

# Lennart Ljung

## List of Publications by Year in descending order

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260  
papers

20,234  
citations

23567

58  
h-index

14208

128  
g-index

267  
all docs

267  
docs citations

267  
times ranked

8246  
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear Quadratic Control Using Model-Free Reinforcement Learning. IEEE Transactions on Automatic Control, 2023, 68, 737-752.	5.7	8
2	Regularization for Nonlinear System Identification. Communications and Control Engineering, 2022, , 313-342.	1.6	1
3	Deep State Space Models for Nonlinear System Identification. IFAC-PapersOnLine, 2021, 54, 481-486.	0.9	25
4	System Identification: An Overview. , 2021, , 2302-2317.		2
5	Kernel-based Regularized Iterative Learning Control of Repetitive Linear Time-varying Systems. IFAC-PapersOnLine, 2021, 54, 738-743.	0.9	1
6	Revisiting Total Model Errors and Model Validation. Journal of Systems Science and Complexity, 2021, 34, 1598-1603.	2.8	2
7	System Aliasing in Dynamic Network Reconstruction: Issues on Low Sampling Frequencies. IEEE Transactions on Automatic Control, 2021, 66, 5788-5801.	5.7	1
8	On Asymptotic Distribution of Generalized Cross Validation Hyper-parameter Estimator for Regularized System Identification. , 2021, , .		2
9	A shift in paradigm for system identification. International Journal of Control, 2020, 93, 173-180.	1.9	70
10	Constrained Subspace Method for the Identification of Structured State-Space Models (COSMOS). IEEE Transactions on Automatic Control, 2020, 65, 4201-4214.	5.7	60
11	On Local LTI Model Coherence for LPV Interpolation. IEEE Transactions on Automatic Control, 2020, 65, 3671-3676.	5.7	3
12	Deep Learning and System Identification. IFAC-PapersOnLine, 2020, 53, 1175-1181.	0.9	82
13	On the Influence of Ill-conditioned Regression Matrix on Hyper-parameter Estimators for Kernel-based Regularization Methods. , 2020, , .		5
14	Benchmark problems for continuous-time model identification: Design aspects, results and perspectives. Automatica, 2019, 107, 511-517.	5.0	11
15	A Tutorial on Auditory Attention Identification Methods. Frontiers in Neuroscience, 2019, 13, 153.	2.8	47
16	An Atomic Norm Minimization Framework for Identification of Parameter Varying Nonlinear ARX Models. IFAC-PapersOnLine, 2019, 52, 1-6.	0.9	0
17	Nonlinear System Identification: A User-Oriented Road Map. IEEE Control Systems, 2019, 39, 28-99.	0.8	241
18	System Identification: An Overview. , 2019, , 1-15.		1

#	ARTICLE	IF	CITATIONS
19	Identification of Nonlinear State-Space Systems From Heterogeneous Datasets. IEEE Transactions on Control of Network Systems, 2018, 5, 737-747.	3.7	13
20	Identification of structured state-space models. Automatica, 2018, 90, 54-61.	5.0	43
21	Asymptotic Properties of Hyperparameter Estimators by Using Cross-Validations for Regularized System Identification. , 2018, , .		9
22	Regularized LTI System Identification with Multiple Regularization Matrix. IFAC-PapersOnLine, 2018, 51, 180-185.	0.9	7
23	Affinely Parametrized State-space Models: Ways to Maximize the Likelihood Function. IFAC-PapersOnLine, 2018, 51, 718-723.	0.9	2
24	A Rank Minimization Formulation for Identification of Linear Parameter Varying Models. IFAC-PapersOnLine, 2018, 51, 74-80.	0.9	1
25	Online Features in the MATLAB® System Identification Toolbox™. IFAC-PapersOnLine, 2018, 51, 700-705.	0.9	5
26	Asymptotic Properties of Generalized Cross Validation Estimators for Regularized System Identification. IFAC-PapersOnLine, 2018, 51, 203-208.	0.9	20
27	On asymptotic properties of hyperparameter estimators for kernel-based regularization methods. Automatica, 2018, 94, 381-395.	5.0	55
28	Algorithms and Performance Analysis for Stochastic Wiener System Identification. , 2018, 2, 471-476.		5
29	Maximum Entropy Kernels for System Identification. IEEE Transactions on Automatic Control, 2017, 62, 1471-1477.	5.7	37
30	Generalized Kalman smoothing: Modeling and algorithms. Automatica, 2017, 86, 63-86.	5.0	80
31	From structurally independent local LTI models to LPV model. Automatica, 2017, 84, 232-235.	5.0	13
32	On definition and inference of nonlinear Boolean dynamic networks. , 2017, , .		1
33	Linear Dynamic Network Reconstruction from Heterogeneous Datasets. IFAC-PapersOnLine, 2017, 50, 10586-10591.	0.9	12
34	Gray Box Identification Using Difference of Convex Programming. IFAC-PapersOnLine, 2017, 50, 9462-9467.	0.9	2
35	Tuning of Hyperparameters for FIR models – an Asymptotic Theory. IFAC-PapersOnLine, 2017, 50, 2818-2823.	0.9	9
36	On the input design for kernel-based regularized LTI system identification: Power-constrained inputs. , 2017, , .		8

