Paul M J Van Den Hof

List of Publications by Year
in descending order

212	5,936	87723	91712
papers	citations	38 h-index	69 g-index

217	217	217	2281
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identification and control â€" Closed-loop issues. Automatica, 1995, 31, 1751-1770.	3.0	382
2	A generalized orthonormal basis for linear dynamical systems. IEEE Transactions on Automatic Control, 1995, 40, 451-465.	3.6	287
3	System identification with generalized orthonormal basis functions. Automatica, 1995, 31, 1821-1834.	3.0	271
4	Robust Waterflooding Optimization of Multiple Geological Scenarios. SPE Journal, 2009, 14, 202-210.	1.7	232
5	An indirect method for transfer function estimation from closed loop data. Automatica, 1993, 29, 1523-1527.	3.0	205
6	Closed-loop issues in system identification. Annual Reviews in Control, 1998, 22, 173-186.	4.4	202
7	Least costly identification experiment for control. Automatica, 2006, 42, 1651-1662.	3.0	180
8	Identification of dynamic models in complex networks with prediction error methodsâ€"Basic methods for consistent module estimates. Automatica, 2013, 49, 2994-3006.	3.0	163
9	Identification and Control - Closed Loop Issues. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1994, 27, 311-323.	0.4	141
10	The egg model â€" a geological ensemble for reservoir simulation. Geoscience Data Journal, 2014, 1, 192-195.	1.8	127
11	Model-based control of multiphase flow in subsurface oil reservoirs. Journal of Process Control, 2008, 18, 846-855.	1.7	121
12	Opportunities and challenges for process control in process intensification. Chemical Engineering and Processing: Process Intensification, 2012, 52, 1-15.	1.8	121
13	Instrumental variable methods for closed-loop system identification. Automatica, 2005, 41, 241-249.	3.0	114
14	Hierarchical Long-Term and Short-Term Production Optimization. SPE Journal, 2011, 16, 191-199.	1.7	108
15	Distributed lighting control with daylight and occupancy adaptation. Energy and Buildings, 2014, 75, 321-329.	3.1	95
16	Identification of Normalised Coprime Plant Factors from Closed-loop Experimental Data. European Journal of Control, 1995, 1, 62-74.	1.6	84
17	Modelling and Identification with Rational Orthogonal Basis Functions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 445-455.	0.4	84
18	Identification of Dynamic Models in Complex Networks With Prediction Error Methods: Predictor Input Selection. IEEE Transactions on Automatic Control, 2016, 61, 937-952.	3.6	84

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19	Quantification of uncertainty in transfer function estimation: a mixed probabilistic-worst-case approach. Automatica, 1995, 31, 543-557.	3.0	82
20	Asymptotically optimal orthonormal basis functions for LPV system identification. Automatica, 2009, 45, 1359-1370.	3.0	76
21	Bang-bang control and singular arcs in reservoir flooding. Journal of Petroleum Science and Engineering, 2007, 58, 186-200.	2.1	72
22	A comparison of nonlinear observers for output feedback model-based control of seeded batch crystallization processes. Journal of Process Control, 2011, 21, 652-666.	1.7	66
23	Parameter estimation of an electrochemistry-based lithium-ion battery model using a two-step procedure and a parameter sensitivity analysis. International Journal of Energy Research, 2018, 42, 2417-2430.	2.2	64
24	A control oriented study on the numerical solution of the population balance equation for crystallization processes. Chemical Engineering Science, 2009, 64, 4262-4277.	1.9	63
25	Identifiability of linear dynamic networks. Automatica, 2018, 89, 247-258.	3.0	62
26	Identification of probabilistic system uncertainty regions by explicit evaluation of bias and variance errors. IEEE Transactions on Automatic Control, 1997, 42, 1516-1528.	3.6	61
27	Relations between uncertainty structures in identification for robust control. Automatica, 2005, 41, 439-457.	3.0	61
28	Optimal instrumental variable method for closed-loop identification. IET Control Theory and Applications, 2011, 5, 1147-1154.	1.2	58
29	Discrete time LPV I/O and state space representations, differences of behavior and pitfalls of interpolation. , 2007, , .		57
30	Nonlinear Model-Based Control of a Semi-Industrial Batch Crystallizer Using a Population Balance Modeling Framework. IEEE Transactions on Control Systems Technology, 2012, 20, 1188-1201.	3.2	54
31	Discretisation of linear parameter-varying state-space representations. IET Control Theory and Applications, 2010, 4, 2082-2096.	1.2	52
32	Errors-in-variables identification in dynamic networks â€" Consistency results for an instrumental variable approach. Automatica, 2015, 62, 39-50.	3.0	48
33	Asymptotic variance expressions for closed-loop identification. Automatica, 2001, 37, 781-786.	3.0	47
34	On the relation between a bias-eliminated least-squares (BELS) and an IV estimator in closed-loop identification. Automatica, 2001, 37, 1593-1600.	3.0	46
35	A model-based control framework for industrial batch crystallization processes. Chemical Engineering Research and Design, 2010, 88, 1223-1233.	2.7	46
36	Realâ€time control of a semiâ€industrial fedâ€batch evaporative crystallizer using different direct optimization strategies. AICHE Journal, 2011, 57, 1557-1569.	1.8	44

