

# Dominique M M -P Schreurs

## List of Publications by Year in descending order

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284  
papers

3,525  
citations

136740

32  
h-index

205818

48  
g-index

300  
all docs

300  
docs citations

300  
times ranked

2458  
citing authors

#	ARTICLE	IF	CITATIONS
1	Respiratory Activity Monitoring by a Wearable 5.8 GHz SILO With Energy Harvesting Capabilities. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2022, 6, 246-252.	2.3	4
2	Fully Automated Electrically Controlled Tunable Broadband Interferometric Dielectric Spectroscopy for Aqueous Solutions. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 532-541.	2.9	3
3	Internet of Things Networks: Enabling Simultaneous Wireless Information and Power Transfer. IEEE Microwave Magazine, 2022, 23, 39-54.	0.7	8
4	FORMAT: A Reconfigurable Tile-Based Antenna Array System for 5G and 6G Millimeter-Wave Testbeds. IEEE Systems Journal, 2022, 16, 4489-4500.	2.9	3
5	Impact of Array Antenna Types on Heart Rate Monitoring Radar. , 2022, , .		0
6	<sc>3D</sc>â€printed pumpkinâ€shaped cavity resonator to determine the complex permittivity of liquids. Microwave and Optical Technology Letters, 2021, 63, 1061-1066.	0.9	6
7	Numerical modeling of two microwave sensors for biomedical applications. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2021, 34, .	1.2	15
8	Wideband Active Loadâ€Pull by Device Output Match Compensation Using a Vector Network Analyzer. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 874-886.	2.9	10
9	RF Energy Harvesting from GFSK-Modulated BLE Signals. , 2021, , .		9
10	A Survey on Vital Signs Detection Using Radar Techniques and Processing With FPGA Implementation. IEEE Circuits and Systems Magazine, 2021, 21, 41-74.	2.6	24
11	EuMW 2020 Special Issue. International Journal of Microwave and Wireless Technologies, 2021, 13, 507-508.	1.5	0
12	Efficient approach for dielectric permittivity measurements of liquids adopting a 3Dâ€printed cavity resonator. Microwave and Optical Technology Letters, 2021, 63, 2797-2802.	0.9	3
13	Impact of Measurement Uncertainty on Modeling of Dielectric Relaxation in Aqueous Solutions. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 4082-4092.	2.9	8
14	A Compact 26.5â€29.5-GHz LNA-Phase-Shifter Combo With 360Â° Continuous Phase Tuning Based on All-Pass Networks for Millimeter-Wave 5G. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 3927-3940.	3.5	8
15	Evolution of SWIPT for the IoT World: Near- and Far-Field Solutions for Simultaneous Wireless Information and Power Transfer. IEEE Microwave Magazine, 2021, 22, 48-59.	0.7	30
16	Indoor Microwave Sensors for Human Health Monitoring. , 2021, , .		0
17	Automatically Segmenting Physical Performance Test Items for Older Adults Using a Doppler Radar: A Proof of Concept Study. IEEE Access, 2021, 9, 152765-152779.	2.6	3
18	Highly Sensitive Differential Microwave Sensor for Soil Moisture Measurement. IEEE Sensors Journal, 2021, 21, 27458-27464.	2.4	16

