Ammar B Kouki

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1538867/publications.pdf

Version: 2024-02-01

51	867	706676 14	536525 29
papers	citations	h-index	g-index

51	51	51	1349
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Second Source Harmonic Optimization in Continuous Class-GF Power Amplifiers. IEEE Microwave and Wireless Components Letters, 2022, 32, 316-319.	2.0	9
2	Low-temperature co-fired ceramic-based thermoelectric generator with cylindrical grooves for harvesting waste heat from power circuits. Applied Thermal Engineering, 2021, 184, 116367.	3.0	7
3	Continuous-Mode Inverse Class-GF Power Amplifier With Second-Harmonic Impedance Optimization at Device Input. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2506-2518.	2.9	15
4	LTCC-Integrated Dielectric Resonant Antenna Array for 5G Applications. Sensors, 2021, 21, 3801.	2.1	6
5	Multiband RF Front-End in LTCC for Avionic Systems. , 2021, , .		0
6	A Fast Technique for Realization of Lumped-Element Values Into 3-D Physical Layout on LTCC. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2021, 11, 1497-1505.	1.4	3
7	Highly Compact Dual-Band Lumped Element Band-pass Filters in LTCC for Avionic Systems. , 2021, , .		1
8	Determination of areas for surface refractivity variation analysis over Quebec. Journal of Atmospheric and Solar-Terrestrial Physics, 2020, 208, 105385.	0.6	0
9	LTCC-Based Fluidic Tuners for Low Microwave Frequency Reconfigurable Circuits. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 3308-3317.	2.9	3
10	ESTIMATION AND ANALYSIS OF THE RADIO REFRACTIVITY, ITS GRADIENT AND THE GEOCLIMATIC FACTOR IN ARCTIC REGIONS. Progress in Electromagnetics Research M, 2020, 92, 181-192.	0.5	0
11	Design of Compact Dual-Band LTCC Second-Order Chebyshev Bandpass Filters Using a Direct Synthesis Approach. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1441-1451.	2.9	18
12	New Modified Urban Canyon Models for Satellite Signal Propagation Prediction. IEEE Access, 2019, 7, 25298-25307.	2.6	7
13	Vertical LTCC Integrated Rectangular Waveguide and Transitions for Millimeter-Wave Applications. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 868-882.	2.9	20
14	Low Loss Air-Filled Transmission Lines in LTCC Technology. , 2019, , .		0
15	Conversion Rules Between X-Parameters and Linearized Two-Port Network Parameters for Large-Signal Operating Conditions. IEEE Transactions on Microwave Theory and Techniques, 2018, , 1-12.	2.9	7
16	A Proposed Prototype for Cattle Monitoring System using RFID. , 2018, , .		2
17	On the Accurate Voltage and Current Analytical Relationship to <inline-formula> <tex-math notation="LaTeX">${X}$ </tex-math> </inline-formula>-Parameters of a Nonlinear Two-Port Network. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 4439-4451.	2.9	7
18	Read Range/Rate Improvement of an LF RFID-Based Tracking System. IEEE Journal of Radio Frequency Identification, 2018, 2, 73-79.	1.5	7