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37	The Behavioral Approach to Linear Parameter-Varying Systems. IEEE Transactions on Automatic Control, 2011, 56, 2499-2514.	3.6	42
38	Approximate identification with closed-loop performance criterion and application to LQG feedback design. Automatica, 1994, 30, 679-690.	3.0	41
39	Frequency domain identification with generalized orthonormal basis functions. IEEE Transactions on Automatic Control, 1998, 43, 656-669.	3.6	39
40	Ensemble-Based Multiobjective Optimization of On/Off Control Devices Under Geological Uncertainty. SPE Reservoir Evaluation and Engineering, 2015, 18, 554-563.	1.1	37
41	Identifiability in dynamic network identification. IFAC-PapersOnLine, 2015, 48, 1409-1414.	0.5	35
42	Controllability, observability and identifiability in single-phase porous media flow. Computational Geosciences, 2008, 12, 605-622.	1.2	34
43	Value of information in closed-loop reservoir management. Computational Geosciences, 2016, 20, 737-749.	1.2	34
44	Test for local structural identifiability of high-order non-linearly parametrized state space models. Automatica, 1996, 32, 875-883.	3.0	33
45	Cheapest open-loop identification for control. , 2004, , .		32
46	Prediction error identification of linear dynamic networks with rank-reduced noise. Automatica, 2018, 98, 256-268.	3.0	32
47	Frequency domain curve fitting with maximum amplitude criterion and guaranteed stability. International Journal of Control, 1994, 60, 809-825.	1.2	31
48	Improving the Ensemble-Optimization Method Through Covariance-Matrix Adaptation. SPE Journal, 2015, 20, 155-168.	1.7	31
49	Consistent parameter bounding identification for linearly parametrized model sets. Automatica, 1995, 31, 957-969.	3.0	30
50	A virtual closed loop method for closed loop identification. Automatica, 2011, 47, 1626-1637.	3.0	30
51	Approximate realization based upon an alternative to the Hankel matrix: the Page matrix. Systems and Control Letters, 1982, 2, 202-208.	1.3	29
52	MIMO closed-loop identification of an MSW incinerator. Control Engineering Practice, 2002, 10, 315-326.	3.2	29
53	Data-driven model improvement for model-based control. Automatica, 2015, 52, 118-124.	3.0	29
54	Multivariable feedback relevant system identification of a wafer stepper system. IEEE Transactions on Control Systems Technology, 2001, 9, 381-390.	3.2	27