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37	Continuous-time DC kernel " A stable generalized first order spline kernel. , 2016, , .		3
38	Maximum entropy properties of discrete-time first-order stable spline kernel. Automatica, 2016, 66, 34-38.	5.0	38
39	Regularized linear system identification using atomic, nuclear and kernel-based norms: The role of the stability constraint. Automatica, 2016, 69, 137-149.	5.0	50
40	Identification of Stochastic Wiener Systems using Indirect Inference**This work was partially supported by the Swedish Research Council and the Linnaeus Center ACCESS at KTH. The research leading to these results has received funding from The European Research Council under the European Community's Seventh Framework program (FP7 2007-2013) / ERC Grant Agreement N. 267381. IFAC-PapersOnLine, 2015, 48, 620-625.	0.9	8
41	Regularization Features in the System Identification Toolbox. IFAC-PapersOnLine, 2015, 48, 745-750.	0.9	14
42	Model Error Modeling and Stochastic Embedding. IFAC-PapersOnLine, 2015, 48, 75-79.	0.9	11
43	Regularized system identification using orthonormal basis functions. , 2015, , .		26
44	Spectral analysis of the DC kernel for regularized system identification. , 2015, , .		4
45	On kernel structures for regularized system identification (I): a machine learning perspective**This work has been supported by a research grant for junior researchers No. 621-2014-5894 and the Linnaeus Center CADICS, both funded by the Swedish Research Council, and the ERC advanced grant LEARN, No. 267381, funded by the European Research Council. <a href="http://www.hamecmopsys.ens2m.fr..">http://www.hamecmopsys.ens2m.fr..</a>	0.9	7
46	On kernel structures for regularized system identification (II): a system theory perspective**This work has been supported by a research grant for junior researchers No. 621-2014-5894 and the Linnaeus Center CADICS, both funded by the Swedish Research Council, and the ERC advanced grant LEARN, No. 267381, funded by the European Research Council. <a href="http://www.hamecmopsys.ens2m.fr..">http://www.hamecmopsys.ens2m.fr..</a>	0.9	9
47	Using horizon estimation and nonlinear optimization for grey-box identification. Journal of Process Control, 2015, 30, 69-79.	3.3	10
48	Anomaly detection in homogenous populations: A sparse multiple kernel-based regularization method. , 2014, , .		1
49	Stochastic Embedding revisited: A modern interpretation. , 2014, , .		13
50	Identification of wiener systems with process noise is a nonlinear errors-in-variables problem. , 2014, , .		9
51	System Identification: An Overview. , 2014, , 1-20.		4
52	Kernel methods in system identification, machine learning and function estimation: A survey. Automatica, 2014, 50, 657-682.	5.0	714
53	Scalable anomaly detection in large homogeneous populations. Automatica, 2014, 50, 1459-1465.	5.0	7
54	System Identification Via Sparse Multiple Kernel-Based Regularization Using Sequential Convex Optimization Techniques. IEEE Transactions on Automatic Control, 2014, 59, 2933-2945.	5.7	127