#	Article	IF	Citations
19	Empty LTCC Integrated Waveguide with Compact Transitions for Ultra-low Loss Millimeter-wave Applications. IEEE Microwave and Wireless Components Letters, 2017, 27, 144-146.	2.0	11
20	Modeling and process design optimization of a piezoelectric micromachined ultrasonic transducers (PMUT) using lumped elements parameters. Microsystem Technologies, 2017, 23, 4659-4669.	1.2	17
21	New Adaptive Multi-Expansion Frequencies Approach for SP-MORe Techniques With Application to the Well-Conditioned Asymptotic Waveform Evaluation. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3709-3719.	2.9	8
22	AC actuation contribution to the induced electromotive force in the miniaturized inductive planar microphone. Analog Integrated Circuits and Signal Processing, 2017, 90, 551-562.	0.9	2
23	A Comparison of Satellite Signal Simulation in Street Canyon in 2D and 3D Deterministic Methods. , 2017, , .		0
24	Optimization of Multi-standard Transmitter Architecture Using Single-Double Conversion Technique Used for Rescue Operations. Advances in Science, Technology and Engineering Systems, 2017, 2, 73-81.	0.4	0
25	Position-Aided mm-Wave Beam Training Under NLOS Conditions. IEEE Access, 2016, 4, 8703-8714.	2.6	54
26	Highly Compact VHF/UHF Dual-Band/Dual-Function LTCC Circuits: Application to Avionic Systems. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2016, 6, 12-22.	1.4	4
27	A dual polarized, Ku-band patch antenna using hybrid LTCC-PCB technology. Microwave and Optical Technology Letters, 2016, 58, 202-206.	0.9	3
28	Exploiting Site-Specific Propagation Characteristics in Directional Search at 28 GHz. IEEE Access, 2016, 4, 3894-3906.	2.6	53
29	Design of a wideband Rotman lens with dummy ports for wide-scan phased array applications. , 2016, , .		3
30	A New GaN HEMT Equivalent Circuit Modeling Technique Based on X-Parameters. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 2758-2777.	2.9	26
31	GaN high electron mobility transistors: a review from parasitic elements extraction's perspective. Journal of Engineering, 2016, 2016, 258-265.	0.6	2
32	Power Approaches for Implantable Medical Devices. Sensors, 2015, 15, 28889-28914.	2.1	312
33	High-SRF VHF/UHF Lumped Elements in LTCC. IEEE Microwave and Wireless Components Letters, 2015, 25, 25-27.	2.0	8
34	Improving RFID tag detection in the presence of mechanical vibration. , 2015, , .		1
35	MEMS filterâ€™s design and modeling based on width-extensional mode plate resonator for wireless applications. Microsystem Technologies, 2015, 21, 1567-1576.	1.2	2
36	Modeling of extrinsic parasitic elements of Si based GaN HEMTs using two step de-embedding structures. , 2015, , .		3

#	Article	IF	Citations
37	Development and Characterization of a Novel Interdigitated Capacitive Strain Sensor for Structural Health Monitoring. IEEE Sensors Journal, 2015, 15, 6542-6548.	2.4	43
38	Development of a laser micro-machined interdigitated capacitive strain sensor for structural health monitoring applications. , 2014, , .		2
39	A highly compact VHF/UHF dual-band LTCC coupler for avionic systems. , 2014, , .		4
40	Analytical Design Methodology of Outphasing Amplification Systems Using a New Simplified Chireix Combiner Model. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 1886-1895.	2.9	22
41	Wideband circularly polarized single probeâ€fed patch antenna. Microwave and Optical Technology Letters, 2012, 54, 1803-1808.	0.9	18
42	Extrinsic extraction pocedure for a small-signal GaN-HEMT model. , 2011, , .		3
43	Large-signal model for AlGaN/GaN HEMTs suitable for RF switching-mode power amplifiers design. Solid-State Electronics, 2010, 54, 696-700.	0.8	22
44	Analyzing LINC Systems. IEEE Microwave Magazine, 2010, 11, 59-71.	0.7	64
45	Design Methodology and Optimization of Distributed MEMS Matching Networks for Low-Microwave-Frequency Applications. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 3030-3041.	2.9	27
46	A New Mode-Multiplexing LINC Architecture to Boost the Efficiency of WiMAX Up-Link Transmitters. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 248-253.	2.9	37
47	A 3Dposteriori error estimator for FEM solution of electromagnetic problems. Microwave and Optical Technology Letters, 2003, 36, 300-302.	0.9	1
48	A new nonlinear dc model for HBT and mesfet power devices. Microwave and Optical Technology Letters, 1995, 9, 130-133.	0.9	0
49	Phase velocity equalization in microstrip couplers by partial dielectric overlays. Microwave and Optical Technology Letters, 1995, 9, 249-252.	0.9	2
50	An efficient approach suitable for the analysis and design of nonuniform transmission lines. Microwave and Optical Technology Letters, 1995, 10, 146-150.	0.9	1
51	Fluidics for Reconfigurable Microwave Components. , 0, , .		0