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55	On the Discretization of Linear Fractional Representations of LPV Systems. IEEE Transactions on Control Systems Technology, 2012, 20, 1473-1489.	3.2	27
56	A Local Direct Method for Module Identification in Dynamic Networks With Correlated Noise. IEEE Transactions on Automatic Control, 2021, 66, 5237-5252.	3.6	27
57	Controller tuning freedom under plant identification uncertainty: double Youla beats gap in robust stability. Automatica, 2003, 39, 325-333.	3.0	26
58	A generalized orthonormal basis for linear dynamical systems. , 0, , .		24
59	A Two-Level Strategy to Realize Life-Cycle Production Optimization in an Operational Setting. SPE Journal, 2013, 18, 1057-1066.	1.7	23
60	Ensemble-based hierarchical multi-objective production optimization of smart wells. Computational Geosciences, 2014, 18, 449-461.	1.2	23
61	Closed-Loop Issues in System Identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 1547-1560.	0.4	22
62	Orthonormal Basis Functions in Time and Frequency Domain: Hambo Transform Theory. SIAM Journal on Control and Optimization, 2003, 42, 1347-1373.	1.1	21
63	Determining Identifiable Parameterizations for Large-scale Physical Models in Reservoir Engineering. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 11421-11426.	0.4	20
64	Order and structural dependence selection of LPV-ARX models using a nonnegative garrote approach. , 2009, , .		20
65	Identification of normalized coprime plant factors for iterative model and controller enhancement. , 0, , .		19
66	The Hambo Transform: A Signal and System Transform Induced by Generalized Orthonormal Basis Functions. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 4285-4290.	0.4	19
67	Identifiability: from qualitative analysis to model structure approximation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 664-669.	0.4	19
68	Multivariable frequency domain identification using IV-based linear regression. , 2010, , .		19
69	Prediction-Error Identification of LPV Systems: Present and Beyond. , 2012, , 27-58.		18
70	Data-driven and model-based verification via Bayesian identification and reachability analysis. Automatica, 2017, 79, 115-126.	3.0	17
71	Quantification of model uncertainty from data. International Journal of Robust and Nonlinear Control, 1994, 4, 301-319.	2.1	16
72	Minimal partial realization from generalized orthonormal basis function expansions. Automatica, 2002, 38, 655-669.	3.0	16

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73	A REFINED IV METHOD FOR CLOSED-LOOP SYSTEM IDENTIFICATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 903-908.	0.4	16
74	Trajectory planning and trajectory tracking for a small-scale helicopter in autorotation. Control Engineering Practice, 2017, 58, 88-106.	3.2	16
75	Instrumental Variable Methods for Closed-loop Continuous-time Model Identification. Advances in Industrial Control, 2008, , 133-160.	0.4	16
76	Equation error versus output error methods. Ergonomics, 1992, 35, 551-564.	1.1	15
77	Analysis of Closed-Loop Identification with a Tailor-Made Parameterization. European Journal of Control, 2000, 6, 54-62.	1.6	15
78	Dynamic network structure identification with prediction error methods - basic examples. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 876-881.	0.4	15
79	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 Unionâ€™s Horizon 2020 research and innovation programme (grant agreement No 694504).. IFAC-PapersOnLine, 2017, 50, 3983-3988.	0.5	14
80	Bayesian topology identification of linear dynamic networks. , 2019, , .		14
81	Control relevant identification of a compact disc pick-up mechanism. , 0, , .		13
82	Analysis of closed-loop identification with a tailor-made parametrization. , 1997, , .		13
83	Predictor input selection for direct identification in dynamic networks. , 2013, , .		13
84	Experiment design for parameter estimation in nonlinear systems based on multilevel excitation. , 2014, , .		13
85	Identification of dynamic networks operating in the presence of algebraic loops. , 2016, , .		13
86	Robust optimization of water-flooding in oil reservoirs using risk management tools. IFAC-PapersOnLine, 2016, 49, 133-138.	0.5	13
87	Local Module Identification in Dynamic Networks Using Regularized Kernel-Based Methods. , 2018, , .		13
88	Extended Hoâ€“Kalman algorithm for systems represented in generalized orthonormal bases. Automatica, 2000, 36, 1809-1818.	3.0	12
89	Recent developments in model-based optimization and control of subsurface flow in oil reservoirs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 189-200.	0.4	12
90	Model and Economic Uncertainties in Balancing Short-Term and Long-Term Objectives in Water-Flooding Optimization. , 2015, , .		12

