Yves Rolain

List of Publications by Year
in descending order

173 papers	3,295 citations	201674 27 h-index	189892 50 g-index
174 all docs	174 docs citations	174 times ranked	1654 citing authors

#	Article	IF	Citations
1	Parametric identification of transfer functions in the frequency domain-a survey. IEEE Transactions on Automatic Control, 1994, 39, 2245-2260.	5.7	435
2	Identification of linear systems with nonlinear distortions. Automatica, 2005, 41, 491-504.	5.0	185
3	Low-Area Active-Feedback Low-Noise Amplifier Design in Scaled Digital CMOS. IEEE Journal of Solid-State Circuits, 2008, 43, 2422-2433.	5.4	155
4	A large-signal network analyzer: Why is it needed?. IEEE Microwave Magazine, 2006, 7, 46-62.	0.8	125
5	Fast approximate identification of nonlinear systems. Automatica, 2003, 39, 1267-1274.	5.0	100
6	A 52 GHz Phased-Array Receiver Front-End in 90 nm Digital CMOS. IEEE Journal of Solid-State Circuits, 2008, 43, 2651-2659.	5.4	89
7	Frequency response function measurements in the presence of nonlinear distortions. Automatica, 2001, 37, 939-946.	5.0	83
8	Analysis of windowing/leakage effects in frequency response function measurements. Automatica, 2006, 42, 27-38.	5.0	71
9	Best conditioned parametric identification of transfer function models in the frequency domain. IEEE Transactions on Automatic Control, 1995, 40, 1954-1960.	5.7	64
10	Fully automated spectral analysis of periodic signals. IEEE Transactions on Instrumentation and Measurement, 2003, 52, 1021-1024.	4.7	59
11	Experimental Characterization of Operational Amplifiers: A System Identification Approachâ€" Part I: Theory and Simulations. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 854-862.	4.7	57
12	Identification of Wienerâ€"Hammerstein systems by a nonparametric separation of the best linear approximation. Automatica, 2014, 50, 628-634.	5.0	55
13	Parametric Identification of Parallel Hammerstein Systems. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 3931-3938.	4.7	51
14	Improved (non-)parametric identification of dynamic systems excited by periodic signalsâ€"The multivariate case. Mechanical Systems and Signal Processing, 2011, 25, 2892-2922.	8.0	50
15	Towards an ideal data acquisition channel. IEEE Transactions on Instrumentation and Measurement, 1990, 39, 116-120.	4.7	45
16	Boxâ€"Jenkins continuous-time modeling. Automatica, 2000, 36, 983-991.	5.0	44
17	Multirate Cascaded Discrete-Time Low-Pass Î”Î£ Modulator for GSM/Bluetooth/UMTS. IEEE Journal of Solid-State Circuits, 2010, 45, 1198-1208.	5.4	43
18	Non-parametric Estimation of the Frequency-response Functions of the Linear Blocks of a Wiener-Hammerstein Model**The original version of this paper was presented at the 13th IFAC World Congress, which was held in San Francisco, CA during 30 June-5 July 1996. The Published Proceedings of this IFAC Meeting may be ordered from: Elsevier Science Limited, The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, U.K. This paper was recommended for publication in revised form by Associate Editor J. Bokor under t. Automatica, 1997, 33, 1351-1355.	5.0	40

