

Yolanda Campos-Roca

List of Publications by Year in descending order

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43
times ranked

474
citing authors

#	ARTICLE	IF	CITATIONS
1	Multistep Transitions From Microstrip and GCPW Lines to SIW in 5G 26 GHz Band. IEEE Access, 2021, 9, 68778-68787.	4.2	2
2	Impact of substrate and bending angle on the performance of microwave PCB sensors for permittivity measurements. Measurement: Journal of the International Measurement Confederation, 2021, 175, 109114.	5.0	3
3	Multidisciplinary Project-Based Learning: Improving Student Motivation for Learning Signal Processing. IEEE Signal Processing Magazine, 2021, 38, 62-72.	5.6	1
4	Impact of noise on the performance of automatic systems for vocal fold lesions detection. Biocybernetics and Biomedical Engineering, 2021, 41, 1039-1056.	5.9	2
5	Monitoring Parkinson's disease progression based on recorded speech with missing ordinal responses and replicated covariates. Computers in Biology and Medicine, 2021, 134, 104503.	7.0	4
6	Replication-based regularization approaches to diagnose Reinke's edema by using voice recordings. Artificial Intelligence in Medicine, 2021, 120, 102162.	6.5	3
7	Multicondition Training for Noise-Robust Detection of Benign Vocal Fold Lesions From Recorded Speech. IEEE Access, 2021, 9, 1707-1722.	4.2	7
8	A mobile-assisted voice condition analysis system for Parkinson's disease: assessment of usability conditions. BioMedical Engineering OnLine, 2021, 20, 114.	2.7	12
9	Simultaneous Use of Addition Theorems for Cylindrical and Spherical Waves for the Fast Full-Wave Analysis of SIW-Based Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2019, 67, 7379-7386.	5.1	5
10	Applications of the direct domain decomposition based on cylindrical ports in the hybrid Finite Element/Modal Analysis method. , 2019, , .		0
11	GCPW GaAs Broadside Couplers at H-Band and Application to Balanced Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 78-85.	4.6	7
12	Analysis and Development of Submillimeter-Wave Stacked-FET Power Amplifier MMICs in 35-nm mHEMT Technology. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 357-364.	3.1	14
13	A Diadochokinesis-based expert system considering articulatory features of plosive consonants for early detection of Parkinson's disease. Computer Methods and Programs in Biomedicine, 2018, 154, 89-97.	4.7	48
14	Spurious Mode Suppression in the Design of GCPW Submillimeter-wave Power Amplifiers. , 2018, , .		2
15	A S-Band Broadband Balanced Power Amplifier Module Based on Cascode mHEMTs. IEEE Microwave and Wireless Components Letters, 2018, 28, 924-926.	3.2	7
16	Overall Formulation for Multilayer SIW Circuits Based on Addition Theorems and the Generalized Scattering Matrix. IEEE Microwave and Wireless Components Letters, 2018, 28, 485-487.	3.2	6
17	Analysis of 4-way divider MMICs in GaAs technology for H-band applications. , 2018, , .		2
18	A two-stage variable selection and classification approach for Parkinson's disease detection by using voice recording replications. Computer Methods and Programs in Biomedicine, 2017, 142, 147-156.	4.7	86

#	ARTICLE	IF	CITATIONS
19	Efficient EM Simulation of GCPW Structures Applied to a 200-GHz mHEMT Power Amplifier MMIC. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 596-608.	2.2	0
20	A 280 GHz stacked-FET power amplifier cell using 50 nm metamorphic HEMT technology. , 2016, , .		2
21	A broadband 175â€“245 GHz balanced medium power amplifier using 50-nm mHEMT technology. , 2016, , .		1
22	Addressing voice recording replications for Parkinsonâ€™s disease detection. Expert Systems With Applications, 2016, 46, 286-292.	7.6	110
23	A 200 GHz driver amplifier in metamorphic HEMT technology. , 2015, , .		3
24	Impact of Metallization Layer Structure on the Performance of G-Band Branch-Line Couplers. IEEE Microwave and Wireless Components Letters, 2015, 25, 793-795.	3.2	3
25	A 200 GHz Medium Power Amplifier MMIC in Cascode Metamorphic HEMT Technology. IEEE Microwave and Wireless Components Letters, 2014, 24, 787-789.	3.2	8
26	A G-band cascode MHEMT medium power amplifier. , 2013, , .		1
27	Multibias scalable HEMT small-signal modeling based on a hybrid direct extraction/particle swarm optimization approach. Microelectronics Journal, 2012, 43, 562-568.	2.0	6
28	A D-Band Subharmonically-Pumped Resistive Mixer Based on a 100 nm MHEMT Technology. ETRI Journal, 2011, 33, 818-821.	2.0	3
29	AMâ€“PM Conversion in a Wâ€“band frequency quadrupler. Microwave and Optical Technology Letters, 2011, 53, 47-51.	1.4	1
30	G-band metamorphic HEMT-based frequency multipliers. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 2983-2992.	4.6	40
31	A D-band frequency doubler MMIC based on a 100-nm metamorphic HEMT technology. IEEE Microwave and Wireless Components Letters, 2005, 15, 466-468.	3.2	9
32	A simplified broad-band large-signal nonquasi-static table-based FET model. IEEE Transactions on Microwave Theory and Techniques, 2000, 48, 395-405.	4.6	55
33	38/76 GHz PHEMT MMIC balanced frequency doublers in coplanar technology. , 2000, 10, 484-486.		11
34	Direct extraction of nonlinear FET Q-V functions from time domain large signal measurements. , 2000, 10, 531-533.		48
35	Extraction of Transistor Large Signal Models from Vector Nonlinear Network Analyzers. , 2000, , .		3
36	An optimized 25.5-76.5 GHz PHEMT-based coplanar frequency tripler. IEEE Microwave and Wireless Components Letters, 2000, 10, 242-244.	0.9	27

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37	Direct extraction of nonlinear FET C-V functions from time domain large signal measurements. Electronics Letters, 1999, 35, 1789.	1.0	9
38	Coplanar pHEMT MMIC frequency multipliers for 76-GHz automotive radar. IEEE Microwave and Wireless Components Letters, 1999, 9, 242-244.	0.9	26
39	Direct extraction of nonlinear FET I-V functions from time domain large signal measurements. Electronics Letters, 1998, 34, 1993.	1.0	25
40	Experimental Demonstration and CAD Investigation of Class B HFET Transistor Operation at Microwave Frequencies. , 1998, , .		4
41	Simplified nonquasi-static FET modelling approach experimentally validated up to 118.5 GHz. , 0, , .		8
42	Accurate HEMT model extraction and validation in class A and B bias points using a full two-port large signal on-wafer measurement system. , 0, , .		3
43	LMDS up- and down-converter MMIC. , 0, , .		6