

# Dr Farman Ali Mangi

## List of Publications by Year in Descending Order

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**Version:** 2024-04-10

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

102 papers	2,056 citations	23 h-index	43 g-index
145 ext. papers	2,790 ext. citations	2.8 avg, IF	5.26 L-index

#	Paper	IF	Citations
102	Wide-Angle, Ultra-Wideband, Polarization-Independent Circuit Analog Absorbers. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2022</b> , 1-1	4.9	1
101	Synthesis of Modular Subarrayed Phased-Array with Shaped-Beams by Means of Sequential Convex Optimization. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2022</b> , 1-1	3.8	
100	Reconfigurable Voltage Controlled Single-Band and Multiband Bandstop Filters With High Selectivity and Wide Tuning Range. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2022</b> , 1-1	3.5	0
99	On the Design of Ultra-low Profile Broadband Absorber Based on Non-Foster Circuit. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 1-1	3.8	1
98	An Effective Hybrid Synthesis Strategy of Multi-Beam Subarray. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	
97	On the Design of Wideband Absorber Based on Multilayer and Multiresonant FSS Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 20, 284-288	3.8	14
96	Compact low-loss millimeter-wave shielded asymmetrical coplanar stripline to unilateral and antipodal finline transitions. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2021</b> , 31, e22712	1.5	0
95	Circularly polarized array antenna based on dual split ring resonators (DSRRs). <i>Frequenz</i> , <b>2021</b> , 75, 369-375	3.5	0
94	Study on an Accurate and Efficient Design Method of Resonant FSSs Based on the Macro-Model of Units in the Basic Strip-Gap FSS. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 2741-2750	4.9	2
93	Wideband Wide-Angle Scanning Phased Array Based on Miniaturized Metasurface Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	3
92	Synthesis of Planar Arrays Based on Fast Iterative Shrinkage-Thresholding Algorithm. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 6046-6051	4.9	
91	An Implantable Wideband Microstrip Patch Antenna Based on High-Loss Property of Human Tissue. <i>IEEE Access</i> , <b>2020</b> , 8, 93048-93057	3.5	6
90	On the Design of Ultrawideband Circuit Analog Absorber Based on Quasi-Single-Layer FSS. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 591-595	3.8	30
89	A Wideband Circularly Polarized Connected Parallel Slot Array in the Presence of a Backing Reflector. <i>IEEE Access</i> , <b>2020</b> , 8, 26517-26523	3.5	3
88	A Wide-Angle Scanning Leaky-Wave Antenna Based on a Composite Right/Left-Handed Transmission Line. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 1927	2.6	2
87	A Low-Profile Light-Weight Wideband Connected Parallel Slot Array for Wide-Angle Scanning. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 813-823	4.9	9
86	A Wideband Circularly Polarized Implantable Patch Antenna for ISM Band Biomedical Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2020</b> , 68, 2399-2404	4.9	21