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19	An identification technique for data acquisition characterization in the presence of nonlinear distortions and time base distortions. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 1355-1363.	4.7	39
20	Analyses, Development, and Applications of TLS Algorithms in Frequency Domain System Identification. SIAM Journal on Matrix Analysis and Applications, 1998, 19, 983-1004.	1.4	38
21	A fifth-order 880MHz/1.76GHz active lowpass filter for 60GHz communications in 40nm digital CMOS. , 2010, , .		35
22	Identification of Young's modulus from broadband modal analysis experiments. Mechanical Systems and Signal Processing, 2004, 18, 699-726.	8.0	34
23	Identification of a Block-Structured Nonlinear Feedback System, Applied to a Microwave Crystal Detector. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 1734-1740.	4.7	34
24	Order estimation for linear time-invariant systems using frequency domain identification methods. IEEE Transactions on Automatic Control, 1997, 42, 1408-1417.	5.7	32
25	Identification of linear systems in the presence of nonlinear distortions. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 855-863.	4.7	32
26	Parametric identification of parallel Wienerâ€“Hammerstein systems. Automatica, 2015, 51, 111-122.	5.0	32
27	Box-Jenkins identification revisitedâ€”Part II: Applications. Automatica, 2006, 42, 77-84.	5.0	31
28	Design of stable IIR filters in the complex domain by automatic delay selection. IEEE Transactions on Signal Processing, 1996, 44, 2339-2344.	5.3	30
29	Leakage Reduction in Frequency-Response Function Measurements. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 2286-2291.	4.7	30
30	Identification of linear systems captured in a feedback loop. IEEE Transactions on Instrumentation and Measurement, 1992, 41, 747-754.	4.7	29
31	A methodology for efficient high-level dataflow simulation of mixed-signal front-ends of digital telecom transceivers. , 2000, , .		29
32	Parametric Identification of Parallel Wiener Systems. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 2825-2832.	4.7	28
33	Structure discrimination in block-oriented models using linear approximations: A theoretic framework. Automatica, 2015, 53, 225-234.	5.0	28
34	Numerically robust transfer function modeling from noisy frequency domain data. IEEE Transactions on Automatic Control, 2005, 50, 1835-1839.	5.7	27
35	A Fully Integrated 7.3 kV HBM ESD-Protected Transformer-Based 4.5â€“6 GHz CMOS LNA. IEEE Journal of Solid-State Circuits, 2009, 44, 344-353.	5.4	27
36	Experimental characterization of the nonlinear behavior of RF amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 3209-3218.	4.6	25

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37	Frequency Response Function Measurements Using Concatenated Subrecords With Arbitrary Length. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 2682-2688.	4.7	25
38	Study of conditional ML estimators in time and frequency-domain system identification. Automatica, 1999, 35, 91-100.	5.0	23
39	Experimental Characterization of Operational Amplifiers: A System Identification Approachâ€" Part II: Calibration and Measurements. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 863-876.	4.7	23
40	Noise figure measurements on nonlinear devices. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 971-975.	4.7	22
41	Bounding the Polynomial Approximation Errors of Frequency Response Functions. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 1346-1353.	4.7	22
42	Design of Quasi-Logarithmic Multisine Excitations for Robust Broad Frequency Band Measurements. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 1364-1372.	4.7	22
43	Complex correction of data acquisition channels using FIR equalizer filters. IEEE Transactions on Instrumentation and Measurement, 1993, 42, 920-924.	4.7	20
44	Time series analysis in the frequency domain. IEEE Transactions on Signal Processing, 1999, 47, 206-210.	5.3	20
45	Static nonlinearity testing of digital-to-analog converters. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 1283-1288.	4.7	20
46	An automatic harmonic selection scheme for measurements and calibration with the nonlinear vectorial network analyzer. IEEE Transactions on Instrumentation and Measurement, 2002, 51, 337-341.	4.7	20
47	Modified AIC rule for model selection in combination with prior estimated noise models. Automatica, 2002, 38, 903-906.	5.0	20
48	Model-Driven Design of Microwave Filters Based on Scalable Circuit Models. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 4390-4396.	4.6	20
49	Another step towards an ideal data acquisition channel. IEEE Transactions on Instrumentation and Measurement, 1991, 40, 659-660.	4.7	19
50	Modeling of Substrate Noise Generation, Isolation, and Impact for an LC-VCO and a Digital Modem on a Lightly-Doped Substrate. IEEE Journal of Solid-State Circuits, 2006, 41, 2040-2051.	5.4	19
51	Identifying the Structure of Nonlinear Perturbations in Mixers using Multisine Signals. IEEE Instrumentation and Measurement Magazine, 2007, 10, 32-39.	1.6	19
52	A 0.5 mm^{2} Power-Scalable 0.5â€"3.8-GHz CMOS DT-SDR Receiver With Second-Order RF Band-Pass Sampler. IEEE Journal of Solid-State Circuits, 2010, , .	5.4	18
53	Cross-term Elimination in Parallel Wiener Systems Using a Linear Input Transformation. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 845-847.	4.7	18
54	Measurement-based nonlinear modeling of spectral regrowth. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 1711-1716.	4.7	16

