

# Yves Rolain

## List of Publications by Year in descending order

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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	Forced Oscillation Technique Measurement Apparatus Using Fan-Speaker Hybrid. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	4.7	2
2	An equivalent circuit model for wideband analysis of defected ground structures with asymmetric slot and multiple slots. Microwave and Optical Technology Letters, 2021, 63, 126-132.	1.4	1
3	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
4	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
5	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
6	An adaptive modeling method for the calibration of passive tuners. , 2018, , .		0
7	A Unified, Wave-Based Calibration Framework for Vector Network Analyzers. , 2018, , .		0
8	Experimentally driven demystification of system identification for nonlinear mechanical systems. IEEE Instrumentation and Measurement Magazine, 2018, 21, 16-25.	1.6	1
9	Measurement & Extraction of the Low-Frequency Dynamics of an Envelope Tracking Amplifier using Multisine Excitations. , 2018, , .		0
10	Distortion Contribution Analysis With the Best Linear Approximation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 4133-4146.	5.4	10
11	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
12	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
13	A measurement-based error-vector-magnitude model to assess non linearity at the system level. , 2017, , .		12
14	Scalable macromodelling methodology for the efficient design of microwave filters. IET Microwaves, Antennas and Propagation, 2016, 10, 579-586.	1.4	0
15	Common-denominator modelling for stability analysis of electronic circuits. , 2016, , .		1
16	Efficient and automated generation of multidimensional design curves for coupled-resonator filters using system identification and metamodels. , 2016, , .		10
17	A Tensor-Based Extension for the Multi-Line TRL Calibration. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 2121-2128.	4.6	9
18	Identifying Multiple Reflections in Distributed-Lumped High-Frequency Structures. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 1306-1312.	4.6	3

#	ARTICLE	IF	CITATIONS
19	Parametric modeling of the coupling parameters of planar coupled-resonator microwave filters. , 2015, , .		4
20	Wiener-Hammerstein systems and harmonic identification. , 2015, , .		4
21	A local approach for the modeling of linear parameter-varying systems based on transfer function interpolation with scaling coefficients. , 2015, , .		0
22	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
23	Structure discrimination in block-oriented models using linear approximations: A theoretic framework. Automatica, 2015, 53, 225-234.	5.0	28
24	Multi-line TRL revisited. , 2015, , .		2
25	Microwave filter design based on coupling topologies with multiple solutions. , 2015, , .		3
26	Parametric identification of parallel Wiener-Hammerstein systems. Automatica, 2015, 51, 111-122.	5.0	32
27	Fast identification of Wiener-Hammerstein systems using discrete optimisation. Electronics Letters, 2014, 50, 1942-1944.	1.0	16
28	Macromodeling of narrow-band bandpass filters based on interpolation of coupling matrices. , 2014, , .		0
29	Finding the dominant source of distortion in two-stage op-amps. Analog Integrated Circuits and Signal Processing, 2014, 78, 153-163.	1.4	6
30	Identification of Wiener-Hammerstein systems by a nonparametric separation of the best linear approximation. Automatica, 2014, 50, 628-634.	5.0	55
31	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
32	Bounding the Polynomial Approximation Errors of Frequency Response Functions. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 1346-1353.	4.7	22
33	Study of the effective number of parameters in nonlinear identification benchmarks. , 2013, , .		12
34	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
35	Frequency Response Function Measurements Using Concatenated Subrecords With Arbitrary Length. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 2682-2688.	4.7	25
36	Parametric Identification of Parallel Wiener Systems. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 2825-2832.	4.7	28

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37	Determining the dominant nonlinear contributions in a multistage op-amp in a feedback configuration. , 2012, , .		3
38	Quasi-logarithmic multisine excitations for broad frequency band measurements. , 2012, , .		7
39	Noise temperature of an electronic tuner for noise parameter measurement systems. , 2012, , .		0
40	Exploiting the Phantom-Mode Signal in DSL Applications. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 896-902.	4.7	13
41	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
42	Large-Signal Network Analysis Including the Baseband. IEEE Microwave Magazine, 2011, 12, 77-86.	0.8	11
43	Parametric MIMO parallel Wiener identification. , 2011, , .		5
44	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
45	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
46	Binder Identification by Means of Phantom Measurements. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 1967-1975.	4.7	5
47	Parametric Identification of Parallel Hammerstein Systems. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 3931-3938.	4.7	51
48	On the efficiency loss of the local polynomial method for single experiment MIMO frequency response matrix extraction. , 2011, , .		0
49	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
50	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
51	Substrate Noise Coupling Mechanisms in Lightly Doped CMOS Transistors. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 1727-1733.	4.7	14
52	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
53	Measuring the out-of-band best linear approximation. Measurement Science and Technology, 2010, 21, 015102.	2.6	1
54	A fifth-order 880MHz/1.76GHz active lowpass filter for 60GHz communications in 40nm digital CMOS. , 2010, , .		35

