Mohammad Tariqul Islam

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4685888/publications.pdf

Version: 2024-02-01

546 papers	11,023 citations	50170 46 h-index	64668 79 g-index
551 all docs	551 docs citations	551 times ranked	5060 citing authors

#	Article	IF	Citations
1	Can AI Help in Screening Viral and COVID-19 Pneumonia?. IEEE Access, 2020, 8, 132665-132676.	2.6	1,080
2	Exploring the effect of image enhancement techniques on COVID-19 detection using chest X-ray images. Computers in Biology and Medicine, 2021, 132, 104319.	3.9	521
3	Reliable Tuberculosis Detection Using Chest X-Ray With Deep Learning, Segmentation and Visualization. IEEE Access, 2020, 8, 191586-191601.	2.6	243
4	Compact Tapered-Shape Slot Antenna for UWB Applications. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1190-1193.	2.4	211
5	A Low Cost and Portable Microwave Imaging System for Breast Tumor Detection Using UWB Directional Antenna array. Scientific Reports, 2019, 9, 15491.	1.6	124
6	An Internet of Things Based Smart Waste Management System Using LoRa and Tensorflow Deep Learning Model. IEEE Access, 2020, 8, 148793-148811.	2.6	115
7	Automatic and Reliable Leaf Disease Detection Using Deep Learning Techniques. AgriEngineering, 2021, 3, 294-312.	1.7	115
8	Dual Band Metamaterial Antenna For LTE/Bluetooth/WiMAX System. Scientific Reports, 2018, 8, 1240.	1.6	97
9	BROADBAND E-H SHAPED MICROSTRIP PATCH ANTENNA FOR WIRELESS SYSTEMS. Progress in Electromagnetics Research, 2009, 98, 163-173.	1.6	94
10	A Low Profile, Dual-band, Dual Polarized Antenna for Indoor/Outdoor Wearable Application. IEEE Access, 2019, 7, 33277-33288.	2.6	94
11	A Miniaturized Antenna with Negative Index Metamaterial Based on Modified SRR and CLS Unit Cell for UWB Microwave Imaging Applications. Materials, 2015, 8, 392-407.	1.3	93
12	TRIPLE BAND-NOTCHED PLANAR UWB ANTENNA USING PARASITIC STRIPS. Progress in Electromagnetics Research, 2012, 129, 161-179.	1.6	92
13	DESIGN OF A NOVEL SUPER WIDE BAND CIRCULAR-HEXAGONAL FRACTAL ANTENNA. Progress in Electromagnetics Research, 2013, 139, 229-245.	1.6	89
14	CIRCULAR MICROSTRIP SLOT ANTENNA FOR DUAL-FREQUENCY RFID APPLICATION. Progress in Electromagnetics Research, 2011, 120, 499-512.	1.6	86
15	A Near Zero Refractive Index Metamaterial for Electromagnetic Invisibility Cloaking Operation. Materials, 2015, 8, 4790-4804.	1.3	82
16	A Novel High-Gain Dual-Band Antenna for RFID Reader Applications. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 653-656.	2.4	80
17	Monitoring of the Human Body Signal through the Internet of Things (IoT) Based LoRa Wireless Network System. Applied Sciences (Switzerland), 2019, 9, 1884.	1.3	79
18	Development of Electromagnetic Band Gap Structures in the Perspective of Microstrip Antenna Design. International Journal of Antennas and Propagation, 2013, 2013, 1-22.	0.7	78

#	Article	IF	Citations
19	A New Compact Double-Negative Miniaturized Metamaterial for Wideband Operation. Materials, 2016, 9, 830.	1.3	78
20	A Modified Meander Line Microstrip Patch Antenna With Enhanced Bandwidth for 2.4 GHz ISM-Band Internet of Things (IoT) Applications. IEEE Access, 2019, 7, 127850-127861.	2.6	77
21	A Polarization Independent Quasi-TEM Metamaterial Absorber for X and Ku Band Sensing Applications. Sensors, 2018, 18, 4209.	2.1	75
22	MULTI-SLOTTED MICROSTRIP PATCH ANTENNA FOR WIRELESS COMMUNICATION. Progress in Electromagnetics Research Letters, 2009, 10, 11-18.	0.4	74
23	A Negative Index Metamaterial-Inspired UWB Antenna with an Integration of Complementary SRR and CLS Unit Cells for Microwave Imaging Sensor Applications. Sensors, 2015, 15, 11601-11627.	2.1	74
24	DESIGN ANALYSIS OF HIGH GAIN WIDEBAND L-PROBE FED MICROSTRIP PATCH ANTENNA. Progress in Electromagnetics Research, 2009, 95, 397-407.	1.6	71
25	Microwave Imaging for Breast Tumor Detection Using Uniplanar AMC Based CPW-Fed Microstrip Antenna. IEEE Access, 2018, 6, 44763-44775.	2.6	71
26	DESIGN ANALYSIS OF NEW METAMATERIAL FOR EM ABSORPTION REDUCTION. Progress in Electromagnetics Research, 2012, 124, 119-135.	1.6	70
27	The Design and Analysis of a Novel Split-H-Shaped Metamaterial for Multi-Band Microwave Applications. Materials, 2014, 7, 4994-5011.	1.3	70
28	Electromagnetic Performances Analysis of an Ultra-wideband and Flexible Material Antenna in Microwave Breast Imaging: To Implement A Wearable Medical Bra. Scientific Reports, 2016, 6, 38906.	1.6	65
29	A compact circularâ€ring antenna for ultraâ€wideband applications. Microwave and Optical Technology Letters, 2011, 53, 2283-2288.	0.9	64
30	Dual Band-Notch UWB Antenna With Single Tri-Arm Resonator. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 670-673.	2.4	64
31	A semicircular shaped super wideband patch antenna with high bandwidth dimension ratio. Microwave and Optical Technology Letters, 2015, 57, 445-452.	0.9	64
32	Compact Antenna for Small Satellite Applications [Antenna Applications Corner]. IEEE Antennas and Propagation Magazine, 2015, 57, 30-36.	1.2	63
33	COMPACT PLANAR UWB ANTENNA WITH BAND NOTCH CHARACTERISTICS FOR WLAN AND DSRC. Progress in Electromagnetics Research, 2013, 133, 391-406.	1.6	61
34	A NOVEL COMPACT SPLIT RING SLOTTED ELECTROMAGNETIC BANDGAP STRUCTURE FOR MICROSTRIP PATCH ANTENNA PERFORMANCE ENHANCEMENT. Progress in Electromagnetics Research, 2012, 130, 389-409.	1.6	59
35	Unidirectional Wideband 3-D Antenna for Human Head-Imaging Application. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 169-172.	2.4	59
36	DESIGN ANALYSIS OF FERRITE SHEET ATTACHMENT FOR SAR REDUCTION IN HUMAN HEAD. Progress in Electromagnetics Research, 2009, 98, 191-205.	1.6	58

#	Article	IF	Citations
37	A complementary split ring resonator based metamaterial with effective medium ratio for C-band microwave applications. Results in Physics, 2019, 15, 102675.	2.0	58
38	A Homogeneous Breast Phantom Measurement System with an Improved Modified Microwave Imaging Antenna Sensor. Sensors, 2018, 18, 2962.	2.1	55
39	Quad band metamaterial absorber based on asymmetric circular split ring resonator for multiband microwave applications. Results in Physics, 2020, 19, 103467.	2.0	55
40	DESIGN OF A COMPACT ULTRAWIDEBAND METAMATERIAL ANTENNA BASED ON THE MODIFIED SPLIT-RING RESONATOR AND CAPACITIVELY LOADED STRIPS UNIT CELL. Progress in Electromagnetics Research, 2013, 136, 157-173.	1.6	54
41	Split ring resonator loaded horizontally inverse double L-shaped metamaterial for C-, X- and Ku-Band Microwave applications. Results in Physics, 2019, 12, 2112-2122.	2.0	54
42	A Gap Coupled Hexagonal Split Ring Resonator Based Metamaterial for S-Band and X-Band Microwave Applications. IEEE Access, 2020, 8, 68239-68253.	2.6	54
43	Triple band microwave metamaterial absorber based on double E-shaped symmetric split ring resonators for EMI shielding and stealth applications. Journal of Materials Research and Technology, 2022, 18, 1653-1668.	2.6	53
44	Design and parametric analysis of a wide-angle polarization-insensitive metamaterial absorber with a star shape resonator for optical wavelength applications. Results in Physics, 2020, 18, 103259.	2.0	52
45	A New Wide-Band Double-Negative Metamaterial for C- and S-Band Applications. Materials, 2015, 8, 57-71.	1.3	51
46	Analysis of Electromagnetic Absorption in Mobile Phones Using Metamaterials. Electromagnetics, 2011, 31, 215-232.	0.3	50
47	Microwave Imaging Sensor Using Compact Metamaterial UWB Antenna with a High Correlation Factor. Materials, 2015, 8, 4631-4651.	1.3	49
48	A high performance UWB antenna design for microwave imaging system. Microwave and Optical Technology Letters, 2016, 58, 1824-1831.	0.9	48
49	Study of Specific Absorption Rate (SAR) in the human head by metamaterial attachment. IEICE Electronics Express, 2010, 7, 240-246.	0.3	46
50	Ultra-Wideband (UWB) Antenna Sensor Based Microwave Breast Imaging: A Review. Sensors, 2018, 18, 2951.	2.1	46
51	Polarization insensitivity characterization of dual-band perfect metamaterial absorber for K band sensing applications. Scientific Reports, 2021, 11, 17829.	1.6	46
52	Experimental Breast Phantoms for Estimation of Breast Tumor Using Microwave Imaging Systems. IEEE Access, 2018, 6, 78587-78597.	2.6	45
53	Left-Handed Metamaterial-Inspired Unit Cell for S-Band Glucose Sensing Application. Sensors, 2019, 19, 169.	2.1	45
54	Slot Loaded Circular Microstrip Antenna with Meandered Slits. Journal of Electromagnetic Waves and Applications, 2011, 25, 1851-1862.	1.0	44