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55	Fast identification of Wienerâ€Hammerstein systems using discrete optimisation. Electronics Letters, 2014, 50, 1942-1944.	1.0	16
56	Uncertainty of transfer function modelling using prior estimated noise models. Automatica, 2003, 39, 1721-1733.	5.0	15
57	Nonlinearity Analysis of Analog/RF Circuits Using Combined Multisine and Volterra Analysis. , 2007, , .		15
58	Variance Weighted Vector Fitting for Noisy Frequency Responses. IEEE Microwave and Wireless Components Letters, 2010, 20, 187-189.	3.2	15
59	Design of narrowband, high-resolution multisines. IEEE Transactions on Instrumentation and Measurement, 1996, 45, 750-753.	4.7	14
60	Generating robust starting values for frequency-domain transfer function estimation. Automatica, 1999, 35, 965-972.	5.0	14
61	Identification of invariants of (over)parameterized models: finite sample results. IEEE Transactions on Automatic Control, 1999, 44, 1073-1077.	5.7	14
62	SIMPLE METHODS AND INSIGHTS TO DEAL WITH NON-LINEAR DISTORTIONS IN FRF-MEASUREMENTS. Mechanical Systems and Signal Processing, 2000, 14, 657-666.	8.0	14
63	Why are Nonlinear Microwave Systems Measurements so Involved?. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 726-729.	4.7	14
64	Substrate Noise Coupling Mechanisms in Lightly Doped CMOS Transistors. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 1727-1733.	4.7	14
65	On the use of system identification for accurate parametric modeling of nonlinear systems using noisy measurements. IEEE Transactions on Instrumentation and Measurement, 1996, 45, 605-609.	4.7	13
66	Calibration of a Wideband IF Nonlinear Vectorial Network Analyser. , 1999, , .		13
67	Frequency-domain Approach to Continuous-time System Identification: Some Practical Aspects. Advances in Industrial Control, 2008, , 215-248.	0.5	13
68	Exploiting the Phantom-Mode Signal in DSL Applications. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 896-902.	4.7	13
69	A local identification method for linear parameter-varying systems based on interpolation of state-space matrices and least-squares approximation. Mechanical Systems and Signal Processing, 2017, 82, 478-489.	8.0	13
70	Minimum variance bounds for overparameterized models. IEEE Transactions on Automatic Control, 1996, 41, 719-720.	5.7	12
71	IDENTIFICATION OF ROTOR-BEARING SYSTEMS IN THE FREQUENCY DOMAIN PART I: ESTIMATION OF FREQUENCY RESPONSE FUNCTIONS. Mechanical Systems and Signal Processing, 2001, 15, 759-773.	8.0	12
72	System Identification Approach Applied to Jitter Estimation. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2006, , .	0.0	12

