

Paul M J Van Den Hof

List of Publications by Year in Descending Order

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Version: 2024-04-20

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

205
papers

4,243
citations

33
h-index

60
g-index

216
ext. papers

4,941
ext. citations

3.5
avg, IF

5.74
L-index

#	Paper	IF	Citations
205	On Data-Driven Control: Informativity of Noisy Input-Output Data With Cross-Covariance Bounds 2022 , 6, 2192-2197		0
204	Generic identifiability of subnetworks in a linear dynamic network: The full measurement case. <i>Automatica</i> , 2022 , 137, 110093	5.7	3
203	A scalable multi-step least squares method for network identification with unknown disturbance topology. <i>Automatica</i> , 2022 , 141, 110295	5.7	
202	Excitation Allocation for Generic Identifiability of Linear Dynamic Networks With Fixed Modules 2022 , 6, 2587-2592		
201	A frequency domain approach for local module identification in dynamic networks. <i>Automatica</i> , 2022 , 142, 110370	5.7	2
200	Single module identifiability in linear dynamic networks with partial excitation and measurement. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	1
199	Active deformation control for a magnetically-levitated planar motor mover. <i>IEEE Transactions on Industry Applications</i> , 2021 , 1-1	4.3	1
198	A Local Direct Method for Module Identification in Dynamic Networks With Correlated Noise. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 5237-5252	5.9	14
197	Learning linear modules in a dynamic network using regularized kernel-based methods. <i>Automatica</i> , 2021 , 129, 109591	5.7	2
196	Scalable distributed H2 controller synthesis for interconnected linear discrete-time systems. <i>IFAC-PapersOnLine</i> , 2021 , 54, 66-71	0.7	0
195	Handling unmeasured disturbances in data-driven distributed control with virtual reference feedback tuning. <i>IFAC-PapersOnLine</i> , 2021 , 54, 204-209	0.7	0
194	Allocation of Excitation Signals for Generic Identifiability of Linear Dynamic Networks. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	4
193	Abstractions of linear dynamic networks for input selection in local module identification. <i>Automatica</i> , 2020 , 117, 108975	5.7	5
192	Excitation allocation for generic identifiability of a single module in dynamic networks: A graphic approach. <i>IFAC-PapersOnLine</i> , 2020 , 53, 40-45	0.7	4
191	A Bayesian method for inference of effective connectivity in brain networks for detecting the Mozart effect. <i>Computers in Biology and Medicine</i> , 2020 , 127, 104055	7	2
190	Informed production optimization in hydrocarbon reservoirs. <i>Optimization and Engineering</i> , 2020 , 21, 25-48	2.1	5
189	Local module identification in dynamic networks with correlated noise: the full input case 2019 ,		6