#	Article	IF	Citations
55	A new double L-shaped multiband patch antenna on a polymer resin material substrate. Applied Physics A: Materials Science and Processing, 2013, 110, 199-205.	1.1	44
56	A New Metasurface Superstrate Structure for Antenna Performance Enhancement. Materials, 2013, 6, 3226-3240.	1.3	44
57	An Object-Independent ENZ Metamaterial-Based Wideband Electromagnetic Cloak. Scientific Reports, 2016, 6, 33624.	1.6	44
58	Flexible wideband antenna for 5G applications. Microwave and Optical Technology Letters, 2018, 60, 38-44.	0.9	43
59	A Compact UWB Antenna with Independently Controllable Notch Bands. Sensors, 2019, 19, 1411.	2.1	43
60	REDUCTION OF SPECIFIC ABSORPTION RATE (SAR) IN THE HUMAN HEAD WITH FERRITE MATERIAL AND METAMATERIAL. Progress in Electromagnetics Research C, 2009, 9, 47-58.	0.6	42
61	Paper-Based Flexible Antenna for Wearable Telemedicine Applications at 2.4 GHz ISM Band. Sensors, 2018, 18, 4214.	2.1	42
62	Wide Bandwidth Angle- and Polarization-Insensitive Symmetric Metamaterial Absorber for X and Ku Band Applications. Scientific Reports, 2020, 10, 10338.	1.6	42
63	Electromagnetic (EM) absorption reduction in a muscle cube with metamaterial attachment. Medical Engineering and Physics, 2011, 33, 646-652.	0.8	41
64	Metasurface Loaded High Gain Antenna based Microwave Imaging using Iteratively Corrected Delay Multiply and Sum Algorithm. Scientific Reports, 2019, 9, 17317.	1.6	41
65	Hexagonal Shaped Near Zero Index (NZI) Metamaterial Based MIMO Antenna for Millimeter-Wave Application. IEEE Access, 2020, 8, 181003-181013.	2.6	41
66	A Near-Zero Refractive Index Meta-Surface Structure for Antenna Performance Improvement. Materials, 2013, 6, 5058-5068.	1.3	40
67	Breast Phantom Imaging Using Iteratively Corrected Coherence Factor Delay and Sum. IEEE Access, 2019, 7, 40822-40832.	2.6	40
68	Planar UWB antenna with multiâ€slotted ground plane. Microwave and Optical Technology Letters, 2011, 53, 966-968.	0.9	38
69	Dual-Band Operation of a Microstrip Patch Antenna on a Duroid 5870 Substrate for Ku- and K-Bands. Scientific World Journal, The, 2013, 2013, 1-10.	0.8	38
70	Microwave Breast Phantom Measurement System With Compact Side Slotted Directional Antenna. IEEE Access, 2017, 5, 5321-5330.	2.6	37
71	Polarization insensitive symmetrical structured double negative (DNG) metamaterial absorber for Ku-band sensing applications. Scientific Reports, 2022, 12, 479.	1.6	37
72	A Compact Printed Monopole Antenna With Wideband Circular Polarization. IEEE Access, 2018, 6, 54713-54725.	2.6	36

#	Article	IF	Citations
73	Polarization-dependent tunneled metamaterial structure with enhanced fields properties for X-band application. Results in Physics, 2019, 15, 102530.	2.0	36
74	IoT Based Health Monitoring System with LoRa Communication Technology. , 2019, , .		36
75	A dual band left-handed metamaterial-enabled design for satellite applications. Results in Physics, 2020, 16, 102942.	2.0	36
76	Compact Ultra-Wideband Monopole Antenna Loaded with Metamaterial. Sensors, 2020, 20, 796.	2.1	36
77	Adaptive beamforming algorithms for smart antenna systems. , 2008, , .		35
78	Printed Planar Antenna for Wideband Applications. Journal of Infrared, Millimeter, and Terahertz Waves, 2010, 31, 969.	1.2	35
79	Microstrip Line-fed Printed Planar Monopole Antenna for UWB Applications. Arabian Journal for Science and Engineering, 2013, 38, 2415-2422.	1.1	35
80	Detection of Salt and Sugar Contents in Water on the Basis of Dielectric Properties Using Microstrip Antenna-Based Sensor. IEEE Access, 2018, 6, 4118-4126.	2.6	35
81	A Wide Incident Angle, Ultrathin, Polarization-Insensitive Metamaterial Absorber for Optical Wavelength Applications. IEEE Access, 2020, 8, 129525-129541.	2.6	35
82	A Multi-Band Near Perfect Polarization and Angular Insensitive Metamaterial Absorber With a Simple Octagonal Resonator for Visible Wavelength. IEEE Access, 2021, 9, 117746-117760.	2.6	35
83	Multimodal EEG and Keystroke Dynamics Based Biometric System Using Machine Learning Algorithms. IEEE Access, 2021, 9, 94625-94643.	2.6	35
84	Design of a patch antenna for ultra wide band applications. Microwave and Optical Technology Letters, 2016, 58, 2152-2156.	0.9	34
85	Flexible Radio-Frequency Identification (RFID) Tag Antenna for Sensor Applications. Sensors, 2018, 18, 4212.	2.1	34
86	Electrically Compact SRR-Loaded Metamaterial Inspired Quad Band Antenna for Bluetooth/WiFi/WLAN/WiMAX System. Electronics (Switzerland), 2019, 8, 790.	1.8	34
87	Modified-Segmented Split-Ring Based Polarization and Angle-Insensitive Multi-Band Metamaterial Absorber for X, Ku and K Band Applications. IEEE Access, 2020, 8, 144051-144063.	2.6	34
88	Metamaterial Cell-Based Superstrate towards Bandwidth and Gain Enhancement of Quad-Band CPW-Fed Antenna for Wireless Applications. Sensors, 2020, 20, 457.	2.1	34
89	Metamaterial array based meander line planar antenna for cube satellite communication. Scientific Reports, 2021, 11, 14087.	1.6	34
90	A Compact Ultrawideband Antenna Based on Hexagonal Split-Ring Resonator for pH Sensor Application. Sensors, 2018, 18, 2959.	2.1	33

#	Article	IF	Citations
91	An Octagonal Ring-shaped Parasitic Resonator Based Compact Ultrawideband Antenna for Microwave Imaging Applications. Sensors, 2020, 20, 1354.	2.1	33
92	Analysis on the effect of the distances and inclination angles between human head and mobile phone on SAR. Progress in Biophysics and Molecular Biology, 2015, 119, 103-110.	1.4	32
93	A Negative Index Metamaterial to Enhance the Performance of Miniaturized UWB Antenna for Microwave Imaging Applications. Applied Sciences (Switzerland), 2017, 7, 1149.	1.3	32
94	Design of Miniaturized Double-Negative Material for Specific Absorption Rate Reduction in Human Head. PLoS ONE, 2014, 9, e109947.	1.1	32
95	Compact Left-Handed Meta-Atom for S-, C- and Ku-Band Application. Applied Sciences (Switzerland), 2017, 7, 1071.	1.3	31
96	Review on Medical Implantable Antenna Technology and Imminent Research Challenges. Sensors, 2021, 21, 3163.	2.1	31
97	Design of High Impedance Electromagnetic Surfaces for Mutual Coupling Reduction in Patch Antenna Array. Materials, 2013, 6, 143-155.	1.3	30
98	Design and analysis of a new composite double negative metamaterial for multi-band communication. Current Applied Physics, 2017, 17, 931-939.	1.1	30
99	Compact microstrip patch antenna proclaiming super wideband characteristics. Microwave and Optical Technology Letters, 2017, 59, 2563-2570.	0.9	30
100	Eight-Port Metamaterial Loaded UWB-MIMO Antenna System for 3D System-in-Package Applications. IEEE Access, 2020, 8, 106982-106992.	2.6	30
101	A Shallow U-Net Architecture for Reliably Predicting Blood Pressure (BP) from Photoplethysmogram (PPG) and Electrocardiogram (ECG) Signals. Sensors, 2022, 22, 919.	2.1	30
102	SAR reduction in a muscle cube with metamaterial attachment. Applied Physics A: Materials Science and Processing, 2011, 103, 367-372.	1.1	29
103	A New Design of Metamaterials for SAR Reduction. Measurement Science Review, 2013, 13, 70-74.	0.6	29
104	Polarization-insensitive infrared-visible perfect metamaterial absorber and permittivity sensor. Results in Physics, 2019, 14, 102429.	2.0	29
105	Development and Validation of an Early Scoring System for Prediction of Disease Severity in COVID-19 Using Complete Blood Count Parameters. IEEE Access, 2021, 9, 120422-120441.	2.6	29
106	Deep Learning for Reliable Classification of COVID-19, MERS, and SARS from Chest X-ray Images. Cognitive Computation, 2022, 14, 1752-1772.	3.6	29
107	Radio Frequency Energy Harvesting Technologies: A Comprehensive Review on Designing, Methodologies, and Potential Applications. Sensors, 2022, 22, 4144.	2.1	29
108	Design of an X-band microstrip patch antenna with enhanced bandwidth. , 2013, , .		28

#	Article	IF	Citations
109	Flexible nickel aluminate (NiAl2O4) based dual-band double negative metamaterial for microwave applications. Results in Physics, 2019, 14, 102524.	2.0	28
110	A Grounded Coplanar Waveguide-Based Slotted Inverted Delta-Shaped Wideband Antenna for Microwave Head Imaging. IEEE Access, 2020, 8, 185698-185724.	2.6	28
111	A CNN-Based Smart Waste Management System Using TensorFlow Lite and LoRa-GPS Shield in Internet of Things Environment. IEEE Access, 2021, 9, 153560-153574.	2.6	28
112	A compact square loop patch antenna on high dielectric ceramicâ€“PTFE composite material. Applied Physics A: Materials Science and Processing, 2013, 113, 185-193.	1.1	27
113	Five band-notched ultrawide band (UWB) antenna loaded with C-shaped slots. Microwave and Optical Technology Letters, 2015, 57, 1470-1475.	0.9	27
114	Preparation of NiAl2O4-Based Flexible Substrates for Metamaterials with Negative Dielectric Properties. Scientific Reports, 2018, 8, 14948.	1.6	27
115	Labyrinth double split open loop resonator based bandpass filter design for S, C and X-band application. Journal Physics D: Applied Physics, 2018, 51, 265102.	1.3	27
116	Numerical Analysis of Single Negative Broadband Metamaterial Absorber Based on Tri Thin Layer Material in Visible Spectrum for Solar Cell Energy Harvesting. Plasmonics, 2020, 15, 1061-1069.	1.8	27
117	A YOLOv3 Deep Neural Network Model to Detect Brain Tumor in Portable Electromagnetic Imaging System. IEEE Access, 2021, 9, 82647-82660.	2.6	27
118	Polarization-Independent Broadband Optical Regime Metamaterial Absorber for Solar Harvesting: A Numerical Approach. Chinese Journal of Physics, 2021, 71, 699-715.	2.0	27
119	Polarization and angular insensitive bendable metamaterial absorber for UV to NIR range. Scientific Reports, 2022, 12, 4857.	1.6	27
120	Null Steering of Adaptive Beamforming Using Linear Constraint Minimum Variance Assisted by Particle Swarm Optimization, Dynamic Mutated Artificial Immune System, and Gravitational Search Algorithm. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	26
121	A metamaterial unit cell inspired antenna for mobile wireless applications. Microwave and Optical Technology Letters, 2016, 58, 263-267.	0.9	26
122	Perfect metamaterial absorber with high fractional bandwidth for solar energy harvesting. PLoS ONE, 2018, 13, e0207314.	1.1	26
123	Polarization Independent Metamaterial Absorber with Anti-Reflection Coating Nanoarchitectonics for Visible and Infrared Window Applications. Materials, 2022, 15, 3733.	1.3	26
124	Gain and isolation enhancement of a wideband MIMO antenna using metasurface for 5G sub-6ÂGHz communication systems. Scientific Reports, 2022, 12, .	1.6	26
125	A tri-band microwave perfect metamaterial absorber. Microwave and Optical Technology Letters, 2017, 59, 2302-2307.	0.9	25
126	16-Port Non-Planar MIMO Antenna System With Near-Zero-Index (NZI) Metamaterial Decoupling Structure for 5G Applications. IEEE Access, 2020, 8, 157946-157958.	2.6	25

