

Lennart Ljung

List of Publications by Year in Descending Order

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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.

251
papers

14,791
citations

51
h-index

119
g-index

267
ext. papers

17,646
ext. citations

3.5
avg, IF

6.92
L-index

#	Paper	IF	Citations
251	Linear Quadratic Control using Model-free Reinforcement Learning. <i>IEEE Transactions on Automatic Control</i> , 2022 , 1-1	5.9	0
250	Classical System Identification. <i>Communications and Control Engineering</i> , 2022 , 17-31	0.6	
249	Regularization in Reproducing Kernel Hilbert Spaces for Linear System Identification. <i>Communications and Control Engineering</i> , 2022 , 247-311	0.6	
248	Regularization of Linear Regression Models. <i>Communications and Control Engineering</i> , 2022 , 33-93	0.6	
247	Regularization for Nonlinear System Identification. <i>Communications and Control Engineering</i> , 2022 , 313-348	0.6	0
246	Regularization for Linear System Identification. <i>Communications and Control Engineering</i> , 2022 , 135-180	0.6	
245	Revisiting Total Model Errors and Model Validation. <i>Journal of Systems Science and Complexity</i> , 2021 , 34, 1598-1603	1	
244	Deep State Space Models for Nonlinear System Identification. <i>IFAC-PapersOnLine</i> , 2021 , 54, 481-486	0.7	7
243	Kernel-based Regularized Iterative Learning Control of Repetitive Linear Time-varying Systems. <i>IFAC-PapersOnLine</i> , 2021 , 54, 738-743	0.7	
242	System Aliasing in Dynamic Network Reconstruction: Issues on Low Sampling Frequencies. <i>IEEE Transactions on Automatic Control</i> , 2020 , 1-1	5.9	0
241	Deep Learning and System Identification. <i>IFAC-PapersOnLine</i> , 2020 , 53, 1175-1181	0.7	14
240	. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 4201-4214	5.9	39
239	On Local LTI Model Coherence for LPV Interpolation. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 3671-3676	5.9	
238	A shift in paradigm for system identification. <i>International Journal of Control</i> , 2020 , 93, 173-180	1.5	31
237	A Tutorial on Auditory Attention Identification Methods. <i>Frontiers in Neuroscience</i> , 2019 , 13, 153	5.1	23
236	Benchmark problems for continuous-time model identification: Design aspects, results and perspectives. <i>Automatica</i> , 2019 , 107, 511-517	5.7	6
235	Nonlinear System Identification: A User-Oriented Road Map. <i>IEEE Control Systems</i> , 2019 , 39, 28-99	2.9	93

234	An Atomic Norm Minimization Framework for Identification of Parameter Varying Nonlinear ARX Models. <i>IFAC-PapersOnLine</i> , 2019 , 52, 1-6	0.7	
233	Identification of Nonlinear State-Space Systems From Heterogeneous Datasets. <i>IEEE Transactions on Control of Network Systems</i> , 2018 , 5, 737-747	4	10
232	Identification of structured state-space models. <i>Automatica</i> , 2018 , 90, 54-61	5.7	29
231	Algorithms and Performance Analysis for Stochastic Wiener System Identification 2018 , 2, 471-476		3
230	Asymptotic Properties of Hyperparameter Estimators by Using Cross-Validations for Regularized System Identification 2018 ,		4
229	Regularized LTI System Identification with Multiple Regularization Matrix. <i>IFAC-PapersOnLine</i> , 2018 , 51, 180-185	0.7	6
228	Affinely Parametrized State-space Models: Ways to Maximize the Likelihood Function. <i>IFAC-PapersOnLine</i> , 2018 , 51, 718-723	0.7	0
227	A Rank Minimization Formulation for Identification of Linear Parameter Varying Models. <i>IFAC-PapersOnLine</i> , 2018 , 51, 74-80	0.7	1
226	Online Features in the MATLAB System Identification Toolbox™. <i>IFAC-PapersOnLine</i> , 2018 , 51, 700-705.7		4
225	Asymptotic Properties of Generalized Cross Validation Estimators for Regularized System Identification. <i>IFAC-PapersOnLine</i> , 2018 , 51, 203-208	0.7	7
224	On asymptotic properties of hyperparameter estimators for kernel-based regularization methods. <i>Automatica</i> , 2018 , 94, 381-395	5.7	28
223	Maximum Entropy Kernels for System Identification. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 1471-1477	5.9	25
222	System Identification 2017 , 1-19		26
221	Generalized Kalman smoothing: Modeling and algorithms. <i>Automatica</i> , 2017 , 86, 63-86	5.7	47
220	From structurally independent local LTI models to LPV model. <i>Automatica</i> , 2017 , 84, 232-235	5.7	9
219	Linear Dynamic Network Reconstruction from Heterogeneous Datasets. <i>IFAC-PapersOnLine</i> , 2017 , 50, 10586-10591	0.7	9
218	Gray Box Identification Using Difference of Convex Programming. <i>IFAC-PapersOnLine</i> , 2017 , 50, 9462-9467		2
217	Tuning of Hyperparameters for FIR models [An Asymptotic Theory. <i>IFAC-PapersOnLine</i> , 2017 , 50, 2818-2823		5