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91	Allocation of Excitation Signals for Generic Identifiability of Dynamic Networks. , 2019, , .		12
92	Abstractions of linear dynamic networks for input selection in local module identification. Automatica, 2020, 117, 108975.	3.0	12
93	Allocation of Excitation Signals for Generic Identifiability of Linear Dynamic Networks. IEEE Transactions on Automatic Control, 2022, 67, 692-705.	3.6	12
94	A variance reduction technique for identification in dynamic networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 2842-2847.	0.4	11
95	Risk management in oil reservoir water-flooding under economic uncertainty. , 2015, , .		11
96	Least costly closed-loop performance diagnosis and plant re-identification. International Journal of Control, 2015, 88, 2264-2276.	1.2	11
97	Identifiability of dynamic networks with part of the nodes noise-free. IFAC-PapersOnLine, 2016, 49, 19-24.	0.5	11
98	Single Module Identifiability in Linear Dynamic Networks. , 2018, , .		11
99	Local module identification in dynamic networks with correlated noise: the full input case. , 2019, , .		11
100	Learning linear modules in a dynamic network using regularized kernel-based methods. Automatica, 2021, 129, 109591.	3.0	11
101	Some asymptotic properties of multivariable models identified by equation error techniques. IEEE Transactions on Automatic Control, 1987, 32, 89-92.	3.6	10
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103	Hierarchical Long Term and Short Term Production Optimization. , 2009, , .		10
104	Controllability and observability in two-phase porous media flow. Computational Geosciences, 2013, 17, 773-788.	1.2	10
105	Criterion based equivalence for equation error models. IEEE Transactions on Automatic Control, 1989, 34, 191-193.	3.6	9
106	Closed-loop identification of a continuous crystallization process. AICHE Journal, 1996, 42, 767-776.	1.8	9
107	Closed-loop identification of multivariable processes with part of the inputs controlled. International Journal of Control, 2007, 80, 1552-1561.	1.2	9
108	Discretization of Linear Fractional Representations of LPV systems. , 2009, , .		9

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109	LPV identification of high performance positioning devices. , 2011, , .		9
110	Identification in dynamic networks with known interconnection topology. , 2012, , .		9
111	On multivariable partial realizationâ€. International Journal of Control, 1985, 41, 589-613.	1.2	8
112	Validity of the standard cross-correlation test for model structure validation. Automatica, 2008, 44, 1285-1294.	3.0	8
113	Refined Instrumental Variable methods for closed-loop system identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 284-289.	0.4	8
114	Optimal control for power-off landing of a small-scale helicopter a pseudospectral approach. , 2012, , .		8
115	Tensor-based reduced order modeling in reservoir engineering: An application to production optimizationâˆ—â€”The authors acknowledge financial support from the Recovery Factory program sponsored by Shell Global Solutions International.. IFAC-PapersOnLine, 2015, 48, 254-259.	0.5	8
116	A sequential least squares algorithm for ARMAX dynamic network identification. IFAC-PapersOnLine, 2018, 51, 844-849.	0.5	8
117	On Representations of Linear Dynamic Networks. IFAC-PapersOnLine, 2018, 51, 838-843.	0.5	8
118	Single Module Identifiability in Linear Dynamic Networks With Partial Excitation and Measurement. IEEE Transactions on Automatic Control, 2023, 68, 285-300.	3.6	8
119	On Data-Driven Control: Informativity of Noisy Input-Output Data With Cross-Covariance Bounds. , 2022, 6, 2192-2197.		8
120	Generic identifiability of subnetworks in a linear dynamic network: The full measurement case. Automatica, 2022, 137, 110093.	3.0	8
121	Delay structure conditions for identifiability of closed loop systems. Automatica, 1992, 28, 1047-1050.	3.0	7
122	On nominal models, model uncertainty and iterative methods in identification and control design. Lecture Notes in Control and Information Sciences, 1994, , 39-50.	0.6	7
123	PROBABILISTIC MODEL UNCERTAINTY BOUNDING: AN APPROACH WITH FINITE-TIME PERSPECTIVES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 1021-1026.	0.4	7
124	Integrated dynamic optimization and control in reservoir engineering using locally identified linear models. , 2010, , .		7
125	Informative data and identifiability in LPV-ARX prediction-error identification. , 2011, , .		7
126	Dynamic network identification using the direct prediction-error method. , 2012, , .		7