#	ARTICLE	IF	CITATIONS
19	3-D Printed Microfluidic Sensor in SIW Technology for Liquidsâ€™ Characterization. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1175-1184.	2.9	41
20	A 14â€™50-GHz Phase Shifter With All-Pass Networks for 5G Mobile Applications. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 762-774.	2.9	23
21	A 5G Active Antenna Tile and its Characterization in a Reverberation Chamber. , 2020, , .		6
22	Uncertainty in Large-Signal Measurements Under Variable Load Conditions. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 3532-3546.	2.9	3
23	Scalability of Multifinger HEMT Performance. IEEE Microwave and Wireless Components Letters, 2020, 30, 869-872.	2.0	13
24	Transmission Strategy for Simultaneous Wireless Information and Power Transfer with a Non-Linear Rectifier Model. Electronics (Switzerland), 2020, 9, 1082.	1.8	8
25	A 24 - 30 GHz Ultra-Compact Phase Shifter Using All-Pass Networks for 5G User Equipment. , 2020, , .		3
26	Enhanced Wideband Active Load-Pull with a Vector Network Analyzer Using Modulated Excitations and Device Output Match Compensation. , 2020, , .		2
27	Phase-Control Techniques for Sub-Sampling Phase-Locked Loops. , 2020, , .		0
28	Variable-Phase All-Pass Network Synthesis and Its Application to a 14â€™54 GHz Multiband Continuous-Tune Phase Shifter in Silicon. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 3480-3496.	2.9	10
29	Goodbye to My Term as MTT-S President [President's Column]. IEEE Microwave Magazine, 2020, 21, 6-10.	0.7	0
30	A Cost-Efficient 28 GHz Integrated Antenna Array With Full Impedance Matrix Characterization for 5G NR. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 666-670.	2.4	8
31	Biosensor Using a One-Port Interdigital Capacitor: A Resonance-Based Investigation of the Permittivity Sensitivity for Microfluidic Broadband Bioelectronics Applications. Electronics (Switzerland), 2020, 9, 340.	1.8	10
32	Integration of Interdigitated Electrodes in Split-Ring Resonator for Detecting Liquid Mixtures. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2080-2089.	2.9	42
33	The Unacceptance of a Self-Management Health System by Healthy Older Adults. , 2020, , .		4
34	Designing a Tablet-Based Application for Self-Assessment Questionnaires with Nursing Home Residents. , 2020, , .		0
35	Physical Activity Recognition Using Continuous Wave Radar With Deep Neural Network. , 2020, , .		2
36	Broadband Measurement Setup for Cell Electrorotation. , 2020, , .		3

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37	Efficient Approximation Models of Microwave Devices Through Incremental Modeling. , 2020, , .		0
38	Analysis of Ultra-Broadband Phase-Shifters for 5G User Equipment. , 2020, , .		0
39	Rich in Our Diversity [President's Column]. IEEE Microwave Magazine, 2019, 20, 8-9.	0.7	0
40	News From the IEEE Meeting Series [President's Column]. IEEE Microwave Magazine, 2019, 20, 10-12.	0.7	0
41	Polarization Reconfigurable Air-Filled Substrate Integrated Waveguide Cavity-Backed Slot Antenna. IEEE Access, 2019, 7, 102628-102643.	2.6	16
42	Introducing the Revamped MTT-S Website-A Wealth of Information for Members [President's Column]. IEEE Microwave Magazine, 2019, 20, 9-10.	0.7	0
43	Ageing is Not a Disease. , 2019, , .		21
44	A Passing to Note and an Update on MTT-S Technical Committees [President's Column]. IEEE Microwave Magazine, 2019, 20, 10-12.	0.7	0
45	Update on Member Benefits [President's Column]. IEEE Microwave Magazine, 2019, 20, 8-10.	0.7	0
46	New Developments for the MTT-S [President's Column]. IEEE Microwave Magazine, 2019, 20, 8-75.	0.7	0
47	Recent Accomplishments, Future Directions [President's Column]. IEEE Microwave Magazine, 2019, 20, 8-10.	0.7	0
48	Modeling of Coplanar Interdigital Capacitor for Microwave Microfluidic Application. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 2674-2683.	2.9	32
49	Responding to Diversity [President's Column]. IEEE Microwave Magazine, 2019, 20, 8-10.	0.7	0
50	The IMS Experience [President's Column]. IEEE Microwave Magazine, 2019, 20, 8-10.	0.7	0
51	Multitone FSK Modulation for SWIPT. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1665-1674.	2.9	32
52	An Ultra-Wideband Sensing Board for Radio Frequency Front-End in IoT Transmitters. Electronics (Switzerland), 2019, 8, 1191.	1.8	0
53	Microfluidic Biosensor for Bioengineering: High-frequency Equivalent-Circuit Modeling of Interdigital Capacitor. , 2019, , .		2
54	Broadband Determination of Liquid Mixing Ratio through One-Port Microwave Measurements. , 2019, , .		0

