

# Esmat Abdel Fattah Abdallah

## List of Publications by Year in descending order

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69  
papers

542  
citations

858243

12  
h-index

939365

18  
g-index

69  
all docs

69  
docs citations

69  
times ranked

542  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decoupling of closely stacked patch antennas for airborne radio altimeter applications. AEU - International Journal of Electronics and Communications, 2021, 128, 153506.	1.7	4
2	Link Budget Analysis for FMCW Radio Altimeter. , 2021, , .		1
3	An Improved S-Band CubeSat Communication Subsystem Design and Implementation. IEEE Access, 2021, 9, 45123-45136.	2.6	12
4	Silver Sandwiched ITO Based Transparent Antenna Array for RF Energy Harvesting in 5G Mid-Range of Frequencies. IEEE Access, 2021, 9, 49476-49486.	2.6	18
5	Smart Home IoT System by Using RF Energy Harvesting. Journal of Sensors, 2020, 2020, 1-14.	0.6	15
6	Wideband sequential feeding network for Ku-band dual circularly polarized 4x4 antenna array. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22283.	0.8	8
7	Metasurface-Based Dual Polarized MIMO Antenna for 5G Smartphones Using CMA. IEEE Access, 2020, 8, 37250-37264.	2.6	37
8	MOM/GA-Based Virtual Array for Radar Systems. Sensors, 2020, 20, 713.	2.1	8
9	RF Energy Harvesting IoT System for Museum Ambience Control with Deep Learning. Sensors, 2019, 19, 4465.	2.1	20
10	Detection of Underground Water by Using GPR. , 2019, , .		0
11	Compact Broadband Rectenna for Harvesting RF Energy in WLAN and WiMAX Applications. , 2019, , .		15
12	RF Energy Harvesting Using Transparent Antenna for IoT Application. , 2019, , .		5
13	Compact ultra-wideband Vivaldi antenna for ground-penetrating radar detection applications. Microwave and Optical Technology Letters, 2019, 61, 1268-1277.	0.9	16
14	2x2 Circularly Polarized Antenna Array with Equal Phases for RF Energy Harvesting in IoT System. , 2019, , .		2
15	CPW DC Pass Filters for RF Energy Harvesting. , 2019, , .		0
16	ELECTRONICALLY SWITCHABLE ULTRA-WIDE BAND /DUAL-BAND BANDPASS FILTER USING DEFECTED GROUND STRUCTURES. Progress in Electromagnetics Research C, 2019, 91, 83-96.	0.6	2
17	4x4 Circularly Polarized Antenna Array for Ambient RF Energy Harvesting. , 2019, , .		3
18	Ultra-wide-bandwidth (UWB) microstrip monopole antenna using split ring resonator (SRR) structure. International Journal of Microwave and Wireless Technologies, 2018, 10, 123-132.	1.5	7

#	ARTICLE	IF	CITATIONS
19	RF Energy Harvesting Using Efficiency Dual Band Rectifier. , 2018, , .		12
20	Tri-Band Antenna for Energizing IoT Low Power Devices. , 2018, , .		2
21	DESIGN AND ANALYSIS OF A NOVEL LOW LOSS ULTRA-WIDEBAND COPLANAR WAVEGUIDE (CPW) TO COPLANAR STRIPS (CPS) TRANSITION FOR TAPERED SLOT ANTENNAS (TSA) IN GROUND PENETRATING RADAR (GPR) APPLICATION. Progress in Electromagnetics Research C, 2018, 83, 179-194.	0.6	2
22	Multi-Bands Dual Linearly Polarized &times;2 Antenna Array for Powering Sensors in IoT System. , 2018, , .		4
23	CPW-Fed Multiband Antenna for Various Wireless Communications Applications. , 2018, , .		3
24	2 <sup>Ã—</sup> 2 Circularly Polarized Antenna Array for RF Energy Harvesting in IoT System. , 2018, , .		6
25	MODIFIED CMRC LPF USING NOVEL FRACTAL PATCHES. Progress in Electromagnetics Research Letters, 2018, 79, 25-31.	0.4	1
26	A NOVEL HIGH DIRECTIVE WILLIS-SINHA TAPERED SLOT ANTENNA FOR GPR APPLICATION IN DETECTING LANDMINE. Progress in Electromagnetics Research C, 2018, 80, 181-198.	0.6	1
27	Multi-bandwidth CPW-fed open end square loop monopole antenna for energy harvesting. , 2018, , .		6
28	Ultrawideband circularly polarized monopole antenna for millimeter-wave applications. Microwave and Optical Technology Letters, 2017, 59, 189-194.	0.9	4
29	Effects of human head on frequency reconfigurable PIFA antenna performance and SAR calculations. , 2015, , .		2
30	Design of planar inverted-F antenna over uniplanar EBG structure for laptop mimo applications. Microwave and Optical Technology Letters, 2015, 57, 277-285.	0.9	11
31	Low SAR reconfigurable multiband planar inverted-F antenna for wireless communication applications. International Journal of Microwave and Wireless Technologies, 2015, 7, 185-194.	1.5	0
32	Ultra wide band planar printed quasi-Yagi antenna with size reduction for water detection in the Egyptian desert. Microwave and Optical Technology Letters, 2015, 57, 226-233.	0.9	7
33	Multiband Printed Metamaterial Inverted-F Antenna (IFA) for USB Applications. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 297-300.	2.4	22
34	Ultrawideband Vivaldi Antenna for DVB-T, WLAN, and WiMAX Applications. International Journal of Antennas and Propagation, 2014, 2014, 1-7.	0.7	16
35	Compact printed log-periodic dipole antenna for water detection by using ground penetrating radar. Microwave and Optical Technology Letters, 2014, 56, 1225-1232.	0.9	4
36	Quad ridged UWB TEM horn antenna for GPR applications. , 2014, , .		7