85	A Ku-Band, Compact, Polarization-Reconfigurable, Multilayered, Wideband Antenna: A proposed design with high mechanical stability. <i>IEEE Antennas and Propagation Magazine</i> , <b>2020</b> , 62, 23-33	1.7	3
84	Circularly polarized scanning phased array antenna based on circular polarizer. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2020</b> , 34, 2514-2526	1.3	0
83	Synthesis of Nonuniformly Spaced Arrays With Frequency-Invariant Shaped Patterns by Sequential Convex Optimization. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 1093-1097	3.8	5
82	An ANN-Based Synthesis Method for Nonuniform Linear Arrays Including Mutual Coupling Effects. <i>IEEE Access</i> , <b>2020</b> , 8, 144015-144026	3.5	4
81	A Wideband Frequency-Selective Resonator Based on Interdigital Resonator and Fractal Shaped Slot <b>2019</b> ,		2
80	Synthesis of Sparse Arrays in Presence of Coupling Effects Based on ANN and IWO <b>2019</b> ,		5
79	Metafilm focusing incident plane waves for energy harvesting. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 043902	3.4	
78	Design of a LP, RHCP and LHCP Polarization-Reconfigurable Holographic Antenna. <i>IEEE Access</i> , <b>2019</b> , 7, 82776-82784	3.5	6
77	An Implantable Wideband Circularly Polarized Microstrip Patch Antenna via Two Pairs of Degenerate Modes. <i>IEEE Access</i> , <b>2019</b> , 7, 4239-4247	3.5	11
76	A Compact, Low-Profile Wire Antenna Applied to Wide-Angle Scanning Phased Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 1-1	3.8	17
75	Low profile SIW slot antenna with wide beam-width radiation pattern. <i>Electronics Letters</i> , <b>2018</b> , 54, 116-118		7
74	Dual-Band and Low-Profile Differentially Fed Slot Antenna for Wide-Angle Scanning Phased Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 259-262	3.8	12
73	Asymmetric Fission Transmission of Linear-to-Circular Polarization Converter Using Bi-layer Split Ring Structure. <i>Wireless Personal Communications</i> , <b>2018</b> , 99, 985-997	1.9	8
72	A Review of Wideband Wide-Angle Scanning 2-D Phased Array and Its Applications in Satellite Communication. <i>Journal of Communications and Information Networks</i> , <b>2018</b> , 3, 21-30		2
71	A monolithic stereolithography 3-D printed Ka-band spherical resonator bandpass filter <b>2018</b> ,		8
70	Agile Beamwidth Control and Directivity Enhancement for Aperture Radiation With Low-Profile Metasurfaces. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 1528-1533	4.9	3
69	A Wide-Angle Time-Domain Electronically Scanned Array Based on Energy-Pattern- Reconfigurable Elements. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 1598-1602	3.8	10
68	An Implantable Circularly Polarized Patch Antenna Design for Pacemaker Monitoring Based on Quality Factor Analysis. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2018</b> , 66, 5180-5192	4.9	28

67	A Compact Highly Efficient Hybrid Antenna Array for W-Band Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2018</b> , 17, 1547-1551	3.8	7
66	A wideband implantable antenna for 2.4 GHz ISM band biomedical application <b>2018</b> ,		8
65	Dual-band asymmetric circular polariser based on fission transmission of linearly polarised wave. <i>IET Microwaves, Antennas and Propagation</i> , <b>2018</b> , 12, 1414-1419	1.6	8
64	Efficient User Based Authentication Protocol for Location Based Services Discovery Over Road Networks. <i>Wireless Personal Communications</i> , <b>2017</b> , 95, 3713-3732	1.9	31
63	Intelligent travel information platform based on location base services to predict user travel behavior from user-generated GPS traces. <i>International Journal of Computers and Applications</i> , <b>2017</b> , 39, 155-168	0.8	23
62	A novel dual-band circularly polarized slot antenna with fractal slot geometry. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 451-456	1.2	2
61	Double-layer broadband circular polarizer based on fission transmission of linear polarization for ku-band applications. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 2680-2685	1.2	2
60	Scanning range increase of microstrip dipole phased array by parasitic strips. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 2501-2507	1.2	1
59	A Circularly Polarized Multimode Patch Antenna for the Generation of Multiple Orbital Angular Momentum Modes. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 521-524	3.8	61
58	Pattern reconfigurable patch antenna with differential feeding <b>2017</b> ,		3
57	Investigation into the electromagnetic impulses from long-pulse laser illuminating solid targets inside a laser facility. <i>Photonic Sensors</i> , <b>2016</b> , 6, 249-255	2.3	6
56	Surface Waveguides Supporting Both TM Mode and TE Mode With the Same Phase Velocity. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 3811-3819	4.9	26
55	A low profile linearly polarized patch antenna with wide beam-width in E-plane <b>2016</b> ,		2
54	Generation of multiple orbital angular momentum (OAM) Modes with a circularly polarized multimode patch antenna <b>2016</b> ,		3
53	Time-frequency representation measurement based on temporal Fourier transformation. <i>Optics Communications</i> , <b>2016</b> , 376, 86-91	2	4
52	An Integrated On-Chip Implantable Antenna in $0.18\mu\text{m}$ CMOS Technology for Biomedical Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2016</b> , 64, 1167-1172	4.9	15
51	Small-Size Dual-Antenna Implantable System for Biotelemetry Devices. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2016</b> , 15, 1723-1726	3.8	27
50	Multiband Circular Polarizer Based on Fission Transmission of Linearly Polarized Wave for X-Band Applications. <i>Journal of Electrical and Computer Engineering</i> , <b>2016</b> , 2016, 1-8	1.9	4