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55	Constructive state space model induced kernels for regularized system identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 1047-1052.	0.4	10
56	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
57	Implementation of algorithms for tuning parameters in regularized least squares problems in system identification. Automatica, 2013, 49, 2213-2220.	5.0	101
58	Some Classical and Some New Ideas for Identification of Linear Systems. Journal of Control, Automation and Electrical Systems, 2013, 24, 3-10.	2.0	19
59	Identification of Hammersteinâ€“Wiener models. Automatica, 2013, 49, 70-81.	5.0	232
60	Identification of switched linear regression models using sum-of-norms regularization. Automatica, 2013, 49, 1045-1050.	5.0	101
61	Sparse control using sum-of-norms regularized model predictive control. , 2013, , .		17
62	Kernel-based model order selection for identification and prediction of linear dynamic systems. , 2013, , .		8
63	Regularization strategies for nonparametric system identification. , 2013, , .		13
64	Rank-1 kernels for regularized system identification. , 2013, , .		6
65	Convexity issues in system identification. , 2013, , .		15
66	Kernel-based model order selection for linear system identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 257-262.	0.4	1
67	Distributed Change Detection*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 77-82.	0.4	1
68	Version 8 of the Matlab System Identification Toolbox. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1826-1831.	0.4	44
69	Impulse response estimation with binary measurements: a regularized FIR model approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 113-118.	0.4	19
70	Sparse multiple kernels for impulse response estimation with majorization minimization algorithms. , 2012, , .		8
71	On the estimation of transfer functions, regularizations and Gaussian processesâ€“Revisited. Automatica, 2012, 48, 1525-1535.	5.0	405
72	Smoothed state estimates under abrupt changes using sum-of-norms regularization. Automatica, 2012, 48, 595-605.	5.0	38

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73	Weight Determination by Manifold Regularization. Lecture Notes in Control and Information Sciences, 2012, , 195-214.	1.0	0
74	Clustering using sum-of-norms regularization: With application to particle filter output computation. , 2011, , .		41
75	A General Convergence Result for Particle Filtering. IEEE Transactions on Signal Processing, 2011, 59, 3424-3429.	5.3	45
76	Four Encounters with System Identification. European Journal of Control, 2011, 17, 449-471.	2.6	54
77	Decentralized Particle Filter With Arbitrary State Decomposition. IEEE Transactions on Signal Processing, 2011, 59, 465-478.	5.3	32
78	On the Estimation of Transfer Functions, Regularizations and Gaussian Processes â€“ Revisited. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 2303-2308.	0.4	5
79	Identification of Piecewise Affine Systems Using Sum-of-Norms Regularization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 6640-6645.	0.4	12
80	Blind Identification of Wiener Models*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 5597-5602.	0.4	13
81	Segmentation of time series from nonlinear dynamical systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 13209-13214.	0.4	5
82	Difference algebra and system identification. Automatica, 2011, 47, 1896-1904.	5.0	8
83	Kernel selection in linear system identification part II: A classical perspective. , 2011, , .		29
84	A convex approach to subspace clustering. , 2011, , .		2
85	On the accuracy of parameter estimation for continuous time nonlinear systems from sampled data. , 2011, , .		3
86	Perspectives on system identification. Annual Reviews in Control, 2010, 34, 1-12.	7.9	458
87	Frequency domain identification of continuous-time output error models, Part II: Non-uniformly sampled data and B-spline output approximation. Automatica, 2010, 46, 11-18.	5.0	24
88	Frequency domain identification of continuous-time output error models, Part I: Uniformly sampled data and frequency function approximation. Automatica, 2010, 46, 1-10.	5.0	22
89	Issues in sampling and estimating continuous-time models with stochastic disturbances. Automatica, 2010, 46, 925-931.	5.0	41
90	Segmentation of ARX-models using sum-of-norms regularization. Automatica, 2010, 46, 1107-1111.	5.0	116