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55	Discussion on Rectifier Models for Wireless Power Transfer Excitation Design. , 2019, , .		0
56	Analysis of Channel Hardening for SWIPT using Measured Massive MIMO Channels. , 2019, , .		2
57	A Wideband Efficient Rectifier Design for SWIPT. , 2019, , .		7
58	A 15-43.5 GHz Switched-Bit Phase Shifter for 5G Mobile Handsets. , 2019, , .		6
59	Microwave Dielectric Sensing for Sample Preparation in Digital Microfluidics. , 2019, , .		0
60	A Comprehensive and Critical Overview of the Kink Effect in S <sub>22</sub> for HEMT Technology. , 2019, , .		3
61	Temperature Dependent Small-Signal Neural Modeling of High-Periphery GaN HEMTs. , 2019, , .		4
62	Reflecting on My Tenure as Society President [President's Column]. IEEE Microwave Magazine, 2019, 20, 10-12.	0.7	0
63	Microwave Characterization of Liquid Mixtures with a Miniaturized Interdigital Sensor. , 2019, , .		2
64	Robust One-Tier Calibration for Microwave Microfluidics using Unknown Liquids. , 2019, , .		0
65	Compact Broadband Triple-Ring Five-Port Reflectometer for Microwave Brain Imaging Applications. IEEE Access, 2019, 7, 29597-29609.	2.6	4
66	Focus on the IEEE Microwave Theory and Techniques Society Administrative Committee [President's Column]. IEEE Microwave Magazine, 2019, 20, 8-20.	0.7	0
67	Looking to 2019 [President's Column]. IEEE Microwave Magazine, 2019, 20, 8-9.	0.7	0
68	A Simplified Dielectric Material Characterization Algorithm for Both Liquids and Solids. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 1639-1646.	1.4	6
69	Uses and Attitudes of Old and Oldest Adults towards Self-Monitoring Health Systems. , 2019, , .		3
70	A Planar One-Port Microwave Microfluidic Sensor for Microliter Liquids Characterization. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2018, 2, 10-17.	2.3	46
71	A General Line-Plane Method for Dielectric Material Characterization Using Conductors With the Same Cross-Sectional Geometry. IEEE Microwave and Wireless Components Letters, 2018, 28, 356-358.	2.0	11
72	Multitone Excitation Analysis in RF Energy Harvesters—Considerations and Limitations. IEEE Internet of Things Journal, 2018, 5, 2804-2816.	5.5	16