216	On the input design for kernel-based regularized LTI system identification: Power-constrained inputs 2017 ,		6
215	Regularized linear system identification using atomic, nuclear and kernel-based norms: The role of the stability constraint. <i>Automatica</i> , 2016 , 69, 137-149	5.7	32
214	Continuous-time DC kernel \Rightarrow A stable generalized first order spline kernel 2016 ,		2
213	Maximum entropy properties of discrete-time first-order stable spline kernel. <i>Automatica</i> , 2016 , 66, 34-38	5.7	27
212	Using horizon estimation and nonlinear optimization for grey-box identification. <i>Journal of Process Control</i> , 2015 , 30, 69-79	3.9	6
211	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. <i>IFAC-PapersOnLine</i> , 2015 , 48, 620-625	0.7	7
210	Regularization Features in the System Identification Toolbox. <i>IFAC-PapersOnLine</i> , 2015 , 48, 745-750	0.7	8
209	Model Error Modeling and Stochastic Embedding. <i>IFAC-PapersOnLine</i> , 2015 , 48, 75-79	0.7	7
208	Regularized system identification using orthonormal basis functions 2015 ,		21
207	Spectral analysis of the DC kernel for regularized system identification 2015 ,		4
206	On kernel structures for regularized system identification (I): a machine learning perspective. <i>IFAC-PapersOnLine</i> , 2015 , 48, 1035-1040	0.7	5
205	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 LEADN, No. 267381, funded by the European Research Council. http://www.bas.su.se/sys-ens2/m/fr/ . <i>IFAC-PapersOnLine</i> , 2015 , 48, 1041-1045	0.7	7
204	Scalable anomaly detection in large homogeneous populations. <i>Automatica</i> , 2014 , 50, 1459-1465	5.7	6
203	System Identification Via Sparse Multiple Kernel-Based Regularization Using Sequential Convex Optimization Techniques. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 2933-2945	5.9	89
202	Constructive state space model induced kernels for regularized system identification. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 1047-1052		6
201	Linking regularization and low-rank approximation for impulse response modeling. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 4999-5004		2
200	Anomaly detection in homogenous populations: A sparse multiple kernel-based regularization method 2014 ,		1
199	Stochastic Embedding revisited: A modern interpretation 2014 ,		10

198	Identification of wiener systems with process noise is a nonlinear errors-in-variables problem 2014 ,		8
197	Kernel methods in system identification, machine learning and function estimation: A survey. <i>Automatica</i> , 2014 , 50, 657-682	5.7	465
196	Implementation of algorithms for tuning parameters in regularized least squares problems in system identification. <i>Automatica</i> , 2013 , 49, 2213-2220	5.7	71
195	Some Classical and Some New Ideas for Identification of Linear Systems. <i>Journal of Control, Automation and Electrical Systems</i> , 2013 , 24, 3-10	1.5	12
194	Identification of Hammerstein-Wiener models. <i>Automatica</i> , 2013 , 49, 70-81	5.7	159
193	Identification of switched linear regression models using sum-of-norms regularization. <i>Automatica</i> , 2013 , 49, 1045-1050	5.7	72
192	Sparse control using sum-of-norms regularized model predictive control 2013 ,		10
191	Kernel-based model order selection for identification and prediction of linear dynamic systems 2013 ,		6
190	2013 ,		12
189	Rank-1 kernels for regularized system identification 2013 ,		5
188	Convexity issues in system identification 2013 ,		8
187	Kernel-based model order selection for linear system identification. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 257-262		0
186	Smoothed state estimates under abrupt changes using sum-of-norms regularization. <i>Automatica</i> , 2012 , 48, 595-605	5.7	26
185	Sparse multiple kernels for impulse response estimation with majorization minimization algorithms 2012 ,		7
184	On the estimation of transfer functions, regularizations and Gaussian processes Revisited. <i>Automatica</i> , 2012 , 48, 1525-1535	5.7	280
183	Distributed Change Detection*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 77-82		
182	Version 8 of the Matlab System Identification Toolbox. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 1826-1831		30
181	Impulse response estimation with binary measurements: a regularized FIR model approach. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 113-118		12