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73	Study of the effective number of parameters in nonlinear identification benchmarks. , 2013, , .		12
74	A measurement-based error-vector-magnitude model to assess non linearity at the system level. , 2017, , .		12
75	Discussion on fundamental issues of NPR measurements. IEEE Transactions on Instrumentation and Measurement, 2003, 52, 197-202.	4.7	11
76	Boxâ€“Jenkins alike identification using nonparametric noise modelsâ˜†. Automatica, 2004, 40, 2083-2089.	5.0	11
77	Experimental Analysis of the Coupling Mechanisms Between a 4 GHz PPA and a 5â€“7 GHz LC-VCO. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 2706-2713.	4.7	11
78	Large-Signal Network Analysis Including the Baseband. IEEE Microwave Magazine, 2011, 12, 77-86.	0.8	11
79	IDENTIFICATION OF ROTOR-BEARING SYSTEMS IN THE FREQUENCY DOMAIN PART II: ESTIMATION OF MODAL PARAMETERS. Mechanical Systems and Signal Processing, 2001, 15, 775-788.	8.0	10
80	Design and analysis of inductors for 60 GHz applications in a digital CMOS technology. , 2007, , .		10
81	A reference signal for a dense frequency grid phase calibration. , 2008, , .		10
82	Efficient and automated generation of multidimensional design curves for coupled-resonator filters using system identification and metamodels. , 2016, , .		10
83	Distortion Contribution Analysis With the Best Linear Approximation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 4133-4146.	5.4	10
84	Determining the Reciprocity of Mixers Through Three-Port Large Signal Network Analyzer Measurements. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 2051-2056.	4.7	9
85	Best Linear Approximation: Revisited. , 2009, , .		9
86	An Improved Broadband Conversion Scheme for the Large-Signal Network Analyzer. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 483-487.	4.7	9
87	A 0.045mm² 0.1–6GHz reconfigurable multi-band, multi-gain LNA for SDR. , 2010, , .		9
88	A Tensor-Based Extension for the Multi-Line TRL Calibration. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 2121-2128.	4.6	9
89	Accurate estimation of the non-parametric FRF of lightly-damped mechanical systems using arbitrary excitations. Mechanical Systems and Signal Processing, 2019, 130, 545-564.	8.0	9
90	Understanding the Nonlinearity of a Mixer Using Multisine Excitations. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2006, , .	0.0	8

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91	A multirate 3.4-to-6.8mW 85-to-66dB DR GSM/bluetooth/UMTS cascade DT ΔΣM in 90nm digital CMOS. , 2009, , .		8
92	An improved sliding-load calibration procedure using a semiparametric circle-fitting procedure. IEEE Transactions on Microwave Theory and Techniques, 1997, 45, 1027-1033.	4.6	7
93	Enhanced Time Base Jitter Compensation of Sine Waves. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	7
94	Design and characterization of an RF pulse train generator for large-signal analysis. Measurement Science and Technology, 2009, 20, 025106.	2.6	7
95	A Methodology to Predict the Impact of Substrate Noise in Analog/RF Systems. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2009, 28, 1613-1626.	2.7	7
96	Quasi-logarithmic multisine excitations for broad frequency band measurements. , 2012, , .		7
97	Study of the influence of clock instabilities in synchronized data acquisition systems. IEEE Transactions on Instrumentation and Measurement, 1996, 45, 601-604.	4.7	6
98	Fine frequency grid phase calibration setup for the Large Signal Network Analyzer. , 2006, , .		6
99	Designing power amplifiers? Use good excitation signals. , 2006, , .		6
100	Finding the dominant source of distortion in two-stage op-amps. Analog Integrated Circuits and Signal Processing, 2014, 78, 153-163.	1.4	6
101	Linking regularization and low-rank approximation for impulse response modeling. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 4999-5004.	0.4	6
102	Measuring mixed-signal substrate coupling. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 959-964.	4.7	5
103	Validation of a crystal detector model for the calibration of the Large Signal Network Analyzer. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	5
104	Extending the Best Linear Approximation for Frequency Translating Systems: The Best Mixer Approximation. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	5
105	On the use of a crystal detector for a phase calibration of the large signal network analyzer. Measurement Science and Technology, 2008, 19, 085104.	2.6	5
106	Upper Bounding Variations of Best Linear Approximations of Nonlinear Systems in Power Sweep Measurements. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 1141-1148.	4.7	5
107	Parametric MIMO parallel Wiener identification. , 2011, , .		5
108	Binder Identification by Means of Phantom Measurements. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 1967-1975.	4.7	5

