

Hassen Zairi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	DUAL-BAND RECONFIGURABLE GRAPHENE-BASED PATCH ANTENNA IN TERAHERTZ BAND: DESIGN, ANALYSIS AND MODELING USING WCIP METHOD. Progress in Electromagnetics Research C, 2018, 87, 213-226.	0.9	26
2	Numerical Simulation of Tunable Terahertz Graphene-Based Sensor for Breast Tumor Detection. IEEE Sensors Journal, 2021, 21, 9844-9851.	4.7	17
3	Tunable filter based on hybrid metal-graphene structures over an ultrawide terahertz band using an improved Wave Concept Iterative Process method. Optik, 2019, 181, 423-431.	2.9	16
4	Tunable attenuator based on hybrid graphene-black phosphorus microstrip line for terahertz applications. Optik, 2020, 216, 164827.	2.9	11
5	Modeling of Magnetically Biased Graphene Coupler at Terahertz Frequency Through an Improved Anisotropic WCIP Method. IEEE Transactions on Magnetics, 2020, 56, 1-8.	2.1	10
6	An efficient iterative method for analysis of a substrate integrated waveguide structures. Microwave and Optical Technology Letters, 2010, 52, 45-48.	1.4	9
7	EFFECTIVE MODELING OF MAGNETIZED GRAPHENE BY THE WAVE CONCEPT ITERATIVE PROCESS METHOD USING BOUNDARY CONDITIONS. Progress in Electromagnetics Research C, 2019, 89, 121-132.	0.9	9
8	Modeling of a Metamaterial Biosensor Based on Split Ring Resonators for Cancer Cells Detection. , 2021, , .		6
9	Graphene Based-Sensor for Basal Cell Carcinoma Detection. IEEE Sensors Journal, 2021, 21, 19930-19937.	4.7	6
10	Liquid filled method for substrate integrated waveguide reconfigurable filter. , 2018, , .		5
11	A miniaturized metamaterial unit cell for 5G applications. , 2019, , .		5
12	Performance analysis of dynamically controllable terahertz grounded coplanar waveguide attenuator based on graphene using wave concept iterative process method. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22517.	1.2	5
13	Terahertz microstrip circulator based on graphene. Journal of Electromagnetic Waves and Applications, 2020, 34, 2339-2348.	1.6	3
14	A new iterative method for analysing nonlinear photonic-crystal structures. International Journal of Electronics, 2010, 97, 1329-1337.	1.4	2
15	Design and development of circular filter using QSIW resonator. , 2017, , .		2
16	Design of graphene patch array antenna for 5G applications. , 2018, , .		2
17	Design of a microwave biosensor using a defected CSRR for cancer cells characterization. , 2018, , .		2
18	Metamaterial Antenna Analysis using Wave Concept Iterative Process. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
19	Low loss substrate integrated waveguide slot antenna. , 2017, , .		1
20	Comparative investigation of two-dimensional materials for the design of non-reciprocal antennas in terahertz band. Optik, 2020, 205, 164267.	2.9	1
21	Numerical investigation of a new sensor for blood glucose detection using an improved wave concept iterative process method. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2022, 35, .	1.9	1
22	Terahertz Substrate Integrated Waveguide Wideband Antenna for Medical Imaging and Satellite Communications Applications. , 2019, , .		0
23	Planar Dual-Band ISM Antenna for Wireless Sensors. , 2019, , .		0
24	Dual-Band Reconfigurable Graphene Antenna For THz Applications. , 2020, , .		0
25	Graphene patch array antenna at 60 GHz for 5G Millimeter-Wave Communications. , 2020, , .		0
26	Tunable Attenuator Based on Hybrid Metal-Graphene Structure on Spoof Surface Plasmon Polaritons Waveguide. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2022, , 154-164.	0.5	0
27	Sensitivity Optimization of Biosensors Based on Two-Dimensional Materials for Breast Health Monitoring. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2022, 12, 715-722.	2.5	0
28	Reconfigurable Filter Based on Two-dimensional Materials. , 2021, , .		0
29	Tunable Attenuator Based on Hybrid Metal-Graphene Structure on Spoof Surface Plasmon Polaritons Waveguide. Advances in Computer and Electrical Engineering Book Series, 2022, , 232-244.	0.3	0