1.6	40
313	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
312	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
311	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
310	META-SURFACE WALL SUPPRESSION OF MUTUAL COUPLING BETWEEN MICROSTRIP PATCH ANTENNA ARRAYS FOR THZ-BAND APPLICATIONS. <i>Progress in Electromagnetics Research Letters</i> , 2018 , 75, 105-111	0.5	38
309	. <i>IEEE Access</i> , 2018 , 6, 35214-35222	3.5	37
308	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
307	A New Polarization-Reconfigurable Antenna for 5G Applications. <i>Electronics (Switzerland)</i> , 2018 , 7, 293	2.6	35
306	Ultra-Wideband Dual-Polarized Patch Antenna With Four Capacitively Coupled Feeds. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 2440-2449	4.9	34
305	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
304	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
303	Study on improvement of the performance parameters of a novel 0.41-0.47 THz on-chip antenna based on metasurface concept realized on 50 th GaAs-layer. <i>Scientific Reports</i> , 2020 , 10, 11034	4.9	32
302	Reconfigurable Antennas: Switching Techniques A Survey. <i>Electronics (Switzerland)</i> , 2020 , 9, 336	2.6	32
301	A Review of Indoor Localization Techniques and Wireless Technologies. <i>Wireless Personal Communications</i> , 2021 , 119, 289-327	1.9	32
300	. <i>IEEE Access</i> , 2018 , 6, 77529-77541	3.5	32
299	Probability Distribution of Rician KQS -Factor in Urban, Suburban and Rural Areas Using Real-World Captured Data. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 3835-3839	4.9	30

298	A Crescent-Shaped Multiband Planar Monopole Antenna for Mobile Wireless Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010 , 9, 152-155	3.8	30
297	New Formula for Conversion Efficiency of RF EH and Its Wireless Applications. <i>IEEE Transactions on Vehicular Technology</i> , 2016 , 65, 9410-9414	6.8	29
296	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
295	Wideband printed monopole antenna for application in wireless communication systems. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 1222-1230	1.6	28
294	Aperture-Coupled Asymmetric Dielectric Resonators Antenna for Wideband Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 927-930	3.8	28
293	Dual-Frequency Planar Inverted F-L-Antenna (PIFLA) for WLAN and Short Range Communication Systems. <i>IEEE Transactions on Antennas and Propagation</i> , 2008 , 56, 3318-3320	4.9	28
292	Mobile-Phone Antenna Array with Diamond-Ring Slot Elements for 5G Massive MIMO Systems. <i>Electronics (Switzerland)</i> , 2019 , 8, 521	2.6	27
291	DESIGN AND ANALYSIS OF PLANAR ULTRA-WIDEBAND ANTENNA WITH DUAL BAND-NOTCHED FUNCTION. <i>Progress in Electromagnetics Research</i> , 2012 , 127, 523-536	3.8	27
290	Multi-Band MIMO Antenna Design with User-Impact Investigation for 4G and 5G Mobile Terminals. <i>Sensors</i> , 2019 , 19,	3.8	26
289	. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 100-108	4.9	26
288	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
287	Miniaturized Tapered Slot Antenna With Signal Rejection in 5 β -GHz Band Using a Balun. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 507-510	3.8	24
286	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
285	Recent Progress in the Design of 4G/5G Reconfigurable Filters. <i>Electronics (Switzerland)</i> , 2019 , 8, 114	2.6	22
284	Absence of nonlinear responses in cells and tissues exposed to RF energy at mobile phone frequencies using a doubly resonant cavity. <i>Bioelectromagnetics</i> , 2010 , 31, 556-65	1.6	22
283	An Active Microwave Sensor for Near Field Imaging. <i>IEEE Sensors Journal</i> , 2017 , 17, 2749-2757	4	21
282	MM-Wave Phased Array Quasi-Yagi Antenna for the Upcoming 5G Cellular Communications. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 978	2.6	21
281	. <i>IEEE Transactions on Mobile Computing</i> , 2015 , 14, 1545-1559	4.6	21

