Yves Rolain

List of Publications by Year
in descending order

173 papers	3,295 citations	230014 27 h-index	214428 50 g-index
174 all docs	174 docs citations	174 times ranked	1860 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.	2.4	2
2	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.	0.9	1
3	Adaptive Excitation Signals for Low-Frequency Forced Oscillation Technique Measurements in Patients. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	2.4	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.	4.4	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.	2.9	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.	1.2	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.	3.5	10
11	Model-Driven Design of Microwave Filters Based on Scalable Circuit Models. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 4390-4396.	2.9	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.	4.4	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.	0.7	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.	2.9	9
18	Identifying Multiple Reflections in Distributed-Lumped High-Frequency Structures. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 1306-1312.	2.9	3

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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.	4.4	2
23	Structure discrimination in block-oriented models using linear approximations: A theoretic framework. Automatica, 2015, 53, 225-234.	3.0	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.	3.0	32
27	Fast identification of Wiener–Hammerstein systems using discrete optimisation. Electronics Letters, 2014, 50, 1942-1944.	0.5	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.	0.9	6
30	Identification of Wiener–Hammerstein systems by a nonparametric separation of the best linear approximation. Automatica, 2014, 50, 628-634.	3.0	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.	2.4	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.	2.4	22
35	Frequency Response Function Measurements Using Concatenated Subrecords With Arbitrary Length. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 2682-2688.	2.4	25
36	Parametric Identification of Parallel Wiener Systems. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 2825-2832.	2.4	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.	2.4	13
41	Cross-term Elimination in Parallel Wiener Systems Using a Linear Input Transformation. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 845-847.	2.4	18
42	Large-Signal Network Analysis Including the Baseband. IEEE Microwave Magazine, 2011, 12, 77-86.	0.7	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.	2.9	3
45	Improved (non-)parametric identification of dynamic systems excited by periodic signals—The multivariate case. Mechanical Systems and Signal Processing, 2011, 25, 2892-2922.	4.4	50
46	Binder Identification by Means of Phantom Measurements. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 1967-1975.	2.4	5
47	Parametric Identification of Parallel Hammerstein Systems. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 3931-3938.	2.4	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.	1.4	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.	2.4	3
51	Substrate Noise Coupling Mechanisms in Lightly Doped CMOS Transistors. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 1727-1733.	2.4	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.	2.4	5
53	Measuring the out-of-band best linear approximation. Measurement Science and Technology, 2010, 21, 015102.	1.4	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 Î"Î£ Modulator for GSM/Bluetooth/UMTS. IEEE Journal of Solid-State Circuits, 2010, 45, 1198-1208.	3.5	43
56	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, , .	3.5	18
57	A 0.045mm<sup>2</sup> 0.1&#x2013;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.	2.0	15
59	Best Linear Approximation: Revisited. , 2009, , .		9
60	Wave distorsion 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.	1.4	0
63	Design and characterization of an RF pulse train generator for large-signal analysis. Measurement Science and Technology, 2009, 20, 025106.	1.4	7
64	Time domain model validation of a nonlinear block-oriented structure. Measurement Science and Technology, 2009, 20, 105106.	1.4	1
65	An Improved Broadband Conversion Scheme for the Large-Signal Network Analyzer. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 483-487.	2.4	9
66	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.	2.4	11
67	Using ANOVA in a Microwave Round-Robin Comparison. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 3490-3498.	2.4	1
68	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.	3.5	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 ΔΣM 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.	1.9	7
72	A Compact low power SDR receiver with 0.5&#x2013;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.	3.5	89
75	Low-Area Active-Feedback Low-Noise Amplifier Design in Scaled Digital CMOS. IEEE Journal of Solid-State Circuits, 2008, 43, 2422-2433.	3.5	155
76	Estimation and Validation of Semiparametric Dynamic Nonlinear Models. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 395-400.	2.4	3
77	Multisine Calibration for Large-Signal Broadband Measurements. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 1478-1483.	2.4	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.	2.4	34
79	Frequency-domain Approach to Continuous-time System Identification: Some Practical Aspects. Advances in Industrial Control, 2008, , 215-248.	0.4	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.	1.4	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.	1.4	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.	1.2	19
99	</title> </titles> <publication_date media_type='print'> <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	2.4	1
100	On Peculiarities of S-Parameter Measurements. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 1967-1972.	2.4	2
101	Fast Measurement of Quantization Distortions in DSP Algorithms. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 1917-1923.	2.4	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.	2.4	9
103	A large-signal network analyzer: Why is it needed?. IEEE Microwave Magazine, 2006, 7, 46-62.	0.7	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.	3.5	19
105	Analysis of windowing/leakage effects in frequency response function measurements. Automatica, 2006, 42, 27-38.	3.0	71
106	Box-Jenkins identification revisited—Part II: Applications. Automatica, 2006, 42, 77-84.	3.0	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.	2.4	3
108	Leakage Reduction in Frequency-Response Function Measurements. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 2286-2291.	2.4	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.	2.9	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.	3.0	185
116	Numerically robust transfer function modeling from noisy frequency domain data. IEEE Transactions on Automatic Control, 2005, 50, 1835-1839.	3.6	27
117	Measuring the Sensitivity of Microwave Components to Bias Variations. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 787-791.	2.4	4
118	Experimental Characterization of Operational Amplifiers: A System Identification Approachâ€" Part II: Calibration and Measurements. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 863-876.	2.4	23
119	Experimental Characterization of Operational Amplifiers: A System Identification Approachâ€" Part I: Theory and Simulations. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 854-862.	2.4	57
120	Why are Nonlinear Microwave Systems Measurements so Involved?. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 726-729.	2.4	14
121	Block-Oriented Instrument Software Design. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 830-838.	2.4	1
122	Identification of Young's modulus from broadband modal analysis experiments. Mechanical Systems and Signal Processing, 2004, 18, 699-726.	4.4	34
123	Boxâ€"Jenkins alike identification using nonparametric noise modelsâ˜†. Automatica, 2004, 40, 2083-2089.	3.0	11
124	Fully automated spectral analysis of periodic signals. IEEE Transactions on Instrumentation and Measurement, 2003, 52, 1021-1024.	2.4	59
125	Fast approximate identification of nonlinear systems. Automatica, 2003, 39, 1267-1274.	3.0	100
126	Uncertainty of transfer function modelling using prior estimated noise models. Automatica, 2003, 39, 1721-1733.	3.0	15

