

# Mohammad Faruque

## List of Publications by Citations

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251  
papers

2,276  
citations

23  
h-index

34  
g-index

300  
ext. papers

3,245  
ext. citations

2.4  
avg, IF

5.85  
L-index

#	Paper	IF	Citations
251	A Miniaturized Antenna with Negative Index Metamaterial Based on Modified SRR and CLS Unit Cell for UWB Microwave Imaging Applications. <i>Materials</i> , <b>2015</b> , 8, 392-407	3.5	71
250	A Near Zero Refractive Index Metamaterial for Electromagnetic Invisibility Cloaking Operation. <i>Materials</i> , <b>2015</b> , 8, 4790-4804	3.5	62
249	A New Compact Double-Negative Miniaturized Metamaterial for Wideband Operation. <i>Materials</i> , <b>2016</b> , 9,	3.5	61
248	The Design and Analysis of a Novel Split-H-Shaped Metamaterial for Multi-Band Microwave Applications. <i>Materials</i> , <b>2014</b> , 7, 4994-5011	3.5	60
247	Dual Band Metamaterial Antenna For LTE/Bluetooth/WiMAX System. <i>Scientific Reports</i> , <b>2018</b> , 8, 1240	4.9	57
246	A Negative Index Metamaterial-Inspired UWB Antenna with an Integration of Complementary SRR and CLS Unit Cells for Microwave Imaging Sensor Applications. <i>Sensors</i> , <b>2015</b> , 15, 11601-27	3.8	55
245	Compact metamaterial antenna for UWB applications. <i>Electronics Letters</i> , <b>2015</b> , 51, 1222-1224	1.1	54
244	DESIGN ANALYSIS OF NEW METAMATERIAL FOR EM ABSORPTION REDUCTION. <i>Progress in Electromagnetics Research</i> , <b>2012</b> , 124, 119-135	3.8	49
243	A New Wide-Band Double-Negative Metamaterial for C- and S-Band Applications. <i>Materials</i> , <b>2014</b> , 8, 57-71	3.5	36
242	Analysis of Electromagnetic Absorption in Mobile Phones Using Metamaterials. <i>Electromagnetics</i> , <b>2011</b> , 31, 215-232	0.8	36
241	Evaluation of Radiation Shielding Features of Co and Ni-Based Superalloys Using MCNP-5 Code: Potential Use in Nuclear Safety. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 7680	2.6	34
240	Microwave Imaging Sensor Using Compact Metamaterial UWB Antenna with a High Correlation Factor. <i>Materials</i> , <b>2015</b> , 8, 4631-4651	3.5	34
239	A Near-Zero Refractive Index Meta-Surface Structure for Antenna Performance Improvement. <i>Materials</i> , <b>2013</b> , 6, 5058-5068	3.5	33
238	Split ring resonator loaded horizontally inverse double L-shaped metamaterial for C-, X- and Ku-Band Microwave applications. <i>Results in Physics</i> , <b>2019</b> , 12, 2112-2122	3.7	32
237	An Object-Independent ENZ Metamaterial-Based Wideband Electromagnetic Cloak. <i>Scientific Reports</i> , <b>2016</b> , 6, 33624	4.9	31
236	DESIGN ANALYSIS OF FERRITE SHEET ATTACHMENT FOR SAR REDUCTION IN HUMAN HEAD. <i>Progress in Electromagnetics Research</i> , <b>2009</b> , 98, 191-205	3.8	29
235	REDUCTION OF SPECIFIC ABSORPTION RATE (SAR) IN THE HUMAN HEAD WITH FERRITE MATERIAL AND METAMATERIAL. <i>Progress in Electromagnetics Research C</i> , <b>2009</b> , 9, 47-58	0.9	29