280	Low-Profile and Closely Spaced Four-Element MIMO Antenna for Wireless Body Area Networks. <i>Electronics (Switzerland)</i> , 2020 , 9, 258	2.6	21
279	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
278	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
277	A New CPW-Fed Diversity Antenna for MIMO 5G Smartphones. <i>Electronics (Switzerland)</i> , 2020 , 9, 261	2.6	17
276	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
275	Super-Wide Impedance Bandwidth Planar Antenna for Microwave and Millimeter-Wave Applications. <i>Sensors</i> , 2019 , 19,	3.8	16
274	. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 2526-2530	4.9	16
273	An Autonomous Host-Based Intrusion Detection System for Android Mobile Devices. <i>Mobile Networks and Applications</i> , 2020 , 25, 164-172	2.9	16
272	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
271	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
270	Analysis of improved law companding technique for OFDM systems. <i>IEEE Transactions on Consumer Electronics</i> , 2017 , 63, 126-134	4.8	15
269	A SIMPLE AND COMPACT PLANAR ULTRA WIDEBAND ANTENNA WITH SINGLE OR DUAL BAND-NOTCHED CHARACTERISTICS. <i>Progress in Electromagnetics Research</i> , 2012 , 123, 47-65	3.8	15
268	. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010 , 9, 149-151	3.8	15
267	Improved adaptive impedance matching for RF front-end systems of wireless transceivers. <i>Scientific Reports</i> , 2020 , 10, 14065	4.9	15
266	. <i>IEEE Access</i> , 2020 , 8, 23154-23168	3.5	14
265	. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2020 , 4, 140-147	2.8	14
264	Gyro-chirality effect of bianisotropic substrate on the operational of rectangular microstrip patch antenna. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2016 , 51, 249-260	0.4	14
263	2017 ,		13

262	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
261	Design of a printed MIMO/diversity monopole antenna for future generation handheld devices. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2014 , 24, 348-359	1.5	13
260	A Low Power Wireless Sensor Network for Gully Pot Monitoring in Urban Catchments. <i>IEEE Sensors Journal</i> , 2011 ,	4	13
259	An Envelope Correlation Formula for(N,N)MIMO Antenna Arrays Using Input Scattering Parameters, and Including Power Losses. <i>International Journal of Antennas and Propagation</i> , 2011 , 2011, 1-7	1.2	13
258	Maximum Power Point Tracking for Photovoltaic System by Using Fuzzy Neural Network. <i>Inventions</i> , 2019 , 4, 33	2.9	12
257	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
256	. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 616-625	8.9	12
255	A new approach for designing orthogonal wavelets for multicarrier applications. <i>AEU - International Journal of Electronics and Communications</i> , 2014 , 68, 616-622	2.8	12
254	Compact-size linearly tapered slot antenna for portable ultra-wideband imaging systems. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2013 , 23, 290-299	1.5	12
253	Accelerating Retinal Fundus Image Classification Using Artificial Neural Networks (ANNs) and Reconfigurable Hardware (FPGA). <i>Electronics (Switzerland)</i> , 2019 , 8, 1522	2.6	12
252	Recent Developments of Dual-Band Doherty Power Amplifiers for Upcoming Mobile Communications Systems. <i>Electronics (Switzerland)</i> , 2019 , 8, 638	2.6	11
251	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
250	Performance of convective-radiative porous fin heat sink under the influence of particle deposition and adhesion for thermal enhancement of electronic components. <i>Karbala International Journal of Modern Science</i> , 2018 , 4, 297-312	4.6	11
249	Offset Aperture-Coupled Double-Cylinder Dielectric Resonator Antenna With Extended Wideband. <i>IEEE Transactions on Antennas and Propagation</i> , 2017 , 65, 5617-5622	4.9	11
248	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
247	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
246	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
245	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

