

# Mohammad Tariqul Islam

## List of Publications by Year in descending order

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546  
papers

11,023  
citations

50170

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64668

79  
g-index

551  
all docs

551  
docs citations

551  
times ranked

5060  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Polarization insensitive symmetrical structured double negative (DNG) metamaterial absorber for Ku-band sensing applications. Scientific Reports, 2022, 12, 479.	1.6	37
5	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
6	Magnetic, dielectric and structural properties of $\text{Co}_x\text{Zn}_{(0.90-x)}\text{Al}_0.10\text{Fe}_2\text{O}_4$ synthesized by sol-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
7	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
8	Radar cross-section reduction using polarisation-dependent passive metamaterial for satellite communication. Chinese Journal of Physics, 2022, 76, 251-268.	2.0	14
9	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
10	An asymmetric CPW-fed modified bow tie-shaped antenna with parasitic elements for ultra-wideband applications. International Journal of Communication Systems, 2022, 35, .	1.6	3
11	Wide-Oblique-Incident-Angle Stable Polarization-Insensitive Ultra-Wideband Metamaterial Perfect Absorber for Visible Optical Wavelength Applications. Materials, 2022, 15, 2201.	1.3	22
12	Polarization and angular insensitive bendable metamaterial absorber for UV to NIR range. Scientific Reports, 2022, 12, 4857.	1.6	27
13	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
14	Wide-angle broadband polarization independent bend-able nano-meta absorber employed in optical wavelength. Optical Materials, 2022, 126, 112174.	1.7	8
15	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
16	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
17	Development and Analysis of Coding and Tailored Metamaterial for Terahertz Frequency Applications. Materials, 2022, 15, 2777.	1.3	7
18	A deep learning model to classify and detect brain abnormalities in portable microwave based imaging system. Scientific Reports, 2022, 12, 6319.	1.6	21

#	ARTICLE	IF	CITATIONS
19	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
20	HipXNet: Deep Learning Approaches to Detect Aseptic Loosening of Hip Implants Using X-Ray Images. IEEE Access, 2022, 10, 53359-53373.	2.6	8
21	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
22	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
23	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
24	Structural, dielectric, and magnetic properties characterization of sol-gel synthesized $\text{Ca}_x\text{Zn}_{(0.90-x)}\text{Ni}_{0.10}\text{Fe}_2\text{O}_4$ 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
25	An angular stable triple-band anisotropic cross-polarization conversion metasurface. Results in Physics, 2022, 37, 105564.	2.0	9
26	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
27	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
28	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
29	Polarization insensitive dual band metamaterial with absorptance for 5G sub-6GHz applications. Scientific Reports, 2022, 12, 8495.	1.6	7
30	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
31	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
32	Compact Multiband Reconfigurable MIMO Antenna for Sub- 6GHz 5G Mobile Terminal. IEEE Access, 2022, 10, 60241-60252.	2.6	11
33	Radio Frequency Energy Harvesting Technologies: A Comprehensive Review on Designing, Methodologies, and Potential Applications. Sensors, 2022, 22, 4144.	2.1	29
34	Polarization Independent Metamaterial Absorber with Anti-Reflection Coating Nanoarchitectonics for Visible and Infrared Window Applications. Materials, 2022, 15, 3733.	1.3	26
35	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
36	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

