

# Amr M E Safwat

## List of Publications by Year in descending order

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92  
papers

842  
citations

516710

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h-index

580821

25  
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all docs

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docs citations

92  
times ranked

576  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable Bandstop Defected Ground Structure Resonator Using Reconfigurable Dumbbell-Shaped Coplanar Waveguide. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 3559-3564.	4.6	83
2	Triple-Band Microstrip-Fed Monopole Antenna Loaded With CRLH Unit Cell. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1547-1550.	4.0	48
3	Microstrip-Fed Monopole Antennas Loaded With CRLH Unit Cells. IEEE Transactions on Antennas and Propagation, 2012, 60, 4027-4036.	5.1	44
4	Novel transition between different configurations of planar transmission lines. IEEE Microwave and Wireless Components Letters, 2002, 12, 128-130.	3.2	39
5	Sensitivity Analysis of Calibration Standards for SOLT and LRRM. , 2001, , .		31
6	Controlled capacitance and inductance behaviour of L-shaped defected ground structure for coplanar waveguide. IET Microwaves Antennas and Propagation, 2005, 152, 299.	1.2	31
7	On the Applications of the Coupled-Line Composite Right/Left-Handed Unit Cell. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1584-1591.	4.6	30
8	Tightly Coupled Directional Coupler Using Slotted-Microstrip Line. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 4462-4470.	4.6	30
9	Microstrip Coupled Line Composite Right/Left-Handed Unit Cell. IEEE Microwave and Wireless Components Letters, 2009, 19, 434-436.	3.2	29
10	Resonant-Type Antennas Loaded With CRLH Unit Cell. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 23-26.	4.0	24
11	Compact rat-race hybrid coupler using meander space-filling curves. Microwave and Optical Technology Letters, 2006, 48, 606-609.	1.4	22
12	High-Impedance Wire. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 631-634.	4.0	22
13	Multi-Bandpass Filters Using Multi-Armed Open Loop Resonators with Direct Feed. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	21
14	Multimode Coplanar Waveguide Cross-Junction: Equivalent Circuit Model and Air-Bridge Free Applications. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3753-3760.	4.6	20
15	Slow-Wave Quad-Band Printed Inverted-F Antenna (IFA). IEEE Transactions on Antennas and Propagation, 2014, 62, 4396-4401.	5.1	18
16	Design and Performance Analysis of a Miniature, Dual-Frequency, Millimeter Wave Linear Phased Array Antenna. IEEE Transactions on Antennas and Propagation, 2017, 65, 7029-7037.	5.1	17
17	Wideband Modeling of SRR-Loaded Coplanar Waveguide. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 851-860.	4.6	17
18	Defected ground and patch-loaded planar transmission lines. IET Microwaves, Antennas and Propagation, 2009, 3, 195.	1.4	16

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19	A prismatic daylight redirecting fenestration system for southern skies. <i>Renewable Energy</i> , 2017, 109, 202-212.	8.9	14
20	On the improvement of the performance of the optically controlled microwave switch. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1997, 45, 1358-1361.	4.6	13
21	A MEMS Reconfigurable DGS Resonator for K-Band Applications. <i>Journal of Microelectromechanical Systems</i> , 2006, 15, 756-762.	2.5	13
22	Dual and Wide-Band Inductively-Loaded Dipole-Based Antennas for WLAN/UMTS Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2013, 61, 1430-1435.	5.1	13
23	Dual-mode microstrip bandpass filter using ring of arrows resonator. <i>Electronics Letters</i> , 2005, 41, 1335.	1.0	12
24	Dual bandstop resonator using combined split ring resonator and defected ground structure. <i>Microwave and Optical Technology Letters</i> , 2007, 49, 1249-1253.	1.4	10
25	High impedance wire composite right/left-handed transmission lines. <i>Microwave and Optical Technology Letters</i> , 2010, 52, 1390-1393.	1.4	9
26	COUPLED LINES FROM FILTER TO COMPOSITE RIGHT/LEFT HANDED-CELLS. <i>Progress in Electromagnetics Research B</i> , 2010, 26, 451-469.	1.0	9
27	Meander line-loaded planar monopole antennas. <i>Microwave and Optical Technology Letters</i> , 2012, 54, 1851-1854.	1.4	9
28	L-Shaped Defected Ground Structure for Coplanar Waveguide. , 0, , .		8
29	Defected-ground coupled microstrip lines and its application in wideband baluns. <i>IET Microwaves, Antennas and Propagation</i> , 2007, 1, 893.	1.4	8
30	Uniplanar bridgeless CPW-to-slotline transition and its application to CPW balun. <i>Electronics Letters</i> , 2012, 48, 443.	1.0	8
31	Metamaterial-Inspired Pentaband Monopole Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2013, 12, 1684-1687.	4.0	8
32	60 GHz Artificial Magnetic Conductor loaded dipole antenna in 65 nm CMOS technology. , 2014, , .		8
33	Illumination of dense urban areas by light redirecting panels. <i>Optics Express</i> , 2014, 22, A895.	3.4	8
34	Geometrical Modeling of Strip-Loaded CPW and Its Application to All CPW Air-Bridge Free Wilkinson Power Dividers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019, 67, 3370-3376.	4.6	8
35	Analysis and Design Guidelines for Wideband CRLH SRR-loaded Coplanar Waveguide. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020, 68, 2562-2570.	4.6	8
36	Mode-Matching Analysis of Conductor Backed Coplanar Waveguide With Surface Etching. <i>Journal of Electromagnetic Waves and Applications</i> , 2001, 15, 627-641.	1.6	7