234	Composite circular split ring resonator (CSRR)-based left-handed metamaterial for C- and Ku-band application. <i>Results in Physics</i> , <b>2019</b> , 14, 102435	3.7	27
233	Specific absorption rate reduction of multi split square ring metamaterial for L- and S-band application. <i>Results in Physics</i> , <b>2019</b> , 15, 102668	3.7	26
232	Compact Left-Handed Meta-Atom for S-, C- and Ku-Band Application. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 1071	2.6	26
231	A New Metasurface Superstrate Structure for Antenna Performance Enhancement. <i>Materials</i> , <b>2013</b> , 6, 3226-3240	3.5	26
230	Five band-notched ultrawide band (UWB) antenna loaded with C-shaped slots. <i>Microwave and Optical Technology Letters</i> , <b>2015</b> , 57, 1470-1475	1.2	23
229	Dual-band operation of a microstrip patch antenna on a Duroid 5870 substrate for Ku- and K-bands. <i>Scientific World Journal, The</i> , <b>2013</b> , 2013, 378420	2.2	23
228	Study of Specific Absorption Rate (SAR) in the human head by metamaterial attachment. <i>IEICE Electronics Express</i> , <b>2010</b> , 7, 240-246	0.5	23
227	Design of miniaturized double-negative material for specific absorption rate reduction in human head. <i>PLoS ONE</i> , <b>2014</b> , 9, e109947	3.7	23
226	Design and analysis of a new composite double negative metamaterial for multi-band communication. <i>Current Applied Physics</i> , <b>2017</b> , 17, 931-939	2.6	22
225	Analysis on the effect of the distances and inclination angles between human head and mobile phone on SAR. <i>Progress in Biophysics and Molecular Biology</i> , <b>2015</b> , 119, 103-10	4.7	22
224	Polarization-dependent tunneled metamaterial structure with enhanced fields properties for X-band application. <i>Results in Physics</i> , <b>2019</b> , 15, 102530	3.7	21
223	A New Design of Metamaterials for SAR Reduction. <i>Measurement Science Review</i> , <b>2013</b> , 13, 70-74	1.7	21
222	Electromagnetic (EM) absorption reduction in a muscle cube with metamaterial attachment. <i>Medical Engineering and Physics</i> , <b>2011</b> , 33, 646-52	2.4	21
221	Wide Bandwidth Angle- and Polarization-Insensitive Symmetric Metamaterial Absorber for X and Ku Band Applications. <i>Scientific Reports</i> , <b>2020</b> , 10, 10338	4.9	20
220	A dual band left-handed metamaterial-enabled design for satellite applications. <i>Results in Physics</i> , <b>2020</b> , 16, 102942	3.7	20
219	Flexible nickel aluminate (NiAl <sub>2</sub> O <sub>4</sub> ) based dual-band double negative metamaterial for microwave applications. <i>Results in Physics</i> , <b>2019</b> , 14, 102524	3.7	20
218	Low specific absorption rate microstrip patch antenna for cellular phone applications. <i>IET Microwaves, Antennas and Propagation</i> , <b>2015</b> , 9, 1540-1546	1.6	20
217	Enhancement of the Shielding Capability of SodaLime Glasses with Sb <sub>2</sub> O <sub>3</sub> Dopant: A Potential Material for Radiation Safety in Nuclear Installations. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 326	2.6	20