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37	Development of Double C-Shaped Left-Handed Metamaterial for Dual-Band Wi-Fi and Satellite Communication Application with High Effective Medium Ratio and Wide Bandwidth. <i>Crystals</i> , 2022, 12, 836.	1.0	6
38	Gain and isolation enhancement of a wideband MIMO antenna using metasurface for 5G sub-6GHz communication systems. <i>Scientific Reports</i> , 2022, 12, .	1.6	26
39	Quad-Band Polarization-Insensitive Square Split-Ring Resonator (SSRR) with an Inner Jerusalem Cross Metamaterial Absorber for Ku- and K-Band Sensing Applications. <i>Sensors</i> , 2022, 22, 4489.	2.1	23
40	Design and Analysis of Multi-Layer and Cuboid Coding Metamaterials for Radar Cross-Section Reduction. <i>Materials</i> , 2022, 15, 4282.	1.3	5
41	A co-polarization-insensitive metamaterial absorber for 5G n78 mobile devices at 3.5GHz to reduce the specific absorption rate. <i>Scientific Reports</i> , 2022, 12, .	1.6	14
42	Broadband single-layer reflectarray antenna loaded with meander-delay-lines for X-band applications. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 1105-1112.	3.4	14
43	Factors influencing the adoption of crowdfunding in Bangladesh: A study of start-up entrepreneurs. <i>Information Development</i> , 2021, 37, 72-89.	1.4	18
44	A Portable Electromagnetic Head Imaging System Using Metamaterial Loaded Compact Directional 3D Antenna. <i>IEEE Access</i> , 2021, 9, 50893-50906.	2.6	20
45	Development and Validation of an Early Scoring System for Prediction of Disease Severity in COVID-19 Using Complete Blood Count Parameters. <i>IEEE Access</i> , 2021, 9, 120422-120441.	2.6	29
46	CPW-Fed Super-Wideband Antenna With Modified Vertical Bow-Tie-Shaped Patch for Wireless Sensor Networks. <i>IEEE Access</i> , 2021, 9, 5343-5353.	2.6	19
47	A Multi-Band Near Perfect Polarization and Angular Insensitive Metamaterial Absorber With a Simple Octagonal Resonator for Visible Wavelength. <i>IEEE Access</i> , 2021, 9, 117746-117760.	2.6	35
48	A YOLOv3 Deep Neural Network Model to Detect Brain Tumor in Portable Electromagnetic Imaging System. <i>IEEE Access</i> , 2021, 9, 82647-82660.	2.6	27
49	Left-handed compact multi-band circular metamaterial for S-, C- and Ku-band applications. <i>Materials Today: Proceedings</i> , 2021, 42, 1374-1381.	0.9	3
50	Reduction of 5G cellular network radiation in wireless mobile phone using an asymmetric square shaped passive metamaterial design. <i>Scientific Reports</i> , 2021, 11, 2619.	1.6	24
51	Linear regression of sensitivity for meander line parasitic resonator based on ENG metamaterial in the application of sensing. <i>Journal of Materials Research and Technology</i> , 2021, 10, 1103-1121.	2.6	6
52	Symmetric square shaped metamaterial structure with quintuple resonance frequencies for S, C, X and Ku band applications. <i>Scientific Reports</i> , 2021, 11, 4270.	1.6	8
53	A multi-split based square split ring resonator for multiband satellite applications with high effective medium ratio. <i>Results in Physics</i> , 2021, 22, 103865.	2.0	12
54	A mutual coupled spider net-shaped triple split ring resonator based epsilon-negative metamaterials with high effective medium ratio for quad-band microwave applications. <i>Results in Physics</i> , 2021, 22, 103902.	2.0	17