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73	Modulation Techniques for Simultaneous Wireless Information and Power Transfer With an Integrated Rectifier-Receiver. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 2373-2385.	2.9	38
74	Bandwidth Analysis of RF-DC Converters Under Multisine Excitation. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 791-802.	2.9	36
75	Spring ARFTG 2018 Microwave Measurement Conference. IEEE Microwave Magazine, 2018, 19, 68-69.	0.7	0
76	Technology-Independent Analysis of the Double Current-Gain Peak in Millimeter-Wave FETs. IEEE Microwave and Wireless Components Letters, 2018, 28, 326-328.	2.0	18
77	Design and Evaluation of Nonlinear Verification Device for Nonlinear Vector Network Analyzers. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1121-1130.	2.9	1
78	A Two-Port Nonlinear Dynamic Behavioral Model of RF PAs Subject to Wideband Load Modulation. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 831-844.	2.9	10
79	Nanostructured materials with plasmonic nanobiosensors for early cancer detection: A past and future prospect. Biosensors and Bioelectronics, 2018, 100, 361-373.	5.3	54
80	Two-tone FSK Modulation for SWIPT. , 2018, , .		3
81	Propagation of Compact-Modeling Measurement Uncertainty to 220 GHz Power-Amplifier Designs. , 2018, , .		2
82	Looking Back, Moving Forward [President's Column]. IEEE Microwave Magazine, 2018, 19, 8-11.	0.7	0
83	Assuming Leadership of the MTT-S [President's Column]. IEEE Microwave Magazine, 2018, 19, 10-12.	0.7	0
84	Data-Efficient Bayesian Optimization with Constraints for Power Amplifier Design. , 2018, , .		16
85	Preliminary Measurements of Magnetic Nanoparticles as Potential Biomarkers for Impedance Flow Cytometry. , 2018, , .		0
86	3D-Printed Microfluidic Sensor in Substrate Integrated Waveguide Technology. , 2018, , .		4
87	A Modeling Procedure of the Broadband Dielectric Spectroscopy for Ionic Liquids. IEEE Transactions on Nanobioscience, 2018, 17, 387-393.	2.2	19
88	Broadband Dielectric Spectroscopy of Cell Cultures. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 5750-5759.	2.9	42
89	Assessing GaN FET Performance Degradation in Power Amplifiers for Pulsed Radar Systems. IEEE Microwave and Wireless Components Letters, 2018, 28, 1035-1037.	2.0	12
90	Yeast Cell Growth Monitoring Using Microwave Measurements Correlated to Optical Absorbance. , 2018, , .		4

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91	Enhanced Biased ASK Modulation Performance for SWIPT With AWGN Channel and Dual-Purpose Hardware. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3478-3486.	2.9	32
92	A Multiline Multimaterial Calibration Method for Liquid Characterization. IEEE Microwave and Wireless Components Letters, 2018, 28, 732-734.	2.0	5
93	Microwave determination of liquid mixing ratio for microfluidics. , 2018, , .		0
94	Massive MIMO for SWIPT: A Measurement-Based Study of Precoding. , 2018, , .		8
95	Examination on a self-mixing circuit. , 2018, , .		0
96	Development of a planar microwave resonator based wetness sensor. , 2018, , .		3
97	Empowering GaN HEMT models: The gateway for power amplifier design. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2017, 30, e2125.	1.2	40
98	A procedure for the extraction of a nonlinear microwave GaN FET model. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2017, 30, e2151.	1.2	4
99	Two-Input Nonlinear Dynamic Model Inversion for the Linearization of Envelope-Tracking RF PAs. IEEE Microwave and Wireless Components Letters, 2017, 27, 79-81.	2.0	10
100	A New Dynamic-Bias Measurement Setup for Nonlinear Transistor Model Identification. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 218-228.	2.9	13
101	Behavioral modeling of RF PAs under wideband load modulation. , 2017, , .		1
102	Hybrid nonlinear model for microwave active devices using kriging. , 2017, , .		3
103	Monostatic continuous-wave radar integrating a tunable wideband leakage canceler for indoor tagless localization. International Journal of Microwave and Wireless Technologies, 2017, 9, 1583-1590.	1.5	7
104	Measurement Uncertainty Propagation in Transistor Model Parameters via Polynomial Chaos Expansion. IEEE Microwave and Wireless Components Letters, 2017, 27, 572-574.	2.0	43
105	Revolutionizing Wearables for 5G: 5G Technologies: Recent Developments and Future Perspectives for Wearable Devices and Antennas. IEEE Microwave Magazine, 2017, 18, 108-124.	0.7	81
106	An Improved Line-Reflect-Reflect-Match Calibration With an Enhanced Load Model. IEEE Microwave and Wireless Components Letters, 2017, 27, 97-99.	2.0	6
107	Hybrid rectifier-receiver node. , 2017, , .		4
108	Hybrid Characterization of Nanolitre Dielectric Fluids in a Single Microfluidic Channel Up to 110 GHz. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 5063-5073.	2.9	29

