

Paul M J Van Den Hof

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205
papers

4,243
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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	Identification and control [Closed-loop issues. <i>Automatica</i> , 1995 , 31, 1751-1770	5.7	313
204	. <i>IEEE Transactions on Automatic Control</i> , 1995 , 40, 451-465	5.9	210
203	System identification with generalized orthonormal basis functions. <i>Automatica</i> , 1995 , 31, 1821-1834	5.7	207
202	Robust Waterflooding Optimization of Multiple Geological Scenarios. <i>SPE Journal</i> , 2009 , 14, 202-210	3.1	196
201	An indirect method for transfer function estimation from closed loop data. <i>Automatica</i> , 1993 , 29, 1523-1527	5.7	169
200	Closed-loop issues in system identification. <i>Annual Reviews in Control</i> , 1998 , 22, 173-186	10.3	146
199	Least costly identification experiment for control. <i>Automatica</i> , 2006 , 42, 1651-1662	5.7	138
198	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
197	Opportunities and challenges for process control in process intensification. <i>Chemical Engineering and Processing: Process Intensification</i> , 2012 , 52, 1-15	3.7	104
196	Model-based control of multiphase flow in subsurface oil reservoirs. <i>Journal of Process Control</i> , 2008 , 18, 846-855	3.9	102
195	Instrumental variable methods for closed-loop system identification. <i>Automatica</i> , 2005 , 41, 241-249	5.7	99
194	Hierarchical Long-Term and Short-Term Production Optimization. <i>SPE Journal</i> , 2011 , 16, 191-199	3.1	84
193	The egg model [a geological ensemble for reservoir simulation. <i>Geoscience Data Journal</i> , 2014 , 1, 192-195	5.5	81
192	Distributed lighting control with daylight and occupancy adaptation. <i>Energy and Buildings</i> , 2014 , 75, 321-329	7.8	78
191	Quantification of uncertainty in transfer function estimation: a mixed probabilistic-worst-case approach. <i>Automatica</i> , 1995 , 31, 543-557	5.7	69
190	Asymptotically optimal orthonormal basis functions for LPV system identification. <i>Automatica</i> , 2009 , 45, 1359-1370	5.7	68
189	Identification of Normalised Coprime Plant Factors from Closed-loop Experimental Data. <i>European Journal of Control</i> , 1995 , 1, 62-74	2.5	63

188	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
187	Bang-bang control and singular arcs in reservoir flooding. <i>Journal of Petroleum Science and Engineering</i> , 2007 , 58, 186-200	4.4	61
186	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
185	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
184	Relations between uncertainty structures in identification for robust control. <i>Automatica</i> , 2005 , 41, 439-457	4.7	53
183	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
182	Optimal instrumental variable method for closed-loop identification. <i>IET Control Theory and Applications</i> , 2011 , 5, 1147-1154	2.5	45
181	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
180	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
179	Identifiability of linear dynamic networks. <i>Automatica</i> , 2018 , 89, 247-258	5.7	41
178	Asymptotic variance expressions for closed-loop identification. <i>Automatica</i> , 2001 , 37, 781-786	5.7	40
177	Errors-in-variables identification in dynamic networks [Consistency results for an instrumental variable approach. <i>Automatica</i> , 2015 , 62, 39-50	5.7	39
176	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
175	Frequency domain identification with generalized orthonormal basis functions. <i>IEEE Transactions on Automatic Control</i> , 1998 , 43, 656-669	5.9	36
174	Discretisation of linear parameter-varying state-space representations. <i>IET Control Theory and Applications</i> , 2010 , 4, 2082-2096	2.5	35
173	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
172	Approximate identification with closed-loop performance criterion and application to LQG feedback design. <i>Automatica</i> , 1994 , 30, 679-690	5.7	33
171	The Behavioral Approach to Linear Parameter-Varying Systems. <i>IEEE Transactions on Automatic Control</i> , 2011 , 56, 2499-2514	5.9	31