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55	Multirate Cascaded Discrete-Time Low-Pass $\hat{H}(z)$ Modulator for GSM/Bluetooth/UMTS. IEEE Journal of Solid-State Circuits, 2010, 45, 1198-1208.	5.4	43
56	A 0.5 mm <sup>2</sup> Power-Scalable 0.5–3.8-GHz CMOS DT-SDR Receiver With Second-Order RF Band-Pass Sampler. IEEE Journal of Solid-State Circuits, 2010, , .	5.4	18
57	A 0.045mm <sup>2</sup> 0.1–6GHz reconfigurable multi-band, multi-gain LNA for SDR. , 2010, , .		9
58	Variance Weighted Vector Fitting for Noisy Frequency Responses. IEEE Microwave and Wireless Components Letters, 2010, 20, 187-189.	3.2	15
59	Best Linear Approximation: Revisited. , 2009, , .		9
60	Wave distortion in multiplying, switching or sampling mixers. , 2009, , .		0
61	Baseband identification and RF validation of a nonlinear feedback model for a crystal detector. , 2009, , .		1
62	Measuring source-pull free nonlinear distortions: a multisine approach. Measurement Science and Technology, 2009, 20, 125104.	2.6	0
63	Design and characterization of an RF pulse train generator for large-signal analysis. Measurement Science and Technology, 2009, 20, 025106.	2.6	7
64	Time domain model validation of a nonlinear block-oriented structure. Measurement Science and Technology, 2009, 20, 105106.	2.6	1
65	An Improved Broadband Conversion Scheme for the Large-Signal Network Analyzer. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 483-487.	4.7	9
66	Experimental Analysis of the Coupling Mechanisms Between a 4 GHz PPA and a 5–7 GHz LC-VCO. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 2706-2713.	4.7	11
67	Using ANOVA in a Microwave Round-Robin Comparison. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 3490-3498.	4.7	1
68	A Fully Integrated 7.3 kV HBM ESD-Protected Transformer-Based 4.5–6 GHz CMOS LNA. IEEE Journal of Solid-State Circuits, 2009, 44, 344-353.	5.4	27
69	Modeling the baseband output envelope of a Microwave detector. , 2009, , .		1
70	A multirate 3.4-to-6.8mW 85-to-66dB DR GSM/bluetooth/UMTS cascade DT &#x0394;M in 90nm digital CMOS. , 2009, , .		8
71	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
72	A Compact low power SDR receiver with 0.5–20MHz baseband sampled filter. , 2009, , .		1

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73	A power-scalable linearized model for RF power amplifiers starting from S-parameter measurements. , 2009, , .		0
74	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
75	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
76	Estimation and Validation of Semiparametric Dynamic Nonlinear Models. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 395-400.	4.7	3
77	Multisine Calibration for Large-Signal Broadband Measurements. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 1478-1483.	4.7	3
78	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
79	Frequency-domain Approach to Continuous-time System Identification: Some Practical Aspects. Advances in Industrial Control, 2008, , 215-248.	0.5	13
80	Modeling and validation of the parameters of a quad cable for common mode DSL applications. , 2008, , .		0
81	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
82	Using ANOVA in a Microwave Round-Robin Comparison. , 2008, , .		0
83	Introducing the Power-Scalable Best Mixer Approximation. , 2008, , .		0
84	Analysis and Modelling of Mixed-Data Systems with Frequency Translation using Multisine Excitations. , 2008, , .		1
85	Measuring the response of a voltage-controlled oscillator using the large-signal network analyser. Measurement Science and Technology, 2008, 19, 095101.	2.6	0
86	Nonlinear Distortion Measurements of Discrete-Time Radio Receivers. , 2008, , .		0
87	A reference signal for a dense frequency grid phase calibration. , 2008, , .		10
88	An Automatic, Statistical-based Detection of Outliers in an Inter-laboratory Comparison of Nonlinear Measurements. , 2008, , .		2
89	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
90	Enhanced Time Base Jitter Compensation of Sine Waves. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	7