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127	Dynamics, load balancing, and modal control of piezoelectric tube actuators. Mechatronics, 2012, 22, 282-294.	2.0	7
128	Integrated design of the feedback controller and topography estimator for atomic force microscopy. Control Engineering Practice, 2013, 21, 1110-1120.	3.2	7
129	Errors-in-Variables Identification in Dynamic Networks by an Instrumental Variable Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 2335-2340.	0.4	7
130	Identification in dynamic networks. Computers and Chemical Engineering, 2018, 109, 23-29.	2.0	7
131	Informed production optimization in hydrocarbon reservoirs. Optimization and Engineering, 2020, 21, 25-48.	1.3	7
132	Excitation allocation for generic identifiability of a single module in dynamic networks: A graphic approach. IFAC-PapersOnLine, 2020, 53, 40-45.	0.5	7
133	A scalable multi-step least squares method for network identification with unknown disturbance topology. Automatica, 2022, 141, 110295.	3.0	7
134	IV methods for closed-loop system identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 513-518.	0.4	6
135	Real-time Dynamic Optimization of Batch Crystallization Processes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 3246-3251.	0.4	6
136	Hierarchical Economic Optimization of Oil Production from Petroleum Reservoirs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 738-743.	0.4	6
137	Predictor input selection for two stage identification in dynamic networks. , 2013, , .		6
138	Pressure-Transient Analysis of Bottomhole Pressure and Rate Measurements by Use of System-Identification Techniques. SPE Journal, 2015, 20, 1005-1027.	1.7	6
139	Batch-to-batch model improvement for cooling crystallization. Control Engineering Practice, 2015, 41, 72-82.	3.2	6
140	Sensor Configuration Problem: Application to a Membrane Separation Unit**This work has been done within the project "Improved Process Operation via Rigorous Simulation Models (IMPROVISE)" in the Institute for Sustainable Process Technology (ISPT).. IFAC-PapersOnLine, 2016, 49, 189-194.	0.5	6
141	Optimal input experiment design and parameter estimation in core-scale pressure oscillation experiments. Journal of Hydrology, 2016, 534, 534-552.	2.3	6
142	Generalized sensing and actuation schemes for local module identification in dynamic networks. , 2019, , .		6
143	Active Deformation Control for a Magnetically Levitated Planar Motor Mover. IEEE Transactions on Industry Applications, 2022, 58, 242-249.	3.3	6
144	A frequency domain approach for local module identification in dynamic networks. Automatica, 2022, 142, 110370.	3.0	6