244	Ultra-Wideband Diversity MIMO Antenna System for Future Mobile Handsets. <i>Sensors</i> , 2020 , 20,	3.8	10
243	A Compact Semi-Circular and Arc-Shaped Slot Antenna for Heterogeneous RF Front-Ends. <i>Electronics (Switzerland)</i> , 2019 , 8, 1123	2.6	10
242	A New Low Complexity Angle of Arrival Algorithm for 1D and 2D Direction Estimation in MIMO Smart Antenna Systems. <i>Sensors</i> , 2017 , 17,	3.8	10
241	Bandwidth Limitations on Linearly Polarized Microstrip Antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 250-257	4.9	10
240	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
239	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
238	Compact multiple input and multiple output/diversity antenna for portable and mobile ultra-wideband applications. <i>IET Microwaves, Antennas and Propagation</i> , 2013 , 7, 444-451	1.6	9
237	Computation of Electromagnetic Fields in Assemblages of Biological Cells Using a Modified Finite-Difference Time-Domain Scheme. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007 , 55, 1986-1994	4.1	9
236	A Compact UWB Antenna Design for Breast Cancer Detection. <i>Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium</i> , 2010 , 6, 129-132		9
235	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 6330-6345	4.9	9
234	A Novel 0.3-0.31 THz GaAs-Based Transceiver with On-Chip Slotted Metamaterial Antenna Based on SIW Technology 2019 ,		9
233	. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2019 , 9, 235-246	1.7	9
232	. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	9
231	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
230	Improved thermal management of computer microprocessors using cylindrical-coordinate micro-fin heat sink with artificial surface roughness 2018 , 21, 736-744		9
229	Balanced dual-segment cylindrical dielectric resonator antennas for ultra-wideband applications. <i>IET Microwaves, Antennas and Propagation</i> , 2015 , 9, 1478-1486	1.6	8
228	A Survey of Differential-Fed Microstrip Bandpass Filters: Recent Techniques and Challenges. <i>Sensors</i> , 2020 , 20,	3.8	8
227	Folded Loop Balanced Coplanar Antenna for WLAN Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2012 , 60, 4916-4920	4.9	8

226	SURFACE WAVES INVESTIGATION OF A BIANISOTROPIC CHIRAL SUBSTRATE RESONATOR. <i>Progress in Electromagnetics Research B</i> , 2012 , 40, 399-414	0.7	8
225	New circularly-polarised conical-beam microstrip patch antenna array for short-range communication systems. <i>Microwave and Optical Technology Letters</i> , 2009 , 51, 78-81	1.2	8
224	MIMO Antenna System for Modern 5G Handheld Devices with Healthcare and High Rate Delivery. <i>Sensors</i> , 2021 , 21,	3.8	8
223	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
222	SPECTRAL DOMAIN ANALYSIS OF GYROTROPIC ANISOTROPY CHIRAL EFFECT ON THE INPUT IMPEDANCE OF A PRINTED DIPOLE ANTENNA. <i>Progress in Electromagnetics Research M</i> , 2016 , 51, 1-8	0.6	8
221	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
220	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
219	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
218	Prediction of Solar Irradiance Based on Artificial Neural Networks. <i>Inventions</i> , 2019 , 4, 45	2.9	7
217	A Survey on RF and Microwave Doherty Power Amplifier for Mobile Handset Applications. <i>Electronics (Switzerland)</i> , 2019 , 8, 717	2.6	7
216	Compact microstrip antenna design for microwave imaging 2010 ,		7
215	A Wire-Grid Adaptive-Meshing Program for Microstrip-Patch Antenna Designs Using a Genetic Algorithm [EM Programmer's Notebook]. <i>IEEE Antennas and Propagation Magazine</i> , 2009 , 51, 147-151	1.7	7
214	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
213	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
212	A compact orthogonal wideband printed mimo antenna for WiFi/WLAN/LTE applications. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 1733-1738	1.2	6
211	Design of Multi-Mode Antenna Array for Use in Next-Generation Mobile Handsets. <i>Sensors</i> , 2020 , 20,	3.8	6
210	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
209	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

