

Ali Gharsallah

List of Publications by Year in descending order

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papers

637
citations

840776

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677142

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71
all docs

71
docs citations

71
times ranked

561
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	DIRECTION OF ARRIVAL ESTIMATION METHOD USING A 2-L SHAPE ARRAYS ANTENNA. Progress in Electromagnetics Research, 2007, 69, 145-160.	4.4	27
5	TERAHERTZ GRAPHENE-BASED RECONFIGURABLE PATCH ANTENNA. Progress in Electromagnetics Research Letters, 2017, 71, 69-76.	0.7	26
6	Chipless RFID for space applications. , 2014, , .		16
7	2-L-SHAPE TWO-DIMENSIONAL ARRIVAL ANGLE ESTIMATION WITH A CLASSICAL SUBSPACE ALGORITHM. Progress in Electromagnetics Research, 2006, 66, 301-315.	4.4	15
8	Metamaterials dipole antenna by using split ring resonators for RFID technology. Microwave and Optical Technology Letters, 2014, 56, 2899-2903.	1.4	15
9	Reconfigurable frequency selective surface for beam switching applications. IET Microwaves, Antennas and Propagation, 2017, 11, 69-74.	1.4	14
10	Reconfigurable vivaldi antenna with improved gain for <sc>UWB</sc> applications. Microwave and Optical Technology Letters, 2016, 58, 490-494.	1.4	13
11	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
12	UWB Antipodal Vivaldi antenna with higher radiation performances using metamaterials. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	12
13	Nested metamaterials antenna for RFID traceability. Microwave and Optical Technology Letters, 2014, 56, 1622-1626.	1.4	11
14	Metamaterials microstrip patch antenna for wireless communication RFID technology. Microwave and Optical Technology Letters, 2015, 57, 1060-1066.	1.4	11
15	Graphene-GaAs-graphene stacked layers for the improvement of the transmission at the wavelength of 1.55 μ m. Optical Materials, 2016, 57, 120-124.	3.6	11
16	Analysis of multilayer substrates by multilayer contribution of wave concept iterative process. Microwave and Optical Technology Letters, 2007, 49, 1439-1445.	1.4	10
17	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
18	Graphene-based reconfigurable transmission filter near the wavelength of 1.55 μ m. Optical Materials, 2017, 66, 201-206.	3.6	10

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19	Tunable slot antenna backed by substrate integrated waveguide cavity. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21591.	1.2	10
20	Metamaterial Vivaldi Antenna Array for Breast Cancer Detection. Sensors, 2022, 22, 3945.	3.8	10
21	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
22	Design of a 4×4 butler matrix for beamforming antenna applications. , 2014, , .		8
23	Breast cancer detection based on CPW antenna. , 2019, , .		8
24	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
25	A new estimation of direction of arrival algorithm with a special antenna shape. Smart Materials and Structures, 2007, 16, 2595-2599.	3.5	7
26	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
27	Reconfigurable dual-band 3D Frequency Selective Surface unit-cell. , 2015, , .		7
28	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
29	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
30	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
31	A novel H-shaped cavity based RFID chipless tag. , 2016, , .		6
32	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
33	Frequency-Spectra-Based High Coding Capacity Chipless RFID Using an UWB-IR Approach. Sensors, 2021, 21, 2525.	3.8	6
34	Watchstrap integrated wideband circularly polarized antenna design for smartwatch applications. IET Microwaves, Antennas and Propagation, 2022, 16, 587-601.	1.4	6
35	Statistical study on the effect of the use of mobile phone technology on human body health. , 2016, , .		5
36	Pattern Reconfigurable Antenna Design for for 5G mobile communication systems. , 2017, , .		5

#	ARTICLE	IF	CITATIONS
37	Design and Miniaturization of UHF RFID Reader Antenna. , 2018, , .		5
38	Triple Band Tunable SIW Cavity Antenna with Cristal Liquid Materials for Wireless Applications. , 2019, , .		5
39	Analysis and Design of a New PIFA Antenna for the Wireless Communications Applications. , 2019, , .		5
40	Study and Design of Reconfigurable Wireless and Radio- Frequency Components Based on RF MEMS for Low-Power Applications. , 2018, , .		4
41	Backscatter analysis in UWB chipless RFID based on UWB-IR. , 2021, , .		4
42	Analysis of the Electromagnetic Absorption in a New Design of PIFA Antenna Using Metamaterials. Wireless Personal Communications, 2022, 124, 1337-1354.	2.7	4
43	A five-port reflectometer for communication receiver applications. , 2011, , .		3
44	A novel meander complementary split ring resonator-based RFID chipless tag. , 2014, , .		3
45	Innovative technique for substrate integrated waveguide implementation on paper substrate. , 2014, , .		3
46	Linear ESPRIT-Like Algorithms for Fast Directions of Arrival Estimation with Real Structure. , 2019, , .		3
47	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
48	Analysis of Novel Dual-Resonant and Dual-Polarized Frequency Selective Surface using Periodic contribution of Wave Concept Iterative Process: PPMS-WCIP. , 2008, , .		2
49	Efficient polysilicon passivation layer for crosstalk reduction in high-resistivity SOI substrates. , 2010, , .		2
50	Compact bowtie dielectric resonator antenna for broadband applications. , 2014, , .		2
51	The Design of a 360°-Switched-Beam-Base Station Antenna. , 0, , .		2
52	Development of SIW LWA from Non-Uniform CRLH Unit Cells with SLL Reduction. , 2018, , .		2
53	Electromagnetic study of the breast for biomedical applications. , 2018, , .		2
54	A Novel Electromagnetic Signature Based on RF Identification of Numbers. International Journal on Communications Antenna and Propagation, 2016, 6, 400.	0.3	2

#	ARTICLE	IF	CITATIONS
55	Bandwidth enhancement of microstrip antenna with circular slot for Ku-band satellite applications. , 2014, , .		1
56	Design and performance analysis of complex Planar Triangular Monopole Textile Antenna in vicinity of human body for wearable applications. , 2015, , .		1
57	Space-time estimation algorithms for wideband signals. , 2015, , .		1
58	Design of SIW Frequency Agile Antenna Based on a Varactor Loaded on U-Slot. , 2018, , .		1
59	Design of transparent and flexible antenna for smart contact lenses. , 2019, , .		1
60	Tunable Liquid Crystal MTM SIW LWA for continuous scanning at fixed frequency. , 2019, , .		1
61	Slotted Cubic design for 2.4 GHZ Antenna. , 2022, , .		1
62	Proximity coupled microstrip patch antenna design with reduced out of band harmonics device at 2.45 GHz. , 2011, , .		0
63	A fractal circular polarized RFID tag antenna. Open Engineering, 2013, 3, .	1.6	0
64	Design of high efficient double diode rectifier for wireless power transmission. , 2014, , .		0
65	Improved microstrip dipole antenna by using metamaterials for RFID technology. , 2014, , .		0
66	Efficient rectifier design on jute material for Wireless Power Transmission. , 2015, , .		0
67	Immunity test of RF MEMS of non uniform test radiation techniques. , 2017, , .		0
68	Comparative Study of a Novel E-patch Antenna Loaded with Slot Split-Ring Resonators on Different Distance of Superstrate. , 2018, , .		0
69	Linear Propagator Algorithm for Directions of Arrival Estimation in the Presence of Mutual Coupling. , 2018, , .		0
70	The Effect of Antenna Network Configurations on the Radiation Patterns. , 2019, , .		0
71	Varactor-loaded SIW cavity backed antennas for modern wireless communication systems. , 2019, , .		0