

# Toufiq Md Hossain

## List of Publications by Year in descending order

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54  
papers

610  
citations

687363

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642732

23  
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docs citations

54  
times ranked

724  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Broadband Focusing Microwave Metasurfaces at Oblique Incidence. IEEE Transactions on Antennas and Propagation, 2022, 70, 2023-2032.	5.1	2
2	A Wideband Linear-to-Circular Polarizer based on Hexagonal FSS on PDMS Substrate for CubeSats. , 2021, , .		1
3	Bandwidth enhancement of five-port reflectometer-based ENG DSRM metamaterial for microwave imaging application. Sensors and Actuators A: Physical, 2020, 303, 111638.	4.1	13
4	Compact bidirectional circularly polarized dedicated short range communication antenna for on-board unit vehicle-to-everything applications. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22174.	1.2	2
5	Metamaterial Cell-Based Superstrate towards Bandwidth and Gain Enhancement of Quad-Band CPW-Fed Antenna for Wireless Applications. Sensors, 2020, 20, 457.	3.8	34
6	Compact Ultra-Wideband Monopole Antenna Loaded with Metamaterial. Sensors, 2020, 20, 796.	3.8	36
7	A Flexible Wearable Linear-to-Circular Polarizer for GNSS Application. , 2020, , .		0
8	Circuit Model for a Textile Linear-to-Circular Polarizer using Swastika-Shaped FSS. , 2019, , .		2
9	Broadband Single-Layered, Single-Sided Flexible Linear-to-Circular Polarizer Using Square Loop Array for S-Band Pico-Satellites. IEEE Access, 2019, 7, 149262-149272.	4.2	10
10	Wideband microstrip-based wearable antenna backed with full ground plane. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21739.	1.2	11
11	Compact Broadband Triple-Ring Five-Port Reflectometer for Microwave Brain Imaging Applications. IEEE Access, 2019, 7, 29597-29609.	4.2	4
12	Deployable Linear-to-Circular Polarizer Using PDMS Based on Unloaded and Loaded Circular FSS Arrays for Pico-Satellites. IEEE Access, 2019, 7, 2034-2041.	4.2	13
13	Modified H-shaped DNG metamaterial for multiband microwave application. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	27
14	A crossed dodecagonal deployable polarizer on textile and polydimethylsiloxane (PDMS) substrates. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	15
15	Multiband slot-loaded dipole antenna for WLAN and LTE-A applications. IET Microwaves, Antennas and Propagation, 2018, 12, 63-68.	1.4	23
16	Nanostructured materials with plasmonic nanobiosensors for early cancer detection: A past and future prospect. Biosensors and Bioelectronics, 2018, 100, 361-373.	10.1	54
17	Design of Low-Profile Patch Antenna Incorporated with Double Negative Metamaterial Structure. , 2018, , .		5
18	Beam-reconfigurable crescent array antenna with AMC plane. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21467.	1.2	4

#	ARTICLE	IF	CITATIONS
19	Gain enhanced circularly polarized antenna integrated with artificial magnetic conductor for S-band pico-satellites. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21462.	1.2	4
20	Dual-band circularly polarized textile antenna with split-ring slot for off-body 4G LTE and WLAN applications. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	13
21	Single layered swastika-shaped flexible linear-to-circular polarizer using textiles for S-band application. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21463.	1.2	10
22	Bandwidth enhancement using Polymeric Grid Array Antenna for millimeter-wave application. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	2
23	Hybrid graphene-copper UWB array sensor for brain tumor detection via scattering parameters in microwave detection system. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	6
24	High-gain dipole antenna using polydimethylsiloxane-glass microsphere (PDMS-GM) substrate for 5G applications. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	13
25	Compact multilayer wideband symmetric five-port reflectometer. Microwave and Optical Technology Letters, 2017, 59, 802-805.	1.4	5
26	Dual-band wearable fluidic antenna with metasurface embedded in a PDMS substrate. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	14
27	Isolation enhancement of compact dual-wideband MIMO antenna using flag-shaped stub. Microwave and Optical Technology Letters, 2017, 59, 1028-1032.	1.4	23
28	Bandwidth enhancement of a multilayered polymeric comb array antenna for millimeter-wave applications. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	1
29	Miniaturized dual-band antenna array with double-negative (DNG) metamaterial for wireless applications. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	11
30	Conformal dual-band textile antenna with metasurface for WBAN application. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	12
31	Bandwidth enhancement of an array antenna using slotted artificial magnetic conductors. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	5
32	Left-handed compact MIMO antenna array based on wire spiral resonator for 5-GHz wireless applications. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	4
33	A wideband textile antenna with a ring-slotted AMC plane. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	12
34	A simple wideband electromagnetically fed circular polarized antenna for energy harvesting. Microwave and Optical Technology Letters, 2017, 59, 2390-2397.	1.4	13
35	Dual-port 28 GHz pattern reconfigurable quadruple parasitic IFA design for MIMO 5G mobile terminal. , 2017, , .		1
36	A tunable inverted-L antenna (TILA) for LTE mobile terminals. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
37	A compact two-port tunable dual-band spiral antenna for MIMO terminals. , 2017, , .		3
38	Compact circularly polarized S-band antenna for pico-satellites. , 2017, , .		6
39	A Review of Antennas for Picosatellite Applications. International Journal of Antennas and Propagation, 2017, 2017, 1-17.	1.2	48
40	Impact of antenna types and locations on small multi-element antenna performance for low-band LTE mobile terminals. , 2016, , .		0
41	Dual port MIMO Half-Shaped Cubical Parasitic PIFA design for pattern and frequency reconfiguration applied in mobile terminals. , 2016, , .		5
42	Textile antenna integrated with compact AMC and parasitic elements for WLAN/WBAN applications. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	28
43	Compact super wideband patch antenna design using diversities of reactive loaded technique. Microwave and Optical Technology Letters, 2016, 58, 2811-2814.	1.4	12
44	High gain L-T slots-loaded dual-band elliptical polarized antenna. Microwave and Optical Technology Letters, 2016, 58, 184-188.	1.4	1
45	Wideband textile antenna with low back radiation for wearable applications. , 2016, , .		2
46	A C-slotted dual band textile antenna for WBAN applications. , 2016, , .		5
47	Assessment of PDMS Technology in a MIMO Antenna Array. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1939-1942.	4.0	45
48	Polymer (PDMS-Fe <sub>3</sub> O <sub>4</sub> ) magneto-dielectric substrate for a MIMO antenna array. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	11
49	Reconfigurable antennas for MIMO applications: An overview. , 2015, , .		2
50	Scattering parameter based loss characteristics of two monopole antennas for low-band LTE mobile terminals. , 2015, , .		1
51	Recent developments in multiple antenna mutual coupling compensation techniques for mobile terminals. , 2015, , .		0
52	Mimo circular polarization array antenna with dual coupled 90° phased shift for point-to-point application. Microwave and Optical Technology Letters, 2015, 57, 809-814.	1.4	18
53	Reduced size of slotted fractal Koch log-periodic antenna for 802.11af TVWS application. Microwave and Optical Technology Letters, 2015, 57, 2732-2737.	1.4	12
54	High performance of coaxial feed UWB antenna with parasitic element for microwave imaging. Microwave and Optical Technology Letters, 2015, 57, 649-653.	1.4	4