208	Statistical Analysis of Refractivity Gradient and β_0 Parameter in the Gulf Region. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 6250-6254	4.9	6
207	A compact wideband printed antenna for free-space radiometric detection of partial discharge. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2017 , 25, 1291-1299	0.9	6
206	Quadrifilar helical antenna design for satellite-mobile handsets using genetic algorithms. <i>Microwave and Optical Technology Letters</i> , 2009 , 51, 2668-2671	1.2	6
205	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
204	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
203	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
202	Frequency Reconfigurable Antenna Array with Compact End-Fire Radiators for 4G/5G Mobile Handsets 2019 ,		6
201	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
200	Flyback Photovoltaic Micro-Inverter with a Low Cost and Simple Digital-Analog Control Scheme. <i>Energies</i> , 2021 , 14, 4239	3.1	6
199	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
198	New Radiation Pattern-Reconfigurable 60-GHz Antenna for 5G Communications 2020 ,		5
197	Design of a Wide-Band Microstrip Filtering Antenna with Modified Shaped Slots and SIR Structure. <i>Inventions</i> , 2020 , 5, 11	2.9	5
196	Universal Intelligent Small Cell (UniSCell) for next generation cellular networks. <i>Digital Communications and Networks</i> , 2016 , 2, 167-174	5.9	5
195	Design, Simulation and Implementation of Very Compact Dual-band Microstrip Bandpass Filter for 4G and 5G Applications 2019 ,		5
194	Indoor localization using received signal strength 2013 ,		5
193	Full-Diversity QO-STBC Technique for Large-Antenna MIMO Systems. <i>Electronics (Switzerland)</i> , 2017 , 6, 37	2.6	5
192	Dual-segment S-shaped aperture-coupled cylindrical dielectric resonator antenna for X-band applications. <i>IET Microwaves, Antennas and Propagation</i> , 2015 , 9, 1673-1682	1.6	5
191	Investigation of using photovoltaic system at local residential community level 2014 ,		5

190	Small size tuneable printed F-slot antenna for mobile handset applications. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 794-802	1.2	5
189	Design of Wideband Balanced Folded-Arms Dipole Antenna for Mobile Handsets. <i>Electromagnetics</i> , 2009 , 29, 641-651	0.8	5
188	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
187	A Survey on Reconfigurable Microstrip FilterAntenna Integration: Recent Developments and Challenges. <i>Electronics (Switzerland)</i> , 2020 , 9, 1249	2.6	5
186	Evaluation of genetic algorithms, particle swarm optimisation, and firefly algorithms in antenna design 2016 ,		5
185	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
184	Design, Simulation and Implementation of Very Compact Open-loop Trisection BPF for 5G Communications 2019 ,		5
183	Secure Virtual Mobile Small Cells: A Stepping Stone Toward 6G. <i>IEEE Communications Standards Magazine</i> , 2021 , 1-15	3.3	5
182	Application of Approximate Analytical Technique Using the Homotopy Perturbation Method to Study the Inclination Effect on the Thermal Behavior of Porous Fin Heat Sink. <i>Mathematical and Computational Applications</i> , 2018 , 23, 62	1	5
181	. <i>IEEE Access</i> , 2021 , 9, 84910-84921	3.5	5
180	The Impact of the Covariance Matrix Sampling on the Angle of Arrival Estimation Accuracy. <i>Inventions</i> , 2019 , 4, 43	2.9	4
179	Random matrix theory based spectrum sensing for cognitive radio networks 2015 ,		4
178	Metasurface for Controlling Polarization of Scattered EM Waves 2020 ,		4
177	Miniaturized Balanced Antenna with Integrated Balun for Practical LTE Applications. <i>Radioengineering</i> , 2017 , 26, 444-452	0.8	4
176	Aperture-coupled asymmetric dielectric resonator antenna with slotted microstrip line for enhanced ultrawideband 2016 ,		4
175	A new robust and fragile watermarking scheme for images captured by mobile phone cameras 2013 ,		4
174	Unobtrusive mobile approach to patient location and orientation recognition for elderly care homes 2017 ,		4
173	The I shape antenna loaded with ZOR for WLAN and WiMax application 2015 ,		4