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37	Slot antenna for mobile base station using AMC. International Journal of Microwave and Wireless Technologies, 2014, 6, 527-535.	1.5	1
38	PIFA frequency reconfigurable antenna. , 2014, , .		7
39	Compact printed log-periodic dipole antenna for terrestrial digital video broadcast application. Microwave and Optical Technology Letters, 2014, 56, 1002-1007.	0.9	11
40	Reconfigurable independent multiband CPW-fed printed IFA antenna for USB applications. Microwave and Optical Technology Letters, 2014, 56, 2237-2245.	0.9	4
41	Low specific absorption rate hexa-band coplanar waveguide-fed planar inverted-F antenna with independent resonant frequency control for wireless communication applications. IET Microwaves, Antennas and Propagation, 2014, 8, 207-216.	0.7	17
42	Compact shape of vivaldi antenna for water detection using ground penetrating radar. Microwave and Optical Technology Letters, 2014, 56, 1801-1809.	0.9	10
43	Frequency reconfigurable microstrip monopole disc antenna. , 2013, , .		3
44	Low Sar Multiband CPW-Fed Pifa with Independent Resonant Frequency Control for Wireless Communication Applications. Microwave and Optical Technology Letters, 2013, 55, 1802-1810.	0.9	0
45	Compact multiband printed-IFA on electromagnetic band-gap structures for wireless applications. International Journal of Microwave and Wireless Technologies, 2013, 5, 551-559.	1.5	1
46	Compact multiband printed-IFA on electromagnetic band-gap structures ground plane. Microwave and Optical Technology Letters, 2013, 55, 1670-1676.	0.9	5
47	Low SAR planar monopole antenna for wireless communication applications. International Journal of Microwave and Wireless Technologies, 2013, 5, 621-627.	1.5	1
48	Compact Multiband Printed IFA on Electromagnetic Band-Gap Structures Ground Plane for Wireless Applications. International Journal of Microwave Science and Technology, 2013, 2013, 1-9.	0.6	7
49	Microstrip Antennas: Future Trends and New Applications. International Journal of Antennas and Propagation, 2013, 2013, 1-1.	0.7	4
50	Multi-band PIFA loaded with folded slot antenna. , 2012, , .		3
51	Novel shape of Vivaldi antenna for water detection using GPR. , 2012, , .		7
52	Multiband printed-IFA on electromagnetic band-gap ground plane. , 2012, , .		0
53	Mutual coupling reduction using defected ground structure (DGS) for array applications. , 2012, , .		34
54	Compact Multiband Multifolded-Slot Antenna Loaded With Printed-IFA. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1478-1481.	2.4	17

#	ARTICLE	IF	CITATIONS
55	Ultrawide Bandwidth 2×2 Microstrip Patch Array Antenna Using Electromagnetic Band-Gap Structure (EBG). IEEE Transactions on Antennas and Propagation, 2011, 59, 1528-1534.	3.1	57
56	Reconfigurable microstrip monopole patch antenna with electromagnetic band-gap structure design for ultrawideband wireless communication systems. Microwave and Optical Technology Letters, 2011, 53, 2466-2471.	0.9	3
57	Ultra-wideband coplanar boat microstrip patch with modified ground plane by using electromagnetic band-gap structure for wireless communication. Microwave and Optical Technology Letters, 2010, 52, 1159-1164.	0.9	2
58	Low mutual coupling 2 × 2 microstrip patch array antenna by using novel shapes of defect ground structure. Microwave and Optical Technology Letters, 2010, 52, 1208-1215.	0.9	6
59	Enhancement of ultra-wideband microstrip monopole antenna by using unequal arms V-shaped slot printed on metamaterial surface. Microwave and Optical Technology Letters, 2010, 52, 2203-2209.	0.9	1
60	Design of seven-pole LPF with high suppression of harmonics using DGS. Microwave and Optical Technology Letters, 2009, 51, 760-763.	0.9	2
61	Dual-band N-shaped patch antenna loaded by lumped elements. Microwave and Optical Technology Letters, 2009, 51, 2534-2537.	0.9	6
62	Design of a periodically nonuniform coupled microstrip lines (PNCML) filter using the novel method of lines. Microwave and Optical Technology Letters, 2009, 51, 2865-2870.	0.9	0
63	Enhancement of ultra-wide bandwidth of microstrip monopole antenna by using metamaterial structures. , 2009, , .		9
64	Electromagnetic analyses and an equivalent circuit model of microstrip patch antenna with rectangular defected ground plane. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	7
65	Multiband and miniaturized inset feed microstrip patch antenna using multiple spiral-shaped defect ground structure (DGS). Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	28
66	Novel compact circular N-shaped patch antenna for 5.2 GHz wireless communications. , 2008, , .		4
67	Investigations on Novel Configurations of Triangular Fractal Microstrip Patch Antenna. , 2006, , .		1
68	Microwave holographic 3-D rendering system using a reduced-size planar array antenna. Microwave and Optical Technology Letters, 2001, 29, 397-402.	0.9	1
69	Passive Components for Ultra-Wide Band (UWB) Applications. , 0, , .		0