188	A dynamic network approach to identification of physical systems 2019 ,		2
187	Generalized sensing and actuation schemes for local module identification in dynamic networks 2019 ,		3
186	Allocation of Excitation Signals for Generic Identifiability of Dynamic Networks 2019 ,		8
185	Bayesian topology identification of linear dynamic networks 2019 ,		10
184	Identifiability of linear dynamic networks. <i>Automatica</i> , 2018 , 89, 247-258	5.7	41
183	Identification in dynamic networks. <i>Computers and Chemical Engineering</i> , 2018 , 109, 23-29	4	6
182	Parameter estimation of an electrochemistry-based lithium-ion battery model using a two-step procedure and a parameter sensitivity analysis. <i>International Journal of Energy Research</i> , 2018 , 42, 2417-2430	4.5	44
181	Local Module Identification in Dynamic Networks Using Regularized Kernel-Based Methods 2018 ,		12
180	Scenario-based robust optimization of water flooding in oil reservoirs enjoys probabilistic guarantees. <i>IFAC-PapersOnLine</i> , 2018 , 51, 102-107	0.7	4
179	A sequential least squares algorithm for ARMAX dynamic network identification. <i>IFAC-PapersOnLine</i> , 2018 , 51, 844-849	0.7	3
178	On Representations of Linear Dynamic Networks. <i>IFAC-PapersOnLine</i> , 2018 , 51, 838-843	0.7	6
177	A recursive estimation approach to distributed identification of large-scale multi-input-single-output FIR systems. <i>IFAC-PapersOnLine</i> , 2018 , 51, 236-241	0.7	
176	On dynamic network modeling of stationary multivariate processes. <i>IFAC-PapersOnLine</i> , 2018 , 51, 850-857	0.7	1
175	Single Module Identifiability in Linear Dynamic Networks 2018 ,		7
174	Prediction error identification of linear dynamic networks with rank-reduced noise. <i>Automatica</i> , 2018 , 98, 256-268	5.7	21
173	Data-driven and model-based verification via Bayesian identification and reachability analysis. <i>Automatica</i> , 2017 , 79, 115-126	5.7	10
172	An adaptive robust optimization scheme for water-flooding optimization in oil reservoirs using residual analysis * *The authors acknowledge financial support from the Recovery Factory program sponsored by Shell Global Solutions International.. <i>IFAC-PapersOnLine</i> , 2017 , 50, 11275-11280	0.7	1
171	Flow-based dissimilarity measures for reservoir models: a spatial-temporal tensor approach. <i>Computational Geosciences</i> , 2017 , 21, 645-663	2.7	3

170	Trajectory planning and trajectory tracking for a small-scale helicopter in autorotation. <i>Control Engineering Practice</i> , 2017 , 58, 88-106	3.9	8
169	Identification of dynamic networks with rank-reduced process noise * *This work has received funding from the European Research Council (ERC), Advanced Research Grant SYSDYNET, under the European Union Horizon 2020 research and innovation programme (grant agreement No 694504)..	0.7	4
168	Conditions for handling confounding variables in dynamic networks * *The work of A. Dankers is supported by Mitacs of Canada. The work of P. Van den Hof and H. Weerts is supported by the European Research Council (ERC), Advanced Research Grant SYSDYNET, under the European Union Horizon 2020 research and innovation programme (grant agreement No 694504)..	0.7	10
167	<i>IFAC-PapersOnLine</i> , 2017 , 50, 3983-3988 From closed-loop identification to dynamic networks: Generalization of the direct method 2017 ,		3
166	Prediction error identification with rank-reduced output noise 2017 ,		1
165	Identification of Dynamic Models in Complex Networks With Prediction Error Methods: Predictor Input Selection. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 937-952	5.9	61
164	Experiment time minimisation under parameter accuracy constraints and time-domain signal amplitude bounds 2016 ,		1
163	Optimal input experiment design and parameter estimation in core-scale pressure oscillation experiments. <i>Journal of Hydrology</i> , 2016 , 534, 534-552	6	5
162	Estimating parameters with pre-specified accuracies in distributed parameter systems using optimal experiment design. <i>International Journal of Control</i> , 2016 , 89, 1533-1553	1.5	1
161	Value of information in closed-loop reservoir management. <i>Computational Geosciences</i> , 2016 , 20, 737-749.	7	28
160	Determination of lower and upper bounds of predicted production from history-matched models. <i>Computational Geosciences</i> , 2016 , 20, 1061-1073	2.7	
159	Identification of dynamic networks operating in the presence of algebraic loops 2016 ,		11
158	Advanced autonomous model-based operation of industrial process systems (Autoprofit): Technological developments and future perspectives. <i>Annual Reviews in Control</i> , 2016 , 42, 126-142	10.3	2
157	Robust optimization of water-flooding in oil reservoirs using risk management tools. <i>IFAC-PapersOnLine</i> , 2016 , 49, 133-138	0.7	11
156	Identifiability of dynamic networks with part of the nodes noise-free. <i>IFAC-PapersOnLine</i> , 2016 , 49, 19-24.	7	10
155	Sensor Configuration Problem: Application to a Membrane Separation Unit. <i>IFAC-PapersOnLine</i> , 2016 , 49, 189-194	0.7	3
154	Verification of General Markov Decision Processes by Approximate Similarity Relations and Policy Refinement. <i>Lecture Notes in Computer Science</i> , 2016 , 227-243	0.9	3
153	Batch-to-batch model improvement for cooling crystallization. <i>Control Engineering Practice</i> , 2015 , 41, 72-82	3.9	5