172	. <i>IEEE Transactions on Antennas and Propagation</i> , 2015 , 63, 4057-4068	4.9	4
171	Loop feed meander-line Antenna RFID tag design for UHF band 2014 ,		4
170	Comparison of orthogonal and biorthogonal wavelets for multicarrier systems 2013 ,		4
169	2013 ,		4
168	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
167	Design of Multiband Balanced Folded Dipole Antenna Based on a Dual-arm Structure for Mobile Handsets. <i>Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium</i> , 2008 , 4, 821-824		4
166	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
165	Compact Wideband MIMO Diversity Antenna for Mobile Applications Using Multi-Layered Structure. <i>Electronics (Switzerland)</i> , 2020 , 9, 1307	2.6	4
164	A New No Equilibrium Fractional Order Chaotic System, Dynamical Investigation, Synchronization, and Its Digital Implementation. <i>Inventions</i> , 2021 , 6, 49	2.9	4
163	Fuzzy Bionic Hand Control in Real-Time Based on Electromyography Signal Analysis. <i>Lecture Notes in Computer Science</i> , 2016 , 292-302	0.9	4
162	High-Performance 50µm Silicon-Based On-Chip Antenna with High Port-to-Port Isolation Implemented by Metamaterial and SIW Concepts for THz Integrated Systems 2019 ,		4
161	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
160	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
159	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 10953-10962	10.7	4
158	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
157	New Pattern Reconfigurable Circular Disk Antenna Using Two PIN Diodes for WiMax/WiFi (IEEE 802.11a) Applications 2019 ,		3
156	Dual-Band Monopole Antenna for RFID Applications. <i>Future Internet</i> , 2019 , 11, 31	3.3	3
155	Local Average Signal Strength Estimation for Indoor Multipath Propagation. <i>IEEE Access</i> , 2019 , 7, 75166-75176	3.5	3

154	Crescent-shaped double-monopole antennas with reduced coupling for WLAN and WIMAX applications 2015,		3
153	Indoor environment propagation review. <i>Computer Science Review</i> , 2020 , 37, 100272	8.3	3
152	Millimeter Wave Antenna Design for 5G Applications 2019 , 139-156		3
151	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
150	Antennas for Emerging 5G Systems. <i>International Journal of Antennas and Propagation</i> , 2019 , 2019, 1-3	1.2	3
149	A band-suppression UWB suspended planar antenna incorporating a slotted spiral resonator. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2013 , 23, 570-578	1.5	3
148	Development of educational Fuzzy control laboratory using PLC and HMI 2015,		3
147	New Approaches and Algorithms for the Analysis of Vertical Refractivity Profile Below 1 km in a Subtropical Region. <i>IEEE Transactions on Antennas and Propagation</i> , 2014 , 62, 6501-6505	4.9	3
146	Novel rekeying approach for secure multiple multicast groups over wireless mobile networks 2014,		3
145	A compact design of tunable band-notched ultrawideband antenna. <i>Microwave and Optical Technology Letters</i> , 2012 , 54, 1642-1644	1.2	3
144	Miniature Dual-Band and Wideband Planar Inverted F-L-Antennas for Wireless Local Area Network and Ultra-Wideband Applications. <i>Electromagnetics</i> , 2011 , 31, 233-245	0.8	3
143	Design of a PIFA with parasitic F-element miniaturized antenna assembly for lower band ultra-wideband and IEEE 802.11a applications. <i>Microwave and Optical Technology Letters</i> , 2011 , 53, 1970-1974	1.2	3
142	2010,		3
141	Design of energy efficient power amplifier for 4G user terminals 2010,		3
140	Design of a planar inverted F-L antenna (PIFLA) for lower-band UWB applications 2010,		3
139	Indoor Channel Measurement and Prediction for 802.11n System 2011,		3
138	Design of dual-band quadrifilar spiral antennas for satellite-mobile handsets. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 987-990	1.2	3
137	2006,		3

136	Transparent 2-Element 5G MIMO Antenna for Sub-6 GHz Applications. <i>Electronics (Switzerland)</i> , 2022 , 11, 251	2.6	3
135	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
134	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
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132	Compact Dual-band Balanced Handset Antenna for WLAN Application. <i>Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium</i> , 2010 , 6, 11-15		3
131	Wideband Loaded Wire Bow-tie Antenna for Near Field Imaging Using Genetic Algorithms. <i>Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium</i> , 2008 , 4, 591-595		3
130	Multi-Mode Smartphone Antenna Array for 5G Massive MIMO Applications 2020 ,		3
129	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
128	A Compact 5G Antenna Array with Ultra-Wide Bandwidth for MM-Wave Smartphone Applications 2021 ,		3
127	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
126	Efficient AI-Driven Design of Microwave Antennas Using PSADEA 2019 ,		3
125	Uniform Sampling Methodology to Construct Projection Matrices for Angle-of-Arrival Estimation Applications. <i>Electronics (Switzerland)</i> , 2019 , 8, 1386	2.6	3
124	A Radiation-beam Switchable Antenna Array for 5G Smartphones 2019 ,		3
123	Automated Reconfigurable Antenna Impedance for Optimum Power Transfer 2019 ,		3
122	2019 ,		3
121	Design of mobile band subsurface antenna for drainage infrastructure monitoring. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 2380-2385	1.6	3
120	New Approach to Suppress Mutual Coupling Between Longitudinal-Slotted Arrays Based on SIW Antenna Loaded with Metal-Fences Working on VHF/UHF Frequency-Bands: Study, Investigation, and Principle 2018 ,		3
119	A general design for multi-output ports planar Wilkinson power divider. <i>Microwave and Optical Technology Letters</i> , 2018 , 61, 578	1.2	3