216	A tri-band microwave perfect metamaterial absorber. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 2302-2307	1.2	19
215	Design of a patch antenna for ultra wide band applications. <i>Microwave and Optical Technology Letters</i> , <b>2016</b> , 58, 2152-2156	1.2	19
214	A metamaterial unit cell inspired antenna for mobile wireless applications. <i>Microwave and Optical Technology Letters</i> , <b>2016</b> , 58, 263-267	1.2	19
213	Preparation of NiAlO-Based Flexible Substrates for Metamaterials with Negative Dielectric Properties. <i>Scientific Reports</i> , <b>2018</b> , 8, 14948	4.9	19
212	TERRESTRIAL RADIONUCLIDES IN SURFACE (DAM) WATER AND CONCOMITANT DOSE IN METROPOLITAN KUALA LUMPUR. <i>Radiation Protection Dosimetry</i> , <b>2019</b> , 185, 343-350	0.9	18
211	A new metamaterial-based wideband rectangular invisibility cloak. <i>Applied Physics A: Materials Science and Processing</i> , <b>2018</b> , 124, 1	2.6	18
210	Electrically Compact SRR-Loaded Metamaterial Inspired Quad Band Antenna for Bluetooth/WiFi/WLAN/WiMAX System. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 790	2.6	18
209	SAR reduction in a muscle cube with metamaterial attachment. <i>Applied Physics A: Materials Science and Processing</i> , <b>2011</b> , 103, 367-372	2.6	18
208	Perfect metamaterial absorber with high fractional bandwidth for solar energy harvesting. <i>PLoS ONE</i> , <b>2018</b> , 13, e0207314	3.7	18
207	NOVEL TRIANGULAR METAMATERIAL DESIGN FOR ELECTROMAGNETIC ABSORPTION REDUCTION IN HUMAN HEAD. <i>Progress in Electromagnetics Research</i> , <b>2013</b> , 141, 463-478	3.8	17
206	Design of an X-band microstrip patch antenna with enhanced bandwidth <b>2013</b> ,		16
205	Compact Modified Swastika Shape Patch Antenna for WLAN/WiMAX Applications. <i>International Journal of Antennas and Propagation</i> , <b>2014</b> , 2014, 1-8	1.2	16
204	Application of Auxiliary Antenna Elements for SAR Reduction in the Human Head. <i>Advanced Materials Research</i> , <b>2014</b> , 974, 288-292	0.5	16
203	Synergistic effects of Cu-doped ZnO nanoantibiotic against Gram-positive bacterial strains. <i>PLoS ONE</i> , <b>2021</b> , 16, e0251082	3.7	16
202	Specific absorption rate reduction of multi-standard mobile antenna with double-negative metamaterial. <i>Electronics Letters</i> , <b>2015</b> , 51, 970-971	1.1	15
201	Tree-shaped fractal meta-surface with left-handed characteristics for absorption application. <i>Applied Physics A: Materials Science and Processing</i> , <b>2018</b> , 124, 1	2.6	15
200	Subwavelength operating metamaterial for multiband applications. <i>Microwave and Optical Technology Letters</i> , <b>2016</b> , 58, 3004-3008	1.2	15
199	Structural, Optical and Antibacterial Efficacy of Pure and Zinc-Doped Copper Oxide against Pathogenic Bacteria. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	15

198	A Double-Negative Metamaterial-Inspired Mobile Wireless Antenna for Electromagnetic Absorption Reduction. <i>Materials</i> , <b>2015</b> , 8, 4817-4828	3.5	14
197	Labyrinth double split open loop resonator based bandpass filter design for S, C and X-band application. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51, 265102	3	14
196	A Mirror Shape Chiral Meta Atom for C-Band Communication. <i>IEEE Access</i> , <b>2017</b> , 5, 21217-21222	3.5	13
195	Polarization-insensitive infrared-visible perfect metamaterial absorber and permittivity sensor. <i>Results in Physics</i> , <b>2019</b> , 14, 102429	3.7	13
194	Left-handed metamaterial inspired by joint T-D geometry on flexible NiAl <sub>2</sub> O <sub>4</sub> substrate. <i>PLoS ONE</i> , <b>2018</b> , 13, e0199150	3.7	13
193	U-joint Double split O (UDO) shaped with split square metasurface absorber for X and ku band application. <i>Results in Physics</i> , <b>2019</b> , 15, 102757	3.7	12
192	Elevated Concentrations of Metal(loids) in Seaweed and the Concomitant Exposure to Humans. <i>Foods</i> , <b>2021</b> , 10,	4.9	12
191	El Niño driven haze over the Southern Malaysian Peninsula and Borneo. <i>Science of the Total Environment</i> , <b>2020</b> , 730, 139091	10.2	11
190	An ENG metamaterial based wideband electromagnetic cloak. <i>Microwave and Optical Technology Letters</i> , <b>2016</b> , 58, 2522-2525	1.2	11
189	Left-handed metamaterial bandpass filter for GPS, Earth Exploration-Satellite and WiMAX frequency sensing applications. <i>PLoS ONE</i> , <b>2019</b> , 14, e0224478	3.7	11
188	A New Compact Octagonal Shape Perfect Metamaterial Absorber for Microwave Applications. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 1263	2.6	11
187	A two-component NZRI metamaterial based rectangular cloak. <i>AIP Advances</i> , <b>2015</b> , 5, 107116	1.5	11
186	Investigation of hand impact on PIFA performances and SAR in human head. <i>Journal of Applied Research and Technology</i> , <b>2015</b> , 13, 447-453	1.7	11
185	ANALYSIS OF MATERIALS EFFECTS ON RADIO FREQUENCY ELECTROMAGNETIC FIELDS IN HUMAN HEAD. <i>Progress in Electromagnetics Research</i> , <b>2012</b> , 128, 121-136	3.8	11
184	Unmodified Titanium Dioxide Nanoparticles as a Potential Contrast Agent in Photon Emission Computed Tomography. <i>Crystals</i> , <b>2021</b> , 11, 171	2.3	11
183	Depiction and analysis of a modified theta shaped double negative metamaterial for satellite application. <i>Open Physics</i> , <b>2018</b> , 16, 839-847	1.3	11
182	Multiband left handed biaxial meta atom at microwave frequency. <i>Materials Research Express</i> , <b>2017</b> , 4, 035015	1.7	10
181	A new double negative metamaterial for multi-band microwave applications. <i>Applied Physics A: Materials Science and Processing</i> , <b>2014</b> , 116, 723-733	2.6	10