#	Article	IF	Citations
127	Metamaterial sensor based on rectangular enclosed adjacent triple circle split ring resonator with good quality factor for microwave sensing application. Scientific Reports, 2022, 12, 6792.	1.6	25
128	New Compact Dual-Band Circularly Polarized Universal RFID Reader Antenna Using Ramped Convergence Particle Swarm Optimization. IEEE Transactions on Antennas and Propagation, 2014, 62, 2795-2801.	3.1	24
129	Reduction of 5G cellular network radiation in wireless mobile phone using an asymmetric square shaped passive metamaterial design. Scientific Reports, 2021, 11, 2619.	1.6	24
130	Polarization-independent symmetrical digital metasurface absorber. Results in Physics, 2021, 24, 103985.	2.0	24
131	QCovSML: A reliable COVID-19 detection system using CBC biomarkers by a stacking machine learning model. Computers in Biology and Medicine, 2022, 143, 105284.	3.9	24
132	Design of a Novel Double Negative Metamaterial Absorber Atom for Ku and K Band Applications. Electronics (Switzerland), 2019, 8, 853.	1.8	23
133	Performance Analysis of a Defected Ground-Structured Antenna Loaded with Stub-Slot for 5G Communication. Sensors, 2019, 19, 2634.	2.1	23
134	A Planar Ultrawideband Patch Antenna Array for Microwave Breast Tumor Detection. Materials, 2020, 13, 4918.	1.3	23
135	Synthesis, Characterization and Development of Energy Harvesting Techniques Incorporated with Antennas: A Review Study. Sensors, 2020, 20, 2772.	2.1	23
136	A tri-band left-handed meta-atom enabled designed with high effective medium ratio for microwave based applications. Results in Physics, 2020, 17, 103032.	2.0	23
137	Quad-Band Polarization-Insensitive Square Split-Ring Resonator (SSRR) with an Inner Jerusalem Cross Metamaterial Absorber for Ku- and K-Band Sensing Applications. Sensors, 2022, 22, 4489.	2.1	23
138	Dynamic Resource Allocation in Hybrid Access Femtocell Network. Scientific World Journal, The, 2014, 2014, 1-7.	0.8	22
139	A Review on Femtocell and its Diverse Interference Mitigation Techniques in Heterogeneous Network. Wireless Personal Communications, 2014, 78, 85-106.	1.8	22
140	Synthesis and characterization of Mgâ€“Zn ferrite based flexible microwave composites and its application as SNG metamaterial. Scientific Reports, 2021, 11, 7654.	1.6	22
141	Wide-Oblique-Incident-Angle Stable Polarization-Insensitive Ultra-Wideband Metamaterial Perfect Absorber for Visible Optical Wavelength Applications. Materials, 2022, 15, 2201.	1.3	22
142	Design of a compact dual band microstrip antenna for Ku-band application. , 2009, , .		21
143	Compact planar antenna for UWB applications. , 2010, , .		21
144	A Double-Negative Metamaterial-Inspired Mobile Wireless Antenna for Electromagnetic Absorption Reduction. Materials, 2015, 8, 4817-4828.	1.3	21

#	Article	IF	Citations
145	Circularly Polarized Broadband Printed Antenna for Wireless Applications. Sensors, 2018, 18, 4261.	2.1	21
146	Square enclosed circle split ring resonator enabled epsilon negative (ENG) near zero index (NZI) metamaterial for gain enhancement of multiband satellite and radar antenna applications. Results in Physics, 2020, 19, 103556.	2.0	21
147	A Wide-Angle, Enhanced Oblique Incidence, Bend-Able Metamaterial Absorber Employed in Visible Region With a Sun Shape Resonator. IEEE Access, 2021, 9, 126466-126480.	2.6	21
148	A deep learning model to classify and detect brain abnormalities in portable microwave based imaging system. Scientific Reports, 2022, 12, 6319.	1.6	21
149	Coplanar Waveguide Fed Printed Antenna with Compact Size for Broadband Wireless Applications. Journal of Infrared, Millimeter, and Terahertz Waves, 2010, 31, 1427-1437.	1.2	20
150	Printed circular ring antenna for UWB application. , 2010, , .		20
151	Tree-shaped fractal meta-surface with left-handed characteristics for absorption application. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	20
152	A compact slotted patch antenna for breast tumor detection. Microwave and Optical Technology Letters, 2018, 60, 1600-1608.	0.9	20
153	Near-zero metamaterial inspired UHF antenna for nanosatellite communication system. Scientific Reports, 2019, 9, 3441.	1.6	20
154	A Portable Electromagnetic Head Imaging System Using Metamaterial Loaded Compact Directional 3D Antenna. IEEE Access, 2021, 9, 50893-50906.	2.6	20
155	Modified double dumbbell-shaped split-ring resonator-based negative permittivity metamaterial for satellite communications with high effective medium ratio. Scientific Reports, 2021, 11, 19331.	1.6	20
156	Gap coupled symmetric split ring resonator based near zero index ENG metamaterial for gain improvement of monopole antenna. Scientific Reports, 2022, 12, 7406.	1.6	20
157	A new design approach for dual-band patch antenna serving Ku/K band satellite communications. International Journal of Satellite Communications and Networking, 2016, 34, 759-769.	1.2	19
158	Experimental Breast Phantom Imaging with Metamaterial-Inspired Nine-Antenna Sensor Array. Sensors, 2018, 18, 4427.	2.1	19
159	Digital metamaterial filter for encoding information. Scientific Reports, 2020, 10, 3289.	1.6	19
160	CPW-Fed Super-Wideband Antenna With Modified Vertical Bow-Tie-Shaped Patch for Wireless Sensor Networks. IEEE Access, 2021, 9, 5343-5353.	2.6	19
161	Polarization-independent perfect metamaterial absorber for C, X and, Ku band applications. Journal of Materials Research and Technology, 2021, 15, 3722-3732.	2.6	19
162	Evaluation of Specific Absorption Rate (SAR) Reduction for PIFA antenna Using Metamaterials. Frequenz, 2010, 64, .	0.6	18

#	Article	IF	Citations
163	ANALYSIS OF MATERIALS EFFECTS ON RADIO FREQUENCY ELECTROMAGNETIC FIELDS IN HUMAN HEAD. Progress in Electromagnetics Research, 2012, 128, 121-136.	1.6	18
164	Inverted S-Shaped Compact Antenna for X-Band Applications. Scientific World Journal, The, 2014, 2014, 1-11.	0.8	18
165	Microstrip lineâ€fed fractal antenna with a high fidelity factor for UWB imaging applications. Microwave and Optical Technology Letters, 2015, 57, 2580-2585.	0.9	18
166	Subwavelength operating metamaterial for multiband applications. Microwave and Optical Technology Letters, 2016, 58, 3004-3008.	0.9	18
167	BIRDS-1 CubeSat Constellation Using Compact UHF Patch Antenna. IEEE Access, 2018, 6, 54282-54294.	2.6	18
168	Factors influencing the adoption of crowdfunding in Bangladesh: A study of start-up entrepreneurs. Information Development, 2021, 37, 72-89.	1.4	18
169	Printed circular disc compact planar antenna for UWB applications. Telecommunication Systems, 2013, 52, 1171.	1.6	17
170	A negative index metamaterial antenna for UWB microwave imaging applications. Microwave and Optical Technology Letters, 2015, 57, 1352-1361.	0.9	17
171	An <scp>ENG</scp> metamaterial based wideband electromagnetic cloak. Microwave and Optical Technology Letters, 2016, 58, 2522-2525.	0.9	17
172	A simple design of planar microstrip antenna on composite material substrate for Ku/K band satellite applications. International Journal of Communication Systems, 2017, 30, e2970.	1.6	17
173	Split quadrilateral miniaturised multiband microstrip patch antenna design for modern communication system. IET Microwaves, Antennas and Propagation, 2017, 11, 1317-1323.	0.7	17
174	The Broken-Heart Printed Antenna for Ultrawideband Applications: Design and Characteristics Analysis. IEEE Antennas and Propagation Magazine, 2018, 60, 45-51.	1.2	17
175	Left-handed metamaterial bandpass filter for GPS, Earth Exploration-Satellite and WiMAX frequency sensing applications. PLoS ONE, 2019, 14, e0224478.	1.1	17
176	Cross coupled interlinked split ring resonator based epsilon negative metamaterial with high effective medium ratio for multiband satellite and radar communications. Results in Physics, 2020, 18, 103296.	2.0	17
177	A mutual coupled spider net-shaped triple split ring resonator based epsilon-negative metamaterials with high effective medium ratio for quad-band microwave applications. Results in Physics, 2021, 22, 103902.	2.0	17
178	Angle-insensitive co-polarized metamaterial absorber based on equivalent circuit analysis for dual band WiFi applications. Scientific Reports, 2021, 11, 13791.	1.6	17
179	A two-component NZRI metamaterial based rectangular cloak. AIP Advances, 2015, 5, 107116.	0.6	16
180	A Parasitic Resonator-Based Diamond-Shaped Microstrip Antenna for Microwave Imaging Applications. Electronics (Switzerland), 2019, 8, 434.	1.8	16