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117	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
116	. <i>IEEE Access</i> , 2018 , 6, 52953-52968	3.5	3
115	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
114	Reduced ground plane aperture-coupled DRA fed by slotted microstrip for ultra-wideband application 2017 ,		2
113	A Compact CSRR Loaded Monopole Antenna with Defected Ground Structure For Mobile WLAN and WiMAX Applications. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2017 , 3-10	0.2	2
112	Doherty Power Amplifier for LTE-Advanced Systems. <i>Technologies</i> , 2019 , 7, 60	2.4	2
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110	Tunable RF MEMS Bandpass Filter with Coupled Transmission Lines. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015 , 335-340	0.2	2
109	Design of a small ultra wideband antenna using a genetic algorithm approach 2015 ,		2
108	Miniaturized dual-band balanced antenna for LTE using meander lines 2016 ,		2
107	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, 1142-1156	1.6	2
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104	Miniaturized tunable conical helix antenna 2014 ,		2
103	Path loss evaluation for mobile-to-mobile wireless channel 2014 ,		2
102	2013 ,		2
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100	RSSI evaluation for multi-story building 2015 ,		2
99	Location based services using received Signal Strength algorithms 2015 ,		2
98	Microwave antennas for near field imaging 2014 ,		2
97	Efficient authenticated multi-service group key management for secure wireless mobile multicast 2014 ,		2
96	Compact and closely spaced tunable printed F-slot multiple-input multiple-output antenna system for portable wireless applications with efficient diversity. <i>IET Science, Measurement and Technology</i> , 2014 , 8, 359-369	1.5	2
95	Energy efficient gully pot monitoring system using radio frequency identification (RFID) 2013 ,		2
94	HYBRID COMPUTATIONAL SCHEME FOR ANTENNA-HUMAN BODY INTERACTION. <i>Progress in Electromagnetics Research</i> , 2013 , 133, 117-136	3.8	2
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92	Analysis of the effect of EBG on the mutual coupling for a two-PIFA assembly 2010 ,		2
91	Reconfigurable antenna design approach for mobile applications and a technique for harmonics suppression 2011 ,		2
90	Miniaturised UWB antenna for a Wireless Body Area Network 2012 ,		2
89	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
88	Impedance Matching Network Based on Metasurfaces (2-D Metamaterials) for Electrically Small Antennas 2020 ,		2
87	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
86	A Low Power Sigma-Delta Modulator with Hybrid Architecture. <i>Sensors</i> , 2020 , 20,	3.8	2
85	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
84	Load-modulation technique without using quarter-wavelength transmission line. <i>IET Microwaves, Antennas and Propagation</i> , 2020 , 14, 1209-1215	1.6	2
83	High Performance Metasurface-Based On-Chip Antenna for Terahertz Integrated Circuits 2020 ,		2