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109	SWIPT with biased ASK modulation and dual-purpose hardware. , 2017, , .		12
110	Multi-sine wireless power transfer with a realistic channel and rectifier model. , 2017, , .		5
111	Impact of transistor model uncertainty on microwave load-pull simulations. , 2017, , .		1
112	Thermal characterization of high-power GaN HEMTs up to 65 GHz. , 2017, , .		3
113	Neural procedure for microwave MOSFET modelling versus bias and gate length. , 2017, , .		4
114	Multi-bias equivalent circuit for MOSFET modelling. , 2017, , .		1
115	Measurement-based analysis of the throughput-power level trade-off with modulated multisine signals in a SWIPT system. , 2017, , .		14
116	A Unified Approach for Reformulations of LRM/LRMM/LRRM Calibration Algorithms Based on the T-Matrix Representation. Applied Sciences (Switzerland), 2017, 7, 866.	1.3	5
117	Effects of Gate-Length Scaling on Microwave MOSFET Performance. Electronics (Switzerland), 2017, 6, 62.	1.8	13
118	Load-pull measurements using Centroidal Voronoi Tessellation. , 2017, , .		1
119	Impact of multisine excitation design on rectifier performance. , 2016, , .		8
120	Supply-terminal 40 MHz BW characterization of impedance-like nonlinear functions for envelope tracking PAs. , 2016, , .		11
121	Charge-Controlled GaN FET Modeling by Displacement Current Integration From Frequency-Domain NVNA Measurements. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4382-4393.	2.9	15
122	Double-pulse characterization of GaN-on-Sapphire FETs for technology development. , 2016, , .		2
123	Design of Experiments Using Centroidal Voronoi Tessellation. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3965-3973.	2.9	11
124	Biomedical wireless radar sensor network for indoor emergency situations detection and vital signs monitoring. , 2016, , .		8
125	New Methods for Series-Resistor Calibrations on Substrates With Losses Up to 110 GHz. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4287-4297.	2.9	11
126	Impact of microwave measurement uncertainty on the Nonlinear Embedding procedure. , 2016, , .		1



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127	Dynamic-Bias S-Parameters: A New Measurement Technique for Microwave Transistors. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3946-3955.	2.9	18
128	Radar range improvement using gradient-free optimization for health care applications. , 2016, , .		3
129	Iso-thermal and iso-dynamic direct charge function characterization of GaN FET with single large-signal measurement. , 2016, , .		2
130	The large world of FET small-signal equivalent circuits (invited paper). International Journal of RF and Microwave Computer-Aided Engineering, 2016, 26, 749-762.	0.8	43
131	Temperature Influence on GaN HEMT Equivalent Circuit. IEEE Microwave and Wireless Components Letters, 2016, 26, 813-815.	2.0	61
132	Large signal rectifier characterization for simultaneous data and Power Transfer. , 2016, , .		6
133	Dynamic Constraints for Large-Signal Measurements on Arbitrary Grids. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3956-3964.	2.9	2
134	Maximizing the benefit of existing equipment for nonlinear and communication measurements. , 2016, , .		7
135	A nonlinear verification device for nonlinear vector network analyzers. , 2016, , .		1
136	A Three-Port Nonlinear Dynamic Behavioral Model for Supply-Modulated RF PAs. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 133-147.	2.9	15
137	Comparing LSNA Calibrations: Large-Signal Network Analyzer Round Robin. IEEE Microwave Magazine, 2016, 17, 59-64.	0.7	4
138	Design and analysis of a verification device for the nonlinear vector network analyzer. , 2015, , .		3
139	Neural network modelling of GaAs pHEMTs suitable for millimeter-wave mixer design. , 2015, , .		1
140	An empirical behavioral model for RF PAs including self-heating. , 2015, , .		3
141	Hybrid load-pull system using a two-source nonlinear vector network analyzer. , 2015, , .		1
142	A compact measurement set-up for envelope-tracking RF PAs with calibrated sensing of baseband V/I at the supply terminal. , 2015, , .		6
143	Adaptive sampling method for experiments with fixed-grid variables in measurements of nonlinear active devices. , 2015, , .		0
144	Efficient behavioral model extraction of nonlinear active devices using adaptive sampling with compact nonlinearity measure. , 2015, , .		3