#	Article	IF	Citations
181	Low-Profile Slotted Metamaterial Antenna Based on Bi Slot Microstrip Patch for 5G Application. Sensors, 2020, 20, 3323.	2.1	16
182	A filling-factor engineered, perfect metamaterial absorber for multiple applications at frequencies set by IEEE in C and X bands. Journal of Materials Research and Technology, 2022, 19, 934-946.	2.6	16
183	Printed Wide-Slot Antenna Design with Bandwidth and Gain Enhancement on Low-Cost Substrate. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	15
184	A new double negative metamaterial for multi-band microwave applications. Applied Physics A: Materials Science and Processing, 2014, 116, 723-733.	1.1	15
185	Design and absorption analysis of a new multiband split-S-shaped metamaterial. Science and Engineering of Composite Materials, 2017, 24, 139-148.	0.6	15
186	A Mirror Shape Chiral Meta Atom for C-Band Communication. IEEE Access, 2017, 5, 21217-21222.	2.6	15
187	Design and analysis of a resonator based metamaterial for sensor applications. Microwave and Optical Technology Letters, 2018, 60, 694-698.	0.9	15
188	Left-handed metamaterial inspired by joint T-D geometry on flexible NiAl2O4 substrate. PLoS ONE, 2018, 13, e0199150.	1.1	15
189	U-joint Double split O (UDO) shaped with split square metasurface absorber for X and ku band application. Results in Physics, 2019, 15, 102757.	2.0	15
190	Electromagnetic radiation reduction using novel metamaterial for cellular applications. Radiation Physics and Chemistry, 2021, 178, 108976.	1.4	15
191	Rotational symmetry engineered, polarization and incident angle-insensitive, perfect metamaterial absorber for X and Ku band wireless applications. Scientific Reports, 2022, 12, 3740.	1.6	15
192	Reducing the PAPR of OFDM Systems by Random Variable Transformation. ETRI Journal, 2013, 35, 714-717.	1.2	14
193	A miniaturized directional antenna for microwave breast imaging applications. International Journal of Microwave and Wireless Technologies, 2017, 9, 2013-2018.	1.5	14
194	Design and compatibility analysis of a solar panel integrated UHF antenna for nanosatellite space mission. PLoS ONE, 2018, 13, e0205587.	1.1	14
195	Depiction and analysis of a modified theta shaped double negative metamaterial for satellite application. Open Physics, 2018, 16, 839-847.	0.8	14
196	A Low-Profile Wideband Antenna for WWAN/LTE Applications. Electronics (Switzerland), 2020, 9, 393.	1.8	14
197	In-Vivo and Ex-Vivo Measurements of Blood Glucose Using Whispering Gallery Modes. Sensors, 2020, 20, 830.	2.1	14
198	Broadband single-layer reflectarray antenna loaded with meander-delay-lines for X-band applications. AEJ - Alexandria Engineering Journal, 2021, 60, 1105-1112.	3.4	14

#	Article	IF	Citations
199	Tomato Leaf Diseases Detection Using Deep Learning Technique. , 0, , .		14
200	Compact ellipse shaped patch with ground slotted broadband monopole patch antenna for head imaging applications. Chinese Journal of Physics, 2021, 72, 310-326.	2.0	14
201	Metamaterial Loaded Nine High Gain Vivaldi Antennas Array for Microwave Breast Imaging Application. IEEE Access, 2020, 8, 227678-227689.	2.6	14
202	Metamaterial based on an inverse double V loaded complementary square split ring resonator for radar and Wi-Fi applications. Scientific Reports, 2021, 11, 21782.	1.6	14
203	Tri Circle Split Ring Resonator Shaped Metamaterial With Mathematical Modeling for Oil Concentration Sensing. IEEE Access, 2021, 9, 161087-161102.	2.6	14
204	Radar cross-section reduction using polarisation-dependent passive metamaterial for satellite communication. Chinese Journal of Physics, 2022, 76, 251-268.	2.0	14
205	A co-polarization-insensitive metamaterial absorber for 5G n78 mobile devices at 3.5ÂGHz to reduce the specific absorption rate. Scientific Reports, 2022, 12, .	1.6	14
206	High gain W-shaped microstrip patch antenna. IEICE Electronics Express, 2010, 7, 1546-1551.	0.3	13
207	A compact wideband coplanar waveguide fed metamaterial-inspired patch antenna for wireless application. Applied Physics A: Materials Science and Processing, 2012, 109, 961-965.	1.1	13
208	Low-Cost Dielectric Substrate for Designing Low Profile Multiband Monopole Microstrip Antenna. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	13
209	Solâ€“gel synthesis of transition-metal doped ferrite compounds with potential flexible, dielectric and electromagnetic properties. RSC Advances, 2016, 6, 84562-84572.	1.7	13
210	Design and analysis of a new double C-shaped miniaturized metamaterial for multiband applications. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	13
211	Beam steering of eye shape metamaterial design on dispersive media by FDTD method. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2018, 31, e2319.	1.2	13
212	A unidirectional 3D antenna for biomedical microwave imaging based detection of abnormality in human body. Microsystem Technologies, 2018, 24, 4991-4996.	1.2	13
213	SNG and DNG meta-absorber with fractional absorption band for sensing application. Scientific Reports, 2020, 10, 13086.	1.6	13
214	Coupled ring split ring resonator (CR-SRR) based epsilon negative metamaterial for multiband wireless communications with high effective medium ratio. Results in Physics, 2020, 18, 103248.	2.0	13
215	Polarization-Independent Ultra-Wideband Metamaterial Absorber for Solar Harvesting at Infrared Regime. Materials, 2020, 13, 2560.	1.3	13
216	Microwave Breast Imaging Using Compressed Sensing Approach of Iteratively Corrected Delay Multiply and Sum Beamforming. Diagnostics, 2021, 11, 470.	1.3	13

#	Article	IF	Citations
217	Realization of frequency hopping characteristics of an epsilon negative metamaterial with high effective medium ratio for multiband microwave applications. Scientific Reports, 2021, 11, 16898.	1.6	13
218	Magnetic, dielectric and structural properties of CoxZn(0.90-x)Al0.10Fe2O4 synthesized by solâ€“gel method with application as flexible microwave substrates for microstrip patch antenna. Journal of Materials Research and Technology, 2022, 16, 934-943.	2.6	13
219	Design of microstrip antenna for GPS application. , 2008, , .		12
220	A Novel Feeding Technique for a Dual Band Microstrip Patch Antenna. IEICE Transactions on Communications, 2010, E93-B, 2455-2457.	0.4	12
221	Bandwidth Enhancement of a Dual Band Planar Monopole Antenna Using Meandered Microstrip Feeding. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	12
222	An effective technique based on offâ€set fed patch to enhance the bandwidth of microstrip planar antenna. Microwave and Optical Technology Letters, 2016, 58, 1221-1226.	0.9	12
223	Classification of Retinal Diseases from OCT scans using Convolutional Neural Networks. , 2018, , .		12
224	A SLOTTED UWB ANTIPODAL VIVALDI ANTENNA FOR MICROWAVE IMAGING APPLICATIONS. Progress in Electromagnetics Research M, 2019, 80, 35-43.	0.5	12
225	A multi-split based square split ring resonator for multiband satellite applications with high effective medium ratio. Results in Physics, 2021, 22, 103865.	2.0	12
226	Inductively tuned modified split ring resonator based quad band epsilon negative (ENG) with near zero index (NZI) metamaterial for multiband antenna performance enhancement. Scientific Reports, 2021, 11, 11950.	1.6	12
227	Specific absorption rate reduction for sub-6 frequency range using polarization dependent metamaterial with high effective medium ratio. Scientific Reports, 2022, 12, 1803.	1.6	12
228	Low Cross-Polarization Broadband Microstrip Patch Antenna. , 2008, , .		11
229	Smart Antenna UKM Testbed for Digital Beamforming System. Eurasip Journal on Advances in Signal Processing, 2009, 2009, .	1.0	11
230	Analysis of a ceramic filled bio-plastic composite sandwich structure. Applied Physics Letters, 2013, 103, 223701.	1.5	11
231	A Compact 5.5 GHz Band-Rejected UWB Antenna Using Complementary Split Ring Resonators. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	11
232	A modified PSO technique using heterogeneous boundary conditions for broadband compact microstrip antenna designing. Annales Des Telecommunications/Annals of Telecommunications, 2014, 69, 509-514.	1.6	11
233	A microstripâ€fed reformed rectangular shape slotted patch antenna for simultaneous operation in GPS and WLAN bands. Microwave and Optical Technology Letters, 2015, 57, 2204-2207.	0.9	11
234	Preparation and Characterization of Flexible Substrate Material from Phenyl-Thiophene-2-Carbaldehyde Compound. Materials, 2016, 9, 358.	1.3	11

#	Article	IF	Citations
235	A compact triangular shaped microstrip patch antenna with triangular slotted ground for UWB application. , 2016, , .		11
236	Dual band miniaturized microstrip slot antenna for WLAN applications. Microwave and Optical Technology Letters, 2016, 58, 1358-1362.	0.9	11
237	Multiband left handed biaxial meta atom at microwave frequency. Materials Research Express, 2017, 4, 035015.	0.8	11
238	A Uniplanar Left-Handed Metamaterial for Terrestrial Microwave Links. IEEE Microwave and Wireless Components Letters, 2018, 28, 108-110.	2.0	11
239	Resonator-Inspired Metamaterial Sensor: Design and Experimental Validation for Measuring Thickness of Multi-Layered Structures. Sensors, 2018, 18, 4213.	2.1	11
240	A compact meander line elliptic split ring resonator based metamaterial for electromagnetic shielding. Materials Express, 2018, 8, 133-140.	0.2	11
241	A mutual coupled concentric crossed-Line split ring resonator (CCSRR) based epsilon negative (ENG) metamaterial for Tri-band microwave applications. Results in Physics, 2020, 18, 103292.	2.0	11
242	Penta band single negative meta-atom absorber designed on square enclosed star-shaped modified split ring resonator for S-, C-, X- and Ku- bands microwave applications. Scientific Reports, 2021, 11, 8784.	1.6	11
243	Performance evaluation of wireless data traffic in Mm wave massive MIMO communication. Indonesian Journal of Electrical Engineering and Computer Science, 2020, 20, 1342.	0.7	11
244	Compact Multiband Reconfigurable MIMO Antenna for Sub- 6GHz 5G Mobile Terminal. IEEE Access, 2022, 10, 60241-60252.	2.6	11
245	Analysis of broadband slotted microstrip patch antenna. , 2008, , .		10
246	Design analysis of compact dual-band microstrip RFID reader antenna. , 2009, , .		10
247	Analysis of Resonance Response Performance of C-Band Antenna Using Parasitic Element. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	10
248	Slot loaded rectangular patch antenna for dual-band operations on glass-reinforced epoxy laminated inexpensive substrate. Journal of Computational Electronics, 2014, 13, 989-995.	1.3	10
249	A new metasurface reflective structure for simultaneous enhancement of antenna bandwidth and gain. Smart Materials and Structures, 2014, 23, 085015.	1.8	10
250	Analysis of a dualâ€resonant multiple splitâ€ring patch antenna. International Journal of Circuit Theory and Applications, 2015, 43, 675-683.	1.3	10
251	Effective Medium Ratio Obeying Wideband Left-Handed Miniaturized Meta-atoms for Multi-band Applications. Journal of Electronic Materials, 2018, 47, 1859-1870.	1.0	10
252	Polygonal Shaped Patch with Circular Slotted Ground Antenna for Ultra-Wideband Applications. , 2018, , .		10