180	A Double Inverted F-Shape Patch Antenna for Dual-Band Operation. <i>International Journal of Antennas and Propagation</i> , <b>2014</b> , 2014, 1-8	1.2	10
179	Antibacterial, antioxidant and physicochemical investigations of tin dioxide nanoparticles synthesized via microemulsion method. <i>Materials Research Express</i> , <b>2021</b> , 8, 035013	1.7	10
178	Tailoring bismuth borate glasses by incorporating PbO/GeO for protection against nuclear radiation. <i>Scientific Reports</i> , <b>2021</b> , 11, 7784	4.9	10
177	Calibration Model of a Low-Cost Air Quality Sensor Using an Adaptive Neuro-Fuzzy Inference System. <i>Sensors</i> , <b>2018</b> , 18,	3.8	10
176	Design and absorption analysis of a new multiband split-S-shaped metamaterial. <i>Science and Engineering of Composite Materials</i> , <b>2017</b> , 24, 139-148	1.5	9
175	A negative index metamaterial antenna for UWB microwave imaging applications. <i>Microwave and Optical Technology Letters</i> , <b>2015</b> , 57, 1352-1361	1.2	9
174	Electromagnetic absorption of SRR based double-inverse E-Shaped metamaterial for DCS, EESC, 5G, and WiMAX applications. <i>Chinese Journal of Physics</i> , <b>2020</b> , 66, 349-361	3.5	9
173	Beam steering of eye shape metamaterial design on dispersive media by FDTD method. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , <b>2018</b> , 31, e2319	1	9
172	Split quadrilateral miniaturised multiband microstrip patch antenna design for modern communication system. <i>IET Microwaves, Antennas and Propagation</i> , <b>2017</b> , 11, 1317-1323	1.6	9
171	Evaluation of Specific Absorption Rate (SAR) Reduction for PIFA antenna Using Metamaterials. <i>Frequenz</i> , <b>2010</b> , 64,	0.6	9
170	Left-handed metamaterial using Z-shaped SRR for multiband application by azimuthal angular rotations. <i>Materials Research Express</i> , <b>2017</b> , 4, 045801	1.7	8
169	A single layer negative index meta atom at microwave frequencies. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 1450-1454	1.2	8
168	The Potential Use of Car Windscreens for Post-Accident Dose Reconstruction in the Periphery of Nuclear Installations. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 7127	2.6	8
167	Microstrip line-fed fractal antenna with a high fidelity factor for UWB imaging applications. <i>Microwave and Optical Technology Letters</i> , <b>2015</b> , 57, 2580-2585	1.2	8
166	Coplanar Waveguide Fed Compact Wide Circular-Slotted Antenna for Wi-Fi/WiMAX Applications. <i>International Journal of Antennas and Propagation</i> , <b>2014</b> , 2014, 1-10	1.2	8
165	EFFECTS OF ELECTROMAGNETIC ABSORPTION TOWARDS HUMAN HEAD DUE TO VARIATION OF ITS DIELECTRIC PROPERTIES AT 900, 1800 AND 1900 MHZ WITH DIFFERENT ANTENNA SUBSTRATES. <i>Progress in Electromagnetics Research</i> , <b>2013</b> , 138, 367-388	3.8	8
164	Polarization-independent symmetrical digital metasurface absorber. <i>Results in Physics</i> , <b>2021</b> , 24, 103985	3.7	8
163	Design and analysis of a new double C-shaped miniaturized metamaterial for multiband applications. <i>Applied Physics A: Materials Science and Processing</i> , <b>2017</b> , 123, 1	2.6	7