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145	System order and structure indices of linear systems in polynomial form. International Journal of Control, 1992, 55, 1471-1490.	1.2	5
146	Connecting System Identification and Robust Control by a Factorization Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 131-136.	0.4	5
147	Accelerating simulations of computationally intensive first principle models using accurate quasi-linear parameter varying models. Journal of Process Control, 2009, 19, 1601-1609.	1.7	5
148	Towards Integrated Design of a Robust Feedback Controller and Topography Estimator for Atomic Force Microscopy. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 12709-12714.	0.4	5
149	Parameter identification in large-scale models for oil and gas production. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 10857-10862.	0.4	5
150	Flow-based dissimilarity measures for reservoir models: a spatial-temporal tensor approach. Computational Geosciences, 2017, 21, 645-663.	1.2	5
151	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 Unionâ€™s Horizon 2020 research and innovation programme (grant agreement No 694504).. IFAC-PapersOnLine, 2017, 50, 10562-10567.	0.5	5
152	From closed-loop identification to dynamic networks: Generalization of the direct method. , 2017, , .		5
153	A dynamic network approach to identification of physical systems. , 2019, , .		5
154	A Bayesian method for inference of effective connectivity in brain networks for detecting the Mozart effect. Computers in Biology and Medicine, 2020, 127, 104055.	3.9	5
155	Identification of Parameters in Large Scale Physical Model Structures, for the Purpose of Model-Based Operations. , 2009, , 125-143.		5
156	A unified approach to stability robustness for uncertainty descriptions based on fractional model representations. IEEE Transactions on Automatic Control, 1996, 41, 723-727.	3.6	4
157	Control-Relevant Uncertainty Modelling Directed Towards Performance Robustness. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 4034-4039.	0.4	4
158	CONTROLLER TUNING FREEDOM UNDER PLANT IDENTIFICATION UNCERTAINTY: DOUBLE YOULA BEATS GAP IN ROBUST STABILITY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 259-264.	0.4	4
159	Relation between uncertainty structures in identification for robust control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 33-38.	0.4	4
160	Model-based control and optimization of large scale physical systems - Challenges in reservoir engineering. , 2009, , .		4
161	Iterative Learning Control of supersaturation in batch cooling crystallization. , 2012, , .		4
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163	Errors-in-Variables identification in bilaterally coupled systems with application to oil well testing. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 4656-4661.	0.4	4
164	Advanced autonomous model-based operation of industrial process systems (Autoprofit): Technological developments and future perspectives. Annual Reviews in Control, 2016, 42, 126-142.	4.4	4
165	Verification of General Markov Decision Processes by Approximate Similarity Relations and Policy Refinement. Lecture Notes in Computer Science, 2016, , 227-243.	1.0	4
166	Scenario-based robust optimization of water flooding in oil reservoirs enjoys probabilistic guarantees. IFAC-PapersOnLine, 2018, 51, 102-107.	0.5	4
167	Consistent parameter bounding identification using cross-covariance constraints on the noise. , 0, , .		3
168	Model sets and parametrizations for identification of multivariable equation error models. Automatica, 1994, 30, 433-446.	3.0	3
169	VALIDITY OF THE STANDARD CROSS-CORRELATION TEST FOR MODEL STRUCTURE VALIDATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 898-903.	0.4	3
170	Closed-loop performance diagnosis using prediction error identification. , 2011, , .		3
171	Batch-to-batch strategies for cooling crystallization. , 2012, , .		3
172	Handling risk of uncertainty in model-based production optimization: a robust hierarchical approach. IFAC-PapersOnLine, 2015, 48, 248-253.	0.5	3
173	Non-parametric identification in dynamic networks. , 2015, , .		3
174	Controller identification for data-driven model-reference distributed control. , 2021, , .		3
175	Learning local modules in dynamic networks without prior topology information. , 2021, , .		3
176	Quantification of model uncertainty from experimental data: a mixed deterministic-probabilistic approach. , 0, , .		2
177	CLOSID - A Matlab Toolbox for Closed-Loop System Identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 857-861.	0.4	2
178	Probabilistic uncertainty bounding in output error models with unmodelled dynamics. , 2006, , .		2
179	Orthonormal basis selection for LPV system identification, the Fuzzy-Kolmogorov c-Max approach. , 2006, , .		2
180	Towards automatic control of scanning transmission electron microscopes. , 2009, , .		2

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181	Boundary control of two-phase fluid flow using the Laplace-space domain. , 2011, , .		2
182	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.. IFAC-PapersOnLine, 2017, 50, 11275-11280.	0.5	2
183	Prediction error identification with rank-reduced output noise. , 2017, , .		2
184	On dynamic network modeling of stationary multivariate processes. IFAC-PapersOnLine, 2018, 51, 850-855.	0.5	2
185	An instrumental variable method for closed-loop identification of coreless linear motors. , 2018, , .		2
186	Scalable distributed H2 controller synthesis for interconnected linear discrete-time systems. IFAC-PapersOnLine, 2021, 54, 66-71.	0.5	2
187	Handling unmeasured disturbances in data-driven distributed control with virtual reference feedback tuning. IFAC-PapersOnLine, 2021, 54, 204-209.	0.5	2
188	H _{âˆž} performance analysis and distributed controller synthesis for interconnected linear systems from noisy input-state data. , 2021, , .		2
189	Model Set Determination and its Application to the Control of Compact Disc Players. European Journal of Control, 1998, 4, 99-115.	1.6	1
190	Performance enhancement on the basis of identified model uncertainty sets with application to a CD mechanism. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 3295-3300.	0.4	1
191	Partial Realization in Generalized Bases: Algorithm and Example. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 469-474.	0.4	1
192	Virtual closed loop identification: A generalized tool for identification in closed loop. , 2008, , .		1
193	Lexicographic optimization of multiple economic objectives in oil production from petroleum reservoirs. , 2010, , .		1
194	Trade-off between the control bandwidth and the measurement accuracy in Atomic Force Microscopy. , 2012, , .		1
195	Experiment design for batch-to-batch model-based learning control. , 2013, , .		1
196	Direct and indirect continuous-time identification in dynamic networks. , 2014, , .		1
197	Experiment time minimisation under parameter accuracy constraints and time-domain signal amplitude bounds. , 2016, , .		1
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