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91	Decentralization of particle filters using arbitrary state decomposition. , 2010, , .		1
92	State smoothing by sum-of-norms regularization. , 2010, , .		22
93	Trajectory generation using sum-of-norms regularization. , 2010, , .		12
94	Wiener System Identification Using the Maximum Likelihood Method. Lecture Notes in Control and Information Sciences, 2010, , 89-110.	1.0	12
95	Semi-supervised Regression and System Identification,. , 2010, , 343-360.		1
96	Revisiting the Two-Stage Algorithm for Hammerstein system identification. , 2009, , .		8
97	On manifolds, climate reconstruction and bivalve shells. , 2009, , .		2
98	Revisiting Hammerstein system identification through the Two-Stage Algorithm for bilinear parameter estimation. Automatica, 2009, 45, 2627-2633.	5.0	47
99	Frequency-domain identification of continuous-time ARMA models from sampled data. Automatica, 2009, 45, 1371-1378.	5.0	33
100	An improved phase method for time-delay estimation. Automatica, 2009, 45, 2467-2470.	5.0	19
101	Developments in The MathWorks System Identification Toolbox. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 522-527.	0.4	12
102	Minimax Confidence Intervals for Pointwise Nonparametric Regression Estimation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1586-1590.	0.4	0
103	Maximum likelihood identification of Wiener models. Automatica, 2008, 44, 2697-2705.	5.0	173
104	Regressor and structure selection in NARX models using a structured ANOVA approach. Automatica, 2008, 44, 383-395.	5.0	54
105	A Basic Convergence Result for Particle Filtering. IEEE Transactions on Signal Processing, 2008, 56, 1337-1348.	5.3	108
106	Direct Weight Optimization applied to discontinuous functions. , 2008, , .		1
107	The use of nonnegative garrote for order selection of ARX models. , 2008, , .		8
108	Manifold-constrained regressors in system identification. , 2008, , .		10

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109	Maximum Likelihood Identification of Wiener Models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 2714-2719.	0.4	39
110	Perspectives on System Identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 7172-7184.	0.4	141
111	Issues in sampling and estimating continuous-time models with stochastic disturbances. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 14360-14365.	0.4	7
112	A robust particle filter for state estimation &#x2014; with convergence results. , 2007, , .		2
113	On parameter and state estimation for linear differentialâ€“algebraic equations. Automatica, 2007, 43, 416-425.	5.0	23
114	Global Identifiability of Complex Models, Constructed from Simple Submodels. , 2007, , 123-133.		4
115	Parameter Estimation of Polytopic Models for a Linear Parameter Varying Aircraft System. Transactions of the Japan Society for Aeronautical and Space Sciences, 2006, 49, 129-136.	0.7	10
116	SOME ASPECTS ON NONLINEAR SYSTEM IDENTIFICATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 553-564.	0.4	10
117	DIRECT WEIGHT OPTIMIZATION FOR APPROXIMATELY LINEAR FUNCTIONS: OPTIMALITY AND DESIGN. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 796-801.	0.4	2
118	ON THE ROLE OF FUTURE HORIZON IN CLOSED-LOOP SUBSPACE IDENTIFICATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 1080-1084.	0.4	6
119	SOME ASPECTS ON NONLINEAR SYSTEM IDENTIFICATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 110-121.	0.4	11
120	AN INTEGRATED SYSTEM IDENTIFICATION TOOLBOX FOR LINEAR AND NON-LINEAR MODELS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 931-936.	0.4	14
121	Model Identification of Linear Parameter Varying Aircraft Systems. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2006, 220, 337-346.	1.3	23
122	Connections between optimisation-based regressor selection and analysis of variance. , 2006, , .		3
123	A GENERAL DIRECT WEIGHT OPTIMIZATION FRAMEWORK FOR NONLINEAR SYSTEM IDENTIFICATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 178-183.	0.4	6
124	COMPARISONS OF SUBSPACE IDENTIFICATION METHODS FOR SYSTEMS OPERATING ON CLOSED-LOOP. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 494-499.	0.4	8
125	Linear approximations of nonlinear FIR systems for separable input processes. Automatica, 2005, 41, 459-473.	5.0	186
126	Nonlinear system identification via direct weight optimization. Automatica, 2005, 41, 475-490.	5.0	170