152	CFD analysis and flow model reduction for surfactant production in helix reactor. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2015 , 21, 34-44	0.7	
151	Least costly closed-loop performance diagnosis and plant re-identification. <i>International Journal of Control</i> , 2015 , 88, 2264-2276	1.5	11
150	Tensor-based reduced order modeling in reservoir engineering: An application to production optimization. <i>IFAC-PapersOnLine</i> , 2015 , 48, 254-259	0.7	2
149	Errors-in-variables identification in dynamic networks [Consistency results for an instrumental variable approach. <i>Automatica</i> , 2015 , 62, 39-50	5.7	39
148	Data-driven model improvement for model-based control. <i>Automatica</i> , 2015 , 52, 118-124	5.7	22
147	Handling risk of uncertainty in model-based production optimization: a robust hierarchical approach. <i>IFAC-PapersOnLine</i> , 2015 , 48, 248-253	0.7	1
146	Underground Reservoir Identification Using Generalized Wellbore Data. <i>IFAC-PapersOnLine</i> , 2015 , 48, 307-308	0.7	
145	Identifiability in dynamic network identification. <i>IFAC-PapersOnLine</i> , 2015 , 48, 1409-1414	0.7	27
144	Risk management in oil reservoir water-flooding under economic uncertainty 2015 ,		11
143	Model and Economic Uncertainties in Balancing Short-Term and Long-Term Objectives in Water-Flooding Optimization 2015 ,		9
142	Ensemble-Based Multiobjective Optimization of On/Off Control Devices Under Geological Uncertainty. <i>SPE Reservoir Evaluation and Engineering</i> , 2015 , 18, 554-563	2.3	18
141	Pressure-Transient Analysis of Bottomhole Pressure and Rate Measurements by Use of System-Identification Techniques. <i>SPE Journal</i> , 2015 , 20, 1005-1027	3.1	6
140	Improving the Ensemble-Optimization Method Through Covariance-Matrix Adaptation. <i>SPE Journal</i> , 2015 , 20, 155-168	3.1	24
139	Non-parametric identification in dynamic networks 2015 ,		3
138	Ensemble-based hierarchical multi-objective production optimization of smart wells. <i>Computational Geosciences</i> , 2014 , 18, 449-461	2.7	17
137	Experiment design for parameter estimation in nonlinear systems based on multilevel excitation 2014 ,		11
136	Distributed lighting control with daylight and occupancy adaptation. <i>Energy and Buildings</i> , 2014 , 75, 321-329		78
135	Errors-in-Variables identification in bilaterally coupled systems with application to oil well testing. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 4656-4661		3