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37	A probe technology for 110+ grz integrated circuits with aluminum pads. , 0, , .		7
38	Combined Low-Pass and Bandpass Filter Response Using Microstrip Dual-Mode Resonators. , 2006, , .		6
39	Narrow bandpass filter based on the modified DGS. , 2007, , .		6
40	A novel Wilkinson power divider based on slotted microstrip cross " Junction. , 2017, , .		6
41	AMC loaded folded dipole with heart-shaped radiation pattern. Electronics Letters, 2018, 54, 1061-1062.	1.0	6
42	Wideband High-CMRR Fully Differential Couplers Using Multimode Star-Junction. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3015-3022.	4.6	6
43	Study of microstrip mode in RF on-wafer probes. Microwave and Optical Technology Letters, 2005, 45, 324-328.	1.4	5
44	Coplanar Waveguide Filters Based on Multibehavior Etched-Ground Stubs. IEEE Transactions on Components and Packaging Technologies, 2009, 32, 816-824.	1.3	5
45	Left-Handed Behavior of Coplanar Waveguide Open-Circuited Shunt Stub. IEEE Microwave and Wireless Components Letters, 2012, 22, 306-308.	3.2	5
46	Multi-band CPW- fed printed IFA. , 2012, , .		5
47	N-Internal Port Design for Wide Band Electrically Small Antennas With Application for UHF Band. IEEE Transactions on Antennas and Propagation, 2013, 61, 4431-4437.	5.1	5
48	All planar compact size microstrip CRLH arbitrary coupling directional coupler. Microwave and Optical Technology Letters, 2013, 55, 115-119.	1.4	5
49	Air-bridge free coplanar waveguide power divider. , 2015, , .		5
50	Quasi-static analysis of an optically illuminated directional coupler. IEEE Transactions on Microwave Theory and Techniques, 1997, 45, 1351-1357.	4.6	4
51	Improvement of performance of optically controlled microstrip phase shifters. IET Microwaves, Antennas and Propagation, 2007, 1, 427.	1.4	4
52	Novel even/odd mode-based CRLH unit cells. , 2012, , .		4
53	Via-free microstrip to slotline baluns using slotted microstrip cross-junction. , 2017, , .		4
54	Compact 3D USB dongle monopole antenna for mobile wireless communication bands. International Journal of Microwave and Wireless Technologies, 2014, 6, 639-644.	1.9	3