162	Radiation dose to Malaysian populace via the consumption of roasted ground and instant coffee. <i>Radiation Physics and Chemistry</i> , <b>2020</b> , 173, 108886	2.5	7
161	Digital metamaterial filter for encoding information. <i>Scientific Reports</i> , <b>2020</b> , 10, 3289	4.9	7
160	Effective Medium Ratio Obeying Wideband Left-Handed Miniaturized Meta-atoms for Multi-band Applications. <i>Journal of Electronic Materials</i> , <b>2018</b> , 47, 1859-1870	1.9	7
159	Wideband 90° Azimuthal Miniaturized Meta Atom with Left-Handed Characteristics. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 1-1	3.8	7
158	Design and analysis of metamaterial inspired low SAR PIFA for mobile phone. <i>International Journal of Applied Electromagnetics and Mechanics</i> , <b>2015</b> , 48, 459-467	0.4	7
157	Stem Cell Transplantation Therapy and Neurological Disorders: Current Status and Future Perspectives.. <i>Biology</i> , <b>2022</b> , 11,	4.9	7
156	Angle-insensitive co-polarized metamaterial absorber based on equivalent circuit analysis for dual band WiFi applications. <i>Scientific Reports</i> , <b>2021</b> , 11, 13791	4.9	7
155	Electromagnetic radiation reduction using novel metamaterial for cellular applications. <i>Radiation Physics and Chemistry</i> , <b>2021</b> , 178, 108976	2.5	7
154	A dual-polarized metamaterial-based cloak. <i>Materials Research Bulletin</i> , <b>2017</b> , 96, 250-253	5.1	6
153	Compact and broadband antenna using double-negative transmission line metamaterial. <i>Applied Physics A: Materials Science and Processing</i> , <b>2017</b> , 123, 1	2.6	6
152	Bandwidth enhanced metamaterial embedded inverse L-slotted antenna for WiFi/WLAN/WiMAX wireless communication. <i>Materials Research Express</i> , <b>2019</b> , 6, 085805	1.7	6
151	Dispersion of radionuclides from coal-fired brick kilns and concomitant impact on human health and the environment. <i>Radiation Physics and Chemistry</i> , <b>2020</b> , 177, 109165	2.5	6
150	Architecture of a unified split P-shaped swarming metamaterial for thermal mutation. <i>Microwave and Optical Technology Letters</i> , <b>2018</b> , 60, 1388-1395	1.2	6
149	Double H-shaped complementary split ring resonator with different orientations for quad-band satellite applications. <i>Results in Physics</i> , <b>2020</b> , 19, 103427	3.7	6
148	Modified Hexagonal Split Ring Resonator Based on an Epsilon-Negative Metamaterial for Triple-Band Satellite Communication. <i>Micromachines</i> , <b>2021</b> , 12,	3.3	6
147	Reduction of 5G cellular network radiation in wireless mobile phone using an asymmetric square shaped passive metamaterial design. <i>Scientific Reports</i> , <b>2021</b> , 11, 2619	4.9	6
146	A broadband negative refractive index meta-atom for quad-band and sensor applications. <i>Microwave and Optical Technology Letters</i> , <b>2018</b> , 60, 2899-2907	1.2	6
145	Biosynthesis and antibacterial activity of MgO-NPs produced from Camellia-sinensis leaves extract. <i>Materials Research Express</i> , <b>2021</b> , 8, 015402	1.7	6

