

German Andres Alvarez Botero

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

158
citations

1684188

5
h-index

1474206

9
g-index

16
all docs

16
docs citations

16
times ranked

219
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization and Modeling of the Capacitive HBC Channel. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 2626-2635.	4.7	67
2	Optical sensing using fiber bragg gratings: fundamentals and applications. IEEE Instrumentation and Measurement Magazine, 2017, 20, 33-38.	1.6	28
3	Human body communication: Channel characterization issues. IEEE Instrumentation and Measurement Magazine, 2019, 22, 48-53.	1.6	12
4	Using S-parameter measurements to determine the threshold voltage, gain factor, and mobility degradation factor for microwave bulk-MOSFETs. Microelectronics Reliability, 2011, 51, 342-349.	1.7	10
5	Characterization of RF-MOSFETs in Common-Source Configuration at Different Source-to-Bulk Voltages From S-Parameters. IEEE Transactions on Electron Devices, 2013, 60, 2450-2456.	3.0	8
6	Magnetic human body communication based on double-inductor coupling. , 2017, , .		8
7	Temperature measurements on overhead lines using fiber Bragg grating sensors. , 2017, , .		7
8	Impact of multi-finger geometry on the extrinsic parasitic resistances of microwave MOSFETs. , 2014, , .		5
9	Modeling and parameter extraction of test fixtures for MOSFET on-wafer measurements up to 60 GHz. International Journal of RF and Microwave Computer-Aided Engineering, 2013, 23, 655-661.	1.2	3
10	Improvement the permittivity determination in glyphosate-water mixture using CSRR as sensor. , 2018, , .		3
11	Modeling of the test fixtures to improve the HBC channel interpretation. , 2015, , .		2
12	Consistent Modeling and Power Gain Analysis of Microwave SiGe HBTs in CE and CB Configurations. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 3888-3895.	4.6	2
13	Modeling Ground-Shielded Integrated Inductors Incorporating Frequency-Dependent Effects and Considering Multiple Resonances. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1370-1378.	4.6	2
14	Classification of plastic materials using machine-learning algorithms and microwave resonant sensor. Journal of Electromagnetic Waves and Applications, 2022, 36, 1760-1775.	1.6	1
15	Determining the Temperature Performance of Encoded Fiber Bragg Grating Sensors. , 2016, , .		0
16	Measuring overhead line temperature using fiber Bragg grating sensors. , 2021, , .		0