Mohammad Tariqul Islam

List of Publications by Citations

455 papers	5,310 citations	34 h-index	52 g-index
551 ext. papers	8,244 ext. citations	2.6 avg, IF	6.57 L-index

#	Paper	IF	Citations
455	. *IEEE Access*, **2020**, 8, 132665-132676	3.5	431
454	Compact Tapered-Shape Slot Antenna for UWB Applications. *IEEE Antennas and Wireless Propagation Letters*, **2011**, 10, 1190-1193	3.8	136
453	Exploring the effect of image enhancement techniques on COVID-19 detection using chest X-ray images. *Computers in Biology and Medicine*, **2021**, 132, 104319	7	127
452	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	3.5	71
451	A Near Zero Refractive Index Metamaterial for Electromagnetic Invisibility Cloaking Operation. *Materials*, **2015**, 8, 4790-4804	3.5	62
450	A New Compact Double-Negative Miniaturized Metamaterial for Wideband Operation. *Materials*, **2016**, 9,	3.5	61
449	The Design and Analysis of a Novel Split-H-Shaped Metamaterial for Multi-Band Microwave Applications. *Materials*, **2014**, 7, 4994-5011	3.5	60
448	BROADBAND E-H SHAPED MICROSTRIP PATCH ANTENNA FOR WIRELESS SYSTEMS. *Progress in Electromagnetics Research*, **2009**, 98, 163-173	3.8	60
447	TRIPLE BAND-NOTCHED PLANAR UWB ANTENNA USING PARASITIC STRIPS. *Progress in Electromagnetics Research*, **2012**, 129, 161-179	3.8	58
446	Dual Band Metamaterial Antenna For LTE/Bluetooth/WiMAX System. *Scientific Reports*, **2018**, 8, 1240	4.9	57
445	. *IEEE Access*, **2020**, 8, 191586-191601	3.5	57
444	A Low Cost and Portable Microwave Imaging System for Breast Tumor Detection Using UWB Directional Antenna array. *Scientific Reports*, **2019**, 9, 15491	4.9	57
443	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, 11601-27	3.8	55
442	DESIGN OF A NOVEL SUPER WIDE BAND CIRCULAR-HEXAGONAL FRACTAL ANTENNA. *Progress in Electromagnetics Research*, **2013**, 139, 229-245	3.8	55
441	CIRCULAR MICROSTRIP SLOT ANTENNA FOR DUAL-FREQUENCY RFID APPLICATION. *Progress in Electromagnetics Research*, **2011**, 120, 499-512	3.8	54
440	A Novel High-Gain Dual-Band Antenna for RFID Reader Applications. *IEEE Antennas and Wireless Propagation Letters*, **2010**, 9, 653-656	3.8	53
439	Dual Band-Notch UWB Antenna With Single Tri-Arm Resonator. *IEEE Antennas and Wireless Propagation Letters*, **2014**, 13, 670-673	3.8	50

438	DESIGN ANALYSIS OF NEW METAMATERIAL FOR EM ABSORPTION REDUCTION. *Progress in Electromagnetics Research*, **2012**, 124, 119-135	3.8	49
437	. *IEEE Access*, **2019**, 7, 33277-33288	3.5	48
436	MULTI-SLOTTED MICROSTRIP PATCH ANTENNA FOR WIRELESS COMMUNICATION. *Progress in Electromagnetics Research Letters*, **2009**, 10, 11-18	0.5	48
435	A compact circular-ring antenna for ultra-wideband applications. *Microwave and Optical Technology Letters*, **2011**, 53, 2283-2288	1.2	46
434	DESIGN ANALYSIS OF HIGH GAIN WIDEBAND L-PROBE FED MICROSTRIP PATCH ANTENNA. *Progress in Electromagnetics Research*, **2009**, 95, 397-407	3.8	46
433	A Polarization Independent Quasi-TEM Metamaterial Absorber for X and Ku Band Sensing Applications. *Sensors*, **2018**, 18,	3.8	46
432	Monitoring of the Human Body Signal through the Internet of Things (IoT) Based LoRa Wireless Network System. *Applied Sciences (Switzerland)*, **2019**, 9, 1884	2.6	40
431	Microwave Imaging for Breast Tumor Detection Using Uniplanar AMC Based CPW-Fed Microstrip Antenna. *IEEE Access*, **2018**, 6, 44763-44775	3.5	40
430	A semicircular shaped super wideband patch antenna with high bandwidth dimension ratio. *Microwave and Optical Technology Letters*, **2015**, 57, 445-452	1.2	39
429	COMPACT PLANAR UWB ANTENNA WITH BAND NOTCH CHARACTERISTICS FOR WLAN AND DSRC. *Progress in Electromagnetics Research*, **2013**, 133, 391-406	3.8	39
428	. *IEEE Access*, **2020**, 8, 148793-148811	3.5	38
427	Compact Antenna for Small Satellite Applications [Antenna Applications Corner]. *IEEE Antennas and Propagation Magazine*, **2015**, 57, 30-36	1.7	37
426	A New Wide-Band Double-Negative Metamaterial for C- and S-Band Applications. *Materials*, **2014**, 8, 57-71	3.5	36
425	Development of Electromagnetic Band Gap Structures in the Perspective of Microstrip Antenna Design. *International Journal of Antennas and Propagation*, **2013**, 2013, 1-22	1.2	36
424	Analysis of Electromagnetic Absorption in Mobile Phones Using Metamaterials. *Electromagnetics*, **2011**, 31, 215-232	0.8	36
423	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	4.9	36
422	A complementary split ring resonator based metamaterial with effective medium ratio for C-band microwave applications. *Results in Physics*, **2019**, 15, 102675	3.7	34
421	Microwave Imaging Sensor Using Compact Metamaterial UWB Antenna with a High Correlation Factor. *Materials*, **2015**, 8, 4631-4651	3.5	34