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91	System Identification Approach Applied to Drift Estimation. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	2
92	A Multisine based Calibration for Broadband Measurements. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	2
93	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
94	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
95	A low-power 6.3 GHz FBAR overtone-based oscillator in 90 nm CMOS technology. , 2007, , .		1
96	Nonlinearity Analysis of Analog/RF Circuits Using Combined Multisine and Volterra Analysis. , 2007, , .		15
97	Design and analysis of inductors for 60 GHz applications in a digital CMOS technology. , 2007, , .		10
98	Identifying the Structure of Nonlinear Perturbations in Mixers using Multisine Signals. IEEE Instrumentation and Measurement Magazine, 2007, 10, 32-39.	1.6	19
99	<small>&lt;pages&gt; &lt;first_page&gt;679&lt;/first_page&gt; &lt;last_page&gt;680&lt;/last_page&gt; &lt;/pages&gt; &lt;publisher_item&gt; &lt;item_number item_number_type='arNumber'&gt;4200994&lt;/item_number&gt; &lt;/publisher_item&gt; &lt;doi_data&gt; &lt;doi&gt;10.1109/TIM.2007.895578&lt;/doi&gt; &lt;/doi_data&gt; &lt;resource&gt;http://ieeexplore.ieee.org/lpdocs/epic03/wrapper.htm?arnumber=4200994&lt;/resource&gt; &lt;/doi_data&gt; &lt;/journal_article&gt; &lt;/journal_article&gt; &lt;titles&gt; &lt;title&gt;!!CDATA[Measuring Nonlinear</small> On Peculiarities of \$\$\$-Parameter Measurements. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 1967-1972.	4.7	1
100	On Peculiarities of \$\$\$-Parameter Measurements. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 1967-1972.	4.7	2
101	Fast Measurement of Quantization Distortions in DSP Algorithms. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 1917-1923.	4.7	3
102	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
103	A large-signal network analyzer: Why is it needed?. IEEE Microwave Magazine, 2006, 7, 46-62.	0.8	125
104	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
105	Analysis of windowing/leakage effects in frequency response function measurements. Automatica, 2006, 42, 27-38.	5.0	71
106	Box-Jenkins identification revisitedâ€”Part II: Applications. Automatica, 2006, 42, 77-84.	5.0	31
107	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
108	Leakage Reduction in Frequency-Response Function Measurements. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 2286-2291.	4.7	30

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109	Experimental characterization of the nonlinear behavior of RF amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 3209-3218.	4.6	25
110	Fine frequency grid phase calibration setup for the Large Signal Network Analyzer. , 2006, , .		6
111	System Identification Approach Applied to Jitter Estimation. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2006, , .	0.0	12
112	Understanding the nonlinearity of a mixer using multisine excitations. , 2006, , .		1
113	Understanding the Nonlinearity of a Mixer Using Multisine Excitations. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2006, , .	0.0	8
114	Designing power amplifiers? Use good excitation signals. , 2006, , .		6
115	Identification of linear systems with nonlinear distortions. Automatica, 2005, 41, 491-504.	5.0	185
116	Numerically robust transfer function modeling from noisy frequency domain data. IEEE Transactions on Automatic Control, 2005, 50, 1835-1839.	5.7	27
117	Measuring the Sensitivity of Microwave Components to Bias Variations. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 787-791.	4.7	4
118	Experimental Characterization of Operational Amplifiers: A System Identification Approach Part II: Calibration and Measurements. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 863-876.	4.7	23
119	Experimental Characterization of Operational Amplifiers: A System Identification Approach Part I: Theory and Simulations. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 854-862.	4.7	57
120	Why are Nonlinear Microwave Systems Measurements so Involved?. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 726-729.	4.7	14
121	Block-Oriented Instrument Software Design. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 830-838.	4.7	1
122	Identification of Young's modulus from broadband modal analysis experiments. Mechanical Systems and Signal Processing, 2004, 18, 699-726.	8.0	34
123	Box-Jenkins alike identification using nonparametric noise models. Automatica, 2004, 40, 2083-2089.	5.0	11
124	Fully automated spectral analysis of periodic signals. IEEE Transactions on Instrumentation and Measurement, 2003, 52, 1021-1024.	4.7	59
125	Fast approximate identification of nonlinear systems. Automatica, 2003, 39, 1267-1274.	5.0	100
126	Uncertainty of transfer function modelling using prior estimated noise models. Automatica, 2003, 39, 1721-1733.	5.0	15



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127	Discussion on fundamental issues of NPR measurements. IEEE Transactions on Instrumentation and Measurement, 2003, 52, 197-202.	4.7	11
128	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
129	Broadband high-frequency hybrid. IEEE Transactions on Instrumentation and Measurement, 2002, 51, 1204-1209.	4.7	1
130	Modified AIC rule for model selection in combination with prior estimated noise models. Automatica, 2002, 38, 903-906.	5.0	20
131	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
132	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
133	Frequency response function measurements in the presence of nonlinear distortions. Automatica, 2001, 37, 939-946.	5.0	83
134	Identification of linear systems in the presence of nonlinear distortions. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 855-863.	4.7	32
135	Measuring mixed-signal substrate coupling. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 959-964.	4.7	5
136	Noise figure measurements on nonlinear devices. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 971-975.	4.7	22
137	Modeling in the presence of switching uncertainties. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 1103-1108.	4.7	2
138	Static nonlinearity testing of digital-to-analog converters. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 1283-1288.	4.7	20
139	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
140	Measurement-based nonlinear modeling of spectral regrowth. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 1711-1716.	4.7	16
141	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
142	Box-Jenkins continuous-time modeling. Automatica, 2000, 36, 983-991.	5.0	44
143	A methodology for efficient high-level dataflow simulation of mixed-signal front-ends of digital telecom transceivers. , 2000, , .		29
144	Generating robust starting values for frequency-domain transfer function estimation. Automatica, 1999, 35, 965-972.	5.0	14