49	Dual-Resonant Implantable Circular Patch Antenna for Biotelemetry Communication. <i>International Journal of Antennas and Propagation</i> , <b>2016</b> , 2016, 1-5	1.2	1
48	Super-resolution characteristics based on time-reversed single-frequency electromagnetic wave. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2016</b> , 30, 1670-1680	1.3	4
47	Wideband hollow-cavity substrate integrated waveguide stacked patch antenna for millimeter-wave application. <i>Microwave and Optical Technology Letters</i> , <b>2016</b> , 58, 2429-2433	1.2	2
46	Varactor-Loaded Pattern Reconfigurable Array for Wide-Angle Scanning With Low Gain Fluctuation. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2015</b> , 63, 2364-2369	4.9	59
45	Edge-On Backscattering Enhancement Based on Quasi-Superdirective Reradiation. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 539-542	3.8	6
44	In Vivo Testing of Circularly Polarized Implantable Antennas in Rats. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 783-786	3.8	14
43	A compact and dual-band circularly polarized petal-shaped antenna with broad beamwidth for multiple global navigation satellite systems <b>2015</b> ,		3
42	Frequency-Agile, Efficient, Near-Field Resonant Parasitic Monopole Antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 1479-1483	4.9	20
41	Design of Compact, Low-Profile, Wideband, Dual-Frequency Patch Antennas Based on Complementary Co-Directional SRRs. <i>IEEE Antennas and Propagation Magazine</i> , <b>2014</b> , 56, 72-89	1.7	4
40	A High-Directivity, Wideband, Efficient, Electrically Small Antenna System. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 6541-6547	4.9	36
39	Circularly Polarized Helical Antenna for ISM-Band Ingestible Capsule Endoscope Systems. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 6027-6039	4.9	98
38	Compact, low-profile, HIS-based pattern-reconfigurable antenna for wide-angle scanning <b>2014</b> ,		5
37	Radar cross-section reduction design for a microstrip antenna. <i>Microwave and Optical Technology Letters</i> , <b>2014</b> , 56, 1200-1204	1.2	7
36	Compact wideband printed flower slot antenna. <i>Microwave and Optical Technology Letters</i> , <b>2014</b> , 56, 1465-1468	1.2	5
35	Frequency-Selective Resonator Based on Square-Loop and Cross-Dipole Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 5581-5589	4.9	186
34	Compact slotted semi-circular antenna for implantable medical devices. <i>Electronics Letters</i> , <b>2014</b> , 50, 1675-1677	1.1	20
33	A Hybrid IWO/PSO Algorithm for Pattern Synthesis of Conformal Phased Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 2328-2332	4.9	53
32	Design of Pattern Reconfigurable Antennas Based on a Two-Element Dipole Array Model. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 4867-4871	4.9	55