134	A variance reduction technique for identification in dynamic networks. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 2842-2847		11
133	Errors-in-Variables Identification in Dynamic Networks by an Instrumental Variable Approach. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 2335-2340		4
132	Direct and indirect continuous-time identification in dynamic networks 2014 ,		1
131	The egg model as geological ensemble for reservoir simulation. <i>Geoscience Data Journal</i> , 2014 , 1, 192-195.5		81
130	Controllability and observability in two-phase porous media flow. <i>Computational Geosciences</i> , 2013 , 17, 773-788	2.7	5
129	Identification of dynamic models in complex networks with prediction error methods Basic methods for consistent module estimates. <i>Automatica</i> , 2013 , 49, 2994-3006	5.7	126
128	Integrated design of the feedback controller and topography estimator for atomic force microscopy. <i>Control Engineering Practice</i> , 2013 , 21, 1110-1120	3.9	4
127	Experiment design for batch-to-batch model-based learning control 2013 ,		1
126	Predictor input selection for direct identification in dynamic networks 2013 ,		9
125	A Two-Level Strategy to Realize Life-Cycle Production Optimization in an Operational Setting. <i>SPE Journal</i> , 2013 , 18, 1057-1066	3.1	18
124	Prof.ir. Okko H. Bosgra [Obituary]. <i>IEEE Control Systems</i> , 2013 , 33, 88-89	2.9	
123	Predictor input selection for two stage identification in dynamic networks 2013 ,		6
122	Dynamics, load balancing, and modal control of piezoelectric tube actuators. <i>Mechatronics</i> , 2012 , 22, 282-294	3	7
121	Nonlinear Model-Based Control of a Semi-Industrial Batch Crystallizer Using a Population Balance Modeling Framework. <i>IEEE Transactions on Control Systems Technology</i> , 2012 , 20, 1188-1201	4.8	43
120	On the Discretization of Linear Fractional Representations of LPV Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2012 , 20, 1473-1489	4.8	23
119	Trade-off between the control bandwidth and the measurement accuracy in Atomic Force Microscopy 2012 ,		1
118	Batch-to-batch strategies for cooling crystallization 2012 ,		2
117	A unified experiment design framework for detection and identification in closed-loop performance diagnosis 2012 ,		4

116	Dynamic network identification using the direct prediction-error method 2012 ,		7
115	Identification in dynamic networks with known interconnection topology 2012 ,		5
114	Opportunities and challenges for process control in process intensification. <i>Chemical Engineering and Processing: Process Intensification</i> , 2012 , 52, 1-15	3.7	104
113	Optimal control for power-off landing of a small-scale helicopter a pseudospectral approach 2012 ,		8
112	Iterative Learning Control of supersaturation in batch cooling crystallization 2012 ,		3
111	Recent developments in model-based optimization and control of subsurface flow in oil reservoirs. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 189-200		7
110	Dynamic network structure identification with prediction error methods - basic examples. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 876-881		11
109	Prediction-Error Identification of LPV Systems: Present and Beyond 2012 , 27-58		11
108	The Behavioral Approach to Linear Parameter-Varying Systems. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 2499-2514	5.9	31
107	Hierarchical Long-Term and Short-Term Production Optimization. <i>SPE Journal</i> , 2011 , 16, 191-199	3.1	84
106	Towards Integrated Design of a Robust Feedback Controller and Topography Estimator for Atomic Force Microscopy. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 12709-12714		2
105	Parameter identification in large-scale models for oil and gas production. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 10857-10862		4
104	Optimal instrumental variable method for closed-loop identification. <i>IET Control Theory and Applications</i> , 2011 , 5, 1147-1154	2.5	45
103	A virtual closed loop method for closed loop identification. <i>Automatica</i> , 2011 , 47, 1626-1637	5.7	17
102	Real-time control of a semi-industrial fed-batch evaporative crystallizer using different direct optimization strategies. <i>AIChE Journal</i> , 2011 , 57, 1557-1569	3.6	38
101	A comparison of nonlinear observers for output feedback model-based control of seeded batch crystallization processes. <i>Journal of Process Control</i> , 2011 , 21, 652-666	3.9	55
100	LPV identification of high performance positioning devices 2011 ,		4
99	Informative data and identifiability in LPV-ARX prediction-error identification 2011 ,		7