170	A model-based control framework for industrial batch crystallization processes. <i>Chemical Engineering Research and Design</i> , 2010 , 88, 1223-1233	5.5	31
169	Discrete time LPV I/O and state space representations, differences of behavior and pitfalls of interpolation 2007 ,		29
168	Value of information in closed-loop reservoir management. <i>Computational Geosciences</i> , 2016 , 20, 737-749.	4.7	28
167	Identifiability in dynamic network identification. <i>IFAC-PapersOnLine</i> , 2015 , 48, 1409-1414	0.7	27
166	Controllability, observability and identifiability in single-phase porous media flow. <i>Computational Geosciences</i> , 2008 , 12, 605-622	2.7	27
165	Improving the Ensemble-Optimization Method Through Covariance-Matrix Adaptation. <i>SPE Journal</i> , 2015 , 20, 155-168	3.1	24
164	Test for local structural identifiability of high-order non-linearly parametrized state space models. <i>Automatica</i> , 1996 , 32, 875-883	5.7	24
163	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
162	MIMO closed-loop identification of an MSW incinerator. <i>Control Engineering Practice</i> , 2002 , 10, 315-326	3.9	23
161	Data-driven model improvement for model-based control. <i>Automatica</i> , 2015 , 52, 118-124	5.7	22
160	Frequency domain curve fitting with maximum amplitude criterion and guaranteed stability. <i>International Journal of Control</i> , 1994 , 60, 809-825	1.5	22
159	Consistent parameter bounding identification for linearly parametrized model sets. <i>Automatica</i> , 1995 , 31, 957-969	5.7	22
158	Cheapest open-loop identification for control 2004 ,		21
157	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
156	Prediction error identification of linear dynamic networks with rank-reduced noise. <i>Automatica</i> , 2018 , 98, 256-268	5.7	21
155	Controller tuning freedom under plant identification uncertainty: double Youla beats gap in robust stability. <i>Automatica</i> , 2003 , 39, 325-333	5.7	19
154	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
153	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

152	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
151	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
150	Ensemble-based hierarchical multi-objective production optimization of smart wells. <i>Computational Geosciences</i> , 2014 , 18, 449-461	2.7	17
149	A virtual closed loop method for closed loop identification. <i>Automatica</i> , 2011 , 47, 1626-1637	5.7	17
148	Multivariable frequency domain identification using IV-based linear regression 2010 ,		17
147	Closed-Loop Issues in System Identification. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1997 , 30, 1547-1560		16
146	Identifiability: from qualitative analysis to model structure approximation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 664-669		15
145	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
144	Instrumental Variable Methods for Closed-loop Continuous-time Model Identification. <i>Advances in Industrial Control</i> , 2008 , 133-160	0.3	14
143	Quantification of model uncertainty from data. <i>International Journal of Robust and Nonlinear Control</i> , 1994 , 4, 301-319	3.6	13
142	Minimal partial realization from generalized orthonormal basis function expansions. <i>Automatica</i> , 2002 , 38, 655-669	5.7	12
141	Local Module Identification in Dynamic Networks Using Regularized Kernel-Based Methods 2018 ,		12
140	Least costly closed-loop performance diagnosis and plant re-identification. <i>International Journal of Control</i> , 2015 , 88, 2264-2276	1.5	11
139	Experiment design for parameter estimation in nonlinear systems based on multilevel excitation 2014 ,		11
138	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
137	Risk management in oil reservoir water-flooding under economic uncertainty 2015 ,		11
136	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
135	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

134	Analysis of Closed-Loop Identification with a Tailor-Made Parameterization. <i>European Journal of Control</i> , 2000 , 6, 54-62	2.5	11
133	Identification of dynamic networks operating in the presence of algebraic loops 2016 ,		11
132	Robust optimization of water-flooding in oil reservoirs using risk management tools. <i>IFAC-PapersOnLine</i> , 2016 , 49, 133-138	0.7	11
131	Prediction-Error Identification of LPV Systems: Present and Beyond 2012 , 27-58		11
130	Data-driven and model-based verification via Bayesian identification and reachability analysis. <i>Automatica</i> , 2017 , 79, 115-126	5.7	10
129	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). <i>IFAC-PapersOnLine</i> , 2017 , 50, 3983-3988	0.7	10
128	Hierarchical Long Term and Short Term Production Optimization 2009 ,		10
127	Identifiability of dynamic networks with part of the nodes noise-free. <i>IFAC-PapersOnLine</i> , 2016 , 49, 19-24.	0.7	10
126	Bayesian topology identification of linear dynamic networks 2019 ,		10
125	Model and Economic Uncertainties in Balancing Short-Term and Long-Term Objectives in Water-Flooding Optimization 2015 ,		9
124	Predictor input selection for direct identification in dynamic networks 2013 ,		9
123	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
122	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
121	Trajectory planning and trajectory tracking for a small-scale helicopter in autorotation. <i>Control Engineering Practice</i> , 2017 , 58, 88-106	3.9	8
120	Order and structural dependence selection of LPV-ARX models using a nonnegative garrote approach 2009 ,		8
119	Optimal control for power-off landing of a small-scale helicopter a pseudospectral approach 2012 ,		8
118	Equation error versus output error methods. <i>Ergonomics</i> , 1992 , 35, 551-564	2.9	8
117	Allocation of Excitation Signals for Generic Identifiability of Dynamic Networks 2019 ,		8