#	Article	IF	Citations
253	Double H-shaped complementary split ring resonator with different orientations for quad-band satellite applications. Results in Physics, 2020, 19, 103427.	2.0	10
254	â€œQuad-band flexible magnesium zinc ferrite (MgZnFe2O4)-based double negative metamaterial for microwave applicationsâ€• Chinese Journal of Physics, 2021, 71, 351-364.	2.0	10
255	Design of Split Hexagonal Patch Array Shaped Nano-metaabsorber with Ultra-wideband Absorption for Visible and UV Spectrum Application. Nanoscale Research Letters, 2019, 14, 393.	3.1	10
256	A Compact Wideband Antenna on Dielectric Material Substrate for K Band. Elektronika Ir Elektrotechnika, 2012, 123, .	0.4	10
257	Wireless Charging of Electric Vehicle While Driving. IEEE Access, 2021, 9, 157973-157983.	2.6	10
258	Design of broadband multi-slotted microstrip patch antenna for wireless system. , 2008, , .		9
259	Miniature low SAR printed monopole antenna for mobile phone. Microwave and Optical Technology Letters, 2015, 57, 2471-2475.	0.9	9
260	Octagonal shaped circular polarized C-band antenna for small satellite communication. , 2015, , .		9
261	Synthesis and characterization of gahnite-based microwave dielectric ceramics (MDC) for microstrip antennas prepared by a solâ€“gel method. Journal of Sol-Gel Science and Technology, 2015, 74, 557-565.	1.1	9
262	Post-IFFT-Modified Selected Mapping to Reduce the PAPR of an OFDM System. Circuits, Systems, and Signal Processing, 2015, 34, 535-555.	1.2	9
263	An Experience Oriented-Convergence Improved Gravitational Search Algorithm for Minimum Variance Distortionless Response Beamforming Optimum. PLoS ONE, 2016, 11, e0156749.	1.1	9
264	Detection of different concentrated salt and sugar solution based on dielectric properties using microstrip technology. Microwave and Optical Technology Letters, 2018, 60, 1573-1577.	0.9	9
265	An ITO Based High Gain Optically Transparent Wide Band Microstrip Antenna for K Band Satellite Communication. , 2019, , .		9
266	Determination of salinity and sugar concentration using microwave sensor. Microwave and Optical Technology Letters, 2019, 61, 361-364.	0.9	9
267	Electric field controlled cohesive symmetric hook-C shape inspired metamaterial for S-band application. Chinese Journal of Physics, 2020, 68, 28-38.	2.0	9
268	Electromagnetic absorption of SRR based double-inverse E-Shaped metamaterial for DCS, EESC, 5G, and WiMAX applications. Chinese Journal of Physics, 2020, 66, 349-361.	2.0	9
269	A compact skullâ€shaped defected ground super wideband microstrip monopole antenna for shortâ€distance wireless communication. International Journal of Communication Systems, 2020, 33, e4527.	1.6	9
270	Parabolic Split Ring Resonator (PSRR) based MNZ metamaterial with angular rotation for WiFi/WiMax/Wireless/ISM band applications. Chinese Journal of Physics, 2021, 71, 753-769.	2.0	9

#	Article	IF	Citations
271	Extending Birthday Paradox Theory to Estimate the Number of Tags in RFID Systems. PLoS ONE, 2014, 9, e95425.	1.1	9
272	Low Profile Multi-slotted Patch Antenna for Lower 5G Application. , 2020, , .		9
273	Wide bandwidth enriched symmetric hexagonal split ring resonator based triple band negative permittivity metamaterial for satellite and Wi-Fi applications. Results in Physics, 2022, 37, 105511.	2.0	9
274	An angular stable triple-band anisotropic cross-polarization conversion metasurface. Results in Physics, 2022, 37, 105564.	2.0	9
275	Implementation of Alamouti Encoder Using FPGA for Mimo Testbed. , 2009, , .		8
276	A new I slotted compact microstrip antenna for L1 & L2 bands. , 2011, , .		8
277	Triple band RFID reader antenna for handheld applications. Microwave and Optical Technology Letters, 2011, 53, 1629-1632.	0.9	8
278	Effects of Dielectric Values and Substrate Materials on Electromagnetic (EM) Absorption in Human Head. Frequenz, 2012, 66, .	0.6	8
279	Dual frequency new shaped microstrip patch antenna for Ku band applications. , 2012, , .		8
280	Design of microstrip antenna for modern wireless communication. , 2012, , .		8
281	Development of rain attenuation model for Southeast Asia equatorial climate. IET Communications, 2013, 7, 1008-1014.	1.5	8
282	Quad Band Handset Antenna for LTE MIMO and WLAN Application. International Journal of Antennas and Propagation, 2014, 2014, 1-7.	0.7	8
283	A Dual Band Slotted Patch Antenna on Dielectric Material Substrate. International Journal of Antennas and Propagation, 2014, 2014, 1-7.	0.7	8
284	Dual frequency circularly polarized crossâ€shaped slotted patch antenna with a small frequency ratio. Microwave and Optical Technology Letters, 2014, 56, 2711-2719.	0.9	8
285	Miniaturized modified circular patch monopole antenna on ceramic-polytetrafluroethylene composite material substrate. Journal of Computational Electronics, 2014, 13, 211-216.	1.3	8
286	Characterization of TixZn(1-x)Al2O4 thin films by sol-gel method for GPS patch antennae. Journal of the Korean Physical Society, 2015, 66, 41-45.	0.3	8
287	Design and analysis of a complementary split ring resonator (CSRR) metamaterial based antenna for wideband application. Science and Engineering of Composite Materials, 2017, 24, 573-580.	0.6	8
288	EM absorption reduction in wireless mobile antenna using printed paper-based metamaterial. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	8

#	Article	IF	Citations
289	Compact and broadband antenna using double-negative transmission line metamaterial. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	8
290	Broken-heart shaped microstrip patch antenna design for ultra-wideband applications. Microwave and Optical Technology Letters, 2017, 59, 2324-2330.	0.9	8
291	Development of a microstrip based sensor aimed at salinity and sugar detection in water considering dielectric properties. Microwave and Optical Technology Letters, 2018, 60, 667-672.	0.9	8
292	A Dual-Band Antenna With Dual-Circular Polarization for Nanosatellite Payload Application. IEEE Access, 2018, 6, 78521-78529.	2.6	8
293	A Solar Panel-Integrated Modified Planner Inverted F Antenna for Low Earth Orbit Remote Sensing Nanosatellite Communication System. Sensors, 2018, 18, 2480.	2.1	8
294	Bandwidth enhanced metamaterial embedded inverse L-slotted antenna for WiFi/WLAN/WiMAX wireless communication. Materials Research Express, 2019, 6, 085805.	0.8	8
295	Symmetric square shaped metamaterial structure with quintuple resonance frequencies for S, C, X and Ku band applications. Scientific Reports, 2021, 11, 4270.	1.6	8
296	Parallel LC shaped metamaterial resonator for C and X band satellite applications with wider bandwidth. Scientific Reports, 2021, 11, 16247.	1.6	8
297	Symmetric resonator based tunable epsilon negative near zero index metamaterial with high effective medium ratio for multiband wireless applications. Scientific Reports, 2021, 11, 21842.	1.6	8
298	Wide-angle broadband polarization independent bend-able nano-meta absorber employed in optical wavelength. Optical Materials, 2022, 126, 112174.	1.7	8
299	HipXNet: Deep Learning Approaches to Detect Aseptic Loos-Ening of Hip Implants Using X-Ray Images. IEEE Access, 2022, 10, 53359-53373.	2.6	8
300	Modified Coptic Cross Shaped Split-Ring Resonator Based Negative Permittivity Metamaterial for Quad Band Satellite Applications with High Effective Medium Ratio. Materials, 2022, 15, 3389.	1.3	8
301	Compact planar antenna with dual band-notched characteristics for UWB applications. , 2011, , .		7
302	Analysis on split concept of reflectarray antenna element for bandwidth enhancement. , 2011, , .		7
303	Performance investigation of a uni-planar compact electromagnetic bandgap (UC-EBG) structure for wide bandgap characteristics. , 2012, , .		7
304	Circularly Polarized S Band Dual Frequency Square Patch Antenna Using Glass Microfiber Reinforced PTFE Composite. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	7
305	Microstrip Antenna Design for Femtocell Coverage Optimization. International Journal of Antennas and Propagation, 2014, 2014, 1-8.	0.7	7
306	GPS patch antenna performance by modification of Zn(1â^'x)CaxAl2O4-based microwave dielectric ceramics. Journal of Sol-Gel Science and Technology, 2014, 71, 477-489.	1.1	7

#	Article	IF	Citations
307	Bird Face Microstrip Printed Monopole Antenna Design for Ultra Wide Band Applications. Frequenz, 2016, 70, .	0.6	7
308	A new wideband negative refractive index metamaterial for dual-band operation. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	7
309	Microwave Imaging Sensor Using Low Profile Modified Stacked Type Planar Inverted F Antenna. Sensors, 2018, 18, 2949.	2.1	7
310	Depiction and analysis of a modified H-shaped double-negative meta atom for satellite communication. International Journal of Microwave and Wireless Technologies, 2018, 10, 1155-1165.	1.5	7
311	Azimuth Null-Reduced Radiation Pattern, Ultralow Profile, Dual-Wideband and Low Passive Intermodulation Ceiling Mount Antenna for Long Term Evolution Application. IEEE Access, 2019, 7, 114761-114777.	2.6	7
312	Human Brain Tumor Detection Using CPW Fed UWB Vivaldi Antenna. , 2019, , .		7
313	Rehabilitation in Bangladesh. Physical Medicine and Rehabilitation Clinics of North America, 2019, 30, 795-805.	0.7	7
314	A compact square-shaped left-handed passive metamaterial with optimized quintuple resonance frequencies for satellite applications. Chinese Journal of Physics, 2020, 67, 360-375.	2.0	7
315	Instrumented Hip Implant: A Review. IEEE Sensors Journal, 2021, 21, 7179-7194.	2.4	7
316	Enhancement of magnetic field intensity with a left-handed metamaterial tunnel resonator for obstacle sensing. Chinese Journal of Physics, 2021, 70, 91-105.	2.0	7
317	Improved Square-Z-Shaped DNG Meta-Atom for C- and X-Band Application. Current Science, 2018, 114, 2518.	0.4	7
318	Sliding the SLM-technique to Reduce the Non-Linear Distortion in OFDM Systems. Elektronika Ir Elektrotechnika, 2013, 19, .	0.4	7
319	Rectangular slot with inner circular ring patch and partial ground plane based broadband monopole low SAR patch antenna for head imaging applications. Chinese Journal of Physics, 2022, 77, 250-268.	2.0	7
320	Development and Analysis of Coding and Tailored Metamaterial for Terahertz Frequency Applications. Materials, 2022, 15, 2777.	1.3	7
321	A dual-band CPW-fed miniature planar antenna for S-, C-, WiMAX, WLAN, UWB, and X-band applications. Scientific Reports, 2022, 12, 7584.	1.6	7
322	Structural, dielectric, and magnetic properties characterization of solâ€“gel synthesized CaxZn(0.90-x)Ni0.10Fe2O4 nanopowder and its application as flexible microwave substrate with polarization-insensitive SNG metamaterial. Journal of Materials Research and Technology, 2022, 18, 5226-5237.	2.6	7
323	Polarization insensitive dual band metamaterial with absorptance for 5G sub-6ÂGHz applications. Scientific Reports, 2022, 12, 8495.	1.6	7
324	A portable non-invasive microwave based head imaging system using compact metamaterial loaded 3D unidirectional antenna for stroke detection. Scientific Reports, 2022, 12, .	1.6	7

