

Ali Gharsallah

List of Publications by Year in descending order

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71
papers

637
citations

840776

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h-index

677142

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all docs

71
docs citations

71
times ranked

561
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on the chipless RFID tag with a UWB pulse using a UWB IR-based reader. International Journal of Microwave and Wireless Technologies, 2022, 14, 166-175.	1.9	7
2	Analysis of the Electromagnetic Absorption in a New Design of PIFA Antenna Using Metamaterials. Wireless Personal Communications, 2022, 124, 1337-1354.	2.7	4
3	Slotted Cubic design for 2.4 GHZ Antenna. , 2022, , .		1
4	Metamaterial Vivaldi Antenna Array for Breast Cancer Detection. Sensors, 2022, 22, 3945.	3.8	10
5	Watchstrap integrated wideband circularly polarized antenna design for smartwatch applications. IET Microwaves, Antennas and Propagation, 2022, 16, 587-601.	1.4	6
6	Frequency-Spectra-Based High Coding Capacity Chipless RFID Using an UWB-IR Approach. Sensors, 2021, 21, 2525.	3.8	6
7	Backscatter analysis in UWB chipless RFID based on UWB-IR. , 2021, , .		4
8	New Design of Multi-Band PIFA Antenna with Reduced SAR for Mobile and Wireless Applications. Wireless Personal Communications, 2020, 115, 1211-1226.	2.7	13
9	The Effect of Antenna Network Configurations on the Radiation Patterns. , 2019, , .		0
10	Triple Band Tunable SIW Cavity Antenna with Cristal Liquid Materials for Wireless Applications. , 2019, , .		5
11	Design of transparent and flexible antenna for smart contact lenses. , 2019, , .		1
12	Tunable Liquid Crystal MTM SIW LWA for continuous scanning at fixed frequency. , 2019, , .		1
13	Linear ESPRIT-Like Algorithms for Fast Directions of Arrival Estimation with Real Structure. , 2019, , .		3
14	Varactor-loaded SIW cavity backed antennas for modern wireless communication systems. , 2019, , .		0
15	Analysis and Design of a New PIFA Antenna for the Wireless Communications Applications. , 2019, , .		5
16	Breast cancer detection based on CPW antenna. , 2019, , .		8
17	Modelling, design and fabrication of a novel reconfigurable ultra-wideband impedance matching based on RF MEMS technology. IET Circuits, Devices and Systems, 2019, 13, 1299-1304.	1.4	3
18	Design of a compact size tag antenna based on split ring resonator for UHF RFID application. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21607.	1.2	8

#	ARTICLE	IF	CITATIONS
19	Modeling, design, and simulation of a radio frequency microelectromechanical system capacitive shunt switch. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2018, 31, e2266.	1.9	6
20	Comparative Study of a Novel E-patch Antenna Loaded with Slot Split-Ring Resonators on Different Distance of Superstrate. , 2018, , .		0
21	Design and Miniaturization of UHF RFID Reader Antenna. , 2018, , .		5
22	Linear Propagator Algorithm for Directions of Arrival Estimation in the Presence of Mutual Coupling. , 2018, , .		0
23	Study and Design of Reconfigurable Wireless and Radio- Frequency Components Based on RF MEMS for Low-Power Applications. , 2018, , .		4
24	Design of SIW Frequency Agile Antenna Based on a Varactor Loaded on U-Slot. , 2018, , .		1
25	Development of SIW LWA from Non-Uniform CRLH Unit Cells with SLL Reduction. , 2018, , .		2
26	UWB Antipodal Vivaldi antenna with higher radiation performances using metamaterials. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	12
27	Tunable slot antenna backed by substrate integrated waveguide cavity. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21591.	1.2	10
28	Electromagnetic study of the breast for biomedical applications. , 2018, , .		2
29	Graphene-based reconfigurable transmission filter near the wavelength of 1.55×10^{-4} m. Optical Materials, 2017, 66, 201-206.	3.6	10
30	Reconfigurable frequency selective surface for beam switching applications. IET Microwaves, Antennas and Propagation, 2017, 11, 69-74.	1.4	14
31	Immunity test of RF MEMS of non uniform test radiation techniques. , 2017, , .		0
32	Pattern Reconfigurable Antenna Design for for 5G mobile communication systems. , 2017, , .		5
33	TERAHERTZ GRAPHENE-BASED RECONFIGURABLE PATCH ANTENNA. Progress in Electromagnetics Research Letters, 2017, 71, 69-76.	0.7	26
34	Reconfigurable vivaldi antenna with improved gain for <sc>UWB</sc> applications. Microwave and Optical Technology Letters, 2016, 58, 490-494.	1.4	13
35	A novel H-shaped cavity based RFID chipless tag. , 2016, , .		6
36	Statistical study on the effect of the use of mobile phone technology on human body health. , 2016, , .		5