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109	Measuring the Sensitivity of Microwave Components to Bias Variations. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 787-791.	4.7	4
110	Parametric modeling of the coupling parameters of planar coupled-resonator microwave filters. , 2015, , .		4
111	Wiener-Hammerstein systems and harmonic identification. , 2015, , .		4
112	Independent scaling of a delay in frequency-domain system identification. IEEE Transactions on Instrumentation and Measurement, 1998, 47, 327-331.	4.7	3
113	Estimating Parameterized Scalable Models From the Best Linear Approximation of Nonlinear Systems for Accurate High-Level Simulations. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 1186-1191.	4.7	3
114	Fast Measurement of Quantization Distortions in DSP Algorithms. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 1917-1923.	4.7	3
115	Estimation and Validation of Semiparametric Dynamic Nonlinear Models. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 395-400.	4.7	3
116	Multisine Calibration for Large-Signal Broadband Measurements. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 1478-1483.	4.7	3
117	Modeling the Series Impedance of a Quad Cable for Common-Mode DSL Applications. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 259-265.	4.7	3
118	Extending the Best Linear Approximation to Characterize the Nonlinear Distortion in GaN HEMTs. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 3087-3094.	4.6	3
119	Determining the dominant nonlinear contributions in a multistage op-amp in a feedback configuration. , 2012, , .		3
120	Microwave filter design based on coupling topologies with multiple solutions. , 2015, , .		3
121	Identifying Multiple Reflections in Distributed-Lumped High-Frequency Structures. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 1306-1312.	4.6	3
122	Amplitude-only versus amplitude-phase estimation. IEEE Transactions on Instrumentation and Measurement, 1990, 39, 818-823.	4.7	2
123	Modeling in the presence of switching uncertainties. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 1103-1108.	4.7	2
124	System Identification Approach Applied to Drift Estimation. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	2
125	A Multisine based Calibration for Broadband Measurements. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	2
126	On Peculiarities of S-Parameter Measurements. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 1967-1972.	4.7	2

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127	An Automatic, Statistical-based Detection of Outliers in an Inter-laboratory Comparison of Nonlinear Measurements. , 2008, , .		2
128	Modeling of linear parameter-varying systems using interpolation of root macromodels and scaling coefficients. Mechanical Systems and Signal Processing, 2015, 60-61, 836-852.	8.0	2
129	Multi-line TRL revisited. , 2015, , .		2
130	Adaptive Excitation Signals for Low-Frequency Forced Oscillation Technique Measurements in Patients. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	2
131	Forced Oscillation Technique Measurement Apparatus Using Fan-Speaker Hybrid. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	4.7	2
132	Design and implementation of a fast logarithmic stepped sine for a fixed rate digital network analyzer. IEEE Transactions on Instrumentation and Measurement, 1990, 39, 151-156.	4.7	1
133	<title>Designing enhanced maintainability fiber-optic networks</title>. , 1991, 1572, 107.		1
134	Auto-consistent environment for measurement software development. IEEE Transactions on Instrumentation and Measurement, 1997, 46, 742-746.	4.7	1
135	A controllable phase coherent pulsed RF signal generator for microwave network analyzer measurements. IEEE Transactions on Microwave Theory and Techniques, 1999, 47, 2605-2612.	4.6	1
136	Broadband high-frequency hybrid. IEEE Transactions on Instrumentation and Measurement, 2002, 51, 1204-1209.	4.7	1
137	Block-Oriented Instrument Software Design. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 830-838.	4.7	1
138	Understanding the nonlinearitY of a mixer using multisine excitations. , 2006, , .		1
139	Measuring the Response of a Voltage Controlled Oscillator using the Large-Signal Network Analyser. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	1
140	A low-power 6.3 GHz FBAR overtone-based oscillator in 90 nm CMOS technology. , 2007, , .		1
141	</title> </titles> <publication_date> <month>06</month> <year>2007</year> </publication_date> <pages> <first_page>679</first_page> <last_page>680</last_page> </pages> <publisher_item> <item_number item_number_type='arNumber'>4200994</item_number> </publisher_item> <doi_data> <doi>10.1109/TIM.2007.895578</doi> <resource>http://ieeexplore.ieee.org/lpdocs/epic03/wrapper.htm?arnumber=4200994</resource> </doi_data> </journal_article> <journal_article> <titles> <title><![CDATA[Measuring Nonlinear Diffe	4.7	1
142	Analysis and Modelling of Mixed-Data Systems with Frequency Translation using Multisine Excitations. , 2008, , .		1
143	Baseband identification and RF validation of a nonlinear feedback model for a crystal detector. , 2009, , .		1
144	Time domain model validation of a nonlinear block-oriented structure. Measurement Science and Technology, 2009, 20, 105106.	2.6	1