116	Dynamics, load balancing, and modal control of piezoelectric tube actuators. <i>Mechatronics</i> , 2012 , 22, 282-294	3	7
115	Dynamic network identification using the direct prediction-error method 2012 ,		7
114	Informative data and identifiability in LPV-ARX prediction-error identification 2011 ,		7
113	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
112	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
111	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
110	Extended Ho-Kalman algorithm for systems represented in generalized orthonormal bases. <i>Automatica</i> , 2000 , 36, 1809-1818	5.7	7
109			7
108	Single Module Identifiability in Linear Dynamic Networks 2018 ,		7
107	Identification in dynamic networks. <i>Computers and Chemical Engineering</i> , 2018 , 109, 23-29	4	6
106	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
105	Predictor input selection for two stage identification in dynamic networks 2013 ,		6
104	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
103	Closed-loop identification of a continuous crystallization process. <i>AIChE Journal</i> , 1996 , 42, 767-776	3.6	6
102	Delay structure conditions for identifiability of closed loop systems. <i>Automatica</i> , 1992 , 28, 1047-1050	5.7	6
101	. <i>IEEE Transactions on Automatic Control</i> , 1989 , 34, 191-193	5.9	6
100	Local module identification in dynamic networks with correlated noise: the full input case 2019 ,		6
99	On Representations of Linear Dynamic Networks. <i>IFAC-PapersOnLine</i> , 2018 , 51, 838-843	0.7	6

98	Batch-to-batch model improvement for cooling crystallization. <i>Control Engineering Practice</i> , 2015 , 41, 72-82	3.9	5
97	Abstractions of linear dynamic networks for input selection in local module identification. <i>Automatica</i> , 2020 , 117, 108975	5.7	5
96	Optimal input experiment design and parameter estimation in core-scale pressure oscillation experiments. <i>Journal of Hydrology</i> , 2016 , 534, 534-552	6	5
95	Controllability and observability in two-phase porous media flow. <i>Computational Geosciences</i> , 2013 , 17, 773-788	2.7	5
94	Identification in dynamic networks with known interconnection topology 2012 ,		5
93	Integrated dynamic optimization and control in reservoir engineering using locally identified linear models 2010 ,		5
92	Discretization of Linear Fractional Representations of LPV systems 2009 ,		5
91	Validity of the standard cross-correlation test for model structure validation. <i>Automatica</i> , 2008 , 44, 1285-1294	5.1	5
90	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
89	System Identification with Generalized Orthonormal Basis Functions 2005 , 61-102		5
88	Modelling and Identification with Rational Orthogonal Basis Functions. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2000 , 33, 445-455		5
87			5
86			5
85	On multivariable partial realization <i>International Journal of Control</i> , 1985 , 41, 589-613	1.5	5
84	Informed production optimization in hydrocarbon reservoirs. <i>Optimization and Engineering</i> , 2020 , 21, 25-48	2.1	5
83	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
82	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
81	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 681504). <i>IFAC PapersOnLine</i> , 2017 , 50, 10562-10567	0.7	4

80	A unified experiment design framework for detection and identification in closed-loop performance diagnosis 2012 ,		4
79	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
78	LPV identification of high performance positioning devices 2011 ,		4
77	Model-based control and optimization of large scale physical systems - Challenges in reservoir engineering 2009 ,		4
76	Real-time Dynamic Optimization of Batch Crystallization Processes. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 3246-3251		4
75	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
74	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
73	System order and structure indices of linear systems in polynomial form. <i>International Journal of Control</i> , 1992 , 55, 1471-1490	1.5	4
72	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
71	Allocation of Excitation Signals for Generic Identifiability of Linear Dynamic Networks. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	4
70	Scenario-based robust optimization of water flooding in oil reservoirs enjoys probabilistic guarantees. <i>IFAC-PapersOnLine</i> , 2018 , 51, 102-107	0.7	4
69	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
68	Flow-based dissimilarity measures for reservoir models: a spatial-temporal tensor approach. <i>Computational Geosciences</i> , 2017 , 21, 645-663	2.7	3
67	From closed-loop identification to dynamic networks: Generalization of the direct method 2017 ,		3
66	Non-parametric identification in dynamic networks 2015 ,		3
65	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
64	Iterative Learning Control of supersaturation in batch cooling crystallization 2012 ,		3
63	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

