

Emadeldeen Hassan

List of Publications by Year in descending order

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759233

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docs citations

33
times ranked

360
citing authors

#	ARTICLE	IF	CITATIONS
1	Topology optimization of dispersive plasmonic nanostructures in the time-domain. Optics Express, 2022, 30, 19557.	3.4	5
2	Fat-IntraBody Communication at 5.8 GHz: Verification of Dynamic Body Movement Effects Using Computer Simulation and Experiments. IEEE Access, 2021, 9, 48429-48445.	4.2	8
3	Multilayer Topology Optimization of Wideband SIW-to-Waveguide Transitions. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1326-1339.	4.6	23
4	An Ultra Broadband Multi-Tone Six-Port Radar for Distance Measurements in K-Band Waveguides. , 2020, , .		2
5	Design of Planar Microstrip-to-Waveguide Transitions Using Topology Optimization. , 2019, , .		11
6	Compact Differential-Fed Planar Filtering Antennas. Electronics (Switzerland), 2019, 8, 1241.	3.1	3
7	Assessment of Blood Vessel Effect on Fat-Intrabody Communication Using Numerical and Ex-Vivo Models at 2.45 GHz. IEEE Access, 2019, 7, 89886-89900.	4.2	9
8	Visual representation of DNA sequences for exon detection using non-parametric spectral estimation techniques. Nucleosides, Nucleotides and Nucleic Acids, 2019, 38, 321-337.	1.1	5
9	Non-parametric spectral estimation techniques for DNA sequence analysis and exon region prediction. Computers and Electrical Engineering, 2019, 73, 334-348.	4.8	12
10	Topology optimization of compact wideband coaxial-to-waveguide transitions with minimum-size control. Structural and Multidisciplinary Optimization, 2018, 57, 1765-1777.	3.5	10
11	Impact of Blood Vessels on Data Packet Transmission Through the Fat Channel. , 2018, , .		0
12	Characterization of the Fat Channel for Intra-Body Communication at R-Band Frequencies. Sensors, 2018, 18, 2752.	3.8	38
13	Effects of Blood Vessels on Fat Channel Microwave Communication. , 2018, , .		3
14	Effect of Thickness Inhomogeneity in Fat Tissue on In-Body Microwave Propagation. , 2018, , .		8
15	Topology Optimisation of Wideband Coaxial-to-Waveguide Transitions. Scientific Reports, 2017, 7, 45110.	3.3	18
16	Human fat tissue: A microwave communication channel. , 2017, , .		6
17	Intra-body microwave communication through adipose tissue. Healthcare Technology Letters, 2017, 4, 115-121.	3.3	31
18	Reliability of the fat tissue channel for intra-body microwave communication. , 2017, , .		15

#	ARTICLE	IF	CITATIONS
19	Data Packet Transmission Through Fat Tissue for Wireless IntraBody Networks. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2017, 1, 43-51.	3.4	24
20	Topology Optimization of Planar Antennas for Wideband Near-Field Coupling. IEEE Transactions on Antennas and Propagation, 2015, 63, 4208-4213.	5.1	56
21	PATCH AND GROUND PLANE DESIGN OF MICROSTRIP ANTENNAS BY MATERIAL DISTRIBUTION TOPOLOGY OPTIMIZATION. Progress in Electromagnetics Research B, 2014, 59, 89-102.	1.0	15
22	Topology Optimization of Metallic Antennas. IEEE Transactions on Antennas and Propagation, 2014, 62, 2488-2500.	5.1	85
23	ELECTROMAGNETIC SCATTERING USING GPU-BASED FINITE DIFFERENCE FREQUENCY DOMAIN METHOD. Progress in Electromagnetics Research B, 2009, 16, 351-369.	1.0	25
24	EFFECTS OF SOIL PHYSICAL PROPERTIES ON LANDMINES DETECTION USING MICROSTRIP ANTENNA AS A SENSOR. Progress in Electromagnetics Research C, 2009, 7, 13-24.	0.9	5
25	Breast cancer detection using a hybrid Finite difference frequency domain and particle swarm optimization techniques. , 2008, , .		13
26	Microstrip antenna with corrugated ground plane surface as a sensor for landmines detection. , 2008, , .		6
27	MICROSTRIP ANTENNA WITH CORRUGATED GROUND PLANE SURFACE AS A SENSOR FOR LANDMINES DETECTION. Progress in Electromagnetics Research B, 2008, 2, 259-278.	1.0	19
28	BREAST CANCER DETECTION USING A HYBRID FINITE DIFFERENCE FREQUENCY DOMAIN AND PARTICLE SWARM OPTIMIZATION TECHNIQUES. Progress in Electromagnetics Research B, 2008, 3, 35-46.	1.0	40
29	MICROSTRIP ANTENNA WITH DEFECTED GROUND PLANE STRUCTURE AS A SENSOR FOR LANDMINES DETECTION. Progress in Electromagnetics Research B, 2008, 4, 27-39.	1.0	40
30	A Hybrid Finite Difference Frequency Domain and Particle Swarm Optimization Techniques for Forward and Inverse Electromagnetic Scattering Problems. , 2007, , .		5
31	Design of UMTS Dielectric Resonator Antenna for Mobile Phone Including the Biological Effects. , 2007, , .		2
32	Control of Rectangular Dielectric Resonator Characteristics by Ground Plane Shape. , 2006, , .		0
33	The effect of the ground plane shape on the characteristics of rectangular dielectric resonator antennas. , 2006, , .		7