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145	Modeling of Deterministic Output Emissions of Power Amplifiers Into Adjacent Receive Bands. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1250-1262.	2.9	7
146	Active baseband drain-supply terminal load-pull of an X-band GaN MMIC PA. , 2015, , .		0
147	Active baseband drain-supply terminal load-pull of an X-band GaN MMIC PA. , 2015, , .		2
148	A Non-Quasi-Static FET Model Extraction Procedure Using the Dynamic-Bias Technique. IEEE Microwave and Wireless Components Letters, 2015, 25, 841-843.	2.0	9
149	Amplitude and frequency analysis of multi-sine wireless power transfer. , 2015, , .		14
150	Concurrent surrogate modeling and adaptive sampling in load-pull measurements. , 2015, , .		0
151	Large-signal modeling of on-wafer microwave transistors based on response surface methodology. , 2015, , .		2
152	IEEE MTT-S International Microwave and RF Conference (IMaRC2014) [Conference Report]. IEEE Microwave Magazine, 2015, 16, 116-118.	0.7	0
153	Contactless medical sensing. , 2015, , .		9
154	Multi-bias nonlinear characterization of GaN FET trapping effects through a multiple pulse time domain network analyzer. , 2015, , .		10
155	Embedded DSP-Based Telehealth Radar System for Remote In-Door Fall Detection. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 92-101.	3.9	78
156	A Novel Doherty Transmitter Based on Antenna Active Load Modulation. IEEE Microwave and Wireless Components Letters, 2015, 25, 271-273.	2.0	13
157	Specific Absorption Rate (SAR) Evaluation of Textile Antennas. IEEE Antennas and Propagation Magazine, 2015, 57, 229-240.	1.2	49
158	Application of Radar to Remote Patient Monitoring and Eldercare. IET Radar, Sonar and Navigation, 2015, 9, 115-115.	0.9	19
159	Sensitivity Analysis of Broadband On-Wafer Dielectric Spectroscopy of Yeast Cell Suspensions up to 110 GHz. IEEE Microwave and Wireless Components Letters, 2015, 25, 199-201.	2.0	15
160	Dual-mode wireless sensor network for real-time contactless in-door health monitoring. , 2015, , .		7
161	Design of efficient rectifier for low-power wireless energy harvesting at 2.45 GHz. , 2015, , .		15
162	Evaluation of Uncertainty in Temporal Waveforms of Microwave Transistors. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2353-2363.	2.9	26

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163	Hybrid Nonlinear Modeling Using Adaptive Sampling. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 4501-4510.	2.9	6
164	Compact Behavioral Models of Nonlinear Active Devices Using Response Surface Methodology. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 56-64.	2.9	51
165	Neural approach for temperature-dependent modeling of GaN HEMTs. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2015, 28, 359-370.	1.2	67
166	1.3 GHz power amplifier design using a measurement-based transistor package model. , 2014, , .		0
167	GaN HEMT model extraction based on dynamic-bias measurements. , 2014, , .		2
168	Nonlinear behavioral models of HEMTs using response surface methodology. , 2014, , .		4
169	Systematic procedure for load-pull X-parameters measurements for high-efficiency GaN HEMT PA design. , 2014, , .		7
170	Evaluation of GaN FET power performance reduction due to nonlinear charge trapping effects. , 2014, , .		2
171	Mixer-like modeling with dynamic baseband characterization for supply-modulated PAs. , 2014, , .		0
172	Small-Versus Large-Signal Extraction of Charge Models of Microwave FETs. IEEE Microwave and Wireless Components Letters, 2014, 24, 394-396.	2.0	12
173	Generic high-frequency small-signal look-up table model extraction for SiGe heterojunction bipolar transistors. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2014, 27, 923-934.	1.2	0
174	Straightforward modeling of dynamic I-V characteristics for microwave FETs. International Journal of RF and Microwave Computer-Aided Engineering, 2014, 24, 109-116.	0.8	7
175	General method of seven-term statistical calibration with partially defined standards. , 2014, , .		2
176	Microwave neural modeling for silicon FinFET varactors. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2014, 27, 834-845.	1.2	6
177	Nonlinear characterization of microwave power amplifiers with supply modulation. , 2014, , .		3
178	Mixer-like modeling with dynamic baseband characterization for supply-modulated PAs. , 2014, , .		5
179	Characterization of Intermodulation and Memory Effects Using Offset Multisine Excitation. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 645-657.	2.9	17
180	GaN FET Nonlinear Modeling Based on Double Pulse <math>I_{eff}</math> Characteristics. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3262-3273.	2.9	31