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145	Study of conditional ML estimators in time and frequency-domain system identification. <i>Automatica</i> , 1999, 35, 91-100.	5.0	23
146	A controllable phase coherent pulsed RF signal generator for microwave network analyzer measurements. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1999, 47, 2605-2612.	4.6	1
147	Calibration of a Wideband IF Nonlinear Vectorial Network Analyser. , 1999, , .		13
148	Identification of invariants of (over)parameterized models: finite sample results. <i>IEEE Transactions on Automatic Control</i> , 1999, 44, 1073-1077.	5.7	14
149	Caching in dataflow-based environments. <i>IEEE Instrumentation and Measurement Magazine</i> , 1999, 2, 33-37.	1.6	0
150	Time series analysis in the frequency domain. <i>IEEE Transactions on Signal Processing</i> , 1999, 47, 206-210.	5.3	20
151	Independent scaling of a delay in frequency-domain system identification. <i>IEEE Transactions on Instrumentation and Measurement</i> , 1998, 47, 327-331.	4.7	3
152	Measurements of harmonic distortion produced by a saturated optical amplifier with a nonlinear microwave network analyzer. <i>IEEE Transactions on Instrumentation and Measurement</i> , 1998, 47, 1300-1306.	4.7	0
153	Analyses, Development, and Applications of TLS Algorithms in Frequency Domain System Identification. <i>SIAM Journal on Matrix Analysis and Applications</i> , 1998, 19, 983-1004.	1.4	38
154	Non-Invasive Dual-Probe Time Domain Measurements of Incident and Reflected Waves on High-speed Digital Chip Interconnects. , 1997, , .		0
155	Order estimation for linear time-invariant systems using frequency domain identification methods. <i>IEEE Transactions on Automatic Control</i> , 1997, 42, 1408-1417.	5.7	32
156	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. <i>Automatica</i> , 1997, 33, 1351-1355.	5.0	40
157	Auto-consistent environment for measurement software development. <i>IEEE Transactions on Instrumentation and Measurement</i> , 1997, 46, 742-746.	4.7	1
158	An improved sliding-load calibration procedure using a semiparametric circle-fitting procedure. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1997, 45, 1027-1033.	4.6	7
159	Design of stable IIR filters in the complex domain by automatic delay selection. <i>IEEE Transactions on Signal Processing</i> , 1996, 44, 2339-2344.	5.3	30
160	Minimum variance bounds for overparameterized models. <i>IEEE Transactions on Automatic Control</i> , 1996, 41, 719-720.	5.7	12
161	Design of narrowband, high-resolution multisines. <i>IEEE Transactions on Instrumentation and Measurement</i> , 1996, 45, 750-753.	4.7	14
162	Study of the influence of clock instabilities in synchronized data acquisition systems. <i>IEEE Transactions on Instrumentation and Measurement</i> , 1996, 45, 601-604.	4.7	6

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163	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
164	Best conditioned parametric identification of transfer function models in the frequency domain. IEEE Transactions on Automatic Control, 1995, 40, 1954-1960.	5.7	64
165	Parametric identification of transfer functions in the frequency domain-a survey. IEEE Transactions on Automatic Control, 1994, 39, 2245-2260.	5.7	435
166	Complex correction of data acquisition channels using FIR equalizer filters. IEEE Transactions on Instrumentation and Measurement, 1993, 42, 920-924.	4.7	20
167	Identification of linear systems captured in a feedback loop. IEEE Transactions on Instrumentation and Measurement, 1992, 41, 747-754.	4.7	29
168	<title>Designing enhanced maintainability fiber-optic networks</title>. , 1991, 1572, 107.		1
169	Another step towards an ideal data acquisition channel. IEEE Transactions on Instrumentation and Measurement, 1991, 40, 659-660.	4.7	19
170	Towards an ideal data acquisition channel. IEEE Transactions on Instrumentation and Measurement, 1990, 39, 116-120.	4.7	45
171	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
172	Amplitude-only versus amplitude-phase estimation. IEEE Transactions on Instrumentation and Measurement, 1990, 39, 818-823.	4.7	2
173	Vector network analysis for nonlinear systems. , 0, , 309-344.		0