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55	Design and Performance Analysis of Textile-based RFID (Radio Frequency Identification) Tag Antenna. , 2021, , .		2
56	Microwave Breast Imaging Using Compressed Sensing Approach of Iteratively Corrected Delay Multiply and Sum Beamforming. Diagnostics, 2021, 11, 470.	1.3	13
57	Instrumented Hip Implant: A Review. IEEE Sensors Journal, 2021, 21, 7179-7194.	2.4	7
58	Synthesis and characterization of Mg <sup>2+</sup> /Zn ferrite based flexible microwave composites and its application as SNG metamaterial. Scientific Reports, 2021, 11, 7654.	1.6	22
59	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
60	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
61	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
62	Review on Medical Implantable Antenna Technology and Imminent Research Challenges. Sensors, 2021, 21, 3163.	2.1	31
63	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
64	Polarization-independent symmetrical digital metasurface absorber. Results in Physics, 2021, 24, 103985.	2.0	24
65	Automatic and Reliable Leaf Disease Detection Using Deep Learning Techniques. AgriEngineering, 2021, 3, 294-312.	1.7	115
66	Prediction of instantaneous likeability of advertisements using deep learning. Cognitive Computation and Systems, 2021, 3, 263-275.	0.8	2
67	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
68	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
69	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
70	“Quad-band flexible magnesium zinc ferrite (MgZnFe <sub>2</sub> O <sub>4</sub> )-based double negative metamaterial for microwave applications” Chinese Journal of Physics, 2021, 71, 351-364.	2.0	10
71	Polarization-Independent Broadband Optical Regime Metamaterial Absorber for Solar Harvesting: A Numerical Approach. Chinese Journal of Physics, 2021, 71, 699-715.	2.0	27
72	An octa-band planar monopole antenna for portable communication devices. Scientific Reports, 2021, 11, 15298.	1.6	4

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73	Angle-insensitive co-polarized metamaterial absorber based on equivalent circuit analysis for dual band WiFi applications. <i>Scientific Reports</i> , 2021, 11, 13791.	1.6	17
74	Broadband Sub-6GHz Slot-based MIMO Antenna for 5G NR Bands Mobile Applications. <i>Journal of Physics: Conference Series</i> , 2021, 1962, 012038.	0.3	3
75	Metamaterial array based meander line planar antenna for cube satellite communication. <i>Scientific Reports</i> , 2021, 11, 14087.	1.6	34
76	Parallel LC shaped metamaterial resonator for C and X band satellite applications with wider bandwidth. <i>Scientific Reports</i> , 2021, 11, 16247.	1.6	8
77	Double negative bend headed I-shaped metamaterial based Terahertz optical power splitter. <i>Results in Physics</i> , 2021, 27, 104492.	2.0	5
78	A double hollow rectangular-shaped patch and with the slotted ground plane monopole wideband antenna for microwave head imaging applications. <i>International Journal of Communication Systems</i> , 2021, 34, e4958.	1.6	5
79	Compact ellipse shaped patch with ground slotted broadband monopole patch antenna for head imaging applications. <i>Chinese Journal of Physics</i> , 2021, 72, 310-326.	2.0	14
80	Realization of frequency hopping characteristics of an epsilon negative metamaterial with high effective medium ratio for multiband microwave applications. <i>Scientific Reports</i> , 2021, 11, 16898.	1.6	13
81	Polarization insensitivity characterization of dual-band perfect metamaterial absorber for K band sensing applications. <i>Scientific Reports</i> , 2021, 11, 17829.	1.6	46
82	Modified double dumbbell-shaped split-ring resonator-based negative permittivity metamaterial for satellite communications with high effective medium ratio. <i>Scientific Reports</i> , 2021, 11, 19331.	1.6	20
83	A dual-band polarization-independent left-handed symmetrical metamaterial for communication system application. <i>Journal of Materials Research and Technology</i> , 2021, 15, 731-744.	2.6	6
84	Multimodal EEG and Keystroke Dynamics Based Biometric System Using Machine Learning Algorithms. <i>IEEE Access</i> , 2021, 9, 94625-94643.	2.6	35
85	A Wide-Angle, Enhanced Oblique Incidence, Bend-Able Metamaterial Absorber Employed in Visible Region With a Sun Shape Resonator. <i>IEEE Access</i> , 2021, 9, 126466-126480.	2.6	21
86	DNG Metamaterial Reflector Using SOCT Shaped Resonator for Microwave Applications. <i>IEEE Access</i> , 2021, 9, 59148-59159.	2.6	3
87	Electromagnetic radiation reduction using novel metamaterial for cellular applications. <i>Radiation Physics and Chemistry</i> , 2021, 178, 108976.	1.4	15
88	Polarization-independent perfect metamaterial absorber for C, X and, Ku band applications. <i>Journal of Materials Research and Technology</i> , 2021, 15, 3722-3732.	2.6	19
89	Symmetric resonator based tunable epsilon negative near zero index metamaterial with high effective medium ratio for multiband wireless applications. <i>Scientific Reports</i> , 2021, 11, 21842.	1.6	8
90	Metamaterial based on an inverse double V loaded complementary square split ring resonator for radar and Wi-Fi applications. <i>Scientific Reports</i> , 2021, 11, 21782.	1.6	14