62	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
61	Model sets and parametrizations for identification of multivariable equation error models. <i>Automatica</i> , 1994 , 30, 433-446	5.7	3
60	Generic identifiability of subnetworks in a linear dynamic network: The full measurement case. <i>Automatica</i> , 2022 , 137, 110093	5.7	3
59	Sensor Configuration Problem: Application to a Membrane Separation Unit. <i>IFAC-PapersOnLine</i> , 2016 , 49, 189-194	0.7	3
58	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
57	Generalized sensing and actuation schemes for local module identification in dynamic networks 2019 ,		3
56	A sequential least squares algorithm for ARMAX dynamic network identification. <i>IFAC-PapersOnLine</i> , 2018 , 51, 844-849	0.7	3
55	Identification of Parameters in Large Scale Physical Model Structures, for the Purpose of Model-Based Operations 2009 , 125-143		3
54	Tensor-based reduced order modeling in reservoir engineering: An application to production optimization. <i>IFAC-PapersOnLine</i> , 2015 , 48, 254-259	0.7	2
53	Batch-to-batch strategies for cooling crystallization 2012 ,		2
52	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
51	Towards automatic control of scanning transmission electron microscopes 2009 ,		2
50	Closed-loop performance diagnosis using prediction error identification 2011 ,		2
49	Analysis of closed-loop identification with a tailor-made parametrization 1997 ,		2
48	Orthonormal basis selection for LPV system identification, the Fuzzy-Kolmogorov c-Max approach 2006 ,		2
47			2
46	Identification and Control - Closed Loop Issues. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1994 , 27, 311-323		2
45	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

44	Learning linear modules in a dynamic network using regularized kernel-based methods. <i>Automatica</i> , 2021 , 129, 109591	5.7	2
43	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
42	A dynamic network approach to identification of physical systems 2019 ,		2
41	A frequency domain approach for local module identification in dynamic networks. <i>Automatica</i> , 2022 , 142, 110370	5.7	2
40	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
39	Experiment time minimisation under parameter accuracy constraints and time-domain signal amplitude bounds 2016 ,		1
38	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
37	Handling risk of uncertainty in model-based production optimization: a robust hierarchical approach. <i>IFAC-PapersOnLine</i> , 2015 , 48, 248-253	0.7	1
36	Prediction error identification with rank-reduced output noise 2017 ,		1
35	Direct and indirect continuous-time identification in dynamic networks 2014 ,		1
34	Trade-off between the control bandwidth and the measurement accuracy in Atomic Force Microscopy 2012 ,		1
33	Experiment design for batch-to-batch model-based learning control 2013 ,		1
32	Lexicographic optimization of multiple economic objectives in oil production from petroleum reservoirs 2010 ,		1
31	Boundary control of two-phase fluid flow using the Laplace-space domain 2011 ,		1
30	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
29	Virtual closed loop identification: A generalized tool for identification in closed loop 2008 ,		1
28	Probabilistic uncertainty bounding in output error models with unmodelled dynamics 2006 ,		1
27	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

26	IV methods for closed-loop system identification. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 513-518		1
25	Control-Relevant Uncertainty Modelling Directed Towards Performance Robustness. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1996 , 29, 4034-4039		1
24			1
23	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
22	Active deformation control for a magnetically-levitated planar motor mover. <i>IEEE Transactions on Industry Applications</i> , 2021 , 1-1	4.3	1
21	On dynamic network modeling of stationary multivariate processes. <i>IFAC-PapersOnLine</i> , 2018 , 51, 850-857	5.7	1
20	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
19	On Data-Driven Control: Informativity of Noisy Input-Output Data With Cross-Covariance Bounds 2022 , 6, 2192-2197		0
18	Scalable distributed H2 controller synthesis for interconnected linear discrete-time systems. <i>IFAC-PapersOnLine</i> , 2021 , 54, 66-71	0.7	0
17	Handling unmeasured disturbances in data-driven distributed control with virtual reference feedback tuning. <i>IFAC-PapersOnLine</i> , 2021 , 54, 204-209	0.7	0
16	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	
15	Underground Reservoir Identification Using Generalized Wellbore Data. <i>IFAC-PapersOnLine</i> , 2015 , 48, 307-308	0.7	
14	Prof.ir. Okko H. Bosgra [Obituary]. <i>IEEE Control Systems</i> , 2013 , 33, 88-89	2.9	
13	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		
12	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	
11	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		
10	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		
9	Partial Realization in Generalized Bases: Algorithm and Example. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2000 , 33, 469-474		

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