82	An ultra wide band power divider for antenna array feeding network 2016,		2
81	2018,		2
80	Mutual-Coupling Reduction in Metamaterial Substrate Integrated Waveguide Slotted Antenna Arrays Using Metal Fence Isolators for SAR and MIMO Applications 2018,		2
79	2018,		2
78	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
77	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
76	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
75	Wireless Power Transmission principles and applications 2015,		1
74	Multipolarized/Multi-Band orthogonal MIMO antenna for WiFi and WiMax applications 2015,		1
73	RFID RSS Fingerprinting System for Wearable Human Activity Recognition. <i>Future Internet</i> , 2020 , 12, 33	3.3	1
72	Characterization of horn antenna loaded with CLL unit cell. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 1847-1856	1.2	1
71	Arc-shaped monopole antennas with reduced coupling for WLAN and WIMAX applications 2017,		1
70	Neurological assessment of music therapy on the brain using Emotiv Epoc 2017,		1
69	Performance comparative study between vector and ECOLOCATION algorithms for indoor positioning 2017,		1
68	Design and optimization of a bowtie dipole adjacent to dielectric material for through the wall imaging using hybrid electromagnetic computational analysis techniques 2017,		1
67	Surface refractivity profile and validation of measurements in Arabian Gulf region 2015,		1
66	A novel multi-standard dual-wide band polygon SLSIR filter 2015,		1
65	Towards a green energy RF power amplifier for LTE applications 2015,		1

64	A 2.45-GHz class-F power amplifier for CDMA systems 2015 ,		1
63	Compact size uni-planer small Metamaterial-Inspired antenna for UWB applications 2015 ,		1
62	Electromagnetic Field Computation for Power Transmission Lines Using Quasi-Static Sub-Gridding Finite-Difference Time-Domain Approach. <i>Electromagnetics</i> , 2014 , 34, 47-65	0.8	1
61	The Complete Surface-Current Distribution in a Normal-Mode Helical Antenna. <i>IEEE Antennas and Propagation Magazine</i> , 2012 , 54, 95-108	1.7	1
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59	A Novel Design of Microstrip Arrays for Relay-Based Wireless Network. <i>International Journal of Antennas and Propagation</i> , 2011 , 2011, 1-10	1.2	1
58	Design of a compact tuned antenna system for mobile MIMO applications 2012 ,		1
57	Four element antenna array working at 2.4/5.2 GHz for wireless USB dongle applications 2012 ,		1
56	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
55	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
54	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
53	Terahertz On-Chip Antenna Based on Metasurface and SIW with Stacked Layers of Resonators on GaAs Substrate 2019 ,		1
52	New and Less Complex Approach to Estimate Angles of Arrival. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2017 , 18-27	0.2	1
51	Construction of Projection Matrices Based on Non-Uniform Sampling Distribution for AoA Estimation. <i>IEEE Access</i> , 2020 , 8, 98369-98382	3.5	1
50	Mutual Coupling Effect on Three-Way Doherty Amplifier for Green Compact Mobile Communications 2020 ,		1
49	Compact Bandstop Microstrip Line Filter Using U-Shaped Slot. <i>IETE Journal of Research</i> , 2020 , 1-8	0.9	1
48	A New Broadband MIMO Antenna System for Sub 6 GHz 5G Cellular Communications 2020 ,		1
47	A compact frequency reconfigurable DRA for GSM, LTE, and 5G applications services 2020 ,		1

46	Wavelet Neural Networks for Speed Control of BLDC Motor		1
45	Optimum power transfer in RF front end systems using adaptive impedance matching technique. <i>Scientific Reports</i> , 2021 , 11, 11825	4.9	1
44	A Substrate-insensitive Antenna Array with Broad Bandwidth and High Efficiency for 5G Mobile Terminals 2019 ,		1
43	Gain Improvement of a UWB Antenna Using a Single-layer FSS 2019 ,		1
42	High-Performance Yagi-Uda Antenna Array for 28 GHz Mobile Communications 2019 ,		1
41	A Stochastic Market-based Approach for Operation of Active Distribution Networks 2019 ,		1
40	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
39	Load-Modulation Technique for Next Generation Mobile 2019 ,		1
38	Optimal Array size for Multiuser MIMO 2018 ,		1
37	Ultra-Compact mm-Wave Monolithic IC Doherty Power Amplifier for Mobile Handsets. <i>Electronics (Switzerland)</i> , 2021 , 10, 2131	2.6	1
36	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
35	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
34	A New mm-Wave Antenna Array with Wideband Characteristics for Next Generation Communication Systems. <i>Electronics (Switzerland)</i> , 2022 , 11, 1560	2.6	1
33	Efficient Colour Image Encryption Algorithm Using a New Fractional-Order Memcapacitive Hyperchaotic System. <i>Electronics (Switzerland)</i> , 2022 , 11, 1505	2.6	1
32	PLC/HMI-Based Implementation of a Real-Time Educational Power System Protective Relays Platform. <i>Electronics (Switzerland)</i> , 2020 , 9, 118	2.6	0
31	. <i>IEEE Access</i> , 2020 , 8, 64266-64277	3.5	0
30	Impact of Microstrip-Line Defected Ground Plane on Aperture-Coupled Asymmetric DRA for Ultra-Wideband Applications 2018 , 101-118		0
29	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