98	Closed-loop performance diagnosis using prediction error identification 2011 ,		2
97	Boundary control of two-phase fluid flow using the Laplace-space domain 2011 ,		1
96	Integrated dynamic optimization and control in reservoir engineering using locally identified linear models 2010 ,		5
95	Multivariable frequency domain identification using IV-based linear regression 2010 ,		17
94	Discretisation of linear parameter-varying state-space representations. <i>IET Control Theory and Applications</i> , 2010 , 4, 2082-2096	2.5	35
93	Lexicographic optimization of multiple economic objectives in oil production from petroleum reservoirs 2010 ,		1
92	A model-based control framework for industrial batch crystallization processes. <i>Chemical Engineering Research and Design</i> , 2010 , 88, 1223-1233	5.5	31
91	Discretization of Linear Fractional Representations of LPV systems 2009 ,		5
90	Robust Waterflooding Optimization of Multiple Geological Scenarios. <i>SPE Journal</i> , 2009 , 14, 202-210	3.1	196
89	Towards automatic control of scanning transmission electron microscopes 2009 ,		2
88	Accelerating simulations of computationally intensive first principle models using accurate quasi-linear parameter varying models. <i>Journal of Process Control</i> , 2009 , 19, 1601-1609	3.9	3
87	A control oriented study on the numerical solution of the population balance equation for crystallization processes. <i>Chemical Engineering Science</i> , 2009 , 64, 4262-4277	4.4	54
86	Asymptotically optimal orthonormal basis functions for LPV system identification. <i>Automatica</i> , 2009 , 45, 1359-1370	5.7	68
85	Order and structural dependence selection of LPV-ARX models using a nonnegative garrote approach 2009 ,		8
84	Model-based control and optimization of large scale physical systems - Challenges in reservoir engineering 2009 ,		4
83	Refined Instrumental Variable methods for closed-loop system identification. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 284-289		7
82	Identifiability: from qualitative analysis to model structure approximation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 664-669		15
81	Hierarchical Economic Optimization of Oil Production from Petroleum Reservoirs. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 738-743		6

80	Hierarchical Long Term and Short Term Production Optimization 2009 ,		10
79	Identification of Parameters in Large Scale Physical Model Structures, for the Purpose of Model-Based Operations 2009 , 125-143		3
78	Virtual closed loop identification: A generalized tool for identification in closed loop 2008 ,		1
77	Real-time Dynamic Optimization of Batch Crystallization Processes. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 3246-3251		4
76	Determining Identifiable Parameterizations for Large-scale Physical Models in Reservoir Engineering. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 11421-11426 ¹¹		
75	Controllability, observability and identifiability in single-phase porous media flow. <i>Computational Geosciences</i> , 2008 , 12, 605-622	2.7	27
74	Model-based control of multiphase flow in subsurface oil reservoirs. <i>Journal of Process Control</i> , 2008 , 18, 846-855	3.9	102
73	Validity of the standard cross-correlation test for model structure validation. <i>Automatica</i> , 2008 , 44, 1285-1294	5.7	5
72	Instrumental Variable Methods for Closed-loop Continuous-time Model Identification. <i>Advances in Industrial Control</i> , 2008 , 133-160	0.3	14
71	Closed-loop identification of multivariable processes with part of the inputs controlled. <i>International Journal of Control</i> , 2007 , 80, 1552-1561	1.5	7
70	Discrete time LPV I/O and state space representations, differences of behavior and pitfalls of interpolation 2007 ,		29
69	Bang-bang control and singular arcs in reservoir flooding. <i>Journal of Petroleum Science and Engineering</i> , 2007 , 58, 186-200	4.4	61
68	Probabilistic uncertainty bounding in output error models with unmodelled dynamics 2006 ,		1
67	Orthonormal basis selection for LPV system identification, the Fuzzy-Kolmogorov c-Max approach 2006 ,		2
66	A REFINED IV METHOD FOR CLOSED-LOOP SYSTEM IDENTIFICATION. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 903-908		9
65	A Unified Transform for LTI Systems Presented as a (Generalized) Frame. <i>Eurasip Journal on Advances in Signal Processing</i> , 2006 , 2006, 1	1.9	
64	PROBABILISTIC MODEL UNCERTAINTY BOUNDING: AN APPROACH WITH FINITE-TIME PERSPECTIVES. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 1021-1026		5
63	Least costly identification experiment for control. <i>Automatica</i> , 2006 , 42, 1651-1662	5.7	138