144	Two components NRI metamaterial for dual band applications. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 1092-1096	1.2	5
143	EM absorption reduction in wireless mobile antenna using printed paper-based metamaterial. <i>Applied Physics A: Materials Science and Processing</i> , <b>2017</b> , 123, 1	2.6	5
142	Design and analysis with different substrate materials of a new metamaterial for satellite applications. <i>Science and Engineering of Composite Materials</i> , <b>2018</b> , 25, 59-66	1.5	5
141	Composite left-handed meta-atom for tri-band operation. <i>Materials Research Express</i> , <b>2017</b> , 4, 095801	1.7	5
140	Miniature low SAR printed monopole antenna for mobile phone. <i>Microwave and Optical Technology Letters</i> , <b>2015</b> , 57, 2471-2475	1.2	5
139	Metamaterial-Embedded Low SAR PIFA for Cellular Phone. <i>PLoS ONE</i> , <b>2015</b> , 10, e0142663	3.7	5
138	Dual elliptical patch antenna design on low cost epoxy resin polymer substrate material. <i>International Journal of Applied Electromagnetics and Mechanics</i> , <b>2015</b> , 49, 23-29	0.4	5
137	Design of Split Hexagonal Patch Array Shaped Nano-metaabsorber with Ultra-wideband Absorption for Visible and UV Spectrum Application. <i>Nanoscale Research Letters</i> , <b>2019</b> , 14, 393	5	5
136	Improved Square-Z-Shaped DNG Meta-Atom for C- and X-Band Application. <i>Current Science</i> , <b>2018</b> , 114, 2518	2.2	5
135	A Comprehensive Account on Recent Progress in Pharmacological Activities of Benzimidazole Derivatives. <i>Frontiers in Pharmacology</i> , <b>2021</b> , 12, 762807	5.6	5
134	Wideband Linearly Polarized Printed Monopole Antenna for C-Band. <i>Lecture Notes in Electrical Engineering</i> , <b>2015</b> , 205-212	0.2	5
133	Development of a Robust Multi-Scale Featured Local Binary Pattern for Improved Facial Expression Recognition. <i>Sensors</i> , <b>2020</b> , 20,	3.8	5
132	A multi-split based square split ring resonator for multiband satellite applications with high effective medium ratio. <i>Results in Physics</i> , <b>2021</b> , 22, 103865	3.7	5
131	A practical method for incorporation of Fe (III) in Titania matrix for photocatalytic applications. <i>Materials Research Express</i> , <b>2021</b> , 8, 045006	1.7	5
130	Anomaly Classification for Earthquake Prediction in Radon Time Series Data Using Stacking and Automatic Anomaly Indication Function. <i>Pure and Applied Geophysics</i> , <b>2021</b> , 178, 1593	2.2	5
129	Enhanced Optical and Antibacterial Activity of Hydrothermally Synthesized Cobalt-Doped Zinc Oxide Cylindrical Microcrystals. <i>Materials</i> , <b>2021</b> , 14,	3.5	5
128	Depiction and analysis of a modified H-shaped double-negative meta atom for satellite communication. <i>International Journal of Microwave and Wireless Technologies</i> , <b>2018</b> , 10, 1155-1165	0.8	5
127	Modified double dumbbell-shaped split-ring resonator-based negative permittivity metamaterial for satellite communications with high effective medium ratio. <i>Scientific Reports</i> , <b>2021</b> , 11, 19331	4.9	5