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37	Graphene-GaAs-graphene stacked layers for the improvement of the transmission at the wavelength of 1.55Å¼m. Optical Materials, 2016, 57, 120-124.	3.6	11
38	A Novel Electromagnetic Signature Based on RF Identification of Numbers. International Journal on Communications Antenna and Propagation, 2016, 6, 400.	0.3	2
39	Design and performance analysis of complex Planar Triangular Monopole Textile Antenna in vicinity of human body for wearable applications. , 2015, , .		1
40	Efficient rectifier design on jute material for Wireless Power Transmission. , 2015, , .		0
41	Space-time estimation algorithms for wideband signals. , 2015, , .		1
42	An efficient hexagonal switched beam antenna structure based on Fabry-Perot cavity leaky-wave antenna. International Journal of Electronics, 2015, 102, 1789-1803.	1.4	6
43	Metamaterials microstrip patch antenna for wireless communication RFID technology. Microwave and Optical Technology Letters, 2015, 57, 1060-1066.	1.4	11
44	The application of high-resolution methods for DOA estimation using a linear antenna array. International Journal of Microwave and Wireless Technologies, 2015, 7, 87-94.	1.9	10
45	Reconfigurable dual-band 3D Frequency Selective Surface unit-cell. , 2015, , .		7
46	Design of a 4×4 butler matrix for beamforming antenna applications. , 2014, , .		8
47	Design of high efficient double diode rectifier for wireless power transmission. , 2014, , .		0
48	Chipless RFID for space applications. , 2014, , .		16
49	Improved microstrip dipole antenna by using metamaterials for RFID technology. , 2014, , .		0
50	A novel meander complementary split ring resonator-based RFID chipless tag. , 2014, , .		3
51	Innovative technique for substrate integrated waveguide implementation on paper substrate. , 2014, , .		3
52	Compact bowtie dielectric resonator antenna for broadband applications. , 2014, , .		2
53	Nested metamaterials antenna for RFID traceability. Microwave and Optical Technology Letters, 2014, 56, 1622-1626.	1.4	11
54	Bandwidth enhancement of microstrip antenna with circular slot for Ku-band satellite applications. , 2014, , .		1

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55	Metamaterials dipole antenna by using split ring resonators for RFID technology. Microwave and Optical Technology Letters, 2014, 56, 2899-2903.	1.4	15
56	RF Performance of SOI CMOS Technology on Commercial 200-mm Enhanced Signal Integrity High Resistivity SOI Substrate. IEEE Transactions on Electron Devices, 2014, 61, 722-728.	3.0	49
57	A fractal circular polarized RFID tag antenna. Open Engineering, 2013, 3, .	1.6	0
58	Directions of arrival estimation with planar antenna arrays in the presence of mutual coupling. International Journal of Electronics, 2013, 100, 818-836.	1.4	8
59	Improved reactance domain unitary propagator algorithms for electronically steerable parasitic array radiator antennas. IET Microwaves, Antennas and Propagation, 2013, 7, 15-23.	1.4	7
60	Photo-Induced Coplanar Waveguide RF Switch and Optical Crosstalk on High-Resistivity Silicon Trap-Rich Passivated Substrate. IEEE Transactions on Electron Devices, 2013, 60, 3478-3484.	3.0	6
61	Proximity coupled microstrip patch antenna design with reduced out of band harmonics device at 2.45 GHz. , 2011, , .		0
62	A Dual Circularly Polarized 2.45-GHz Rectenna for Wireless Power Transmission. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 306-309.	4.0	152
63	Ultrawide Frequency Range Crosstalk Into Standard and Trap-Rich High Resistivity Silicon Substrates. IEEE Transactions on Electron Devices, 2011, 58, 4258-4264.	3.0	33
64	A five-port reflectometer for communication receiver applications. , 2011, , .		3
65	Efficient polysilicon passivation layer for crosstalk reduction in high-resistivity SOI substrates. , 2010, , .		2
66	Analysis of Novel Dual-Resonant and Dual-Polarized Frequency Selective Surface using Periodic contribution of Wave Concept Iterative Process: PPMS-WCIP. , 2008, , .		2
67	A new estimation of direction of arrival algorithm with a special antenna shape. Smart Materials and Structures, 2007, 16, 2595-2599.	3.5	7
68	DIRECTION OF ARRIVAL ESTIMATION METHOD USING A 2-L SHAPE ARRAYS ANTENNA. Progress in Electromagnetics Research, 2007, 69, 145-160.	4.4	27
69	Analysis of multilayer substrates by multilayer contribution of wave concept iterative process. Microwave and Optical Technology Letters, 2007, 49, 1439-1445.	1.4	10
70	2-L-SHAPE TWO-DIMENSIONAL ARRIVAL ANGLE ESTIMATION WITH A CLASSICAL SUBSPACE ALGORITHM. Progress in Electromagnetics Research, 2006, 66, 301-315.	4.4	15
71	The Design of a 360°-Switched-Beam-Base Station Antenna. , 0, , .		2