#	Article	IF	Citations
325	Polarization insensitive split square ring resonator based epsilon-negative and near zero refractive index metamaterial for S, C, and X frequency bands satellite and radar communications. Scientific Reports, 2022, 12, .	1.6	7
326	Compact multiband VHF antenna for transient radio telescope. , 2009, , .		6
327	Effects of electromagnetic absorption toward a human head due to variation of its dielectric properties at 900 and 1900 MHz with different antenna substrates. Science and Engineering of Composite Materials, 2012, 19, 271-277.	0.6	6
328	Modification of Karasawa tropospheric scintillation model for Malaysia climate. Indian Journal of Physics, 2013, 87, 841-845.	0.9	6
329	Design and Realization of a Planar Ultrawideband Antenna with Notch Band at 3.5â€‰GHz. Scientific World Journal, The, 2014, 2014, 1-7.	0.8	6
330	Development of S band antenna for Nanosatellite. , 2014, , .		6
331	Performance Effect of ZnAl₂O₄ - SiO₂ Thin Film for Wireless Patch Antenna Application. Journal of Nano Research, 2014, 28, 141-150.	0.8	6
332	Design of a dual-band microstrip antenna using particle swarm optimization with curve fitting. Annales Des Telecommunications/Annals of Telecommunications, 2014, 69, 633-640.	1.6	6
333	Metamaterial-Embedded Low SAR PIFA for Cellular Phone. PLoS ONE, 2015, 10, e0142663.	1.1	6
334	Development of high gain multiband antenna with centreâ€offset copper stripâ€based periodic structure. Microwave and Optical Technology Letters, 2015, 57, 1608-1614.	0.9	6
335	Design and analysis of coupled-resonator reconfigurable antenna. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	6
336	Circularly split-ring-resonator-based frequency-reconfigurable antenna. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	6
337	Split quadrilateral multiband microstrip patch antenna design for modern communication system. Microwave and Optical Technology Letters, 2017, 59, 1530-1538.	0.9	6
338	Low-SAR metamaterial-inspired printed monopole antenna. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	6
339	Composite left-handed meta-atom for tri-band operation. Materials Research Express, 2017, 4, 095801.	0.8	6
340	A Printed Xi-Shaped Left-Handed Metamaterial on Low-Cost Flexible Photo Paper. Materials, 2017, 10, 752.	1.3	6
341	Design and analysis with different substrate materials of a new metamaterial for satellite applications. Science and Engineering of Composite Materials, 2018, 25, 59-66.	0.6	6
342	Numerical Analysis of the Microwave Treatment of Palm Trees Infested With the Red Palm Weevil Pest by Using a Circular Array of Vivaldi Antennas. IEEE Access, 2020, 8, 152342-152350.	2.6	6

#	Article	IF	Citations
343	Linear regression of sensitivity for meander line parasitic resonator based on ENG metamaterial in the application of sensing. Journal of Materials Research and Technology, 2021, 10, 1103-1121.	2.6	6
344	A dual-band polarization-independent left-handed symmetrical metamaterial for communication system application. Journal of Materials Research and Technology, 2021, 15, 731-744.	2.6	6
345	Stochastic Leader Gravitational Search Algorithm for Enhanced Adaptive Beamforming Technique. PLoS ONE, 2015, 10, e0140526.	1.1	6
346	Development of Double C-Shaped Left-Handed Metamaterial for Dual-Band Wi-Fi and Satellite Communication Application with High Effective Medium Radio and Wide Bandwidth. Crystals, 2022, 12, 836.	1.0	6
347	Development of a Multiband VHF Antenna for Low-Frequency Transient Radio Telescope. Journal of Electromagnetic Waves and Applications, 2009, 23, 1843-1854.	1.0	5
348	Ultrawideband EH shaped stack patch antenna for wireless communications. , 2009, , .		5
349	Offset-fed UWB antenna with multi-slotted ground plane. , 2011, , .		5
350	Wavelet transform to recognize muscle fatigue. , 2012, , .		5
351	A Novel User Classification Method for Femtocell Network by Using Affinity Propagation Algorithm and Artificial Neural Network. Scientific World Journal, The, 2014, 2014, 1-14.	0.8	5
352	Gain Enhancement of a Multiband Resonator Using Defected Ground Surface on Epoxy Woven Glass Material. Scientific World Journal, The, 2014, 2014, 1-9.	0.8	5
353	A rounded corner triangular patch antenna for dualâ€frequency application. Microwave and Optical Technology Letters, 2014, 56, 69-72.	0.9	5
354	Omnidirectional dielectric resonator antenna for LTE femtocell base stations. , 2015, , .		5
355	Specific absorption rate analysis of broadband mobile antenna with negative index metamaterial. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	5
356	Effect on structural, optical and dielectric properties of mixed (1Ââ^'Âx)ZnFe2O4â€"xSiO2 as microwave dielectric ceramic material. Journal of Sol-Gel Science and Technology, 2016, 77, 218-227.	1.1	5
357	A novel biaxial double-negative metamaterial for electromagnetic rectangular cloaking operation. Science and Engineering of Composite Materials, 2017, 24, 335-343.	0.6	5
358	Double-negative metamaterial for mobile phone application. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	5
359	A tuning fork-shaped microstrip patch antenna for X-band satellite and radar applications. , 2017, , .		5
360	A compact modified antipodal Vivaldi antenna for imaging application. , 2017, , .		5

#	Article	IF	Citations
361	Leftâ€handed metaâ€surface loaded with ring resonator modelling for satellite application. International Journal of Satellite Communications and Networking, 2018, 36, 352-360.	1.2	5
362	Investigation of a resonator-based metamaterial for sensor applications. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	5
363	Nickel Particle-Based Compact Flexible Antenna for Modern Communication Systems. Electronics (Switzerland), 2019, 8, 787.	1.8	5
364	Aztec shape metamaterial-based bandpass filter for C, X and Ku-band applications. IOP Conference Series: Earth and Environmental Science, 2019, 228, 012019.	0.2	5
365	Thin-Layer Dielectric and Left-Handed Metamaterial Stacked Compact Triband Antenna for 2ÂGHz to 4ÂGHz Wireless Networks. Journal of Electronic Materials, 2019, 48, 3979-3990.	1.0	5
366	A Novel Miniaturized Coplanar Waveguide Fed Tapered Slot Ultra Wide Band Vivaldi Antenna For Microwave Imaging Applications. , 2019, , .		5
367	Polarization-independent multiband double-negative metamaterial through ferrite-based flexible substrate with tunable microwave dielectric properties. Results in Physics, 2021, 25, 104214.	2.0	5
368	Double negative bend headed I-shaped metamaterial based Terahertz optical power splitter. Results in Physics, 2021, 27, 104492.	2.0	5
369	A double hollow rectangularâ€shaped patch and with the slotted ground plane monopole wideband antenna for microwave head imaging applications. International Journal of Communication Systems, 2021, 34, e4958.	1.6	5
370	A 4Ãƒâ€”1 L-probe fed Inverted Hybrid E-H Microstrip Patch Antenna Array for 3G Application. American Journal of Applied Sciences, 2007, 4, 897-901.	0.1	5
371	Metamaterial sensor based on reflected mirror rectangular split ring resonator for the application of microwave sensing. Measurement: Journal of the International Measurement Confederation, 2022, 198, 111416.	2.5	5
372	Design and Analysis of Multi-Layer and Cuboid Coding Metamaterials for Radar Cross-Section Reduction. Materials, 2022, 15, 4282.	1.3	5
373	Wideband Stacked Microstrip Patch Antenna for Wireless Communication. , 2008, , .		4
374	Compact printed ultra-wideband antenna with dual band- notch characteristics. , 2011, , .		4
375	A bandwidth enhanced printed dipole antenna with metamaterial-inspired loading. , 2013, , .		4
376	Design, Investigation and Measurement of A Compact Ultra Wideband Antenna for Portable Applications. Measurement Science Review, 2013, 13, 169-176.	0.6	4
377	Triple Band X Shape Microstrip Patch Antenna for Ku/K Band Applications. Modern Applied Science, 2013, 7, .	0.4	4
378	A ROM-Less Direct Digital Frequency Synthesizer Based on Hybrid Polynomial Approximation. Scientific World Journal, The, 2014, 2014, 1-12.	0.8	4