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91	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
92	Tri Circle Split Ring Resonator Shaped Metamaterial With Mathematical Modeling for Oil Concentration Sensing. IEEE Access, 2021, 9, 161087-161102.	2.6	14
93	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
94	Wireless Charging of Electric Vehicle While Driving. IEEE Access, 2021, 9, 157973-157983.	2.6	10
95	Polarization insensitive four pentagonal ring-shaped metamaterial absorber for solar energy harvesting. , 2021, , .		0
96	A High Gain and Low Cross-Polarization Compact Slotted Patch Antenna for 5G Wireless Communication Applications. , 2021, , .		1
97	A developed Rectenna for Wireless Energy Harvesting System with High Efficiency. , 2021, , .		0
98	Design and Analysis of a Patch Antenna for Nanosatellite Transmission System. , 2021, , .		2
99	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
100	Hexagonal Shaped Near Zero Index (NZI) Metamaterial Based MIMO Antenna for Millimeter-Wave Application. IEEE Access, 2020, 8, 181003-181013.	2.6	41
101	Double H-shaped complementary split ring resonator with different orientations for quad-band satellite applications. Results in Physics, 2020, 19, 103427.	2.0	10
102	Quad band metamaterial absorber based on asymmetric circular split ring resonator for multiband microwave applications. Results in Physics, 2020, 19, 103467.	2.0	55
103	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
104	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
105	Can AI Help in Screening Viral and COVID-19 Pneumonia?. IEEE Access, 2020, 8, 132665-132676.	2.6	1,080
106	A Wide Incident Angle, Ultrathin, Polarization-Insensitive Metamaterial Absorber for Optical Wavelength Applications. IEEE Access, 2020, 8, 129525-129541.	2.6	35
107	SNG and DNG meta-absorber with fractional absorption band for sensing application. Scientific Reports, 2020, 10, 13086.	1.6	13
108	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

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109	Left-handed Circular-Shaped Compact Metamaterial for X- and Ku-Band applications. Journal of Physics: Conference Series, 2020, 1529, 052021.	0.3	0
110	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
111	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
112	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
113	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
114	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
115	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
116	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
117	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
118	Inertia to the adoption of crowdfunding in Bangladesh: A study on start-up entrepreneurs. Cogent Business and Management, 2020, 7, 1811597.	1.3	3
119	Reliable Tuberculosis Detection Using Chest X-Ray With Deep Learning, Segmentation and Visualization. IEEE Access, 2020, 8, 191586-191601.	2.6	243
120	A Grounded Coplanar Waveguide-Based Slotted Inverted Delta-Shaped Wideband Antenna for Microwave Head Imaging. IEEE Access, 2020, 8, 185698-185724.	2.6	28
121	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
122	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
123	A Planar Ultrawideband Patch Antenna Array for Microwave Breast Tumor Detection. Materials, 2020, 13, 4918.	1.3	23
124	Synthesis, Characterization and Development of Energy Harvesting Techniques Incorporated with Antennas: A Review Study. Sensors, 2020, 20, 2772.	2.1	23
125	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
126	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