31	On the Design of Single-Layer Circuit Analog Absorber Using Double-Square-Loop Array. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2013</b> , 61, 6022-6029	4.9	251
30	A thin wideband circuit analog absorber using square-loop arrays <b>2013</b> ,		4
29	Design of a broadband negative planar material with low frequency dispersion. <i>Applied Physics A: Materials Science and Processing</i> , <b>2012</b> , 106, 821-828	2.6	4
28	Novel Flexible Dual-Frequency Broadside Radiating Rectangular Patch Antennas Based on Complementary Planar ENZ or MNZ Metamaterials. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 3958-3961	4.9	17
27	An Ultrathin and Broadband Radar Absorber Using Resistive FSS. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2012</b> , 11, 748-751	3.8	145
26	Design of Hybrid Patch/Slot Antenna Operating in Induced "M120 Mode" <i>IEEE Transactions on Antennas and Propagation</i> , <b>2012</b> , 60, 2157-2165	4.9	5
25	Researches on pattern reconfigurable antenna and its application in phased array <b>2011</b> ,		10
24	Radiation Pattern Computation of Pyramidal Conformal Antenna Array with Active-Element Pattern Technique. <i>IEEE Antennas and Propagation Magazine</i> , <b>2011</b> , 53, 28-37	1.7	7
23	Improved Performance of a Microstrip Phased Array Using Broadband and Ultra-Low-Loss Metamaterial Slabs. <i>IEEE Antennas and Propagation Magazine</i> , <b>2011</b> , 53, 31-41	1.7	33
22	Circularly Polarized Beam-Steering Antenna Array With Butler Matrix Network. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2011</b> , 10, 1278-1281	3.8	39
21	Wide-Angle Scanning Phased Array With Pattern Reconfigurable Elements. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 4071-4076	4.9	107
20	Compact UWB Antenna With Multiple Band-Notches for WiMAX and WLAN. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 1372-1376	4.9	105
19	Wideband antenna for ultra-wideband (UWB) body-centric wireless communications <b>2010</b> ,		2
18	Novel folded single split ring resonator and its application to eliminate scan blindness in infinite phased array <b>2010</b> ,		8
17	Size reduction of monopole antenna using complementary split loop resonator. <i>Microwave and Optical Technology Letters</i> , <b>2009</b> , 51, 930-932	1.2	1
16	Compact coplanar design for harmonic suppression in microstrip antenna. <i>Microwave and Optical Technology Letters</i> , <b>2009</b> , 51, 1326-1329	1.2	2
15	Ultrawideband bandpass filter with a controllable notched band. <i>Microwave and Optical Technology Letters</i> , <b>2009</b> , 51, 1745-1748	1.2	2
14	Appling Weighted Thinned Linear Array and Pattern Reconfigurable Elements to Extend Pattern Scanning Range of Millimeter Wave Microstrip Phased Array. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2009</b> , 31, 1	2.2	

13	Frequency and pattern reconfigurable Yagi patch antenna. <i>Microwave and Optical Technology Letters</i> , <b>2008</b> , 50, 716-719	1.2	7
12	Compact microstrip bandpass filter using two-layer aperture-coupled resonator-embedded structure. <i>Microwave and Optical Technology Letters</i> , <b>2008</b> , 50, 2357-2360	1.2	0
11	Yagi Patch Antenna With Dual-Band and Pattern Reconfigurable Characteristics. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2007</b> , 6, 168-171	3.8	108
10	Tri-section stepped-impedance bandpass filter with wide stopband performance. <i>Microwave and Optical Technology Letters</i> , <b>2007</b> , 49, 870-872	1.2	
9	A wideband microstrip bandpass filter for ultra-wideband wireless communication application. <i>Microwave and Optical Technology Letters</i> , <b>2007</b> , 49, 1975-1976	1.2	5
8	A Compact Slow-Wave Microstrip Branch-Line Coupler With High Performance. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2007</b> , 17, 501-503	2.6	75
7	Bandwidth-enhancing ultralow-profile compact patch antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2005</b> , 53, 3443-3447	4.9	46
6	Millimeter Wave Gunn Diode Oscillator Design Based on FDTD Method*. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , <b>2005</b> , 26, 1417-1425		1
5	The U-Band Pattern Steerable Active Patch Antenna. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , <b>2005</b> , 26, 1445-1452		
4	1D photonic band gap structures (PBG) for filter applications <b>2004</b> ,		1
3	Wideband mobile antenna design based on artificial neural network models. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2003</b> , 13, 316-320	1.5	3
2	A novel frequency-reconfigurable patch antenna. <i>Microwave and Optical Technology Letters</i> , <b>2003</b> , 36, 295-297	1.2	30
1	Current Detection and Energy Harvesting Integrated Magnetoelectric Sensor with Flexibility and Heat Resistance Based on Polylactide/VB 2 Composites and FeCoV. <i>Advanced Materials Interfaces</i> , <b>2020</b> , 46		46