28	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
27	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
26	A Wide-Angle Pattern Diversity Antenna System for mmWave 5G Mobile Terminals. <i>Electronics (Switzerland)</i> , 2022 , 11, 571	2.6	0
25	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
24	A New Beamforming Approach Using 60 GHz Antenna Arrays for Multi-Beams 5G Applications. <i>Electronics (Switzerland)</i> , 2022 , 11, 1739	2.6	0
23	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	
22	A Printed Wideband MIMO Antenna for Mobile and Portable Communication Devices. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015 , 239-248	0.2	
21	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	
20	Comparison of Surface Radio Refractivity Variability in the Northern and Southern Parts of Quebec, Canada. <i>Radio Science</i> , 2020 , 55, e2020RS007060	1.4	
19	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	
18	Green Wireless Internet Technology. <i>IET Science, Measurement and Technology</i> , 2014 , 8, 337-341	1.5	
17	Corrections to Bandwidth Limitations on Linearly Polarized Microstrip Antennas [Feb 10 250-257]. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 1018-1018	4.9	
16	Folded and slotted internal antenna design for 3g IMT-2000 mobile handsets. <i>Microwave and Optical Technology Letters</i> , 2010 , 52, 1549-1553	1.2	
15	New analytical model for the radiation pattern of a TM ₀₂ mode circular patch antenna. <i>AEU - International Journal of Electronics and Communications</i> , 2006 , 60, 147-150	2.8	
14	Energy-Efficient RF for UDNs 2022 , 123-166		
13	Two-Elements Crescent Shaped Printed Antenna for Wireless Applications. <i>Lecture Notes in Electrical Engineering</i> , 2015 , 195-203	0.2	
12	A Miniaturised Monopole Wideband Antenna with Reconfigurable Band Rejection for WLAN/WiMAX. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015 , 298-304	0.2	
11	A New Approach for Implementing QO-STBC Over OFDM. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2015 , 249-259	0.2	

10	A 15.5 W Si-LDMOS Balanced Power Amplifier with 53% Ultimate PAE for High Speed LTE. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2017 , 193-201	0.2
9	A Si-LDMOS Doherty Power Amplifier for 2.620-2.690 GHz Applications. <i>Advanced Science Letters</i> , 2017 , 23, 3874-3878	0.1
8	Calibration model for detection of potential demodulating behaviour in biological media exposed to RF energy. <i>IET Science, Measurement and Technology</i> , 2017 , 11, 900-906	1.5
7	Measurement and Explanation of DC/RF Power Loci of an Active Patch Antenna. <i>ETRI Journal</i> , 2011 , 33, 6-12	1.4
6	Two Miniaturized Printed Dual-Band Spiral Antenna Designs for Satellite Communication Systems. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2013 , 81-86	0.2
5	Noise Cancellation for HIPERLAN/2 with Open Loop Transmit Diversity Technique. <i>Inventions</i> , 2019 , 4, 46	2.9
4	On the duality between array beam-formers and MU-MISO precoders. <i>Telecommunication Systems</i> , 2020 , 73, 105-112	2.3
3	Slotted Printed Monopole UWB Antennas with Tunable Rejection Bands for WLAN/WiMAX and X-Band Coexistence. <i>Radioengineering</i> , 2018 , 27, 694-702	0.8
2	A New Optimization Algorithm Based on the Fungi Kingdom Expansion Behavior for Antenna Applications. <i>Electronics (Switzerland)</i> , 2021 , 10, 2057	2.6
1	UWB Phased Array Smartphone Antenna with Compact Radiators for MM-Wave 5G Applications. <i>PoliTO Springer Series</i> , 2022 , 243-253	0.4