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127	Eight-Port Metamaterial Loaded UWB-MIMO Antenna System for 3D System-in-Package Applications. IEEE Access, 2020, 8, 106982-106992.	2.6	30
128	Polarization-Independent Ultra-Wideband Metamaterial Absorber for Solar Harvesting at Infrared Regime. Materials, 2020, 13, 2560.	1.3	13
129	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
130	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
131	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
132	A Low-Profile Wideband Antenna for WWAN/LTE Applications. Electronics (Switzerland), 2020, 9, 393.	1.8	14
133	An Octagonal Ring-shaped Parasitic Resonator Based Compact Ultrawideband Antenna for Microwave Imaging Applications. Sensors, 2020, 20, 1354.	2.1	33
134	Low-Profile Slotted Metamaterial Antenna Based on Bi Slot Microstrip Patch for 5G Application. Sensors, 2020, 20, 3323.	2.1	16
135	Wide Bandwidth Angle- and Polarization-Insensitive Symmetric Metamaterial Absorber for X and Ku Band Applications. Scientific Reports, 2020, 10, 10338.	1.6	42
136	A compact skull-shaped defected ground super wideband microstrip monopole antenna for short-distance wireless communication. International Journal of Communication Systems, 2020, 33, e4527.	1.6	9
137	In-Vivo and Ex-Vivo Measurements of Blood Glucose Using Whispering Gallery Modes. Sensors, 2020, 20, 830.	2.1	14
138	Digital metamaterial filter for encoding information. Scientific Reports, 2020, 10, 3289.	1.6	19
139	A UHF CPW-fed patch antenna for nanosatellite store and forward mission. Microsystem Technologies, 2020, 26, 2399-2405.	1.2	3
140	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
141	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
142	A dual band left-handed metamaterial-enabled design for satellite applications. Results in Physics, 2020, 16, 102942.	2.0	36
143	Compact Ultra-Wideband Monopole Antenna Loaded with Metamaterial. Sensors, 2020, 20, 796.	2.1	36
144	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

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145	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
146	Low Profile Multi-slotted Patch Antenna for Lower 5G Application. , 2020, , .		9
147	DETERMINATION OF THE MOISTURE CONTENT IN WALNUTS USING MICROWAVE NONDESTRUCTIVE TECHNIQUE. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and) Tj ETQq1 1 0.784314 rgBTb/Overlo		
148	Metamaterial Loaded Nine High Gain Vivaldi Antennas Array for Microwave Breast Imaging Application. IEEE Access, 2020, 8, 227678-227689.	2.6	14
149	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
150	Design of a Novel Double Negative Metamaterial Absorber Atom for Ku and K Band Applications. Electronics (Switzerland), 2019, 8, 853.	1.8	23
151	Nickel Particle-Based Compact Flexible Antenna for Modern Communication Systems. Electronics (Switzerland), 2019, 8, 787.	1.8	5
152	Flexible nickel aluminate (NiAl <sub>2</sub> O <sub>4</sub> ) based dual-band double negative metamaterial for microwave applications. Results in Physics, 2019, 14, 102524.	2.0	28
153	Electrically Compact SRR-Loaded Metamaterial Inspired Quad Band Antenna for Bluetooth/WiFi/WLAN/WiMAX System. Electronics (Switzerland), 2019, 8, 790.	1.8	34
154	Polarization-dependent tunneled metamaterial structure with enhanced fields properties for X-band application. Results in Physics, 2019, 15, 102530.	2.0	36
155	Design of Multi-band Patch Antenna for Ubiquitous Wireless Communication. , 2019, , .		1
156	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
157	Left-handed metamaterial bandpass filter for GPS, Earth Exploration-Satellite and WiMAX frequency sensing applications. PLoS ONE, 2019, 14, e0224478.	1.1	17
158	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
159	Estimation of affective dimensions using CNN-based features of audiovisual data. Pattern Recognition Letters, 2019, 128, 290-297.	2.6	3
160	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
161	A Low Profile, Dual-band, Dual Polarized Antenna for Indoor/Outdoor Wearable Application. IEEE Access, 2019, 7, 33277-33288.	2.6	94
162	A SLOTTED UWB ANTIPODAL VIVALDI ANTENNA FOR MICROWAVE IMAGING APPLICATIONS. Progress in Electromagnetics Research M, 2019, 80, 35-43.	0.5	12

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