#	Article	IF	Citations
379	Compact Double-P Slotted Inset-Fed Microstrip Patch Antenna on High Dielectric Substrate. Scientific World Journal, The, 2014, 2014, 1-6.	0.8	4
380	Miniaturized Dual Band Multislotted Patch Antenna on Polytetrafluoroethylene Glass Microfiber Reinforced for C/X Band Applications. Scientific World Journal, The, 2014, 2014, 1-14.	0.8	4
381	Partial ground dielectric resonator antenna for LTE Femtocell base stations. , 2016, , .		4
382	Dual band printed patch antenna on ceramicâ€“polytetrafluoroethylene composite material substrate for GPS and WLAN applications. Telecommunication Systems, 2016, 62, 747-756.	1.6	4
383	Compact lotus shape dual band patch antenna for Bluetooth and ultra wideband applications. Microwave and Optical Technology Letters, 2017, 59, 1590-1597.	0.9	4
384	<scp>I</scp>nverse Eâ€shape chiral metamaterial for long distance telecommunication. Microwave and Optical Technology Letters, 2017, 59, 1772-1776.	0.9	4
385	A triangular coupled-resonator antenna for ultra-wideband applications. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	4
386	A polarization dependent left handed metamaterial for telecommunication. IEICE Electronics Express, 2017, 14, 20171073-20171073.	0.3	4
387	Flexible paper substrate based wide band <scp>NRI</scp> metamaterial for <scp>X</scp>â€band application. Microwave and Optical Technology Letters, 2018, 60, 1309-1312.	0.9	4
388	Preparation of Flexible Substrate for Patch Antenna Based on Nickel Aluminate (NiAl2O4) Synthesized by Solâ€“Gel Method. Journal of Electronic Materials, 2019, 48, 2932-2939.	1.0	4
389	Wideband Inset Fed Slotted Patch Microstrip Antenna for ISM Band Applications. , 2019, , .		4
390	Computational analysis of octagonal torus-shaped nano meta-atom through fractional absorption bandwidth for applications in the terahertz regime. Results in Physics, 2020, 19, 103470.	2.0	4
391	Ultra-wideband monopole antenna with U and L shaped slotted patch for applications in 5G and short distance wireless communications. International Journal of Applied Electromagnetics and Mechanics, 2021, 66, 159-180.	0.3	4
392	An octa-band planar monopole antenna for portable communication devices. Scientific Reports, 2021, 11, 15298.	1.6	4
393	Experimental tissue mimicking human head phantom for estimation of stroke using IC-CF-DMAS algorithm in microwave based imaging system. Scientific Reports, 2021, 11, 22015.	1.6	4
394	Dual square split ring enclosed spiral shaped hybrid metamaterial resonator with size miniaturisation for microwave wireless applications. Scientific Reports, 2022, 12, 8028.	1.6	4
395	Stacked multiple slot microstrip patch antenna for wireless communication system. , 2008, , .		3
396	Design of compact ultrawideband patch antenna for wireless communications. , 2009, , .		3

#	Article	IF	Citations
397	A novel wideband antenna for dual band WLAN application. , 2010, , .		3
398	Numerical analysis of aluminium sheet for SAR reduction. , 2011, , .		3
399	A novel simple algorithm to enhance the peak to average ratio of MC-CDMA system. , 2011, , .		3
400	An EBG microstrip antenna for 5.4 GHz WLAN/HIPERLAN applications. , 2012, , .		3
401	Computational Cost Analysis on Securing RFID Protocols Conforming to EPC Class-1 Generation-2 Standard. Procedia Technology, 2013, 11, 778-784.	1.1	3
402	Design of a triple frequency band patch antenna on FR4 substrate material. , 2013, , .		3
403	Dual wideband n shaped patch antenna loaded with shorting pin for wireless applications. , 2013, , .		3
404	Beamwidth and gain analysis on V-shape dipole-based antenna for radio astronomy application. , 2013, , .		3
405	An inverted S-shaped multi-frequency patch antenna for X band applications. , 2013, , .		3
406	Design of a compact dual-band band-pass filter for Global Positioning System and Fixed Satellite applications. , 2014, , .		3
407	Assessment of specific absorption rate reduction in human head using metamaterial. Science and Engineering of Composite Materials, 2014, 21, 79-85.	0.6	3
408	Wideband Lâ€probe circular patch antenna for dualâ€frequency RFID application. Microwave and Optical Technology Letters, 2014, 56, 1421-1424.	0.9	3
409	A new SNG metamaterial for S-band microwave applications. , 2014, , .		3
410	Probe-fed rectangular patch antenna for wireless communication. , 2015, , .		3
411	Low SAR Microstrip Patch Antenna for Mobile Phone. Frequenz, 2015, 69, .	0.6	3
412	Design of planar slot-loaded antenna for energy harvesting. , 2016, , .		3
413	Low SAR planar inverted-F antenna for mobile phone. , 2016, , .		3
414	A low-cost fiberglass polymer resin dielectric material-based microstrip patch antenna for multiband applications. Science and Engineering of Composite Materials, 2016, 23, 447-452.	0.6	3

#	Article	IF	Citations
415	Design of a compact UWB antenna with a partial ground plane on epoxy woven glass material. Science and Engineering of Composite Materials, 2017, 24, 73-79.	0.6	3
416	Mathematical characterization of coupled Pi-shaped DNG metamaterial structure. , 2017, , .		3
417	Specific absorption rate (SAR) analysis using plastic substrate based negative indexed metamaterial shielding. , 2017, , .		3
418	An effective medium ratio obeying meta-atom for multiband applications. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2017, 65, 139-147.	0.8	3
419	A new miniaturized negative-index meta-atom for tri-band applications. Open Physics, 2017, 15, 464-471.	0.8	3
420	A Modified Side Feeding Directional Antenna for Microwave Imaging Applications. , 2018, , .		3
421	Open Loop Resonator-Based Triple Passband Filter for 1.5ÂGHz, 2.45ÂGHz and 3.65ÂGHz Applications. Journal of Electronic Materials, 2018, 47, 6153-6162.	1.0	3
422	Estimation of affective dimensions using CNN-based features of audiovisual data. Pattern Recognition Letters, 2019, 128, 290-297.	2.6	3
423	Multilayer Base Station Antenna at 3.5 GHz for Future 5G Indoor Systems. , 2019, , .		3
424	A New Split Pitch Square Shape Metamaterial Absorber for X band Application. , 2019, , .		3
425	Inertia to the adoption of crowdfunding in Bangladesh: A study on start-up entrepreneurs. Cogent Business and Management, 2020, 7, 1811597.	1.3	3
426	A UHF CPW-fed patch antenna for nanosatellite store and forward mission. Microsystem Technologies, 2020, 26, 2399-2405.	1.2	3
427	Left-handed compact multi-band circular metamaterial for S-, C- and Ku-band applications. Materials Today: Proceedings, 2021, 42, 1374-1381.	0.9	3
428	Broadband Sub-6GHz Slot-based MIMO Antenna for 5G NR Bands Mobile Applications. Journal of Physics: Conference Series, 2021, 1962, 012038.	0.3	3
429	DNG Metamaterial Reflector Using SOCT Shaped Resonator for Microwave Applications. IEEE Access, 2021, 9, 59148-59159.	2.6	3
430	Pattern Reconfigurable Dielectric Resonator Antenna Using Parasitic Feed Elements for LTE Femtocell Base Stations. Journal of Communications, 2018, , 242-246.	1.3	3
431	An asymmetric CPWâ€fed modified bow tieâ€shaped antenna with parasitic elements for ultraâ€wideband applications. International Journal of Communication Systems, 2022, 35, .	1.6	3
432	Analysis of L-probe fed slotted microstrip patch antenna. , 2008, , .		2

#	Article	IF	Citations
433	Design of a broadband low cross-polarization W-shape microstrip patch antenna for MIMO system. , 2008, , .		2
434	Patch antenna design for WLAN system. , 2009, , .		2
435	Analysis of concentric split ring square reflectarray element for bandwidth enhancement. , 2009, , .		2
436	Modified E-H shaped microstrip patch antenna. IEICE Electronics Express, 2009, 6, 1350-1354.	0.3	2
437	Small multi-band microstrip antenna for wireless applications. IEICE Electronics Express, 2010, 7, 1629-1634.	0.3	2
438	Designing shaped dual reflector antenna system by ray tracing method. , 2013, , .		2
439	Circularly polarized dual frequency patch antenna for TTC applications. , 2013, , .		2
440	Multiband Patch Antenna for Femtocell Application. International Journal of Antennas and Propagation, 2014, 2014, 1-6.	0.7	2
441	Development of Ray Tracing Algorithms for Scanning Plane and Transverse Plane Analysis for Satellite Multibeam Application. International Journal of Antennas and Propagation, 2014, 2014, 1-10.	0.7	2
442	Applying Cubic Spline Method to Estimate the Number of RFID Tags in Error-Prone Communication Channels. Wireless Personal Communications, 2015, 83, 361-382.	1.8	2
443	Omni-directional microstrip monopole antenna for UWB microwave imaging system. , 2015, , .		2
444	Analysis of EM absorption reduction using paper based negative indexed metamaterial shielding. , 2016, , .		2
445	A corded shape printed wideband antenna design for multi-standard mobile applications. Telecommunication Systems, 2016, 62, 511-518.	1.6	2
446	A new metasurface based on metaâ€atom cluster for terahertz applications. Microwave and Optical Technology Letters, 2017, 59, 2052-2057.	0.9	2
447	A 3D directional antenna for S band small satellite communication system. , 2017, , .		2
448	CPW-Fed Patch Antenna with Reflecting Metasurface Covering for WLAN and WiMAX Applications. , 2018, , .		2
449	Broadband Elliptical Slotted Patch Antenna for 5G Communications. , 2018, , .		2
450	Double-split labyrinth resonator with defective ground system for wide-band band-stop filter application. AIP Advances, 2018, 8, .	0.6	2

#	Article	IF	Citations
451	Automatic QRS Onset Detection of ECG Signal using Secant Line Slope Formula. , 2019, , .		2
452	Metamaterial Inspired High Gain Antenna for Microwave Breast Imaging. , 2019, , .		2
453	Electromagnetic Simulation Method of a Negative Refractive Index Lens Antenna. , 2019, , .		2
454	Inverse double-C shaped square split ring resonator based metamaterial with multi-resonant frequencies for satellite band applications. Results in Physics, 2020, 19, 103454.	2.0	2
455	Design and Performance Analysis of Textile-based RFID (Radio Frequency Identification) Tag Antenna. , 2021, , .		2
456	Prediction of instantaneous likeability of advertisements using deep learning. Cognitive Computation and Systems, 2021, 3, 263-275.	0.8	2
457	Effects of Substrate Material and Dielectric Properties on Electromagnetic Energy Absorption Over GSM Bands. Journal of Emerging Technologies in Web Intelligence, 2013, 5, .	0.6	2
458	Miniaturized Spectacles Shaped Tapered Slotted Patch Antenna for UWB Applications. Journal of Telecommunications and Information Technology, 2018, 1, 70-76.	0.3	2
459	Development of Reconfigurable Antenna for Advanced Tracking Technology. Indonesian Journal of Electrical Engineering and Computer Science, 2018, 10, 672.	0.7	2
460	Circularly polarized microstrip patch antenna array for GPS application. Indonesian Journal of Electrical Engineering and Computer Science, 2019, 15, 920.	0.7	2
461	Optimization of passive metamaterial design with high effective medium ratio for wireless communications. Journal of Magnetism and Magnetic Materials, 2022, 546, 168912.	1.0	2
462	The circularly bent split ring resonator with a high effective medium ratio for multi frequency satellite band applications. Journal of Magnetism and Magnetic Materials, 2022, , 169464.	1.0	2
463	Design and Analysis of a Patch Antenna for Nanosatellite Transmission System. , 2021, , .		2
464	MI-NLMS adaptive beamforming algorithm for OFDM system. , 2008, , .		1
465	An efficient FPGA based prototyping platform for MIMO decoding. , 2009, , .		1
466	Design of meandering probe fed microstrip patch antenna for wireless communication system. , 2009, , .		1
467	Assessment of EM absorption in muscle cube with metamaterial attachment. , 2010, , .		1
468	Performance evaluation of macro diversity handover technique for multi-hop relay cellular networks. , 2010, , .		1