126	Inverse E-shape chiral metamaterial for long distance telecommunication. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 1772-1776	1.2	4
125	Low-SAR metamaterial-inspired printed monopole antenna. <i>Applied Physics A: Materials Science and Processing</i> , <b>2017</b> , 123, 1	2.6	4
124	Aztec shape metamaterial-based bandpass filter for C, X and Ku-band applications. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 228, 012019	0.3	4
123	Circularly polarized patch antenna for S-band satellite applications <b>2015</b> ,		4
122	A compact disc-shaped super wideband patch antenna with a structure of parasitic element. <i>International Journal of Applied Electromagnetics and Mechanics</i> , <b>2016</b> , 50, 11-28	0.4	4
121	Specific absorption rate analysis of broadband mobile antenna with negative index metamaterial. <i>Applied Physics A: Materials Science and Processing</i> , <b>2016</b> , 122, 1	2.6	4
120	Design and analysis of coupled-resonator reconfigurable antenna. <i>Applied Physics A: Materials Science and Processing</i> , <b>2016</b> , 122, 1	2.6	4
119	Octagonal shaped circular polarized C-band antenna for small satellite communication <b>2015</b> ,		4
118	Radar cross-section reduction using polarisation-dependent passive metamaterial for satellite communication. <i>Chinese Journal of Physics</i> , <b>2022</b> , 76, 251-268	3.5	4
117	The Usages and Potential Uses of Alginate for Healthcare Applications. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 719972	5.6	4
116	Polarization-independent perfect metamaterial absorber for C, X and, Ku band applications. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 15, 3722-3732	5.5	4
115	Electric field controlled cohesive symmetric hook-C shape inspired metamaterial for S-band application. <i>Chinese Journal of Physics</i> , <b>2020</b> , 68, 28-38	3.5	4
114	Enhancement of mechanical and corrosion resistance properties of electrodeposited Ni-P-TiC composite coatings. <i>Scientific Reports</i> , <b>2021</b> , 11, 5327	4.9	4
113	Enhancement of magnetic field intensity with a left-handed metamaterial tunnel resonator for obstacle sensing. <i>Chinese Journal of Physics</i> , <b>2021</b> , 70, 91-105	3.5	4
112	Design and analysis of modified-split-H-shaped DNG metamaterial for microwave application. <i>Materials Research Express</i> , <b>2019</b> , 6, 125808	1.7	4
111	Triple band microwave metamaterial absorber based on double E-shaped symmetric split ring resonators for EMI shielding and stealth applications. <i>Journal of Materials Research and Technology</i> , <b>2022</b> , 18, 1653-1668	5.5	4
110	Design and analysis of a complementary split ring resonator (CSRR) metamaterial based antenna for wideband application. <i>Science and Engineering of Composite Materials</i> , <b>2017</b> , 24, 573-580	1.5	3
109	A novel biaxial double-negative metamaterial for electromagnetic rectangular cloaking operation. <i>Science and Engineering of Composite Materials</i> , <b>2017</b> , 24, 335-343	1.5	3

108	Circularly split-ring-resonator-based frequency-reconfigurable antenna. <i>Applied Physics A: Materials Science and Processing</i> , <b>2017</b> , 123, 1	2.6	3
107	A new wideband negative refractive index metamaterial for dual-band operation. <i>Applied Physics A: Materials Science and Processing</i> , <b>2017</b> , 123, 1	2.6	3
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105	Thin-Layer Dielectric and Left-Handed Metamaterial Stacked Compact Triband Antenna for 2 GHz to 4 GHz Wireless Networks. <i>Journal of Electronic Materials</i> , <b>2019</b> , 48, 3979-3990	1.9	3
104	Compositional Analysis of Chalcopyrite Using Calibration-Free Laser-Induced Breakdown Spectroscopy. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 6848	2.6	3
103	Parametric studies on split S-shaped composite meta atom for X-band communication. <i>Bulletin of the Polish Academy of Sciences: Technical Sciences</i> , <b>2017</b> , 65, 533-539		3
102	A new double T-U-shaped biaxial compact double-negative meta-atom for multiband applications. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 2551-2557	1.2	3
101	Design of an UWB Patch Antenna for Dual Frequency Operations. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , <b>2014</b> , 7, 822-825	0.2	3
100	A compact 5.5 GHz band-rejected UWB antenna using complementary split ring resonators. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 528489	2.2	3
99	Effects of Dielectric Values and Substrate Materials on Electromagnetic (EM) Absorption in Human Head. <i>Frequenz</i> , <b>2012</b> , 66,	0.6	3
98	Reduction of specific absorption rate (SAR) in the human head with materials and metamaterial <b>2009</b> ,		3
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96	Metamaterial-inspired electrically small antenna for microwave applications. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 1464420721101143	1.3	3
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94	Bird Face Microstrip Printed Monopole Antenna Design for Ultra Wide Band Applications. <i>Frequenz</i> , <b>2016</b> , 70,	0.6	3
93	Symmetric square shaped metamaterial structure with quintuple resonance frequencies for S, C, X and Ku band applications. <i>Scientific Reports</i> , <b>2021</b> , 11, 4270	4.9	3
92	Parallel LC shaped metamaterial resonator for C and X band satellite applications with wider bandwidth. <i>Scientific Reports</i> , <b>2021</b> , 11, 16247	4.9	3
91	Development of a computer-aided tool for detection of COVID-19 pneumonia from CXR images using machine learning algorithm. <i>Journal of Radiation Research and Applied Sciences</i> , <b>2022</b> , 15, 32-43	1.5	3