62	VALIDITY OF THE STANDARD CROSS-CORRELATION TEST FOR MODEL STRUCTURE VALIDATION. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 898-903		3
61	Instrumental variable methods for closed-loop system identification. <i>Automatica</i> , 2005 , 41, 241-249	5.7	99
60	Relations between uncertainty structures in identification for robust control. <i>Automatica</i> , 2005 , 41, 439-457		53
59	System Identification with Generalized Orthonormal Basis Functions 2005 , 61-102		5
58	Cheapest open-loop identification for control 2004 ,		21
57	Validation Test Based Parameter Uncertainty Versus Analysis-Based Confidence Bounds. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 1825-1830		
56	Relation between uncertainty structures in identification for robust control. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 33-38		1
55	IV methods for closed-loop system identification. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 513-518		1
54	Controller tuning freedom under plant identification uncertainty: double Youla beats gap in robust stability. <i>Automatica</i> , 2003 , 39, 325-333	5.7	19
53	Orthonormal Basis Functions in Time and Frequency Domain: Hambo Transform Theory. <i>SIAM Journal on Control and Optimization</i> , 2003 , 42, 1347-1373	1.9	18
52	MIMO closed-loop identification of an MSW incinerator. <i>Control Engineering Practice</i> , 2002 , 10, 315-326	3.9	23
51	Minimal partial realization from generalized orthonormal basis function expansions. <i>Automatica</i> , 2002 , 38, 655-669	5.7	12
50	CONTROLLER TUNING FREEDOM UNDER PLANT IDENTIFICATION UNCERTAINTY: DOUBLE YOULA BEATS GAP IN ROBUST STABILITY. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2002 , 35, 259-264		
49	Asymptotic variance expressions for closed-loop identification. <i>Automatica</i> , 2001 , 37, 781-786	5.7	40
48	On the relation between a bias-eliminated least-squares (BELS) and an IV estimator in closed-loop identification. <i>Automatica</i> , 2001 , 37, 1593-1600	5.7	34
47	Multivariable feedback relevant system identification of a wafer stepper system. <i>IEEE Transactions on Control Systems Technology</i> , 2001 , 9, 381-390	4.8	19
46	Modelling and Identification with Rational Orthogonal Basis Functions. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2000 , 33, 445-455		5
45	Partial Realization in Generalized Bases: Algorithm and Example. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2000 , 33, 469-474		

44	CLOSID - A Matlab Toolbox for Closed-Loop System Identification. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2000 , 33, 857-861		
43	Extended Ho-Kalman algorithm for systems represented in generalized orthonormal bases. <i>Automatica</i> , 2000 , 36, 1809-1818	5.7	7
42	Analysis of Closed-Loop Identification with a Tailor-Made Parameterization. <i>European Journal of Control</i> , 2000 , 6, 54-62	2.5	11
41	Process Control-Relevant and Closed-Loop Identification. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1999 , 32, 6669-6674		
40	Performance enhancement on the basis of identified model uncertainty sets with application to a CD mechanism. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1999 , 32, 3295-3300		
39	Closed-loop issues in system identification. <i>Annual Reviews in Control</i> , 1998 , 22, 173-186	10.3	146
38	Model Set Determination and its Application to the Control of Compact Disc Players. <i>European Journal of Control</i> , 1998 , 4, 99-115	2.5	0
37	Frequency domain identification with generalized orthonormal basis functions. <i>IEEE Transactions on Automatic Control</i> , 1998 , 43, 656-669	5.9	36
36	Identification of probabilistic system uncertainty regions by explicit evaluation of bias and variance errors. <i>IEEE Transactions on Automatic Control</i> , 1997 , 42, 1516-1528	5.9	51
35	Connecting System Identification and Robust Control by a Factorization Approach. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1997 , 30, 131-136		1
34	Asymptotic Variance Expressions for Closed-Loop Identification and Their Relevance in Identification for Control. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1997 , 30, 1393-1398		
33	Closed-Loop Issues in System Identification. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1997 , 30, 1547-1560		16
32	Analysis of closed-loop identification with a tailor-made parametrization 1997 ,		2
31	A unified approach to stability robustness for uncertainty descriptions based on fractional model representations. <i>IEEE Transactions on Automatic Control</i> , 1996 , 41, 723-727	5.9	3
30	Control-Relevant Uncertainty Modelling Directed Towards Performance Robustness. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1996 , 29, 4034-4039		1
29	The Hambo Transform: A Signal and System Transform Induced by Generalized Orthonormal Basis Functions. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1996 , 29, 4285-4290		4
28	Closed-loop identification of a continuous crystallization process. <i>AIChE Journal</i> , 1996 , 42, 767-776	3.6	6
27	Test for local structural identifiability of high-order non-linearly parametrized state space models. <i>Automatica</i> , 1996 , 32, 875-883	5.7	24