420	A NOVEL COMPACT SPLIT RING SLOTTED ELECTROMAGNETIC BANDGAP STRUCTURE FOR MICROSTRIP PATCH ANTENNA PERFORMANCE ENHANCEMENT. *Progress in Electromagnetics Research*, **2012**, 130, 389-409	3.8	34
419	A Near-Zero Refractive Index Meta-Surface Structure for Antenna Performance Improvement. *Materials*, **2013**, 6, 5058-5068	3.5	33
418	A Homogeneous Breast Phantom Measurement System with an Improved Modified Microwave Imaging Antenna Sensor. *Sensors*, **2018**, 18,	3.8	33
417	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	3.7	32
416	An Object-Independent ENZ Metamaterial-Based Wideband Electromagnetic Cloak. *Scientific Reports*, **2016**, 6, 33624	4.9	31
415	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	3.8	29
414	DESIGN ANALYSIS OF FERRITE SHEET ATTACHMENT FOR SAR REDUCTION IN HUMAN HEAD. *Progress in Electromagnetics Research*, **2009**, 98, 191-205	3.8	29
413	REDUCTION OF SPECIFIC ABSORPTION RATE (SAR) IN THE HUMAN HEAD WITH FERRITE MATERIAL AND METAMATERIAL. *Progress in Electromagnetics Research C*, **2009**, 9, 47-58	0.9	29
412	Slot Loaded Circular Microstrip Antenna with Meandered Slits. *Journal of Electromagnetic Waves and Applications*, **2011**, 25, 1851-1862	1.3	28
411	Unidirectional Wideband 3-D Antenna for Human Head-Imaging Application. *IEEE Antennas and Wireless Propagation Letters*, **2017**, 16, 169-172	3.8	27
410	Planar UWB antenna with multi-slotted ground plane. *Microwave and Optical Technology Letters*, **2011**, 53, 966-968	1.2	27
409	Left-Handed Metamaterial-Inspired Unit Cell for S-Band Glucose Sensing Application. *Sensors*, **2019**, 19,	3.8	27
408	. *IEEE Access*, **2019**, 7, 127850-127861	3.5	26
407	Breast Phantom Imaging Using Iteratively Corrected Coherence Factor Delay and Sum. *IEEE Access*, **2019**, 7, 40822-40832	3.5	26
406	Compact Left-Handed Meta-Atom for S-, C- and Ku-Band Application. *Applied Sciences (Switzerland)*, **2017**, 7, 1071	2.6	26
405	A New Metasurface Superstrate Structure for Antenna Performance Enhancement. *Materials*, **2013**, 6, 3226-3240	3.5	26
404	A Gap Coupled Hexagonal Split Ring Resonator Based Metamaterial for S-Band and X-Band Microwave Applications. *IEEE Access*, **2020**, 8, 68239-68253	3.5	26
403	Flexible wideband antenna for 5G applications. *Microwave and Optical Technology Letters*, **2018**, 60, 38-44	1.2	26

402	Microwave Breast Phantom Measurement System With Compact Side Slotted Directional Antenna. *IEEE Access*, **2017**, 5, 5321-5330	3.5	25
401	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	2.6	25
400	Microstrip Line-fed Printed Planar Monopole Antenna for UWB Applications. *Arabian Journal for Science and Engineering*, **2013**, 38, 2415-2422		24
399	A high performance UWB antenna design for microwave imaging system. *Microwave and Optical Technology Letters*, **2016**, 58, 1824-1831	1.2	24
398	Experimental Breast Phantoms for Estimation of Breast Tumor Using Microwave Imaging Systems. *IEEE Access*, **2018**, 6, 78587-78597	3.5	24
397	Five band-notched ultrawide band (UWB) antenna loaded with C-shaped slots. *Microwave and Optical Technology Letters*, **2015**, 57, 1470-1475	1.2	23
396	A Negative Index Metamaterial to Enhance the Performance of Miniaturized UWB Antenna for Microwave Imaging Applications. *Applied Sciences (Switzerland)*, **2017**, 7, 1149	2.6	23
395	Dual-band operation of a microstrip patch antenna on a Duroid 5870 substrate for Ku- and K-bands. *Scientific World Journal, The*, **2013**, 2013, 378420	2.2	23
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386	Polarization-dependent tunneled metamaterial structure with enhanced fields properties for X-band application. *Results in Physics*, **2019**, 15, 102530	3.7	21
385	Compact microstrip patch antenna proclaiming super wideband characteristics. *Microwave and Optical Technology Letters*, **2017**, 59, 2563-2570	1.2	21

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382	A Compact Ultrawideband Antenna Based on Hexagonal Split-Ring Resonator for pH Sensor Application. *Sensors*, **2018**, 18,	3.8	21
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380	A dual band left-handed metamaterial-enabled design for satellite applications. *Results in Physics*, **2020**, 16, 102942	3.7	20
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362	An Octagonal Ring-shaped Parasitic Resonator Based Compact Ultrawideband Antenna for Microwave Imaging Applications. *Sensors*, **2020**, 20,	3.8	16
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359	Tree-shaped fractal meta-surface with left-handed characteristics for absorption application. *Applied Physics A: Materials Science and Processing*, **2018**, 124, 1	2.6	15
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353	A Review on Femtocell and its Diverse Interference Mitigation Techniques in Heterogeneous Network. *Wireless Personal Communications*, **2014**, 78, 85-106	1.9	14
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338	U-joint Double split O (UDO) shaped with split square metasurface absorber for X and ku band application. *Results in Physics*, **2019**, 15, 102757	3.7	12
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284	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	3.5	8
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