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127	Discussion on fundamental issues of NPR measurements. IEEE Transactions on Instrumentation and Measurement, 2003, 52, 197-202.	2.4	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.	2.4	20
129	Broadband high-frequency hybrid. IEEE Transactions on Instrumentation and Measurement, 2002, 51, 1204-1209.	2.4	1
130	Modified AIC rule for model selection in combination with prior estimated noise models. Automatica, 2002, 38, 903-906.	3.0	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.	4.4	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.	4.4	12
133	Frequency response function measurements in the presence of nonlinear distortions. Automatica, 2001, 37, 939-946.	3.0	83
134	Identification of linear systems in the presence of nonlinear distortions. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 855-863.	2.4	32
135	Measuring mixed-signal substrate coupling. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 959-964.	2.4	5
136	Noise figure measurements on nonlinear devices. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 971-975.	2.4	22
137	Modeling in the presence of switching uncertainties. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 1103-1108.	2.4	2
138	Static nonlinearity testing of digital-to-analog converters. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 1283-1288.	2.4	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.	2.4	39
140	Measurement-based nonlinear modeling of spectral regrowth. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 1711-1716.	2.4	16
141	SIMPLE METHODS AND INSIGHTS TO DEAL WITH NON-LINEAR DISTORTIONS IN FRF-MEASUREMENTS. Mechanical Systems and Signal Processing, 2000, 14, 657-666.	4.4	14
142	Box–Jenkins continuous-time modeling. Automatica, 2000, 36, 983-991.	3.0	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.	3.0	14

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145	Study of conditional ML estimators in time and frequency-domain system identification. Automatica, 1999, 35, 91-100.	3.0	23
146	A controllable phase coherent pulsed RF signal generator for microwave network analyzer measurements. IEEE Transactions on Microwave Theory and Techniques, 1999, 47, 2605-2612.	2.9	1
147	Calibration of a Wideband IF Nonlinear Vectorial Network Analyser. , 1999, , .		13
148	Identification of invariants of (over)parameterized models: finite sample results. IEEE Transactions on Automatic Control, 1999, 44, 1073-1077.	3.6	14
149	Caching in dataflow-based environments. IEEE Instrumentation and Measurement Magazine, 1999, 2, 33-37.	1.2	0
150	Time series analysis in the frequency domain. IEEE Transactions on Signal Processing, 1999, 47, 206-210.	3.2	20
151	Independent scaling of a delay in frequency-domain system identification. IEEE Transactions on Instrumentation and Measurement, 1998, 47, 327-331.	2.4	3
152	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.	2.4	0
153	Analyses, Development, and Applications of TLS Algorithms in Frequency Domain System Identification. SIAM Journal on Matrix Analysis and Applications, 1998, 19, 983-1004.	0.7	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. IEEE Transactions on Automatic Control, 1997, 42, 1408-1417.	3.6	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. Automatica, 1997, 33, 1351-1355.	3.0	40
157	Auto-consistent environment for measurement software development. IEEE Transactions on Instrumentation and Measurement, 1997, 46, 742-746.	2.4	1
158	An improved sliding-load calibration procedure using a semiparametric circle-fitting procedure. IEEE Transactions on Microwave Theory and Techniques, 1997, 45, 1027-1033.	2.9	7
159	Design of stable IIR filters in the complex domain by automatic delay selection. IEEE Transactions on Signal Processing, 1996, 44, 2339-2344.	3.2	30
160	Minimum variance bounds for overparameterized models. IEEE Transactions on Automatic Control, 1996, 41, 719-720.	3.6	12
161	Design of narrowband, high-resolution multisines. IEEE Transactions on Instrumentation and Measurement, 1996, 45, 750-753.	2.4	14
162	Study of the influence of clock instabilities in synchronized data acquisition systems. IEEE Transactions on Instrumentation and Measurement, 1996, 45, 601-604.	2.4	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.	2.4	13
164	Best conditioned parametric identification of transfer function models in the frequency domain. IEEE Transactions on Automatic Control, 1995, 40, 1954-1960.	3.6	64
165	Parametric identification of transfer functions in the frequency domain-a survey. IEEE Transactions on Automatic Control, 1994, 39, 2245-2260.	3.6	435
166	Complex correction of data acquisition channels using FIR equalizer filters. IEEE Transactions on Instrumentation and Measurement, 1993, 42, 920-924.	2.4	20
167	Identification of linear systems captured in a feedback loop. IEEE Transactions on Instrumentation and Measurement, 1992, 41, 747-754.	2.4	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.	2.4	19
170	Towards an ideal data acquisition channel. IEEE Transactions on Instrumentation and Measurement, 1990, 39, 116-120.	2.4	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.	2.4	1
172	Amplitude-only versus amplitude-phase estimation. IEEE Transactions on Instrumentation and Measurement, 1990, 39, 818-823.	2.4	2
173	Vector network analysis for nonlinear systems. , 0, , 309-344.		0