26	. <i>IEEE Transactions on Automatic Control</i> , 1995 , 40, 451-465	5.9	210
25	Identification of Normalised Coprime Plant Factors from Closed-loop Experimental Data. <i>European Journal of Control</i> , 1995 , 1, 62-74	2.5	63
24	System identification with generalized orthonormal basis functions. <i>Automatica</i> , 1995 , 31, 1821-1834	5.7	207
23	Quantification of uncertainty in transfer function estimation: a mixed probabilistic-worst-case approach. <i>Automatica</i> , 1995 , 31, 543-557	5.7	69
22	Identification and control [Closed-loop issues. <i>Automatica</i> , 1995 , 31, 1751-1770	5.7	313
21	Consistent parameter bounding identification for linearly parametrized model sets. <i>Automatica</i> , 1995 , 31, 957-969	5.7	22
20	Frequency domain curve fitting with maximum amplitude criterion and guaranteed stability. <i>International Journal of Control</i> , 1994 , 60, 809-825	1.5	22
19	Model sets and parametrizations for identification of multivariable equation error models. <i>Automatica</i> , 1994 , 30, 433-446	5.7	3
18	Approximate identification with closed-loop performance criterion and application to LQG feedback design. <i>Automatica</i> , 1994 , 30, 679-690	5.7	33
17	Quantification of model uncertainty from data. <i>International Journal of Robust and Nonlinear Control</i> , 1994 , 4, 301-319	3.6	13
16	Identification and Control - Closed Loop Issues. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1994 , 27, 311-323		2
15	On nominal models, model uncertainty and iterative methods in identification and control design. <i>Lecture Notes in Control and Information Sciences</i> , 1994 , 39-50	0.5	4
14	An indirect method for transfer function estimation from closed loop data. <i>Automatica</i> , 1993 , 29, 1523-1527	5.7	169
13	Equation error versus output error methods. <i>Ergonomics</i> , 1992 , 35, 551-564	2.9	8
12	System order and structure indices of linear systems in polynomial form. <i>International Journal of Control</i> , 1992 , 55, 1471-1490	1.5	4
11	Delay structure conditions for identifiability of closed loop systems. <i>Automatica</i> , 1992 , 28, 1047-1050	5.7	6
10	. <i>IEEE Transactions on Automatic Control</i> , 1989 , 34, 191-193	5.9	6
9	Some asymptotic properties of multivariable models identified by equation error techniques. <i>IEEE Transactions on Automatic Control</i> , 1987 , 32, 89-92	5.9	9

8	On multivariable partial realization□ <i>International Journal of Control</i> , 1985 , 41, 589-613	1.5	5
7	A cognitive human operator model: the single-input single-output (SISO) case. <i>International Journal of Systems Science</i> , 1985 , 16, 337-350	2.3	
6	Approximate realization based upon an alternative to the Hankel matrix: the Page matrix. <i>Systems and Control Letters</i> , 1982 , 2, 202-208	2.4	21
5			7
4			2
3			5
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