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181	Guest editorial for the special issue on modeling of high-frequency silicon transistors. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2014, 27, 703-706.	1.2	0
182	Thermal characterization of nonlinear charge trapping effects in GaN-FETs. , 2014, , .		1
183	A Double-Pulse Technique for the Dynamic I/V Characterization of GaN FETs. IEEE Microwave and Wireless Components Letters, 2014, 24, 132-134.	2.0	66
184	Optimization of a next-generation comb generator for accurate large-signal measurements on a user-defined frequency grid. , 2014, , .		2
185	Implementation of a Project-Based Telecommunications Engineering Design Course. IEEE Transactions on Education, 2014, 57, 25-33.	2.0	18
186	Efficient Generation of $\langle \text{formula formulatype="inline"} \rangle \langle \text{tex Notation="TeX"} \rangle \{mX\} \langle /tex \rangle \langle /formula \rangle$ -Parameters Transistor Models by Sequential Sampling. IEEE Microwave and Wireless Components Letters, 2014, 24, 530-532.	2.0	7
187	Millimeter-Wave FET Nonlinear Modelling Based on the Dynamic-Bias Measurement Technique. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2526-2537.	2.9	29
188	A neural network approach for nonlinear modelling of LDMOSFETs. , 2014, , .		2
189	An Extensive Experimental Analysis of the Kink Effects in $\{ S \}_{22}$ and $\{ h \}_{21}$ for a GaN HEMT. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 513-520.	2.9	61
190	Pulsed NVNA measurements for dynamic characterization of RF PAs. , 2014, , .		3
191	Analysis of an Indoor Biomedical Radar-Based System for Health Monitoring. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 2061-2068.	2.9	147
192	Design and evaluation of dual-band antennas aimed for contactless health monitoring radar. , 2013, , .		1
193	Efficient Dithering Technique With Periodic Waveforms for RF Test and Characterization. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3998-4007.	2.9	3
194	A practical distance measurement improvement technique for a SFCW-based health monitoring radar. , 2013, , .		3
195	A smart wearable textile array system for biomedical telemetry applications. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 2253-2261.	2.9	64
196	Microwave FET model identification based on vector intermodulation measurements. , 2013, , .		1
197	Behavioral modeling approach for array of amplifiers in active antenna array system. , 2013, , .		1
198	Optimized SFCW radar sensor aiming at fall detection in a real room environment. , 2013, , .		18

#	ARTICLE	IF	CITATIONS
199	Radar-Based Health Monitoring. , 2013, , .		16
200	Modelling insight into the resonance frequencies of the microwave impedance parameters for GaAs HEMTs. , 2013, , .		1
201	Artificial neural network modeling for transistors and varactors in FinFET technology. , 2013, , .		1
202	The MTT-S MGA and Education Committees Are Prepared to Assist Your Chapter, the Moscow Joint Chapter Activity Is an Example [Education News]. IEEE Microwave Magazine, 2013, 14, 165-178.	0.7	0
203	A system-level simulator for indoor mmW SAR imaging and its applications. Optics Express, 2012, 20, 23811.	1.7	24
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