90	Split quadrilateral multiband microstrip patch antenna design for modern communication system. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 1530-1538	1.2	2
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88	A combined double H-shaped microstrip patch antenna for X-band operation <b>2017</b> ,		2
87	Preparation of Flexible Substrate for Patch Antenna Based on Nickel Aluminate (NiAl <sub>2</sub> O <sub>4</sub> ) Synthesized by Sol-Gel Method. <i>Journal of Electronic Materials</i> , <b>2019</b> , 48, 2932-2939	1.9	2
86	Low SAR Microstrip Patch Antenna for Mobile Phone. <i>Frequenz</i> , <b>2015</b> , 69,	0.6	2
85	Omni-directional microstrip monopole antenna for UWB microwave imaging system <b>2015</b> ,		2
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83	Left-handed meta-surface loaded with ring resonator modelling for satellite application. <i>International Journal of Satellite Communications and Networking</i> , <b>2018</b> , 36, 352-360	1.7	2
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81	Nickel Particle-Based Compact Flexible Antenna for Modern Communication Systems. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 787	2.6	2
80	Design of a triple frequency band patch antenna on FR4 substrate material <b>2013</b> ,		2
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78	A new miniaturized negative-index meta-atom for tri-band applications. <i>Open Physics</i> , <b>2017</b> , 15, 464-471	1.3	2
77	Assessment of specific absorption rate reduction in human head using metamaterial. <i>Science and Engineering of Composite Materials</i> , <b>2014</b> , 21, 79-85	1.5	2
76	Dual wideband n shaped patch antenna loaded with shorting pin for wireless applications <b>2013</b> ,		2
75	Circularly polarized dual frequency patch antenna for TTC applications <b>2013</b> ,		2
74	Assessment of specific absorption rate (SAR) and temperature increases in the human head of portable telephones <b>2010</b> ,		2
73	Numerical analysis of aluminium sheet for SAR reduction <b>2011</b> ,		2

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69	A compact square-shaped left-handed passive metamaterial with optimized quintuple resonance frequencies for satellite applications. <i>Chinese Journal of Physics</i> , <b>2020</b> , 67, 360-375	3.5	2
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66	Calculation of secondary radiation absorbed doses due to the proton therapy on breast cancer using MCNPX code. <i>Radiation Physics and Chemistry</i> , <b>2021</b> , 183, 109427	2.5	2
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63	Low SAR planar inverted-F antenna for mobile phone <b>2016</b> ,		2
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61	Design of a compact UWB antenna with a partial ground plane on epoxy woven glass material. <i>Science and Engineering of Composite Materials</i> , <b>2017</b> , 24, 73-79	1.5	1
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59	An effective medium ratio following miniaturized concentric meta-atom for S- and C-band applications. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 1233-1240	1.2	1
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39	A quadrilateral shape broadband antenna for wireless application. <i>International Journal of Applied Electromagnetics and Mechanics</i> , <b>2016</b> , 50, 45-49	0.4	1
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32	A New Compact Split Ring Resonator Based Double Inverse Epsilon Shaped Metamaterial for Triple Band Satellite and Radar Communication. <i>Crystals</i> , <b>2022</b> , 12, 520	2.3	1
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29	New Compact Perfect Metamaterial Absorber for Dual Band Applications. <i>Lecture Notes in Electrical Engineering</i> , <b>2019</b> , 381-386	0.2	0
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