#	Article	IF	Citations
469	Evaluation of SAR in the human head due to hand ring jewellery at 900 and 1800 MHz. , 2011, , .		1
470	Optimization of two-element antenna array for low-frequency transient radio telescope. , 2011, , .		1
471	EM absorption reduction of helix with shielding material for mobile phone applications. , 2011, , .		1
472	Hardware Implementation of a MIMO Decoder Using Matrix Factorization Based Channel Estimation. Frequenz, 2011, 65, .	0.6	1
473	Design of a compact multiband antenna on Al<inf>2</inf>O<inf>3</inf> ceramic material substrate. , 2012, , .		1
474	Effects of substrate material and dielectric properties on electromagnetic energy absorption over GSM bands. , 2012, , .		1
475	Design and analysis of a compact planar electromagnetic bandgap (EBG) structure. , 2012, , .		1
476	Investigation on bandwidth enhancement of dual frequency concentric ring square reflectarray element. , 2012, , .		1
477	Optimization of dipole-based antenna for 21cm line observation. , 2013, , .		1
478	Analysis of Glass-Reinforced Epoxy Material for Radio Frequency Resonator. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	1
479	Theoretical analysis of RFID security protocols. , 2014, , .		1
480	Printed microstrip- fed circular patch antenna for wireless communication. , 2014, , .		1
481	Dual band split-ring patch antenna on ceramic for satellite application. , 2014, , .		1
482	Scattering parameter analysis of different transparent conductive thin films element on silicon solar cell. , 2014, , .		1
483	Effect of seasonal variation on tropospheric scintillation at Ku-band in equatorial climate. Indian Journal of Physics, 2014, 88, 541-545.	0.9	1
484	Analysis of different transparent conductive thin films element on monocrystalline silicon cell. , 2014, , .		1
485	Improvement of contoured beam characteristics of a parabolic reflector antenna by asymmetrically distributed array feed. , 2015, , .		1
486	Cognitive closed access femtocell application using multi-element antenna. Eurasip Journal on Wireless Communications and Networking, 2015, 2015, .	1.5	1

#	Article	IF	Citations
487	A new biopolymer substrateâ€based compact monopole antenna covering RFID, WiMAX, and C/Xâ€band. Microwave and Optical Technology Letters, 2015, 57, 2002-2005.	0.9	1
488	A new mu-negative metamaterial. , 2015, , .		1
489	Biological effect of SAR on the human head due to variation of dielectric properties at 1800 and 2450 MHz with different antenna substrate materials. Science and Engineering of Composite Materials, 2015, 22, .	0.6	1
490	Compact MIMO Antenna for LTE Handsets. Frequenz, 2015, 69, .	0.6	1
491	Analysis of the effects of distance between head and mobile phone on SAR. , 2015, , .		1
492	Design and performance analysis of small-sized multiband microstrip patch antenna on custom-made biopolymer substrate. Science and Engineering of Composite Materials, 2016, 23, 729-735.	0.6	1
493	Compact dual S shaped slotted multiband patch antenna. , 2017, , .		1
494	A 3D unidirectional antenna for microwave application. , 2017, , .		1
495	Pattern Reconfigurable Dielectric Resonator Antenna Using Multi-Feed technique for LTE and Wi-Fi Applications. , 2018, , .		1
496	Electromagnetic Performances Analysis of a Microwave Imaging System(MIS) for Breast Tumor Detection. , 2018, , .		1
497	Investigation of Left-Handed Meta-Atom for Radio Frequency Shielding Application. Science of Advanced Materials, 2018, 10, 1582-1587.	0.1	1
498	Computational analysis of Microwave Imaging (MWI) System for Post Stroke Screening Using Unidirectional Antenna. , 2018, , .		1
499	Depiction of a Circulated Double Psi-Shaped Microstrip Antenna for Ku-Band Satellite Applications. , 2018, , .		1
500	Performance analysis of a 3D unidirectional antenna opted for biomedical microwave imaging. Microwave and Optical Technology Letters, 2018, 60, 2849-2853.	0.9	1
501	Design of Multi-band Patch Antenna for Ubiquitous Wireless Communication. , 2019, , .		1
502	Design and analysis of compact perfect metamaterial absorber for X-band applications. IOP Conference Series: Earth and Environmental Science, 0, 228, 012020.	0.2	1
503	Effect of lateral Gate Design on the Performance of Junctionless Lateral Gate Transistors. Electronics (Switzerland), 2019, 8, 538.	1.8	1
504	New Compact Perfect Metamaterial Absorber for Dual Band Applications. Lecture Notes in Electrical Engineering, 2019, , 381-386.	0.3	1

#	Article	IF	Citations
505	Sub-6 GHz 5G Multilayer Base Station Antenna for Outdoor Localization Technique. , 2019, , .		1
506	On the Possibility of Use of Planar Dielectric Resonators for Solving the Problems of Frequency Stabilization of Millimeter Waves Oscillators. , 2019, , .		1
507	A Compact Dual Band LC Resonator Loaded Metarnaterial Inspired Antenna for 5G Wireless Communication. , 2019, , .		1
508	Ultralow Profile, Low Passive Intermodulation, and Super-Wideband Ceiling Mount Antennas for Cellular and Public Safety Distributed Antenna Systems. Sensors, 2020, 20, 2456.	2.1	1
509	Dielectric passive left-handed symmetric metamaterial design for electromagnetic absorption reduction application. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2022, 236, 2157-2170.	0.7	1
510	Development of VHF LC-Passive Filters for Multiband Transient Radio Telescope. IJAIT (International) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.2	1
511	Compact wideband fiveâ€port reflectometer based on symmetrical waveguide ring junction for synthetic microwave imaging applications. International Journal of Communication Systems, 0, , e5032.	1.6	1
512	A High Gain and Low Cross-Polarization Compact Slotted Patch Antenna for 5G Wireless Communication Applications. , 2021, , .		1
513	Compact patch antenna with folded patch feed for ultrawideband application. , 2008, , .		0
514	Evaluation of different types of human head shape and ear effects for mobile phone exposure on em absorption. , 2011, , .		0
515	Development of a single square ring reflectarray element for bandwidth enhancement. , 2011, , .		0
516	A wideband UHF RFID reader antenna. , 2011, , .		0
517	Split ring resonators for SAR reduction in human head. , 2011, , .		0
518	Analysis of ring and C-shaped reflectarray antenna element for monopulse application. , 2013, , .		0
519	Design and analysis of inverted H shape dual band patch antenna for microwave application. IOP Conference Series: Materials Science and Engineering, 2013, 44, 012002.	0.3	0
520	Single and sub-array characteristics of capacitive integrated reflectarray design for beam scanning reconfigurability. , 2015, , .		0
521	Design and analysis of a satellite-mount array-fed parabolic antenna by electromagnetic computations. , 2015, , .		0
522	Planar microstrip antenna with dual stop-band functionality. , 2015, , .		0

#	Article	IF	Citations
523	A metamaterial based triangular cloak. , 2015, , .		0
524	Microstrip line-fed monopole antenna on an epoxy-resin-reinforced woven-glass material for super wideband applications. Science and Engineering of Composite Materials, 2017, 24, 361-370.	0.6	0
525	Performance analysis of commercial audio video streaming product using metamaterial antenna. Microwave and Optical Technology Letters, 2017, 59, 2163-2168.	0.9	0
526	An experimental method to determine maximum resolving power in antenna array for transient radio telescope system. , 2017, , .		0
527	A new method in designing dipole-based antenna for transient radio telescope system. , 2017, , .		0
528	Circularly polarized broadband patch antenna for wireless communication. , 2017, , .		0
529	Design and Analysis of an OptimizedÂS-shaped Resonator Based Triple Band Microstrip Antenna for Satellite Applications. , 2018, , 253-263.		0
530	Bee-Comb-Shap Left-Handed Metamaterial for Terahertz Application. , 2018, , 339-348.		0
531	Pattern reconfigurable dielectric resonator antenna based on phased array switches. International Journal of Engineering and Technology(UAE), 2018, 7, 265.	0.2	0
532	Detection of Breast Tumor in Scattered Fibroglandular Breast Tissue Using Inverse Scattering Technique. , 2018, , .		0
533	Performance analysis of an S-band antenna for nanosatellite payloads communication system. Microwave and Optical Technology Letters, 2018, 60, 2817-2820.	0.9	0
534	A Dual-Port Circular Polarized S-Band Antenna for Nanosatellite Communication System. Journal of Physics: Conference Series, 2019, 1152, 012003.	0.3	0
535	Partial Ring Element with a Gap for Dual Frequencies Application. , 2019, , .		0
536	Bandwidth Enhancement of Dielectric Resonator Antenna Using Complementary Hash Resonator. , 2019, , .		0
537	Split ring resonator loaded EF-structured left-handed metamaterial for modern electronic communications. EPJ Applied Physics, 2019, 88, 30901.	0.3	0
538	Circularly-Polarized Four Element Array Antenna at 1.27 GHz for Low Cost Remote Sensing. , 2019, , .		0
539	Left-handed Circular-Shaped Compact Metamaterial for X- and Ku-Band applications. Journal of Physics: Conference Series, 2020, 1529, 052021.	0.3	0
540	Automated QT Interval Measurement Using Modified Pan-Tompkins Algorithm with Independent Isoelectric Line Approach. Journal of Biomimetics, Biomaterials and Biomedical Engineering, 2020, 44, 51-61.	0.5	0

#	Article	IF	Citations
541	Increasing the Q-factor of thin planar dielectric resonator with whispering gallery modes. International Journal of Microwave and Wireless Technologies, 2020, 12, 960-968.	1.5	0
542	NESTED CIRCULAR ELLIPTICAL SHAPED MIXED LOOP RESONATOR BASED BANDPASS FILTER FOR MICROWAVE APPLICATIONS / PENAPIS JALUR BERASASKAN CAMPURAN GEGELUNG PENYALUN BERBENTUK SARANG BULAT UNTUK APLIKASI GELOMBANG MIKRO. Jurnal Teknologi (Sciences and Engineering), 2020, 82, .	0.3	0
543	Developed an Intelligent Knowledge Representation Technique Using Semantic Web Technology. Journal of Emerging Technologies in Web Intelligence, 2013, 5, .	0.6	0
544	DETERMINATION OF THE MOISTURE CONTENT IN WALNUTS USING MICROWAVE NONDESTRUCTIVE TECHNIQUE. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.4	0
545	Polarization insensitive four pentagonal ring-shaped metamaterial absorber for solar energy harvesting. , 2021, , .		0
546	A developed Rectenna for Wireless Energy Harvesting System with High Efficiency. , 2021, , .		0