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127	Regressor selection with the analysis of variance method. Automatica, 2005, 41, 693-700.	5.0	32
128	A novel subspace identification approach with enforced causal models. Automatica, 2005, 41, 2043-2053.	5.0	87
129	Guest Editorial: Special Issue on System Identification. IEEE Transactions on Automatic Control, 2005, 50, 1473-1473.	5.7	35
130	Nonlinear dynamics isolated by delaunay triangulation criteria. , 2004, , .		2
131	Identification of piecewise affine systems via mixed-integer programming. Automatica, 2004, 40, 37-50.	5.0	327
132	Variance expressions for spectra estimated using auto-regressions. Journal of Econometrics, 2004, 118, 247-256.	6.5	5
133	Robustness guarantees for linear control designs with an estimated nonlinear model error model. International Journal of Robust and Nonlinear Control, 2004, 14, 959-970.	3.7	4
134	Estimation of grey box and black box models for non-linear circuit data. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 399-404.	0.4	10
135	LTI approximations of slightly nonlinear systems: Some intriguing examples. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 495-500.	0.4	6
136	Multiple steps prediction with nonlinear ARX models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 309-314.	0.4	12
137	Adaptive Dwo Estimator of a Regression Function. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 339-343.	0.4	4
138	Variance Properties of a Two-step ARX Estimation Procedure. European Journal of Control, 2003, 9, 422-430.	2.6	11
139	Robust Control of Identified Models with Mixed Parametric and Non-Parametric Uncertainties. European Journal of Control, 2003, 9, 373-380.	2.6	9
140	Linear System Identification as Curve Fitting. , 2003, , 203-215.		8
141	Closed-loop subspace identification with innovation estimation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 861-866.	0.4	61
142	Structure selection with ANOVA: local linear models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 51-56.	0.4	4
143	Version 6 of the system identification toolbox. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 957-962.	0.4	9
144	Local Modelling of Non linear Dynamic Systems Using Direct Weight Optimization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 1513-1518.	0.4	4

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145	Linear Models of Nonlinear FIR Systems with Gaussian Inputs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 1873-1878.	0.4	8
146	Initialization of Physical Parameter Estimates. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 1483-1488.	0.4	23
147	Aspects and Experiences of User Choices in Subspace Identification Methods. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 1765-1770.	0.4	16
148	Initialisation aspects for subspace and output-error identification methods. , 2003, , .		35
149	Local modelling with a priori known bounds using direct weight optimization. , 2003, , .		2
150	ASYMPTOTICALLY OPTIMAL SMOOTHING OF AVERAGED LMS FOR REGRESSION PARAMETER TRACKING. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 163-168.	0.4	0
151	Using the bootstrap to estimate the variance in the case of undermodeling. IEEE Transactions on Automatic Control, 2002, 47, 395-398.	5.7	28
152	Identification of composite local linear state-space models using a projected gradient search. International Journal of Control, 2002, 75, 1385-1398.	1.9	43
153	Prediction error estimation methods. Circuits, Systems, and Signal Processing, 2002, 21, 11-21.	2.0	196
154	Recursive identification algorithms. Circuits, Systems, and Signal Processing, 2002, 21, 57-68.	2.0	40
155	L2 Model reduction and variance reduction. Automatica, 2002, 38, 1517-1530.	5.0	32
156	Some facts about the choice of the weighting matrices in Larimore type of subspace algorithms. Automatica, 2002, 38, 763-773.	5.0	70
157	Comparing different approaches to model error modeling in robust identification. Automatica, 2002, 38, 787-803.	5.0	141
158	Asymptotically optimal smoothing of averaged LMS estimates for regression parameter tracking. Automatica, 2002, 38, 1287-1293.	5.0	2
159	Estimating Linear Time-invariant Models of Nonlinear Time-varying Systems. European Journal of Control, 2001, 7, 203-219.	2.6	97
160	Asymptotic variance expressions for estimated frequency functions. IEEE Transactions on Automatic Control, 2001, 46, 1887-1899.	5.7	26
161	A personal recollection of Tsytkin. International Journal of Adaptive Control and Signal Processing, 2001, 15, 120-120.	4.1	1
162	Recursive least-squares and accelerated convergence in stochastic approximation schemes. International Journal of Adaptive Control and Signal Processing, 2001, 15, 169-178.	4.1	17