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55	Miniaturized Couplers Using Multi-mode Star-junction. , 2020, , .		3
56	Design equations for the on-state capacitance of the RF MEMS shunt switch. , 2004, , .		2
57	Defected-ground coupled microstrip lines bandpass filter with suppressed spurious resonances. Microwave and Optical Technology Letters, 2007, 49, 2038-2039.	1.4	2
58	Gunn oscillator modeling and second harmonic output power optimization at 76 GHz. , 2008, , .		2
59	The effect of Gaussian beam spot size on the performance of an SPR IR optical CO. , 2010, , .		2
60	Dual mode composite right-left-handed unit cells. Applied Physics A: Materials Science and Processing, 2011, 103, 537-540.	2.3	2
61	Dual-band inductively-loaded miniaturized antenna. , 2012, , .		2
62	STUB BASED EQUIVALENT CIRCUIT MODELS FOR EVEN/ODD MODE DUAL CRLH UNIT CELLS. Progress in Electromagnetics Research M, 2013, 30, 195-209.	0.9	2
63	Stacked resonator patch antenna for wide bandwidth THz detection. , 2014, , .		2
64	An optically transparent wideband High Impedance Surface. , 2016, , .		2
65	Single/dual-band CSRR-loaded differential-fed square patch antenna with monopolar radiation pattern. , 2016, , .		2
66	Compact Size Wideband 0-dB Microstrip Forward Coupler. , 2021, , .		2
67	Single-Ended-to-Balanced Rat-Race Coupler With Wideband Common-Mode Suppression. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2036-2040.	3.0	2
68	1.55- $\mu$ m surface-illuminated monolithically integrated balanced metal semiconductor metal photodetectors and coplanar waveguide. Microwave and Optical Technology Letters, 2002, 34, 125-130.	1.4	1
69	Patch Antenna on a High Impedance Wire. , 2008, , .		1
70	THEORY AND APPLICATIONS OF HIGH IMPEDANCE WIRES. Progress in Electromagnetics Research C, 2010, 17, 67-78.	0.9	1
71	Ultra-broad and multiband 3D-monopole antennas. Microwave and Optical Technology Letters, 2011, 53, 2843-2846.	1.4	1
72	Light redirecting system using sine-wave based panels for dense urban areas. Proceedings of SPIE, 2014, , .	0.8	1

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73	A Glimpse of Microwave Education and Research Activities in Egypt [Around the Globe]. IEEE Microwave Magazine, 2018, 19, 120-124.	0.8	1
74	Strip-Loaded Coplanar Waveguide Bandpass Filter with Wideband Spur-Free Response. , 2019, , .		1
75	Miniaturized Couplers with Combined Microstrip and Slotline Ports. , 2021, , .		1
76	Wideband Compact-Size 3-dB Backward Directional Coupler Using Slotted-Microstrip Based Unit-Cells. , 2022, , .		1
77	Investigation of the optical spot position on the performance of metal-semiconductor-metal structures: novel application. Solid-State Electronics, 2000, 44, 2077-2080.	1.4	0
78	1.55 $\mu$ m surface excited monolithically integrated balanced metal-semiconductor-metal photodetectors and coplanar waveguide. , 0, , .		0
79	On the improvement of planar multisection balun. , 2004, , .		0
80	2D Coupled Electrostatic-Mechanical Model for Shunt-Capacitive MEMS Switch Based on Matlab Program. , 0, , .		0
81	Compact size coupled line CRLH unit cell. , 2010, , .		0
82	University research on composite right/left handed guided wave structures in Egypt. , 2011, , .		0
83	Letter-shaped microstrip ground slots. International Journal of Microwave and Wireless Technologies, 2012, 4, 523-528.	1.9	0
84	Simple CAD model for direct coupled double split ring resonators. Electronics Letters, 2012, 48, 580.	1.0	0
85	Composite right/left-handed coplanar waveguide feeding array of slot antennas. Microwave and Optical Technology Letters, 2012, 54, 103-107.	1.4	0
86	Dual-band low-profile stripline-fed Z antenna. Microwave and Optical Technology Letters, 2013, 55, 286-290.	1.4	0
87	University research on antenna design and scattering problems in Egypt. , 2014, , .		0
88	University research on antenna design and scattering problems in Egypt. , 2014, , .		0
89	Reconfigurable pattern beam steering loop antenna. , 2016, , .		0
90	Multi-band CRLH unit cell-loaded patch antenna. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	0

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91	High-efficiency AMC loaded dipole above FR4 substrate. International Journal of Microwave and Wireless Technologies, 2019, 11, 401-407.	1.9	0
92	Differential CRLH Coupled-line Unit Cell with High Common Mode Rejection Ratio. , 2021, , .		0