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145	Using ANOVA in a Microwave Round-Robin Comparison. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 3490-3498.	4.7	1
146	Modeling the baseband output envelope of a Microwave detector. , 2009, , .		1
147	A Compact low power SDR receiver with 0.5–20MHz baseband sampled filter. , 2009, , .		1
148	Measuring the out-of-band best linear approximation. Measurement Science and Technology, 2010, 21, 015102.	2.6	1
149	A high-speed on-chip pseudo-random binary sequence generator for multi-tone phase calibration. Measurement Science and Technology, 2011, 22, 075901.	2.6	1
150	Common-denominator modelling for stability analysis of electronic circuits. , 2016, , .		1
151	Experimentally driven demystification of system identification for nonlinear mechanical systems. IEEE Instrumentation and Measurement Magazine, 2018, 21, 16-25.	1.6	1
152	Precompensation of Supply Dynamics of Dynamic Power Supply Transmitters Using a Linear Parameter-Varying Model. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 278-287.	4.6	1
153	An equivalent circuit model for wideâ€band analysis of defected ground structures with asymmetric slot and multiple slots. Microwave and Optical Technology Letters, 2021, 63, 126-132.	1.4	1
154	Non-Invasive Dual-Probe Time Domain Measurements of Incident and Reflected Waves on High-speed Digital Chip Interconnects. , 1997, , .		0
155	Measurements of harmonic distortion produced by a saturated optical amplifier with a nonlinear microwave network analyzer. IEEE Transactions on Instrumentation and Measurement, 1998, 47, 1300-1306.	4.7	0
156	Caching in dataflow-based environments. IEEE Instrumentation and Measurement Magazine, 1999, 2, 33-37.	1.6	0
157	Modeling and validation of the parameters of a quad cable for common mode DSL applications. , 2008, , .		0
158	Using ANOVA in a Microwave Round-Robin Comparison. , 2008, , .		0
159	Introducing the Power-Scalable Best Mixer Approximation. , 2008, , .		0
160	Measuring the response of a voltage-controlled oscillator using the large-signal network analyser. Measurement Science and Technology, 2008, 19, 095101.	2.6	0
161	Nonlinear Distortion Measurements of Discrete-Time Radio Receivers. , 2008, , .		0
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163	Measuring source-pull free nonlinear distortions: a multisine approach. Measurement Science and Technology, 2009, 20, 125104.	2.6	0
164	A power-scalable linearized model for RF power amplifiers starting from S-parameter measurements. , 2009, , .		0
165	On the efficiency loss of the local polynomial method for single experiment MIMO frequency response matrix extraction. , 2011, , .		0
166	Noise temperature of an electronic tuner for noise parameter measurement systems. , 2012, , .		0
167	Vector network analysis for nonlinear systems. , 0, , 309-344.		0
168	Macromodeling of narrow-band bandpass filters based on interpolation of coupling matrices. , 2014, , .		0
169	A local approach for the modeling of linear parameter-varying systems based on transfer function interpolation with scaling coefficients. , 2015, , .		0
170	Scalable macromodelling methodology for the efficient design of microwave filters. IET Microwaves, Antennas and Propagation, 2016, 10, 579-586.	1.4	0
171	An adaptive modeling method for the calibration of passive tuners. , 2018, , .		0
172	A Unified, Wave-Based Calibration Framework for Vector Network Analyzers. , 2018, , .		0
173	Measurement & Extraction of the Low-Frequency Dynamics of an Envelope Tracking Amplifier using Multisine Excitations. , 2018, , .		0