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163	Asymptotic variance expressions for closed-loop identification. <i>Automatica</i> , 2001, 37, 781-786.	5.0	47
164	On-line identification and adaptive trajectory tracking for nonlinear stochastic continuous time systems using differential neural networks. <i>Automatica</i> , 2001, 37, 1257-1268.	5.0	19
165	Robust control of identified models with mixed parametric and non-parametric uncertainties. , 2001, , .		1
166	Model Error Modeling and Control Design. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 31-36.	0.4	21
167	Ensuring monotonic gain characteristics in estimated models by fuzzy model structures. <i>Automatica</i> , 2000, 36, 311-317.	5.0	55
168	On adaptive smoothing of empirical transfer function estimates. <i>Control Engineering Practice</i> , 2000, 8, 1309-1315.	5.5	25
169	Some results on optimal experiment design. <i>Automatica</i> , 2000, 36, 749-756.	5.0	97
170	A projection method for closed-loop identification. <i>IEEE Transactions on Automatic Control</i> , 2000, 45, 2101-2106.	5.7	45
171	Identification of unstable systems using output error and Box-Jenkins model structures. <i>IEEE Transactions on Automatic Control</i> , 2000, 45, 137-141.	5.7	51
172	Identification for control "What is there to learn?." , 1999, , 207-225.		11
173	Terrain navigation using Bayesian statistics. <i>IEEE Control Systems</i> , 1999, 19, 33-40.	0.8	87
174	Comments on model validation as set membership identification. , 1999, , 7-16.		3
175	Closed-loop identification revisited. <i>Automatica</i> , 1999, 35, 1215-1241.	5.0	653
176	An alternative motivation for the indirect approach to closed-loop identification. <i>IEEE Transactions on Automatic Control</i> , 1999, 44, 2206-2209.	5.7	21
177	Bacteria classification based on feature extraction from sensor data. <i>Biotechnology Letters</i> , 1998, 12, 319-324.	0.5	50
178	System Identification. <i>Applied and Numerical Harmonic Analysis</i> , 1998, , 163-173.	0.3	373
179	Classical model validation for control design purposes. <i>Mathematical Modelling of Systems</i> , 1997, 3, 27-42.	0.7	12
180	Developments for the System Identification Toolbox for MATLAB. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 927-929.	0.4	8

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181	Non-Linear Black Box Models in System Identification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 1-12.	0.4	10
182	The role of model validation for assessing the size of the unmodeled dynamics. IEEE Transactions on Automatic Control, 1997, 42, 1230-1239.	5.7	63
183	Necessary and sufficient conditions for stability of LMS. IEEE Transactions on Automatic Control, 1997, 42, 761-770.	5.7	40
184	Shaping frequency-dependent time resolution when estimating spectral properties with parametric methods. IEEE Transactions on Signal Processing, 1997, 45, 1025-1035.	5.3	8
185	Some Aspects of Nonlinear Black-Box Modeling in System Identification. , 1997, , 431-440.		3
186	Decomposition methods for solving least-squares parameter estimation. IEEE Transactions on Signal Processing, 1996, 44, 2847-2852.	5.3	17
187	Subspace-based multivariable system identification from frequency response data. IEEE Transactions on Automatic Control, 1996, 41, 960-979.	5.7	461
188	On the choice of norms in system identification. IEEE Transactions on Automatic Control, 1996, 41, 1367-1372.	5.7	34
189	Subspace-based identification of infinite-dimensional multivariable systems from frequency-response data. Automatica, 1996, 32, 885-902.	5.0	62
190	Subspace identification from closed loop data. Signal Processing, 1996, 52, 209-215.	3.7	145
191	Nonlinear black-box models in system identification: Mathematical foundations. Automatica, 1995, 31, 1725-1750.	5.0	329
192	Nonlinear black-box modeling in system identification: a unified overview. Automatica, 1995, 31, 1691-1724.	5.0	1,730
193	Exponential stability of general tracking algorithms. IEEE Transactions on Automatic Control, 1995, 40, 1376-1387.	5.7	52
194	Performance analysis of general tracking algorithms. IEEE Transactions on Automatic Control, 1995, 40, 1388-1402.	5.7	112
195	On global identifiability for arbitrary model parametrizations. Automatica, 1994, 30, 265-276.	5.0	549
196	System Identification in a MIC perspective. Modeling, Identification and Control, 1994, 15, 153-159.	1.1	8
197	Performance analysis of the forgetting factor RLS algorithm. International Journal of Adaptive Control and Signal Processing, 1993, 7, 525-537.	4.1	62
198	Modelling of industrial systems. Lecture Notes in Computer Science, 1993, , 338-349.	1.3	8

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199	Asymptotic properties of the least-squares method for estimating transfer functions and disturbance spectra. <i>Advances in Applied Probability</i> , 1992, 24, 412-440.	0.7	71
200	Estimating model variance in the case of undermodeling. <i>IEEE Transactions on Automatic Control</i> , 1992, 37, 1004-1008.	5.7	35
201	Stochastic Approximation and Optimization of Random Systems. , 1992, , .		134
202	Construction of composite models from observed data. <i>International Journal of Control</i> , 1992, 55, 141-152.	1.9	59
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