180	Weight Determination by Manifold Regularization. <i>Lecture Notes in Control and Information Sciences</i> , 2012 , 195-214	0.5	
179	Four Encounters with System Identification. <i>European Journal of Control</i> , 2011 , 17, 449-471	2.5	41
178	. <i>IEEE Transactions on Signal Processing</i> , 2011 , 59, 465-478	4.8	26
177	On the Estimation of Transfer Functions, Regularizations and Gaussian Processes [Revisited]. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 2303-2308		1
176	Identification of Piecewise Affine Systems Using Sum-of-Norms Regularization. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 6640-6645		5
175	Blind Identification of Wiener Models*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 5597-5602		9
174	Segmentation of time series from nonlinear dynamical systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 13209-13214		3
173	Difference algebra and system identification. <i>Automatica</i> , 2011 , 47, 1896-1904	5.7	7
172	Clustering using sum-of-norms regularization: With application to particle filter output computation 2011 ,		20
171	A General Convergence Result for Particle Filtering. <i>IEEE Transactions on Signal Processing</i> , 2011 , 59, 3424-3429	4.8	36
170	Kernel selection in linear system identification part II: A classical perspective 2011 ,		23
169	A convex approach to subspace clustering 2011 ,		2
168	On the accuracy of parameter estimation for continuous time nonlinear systems from sampled data 2011 ,		2
167	Decentralization of particle filters using arbitrary state decomposition 2010 ,		1
166	State smoothing by sum-of-norms regularization 2010 ,		5
165	Trajectory generation using sum-of-norms regularization 2010 ,		11
164	Perspectives on system identification. <i>Annual Reviews in Control</i> , 2010 , 34, 1-12	10.3	326
163	Frequency domain identification of continuous-time output error models, Part II: Non-uniformly sampled data and B-spline output approximation. <i>Automatica</i> , 2010 , 46, 11-18	5.7	19

162	Frequency domain identification of continuous-time output error models, Part I: Uniformly sampled data and frequency function approximation. <i>Automatica</i> , 2010 , 46, 1-10	5.7	15
161	Issues in sampling and estimating continuous-time models with stochastic disturbances. <i>Automatica</i> , 2010 , 46, 925-931	5.7	34
160	Segmentation of ARX-models using sum-of-norms regularization. <i>Automatica</i> , 2010 , 46, 1107-1111	5.7	89
159	Wiener System Identification Using the Maximum Likelihood Method. <i>Lecture Notes in Control and Information Sciences</i> , 2010 , 89-110	0.5	8
158	Semi-supervised Regression and System Identification, 2010 , 343-360		1
157	Revisiting the Two-Stage Algorithm for Hammerstein system identification 2009 ,		8
156	On manifolds, climate reconstruction and bivalve shells 2009 ,		1
155	Revisiting Hammerstein system identification through the Two-Stage Algorithm for bilinear parameter estimation. <i>Automatica</i> , 2009 , 45, 2627-2633	5.7	39
154	Frequency-domain identification of continuous-time ARMA models from sampled data. <i>Automatica</i> , 2009 , 45, 1371-1378	5.7	24
153	An improved phase method for time-delay estimation. <i>Automatica</i> , 2009 , 45, 2467-2470	5.7	13
152	Developments in The MathWorks System Identification Toolbox. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 522-527		8
151	Minimax Confidence Intervals for Pointwise Nonparametric Regression Estimation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 1586-1590		
150	A Basic Convergence Result for Particle Filtering. <i>IEEE Transactions on Signal Processing</i> , 2008 , 56, 1337-1348	4.8	82
149	Direct Weight Optimization applied to discontinuous functions 2008 ,		1
148	The use of nonnegative garrote for order selection of ARX models 2008 ,		6
147	Manifold-constrained regressors in system identification 2008 ,		8
146	Maximum Likelihood Identification of Wiener Models. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 2714-2719		0
145	Perspectives on System Identification. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 7172-7184		34

144	Issues in sampling and estimating continuous-time models with stochastic disturbances. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 14360-14365		1
143	Maximum likelihood identification of Wiener models. <i>Automatica</i> , 2008 , 44, 2697-2705	5.7	139
142	Regressor and structure selection in NARX models using a structured ANOVA approach. <i>Automatica</i> , 2008 , 44, 383-395	5.7	46
141	On parameter and state estimation for linear differential-algebraic equations. <i>Automatica</i> , 2007 , 43, 416-425	5.7	14
140	Global Identifiability of Complex Models, Constructed from Simple Submodels 2007 , 123-133		2
139	Model Identification of Linear Parameter Varying Aircraft Systems. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2006 , 220, 337-346	0.9	14
138	Connections between optimisation-based regressor selection and analysis of variance 2006 ,		2
137	Parameter Estimation of Polytopic Models for a Linear Parameter Varying Aircraft System. <i>Transactions of the Japan Society for Aeronautical and Space Sciences</i> , 2006 , 49, 129-136	0.8	8
136	SOME ASPECTS ON NONLINEAR SYSTEM IDENTIFICATION. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 553-564		2
135	DIRECT WEIGHT OPTIMIZATION FOR APPROXIMATELY LINEAR FUNCTIONS: OPTIMALITY AND DESIGN. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 796-801		1
134	ON THE ROLE OF FUTURE HORIZON IN CLOSED-LOOP SUBSPACE IDENTIFICATION. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 1080-1084		3
133	SOME ASPECTS ON NONLINEAR SYSTEM IDENTIFICATION. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 110-121		7
132	AN INTEGRATED SYSTEM IDENTIFICATION TOOLBOX FOR LINEAR AND NON-LINEAR MODELS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 931-936		5
131	A GENERAL DIRECT WEIGHT OPTIMIZATION FRAMEWORK FOR NONLINEAR SYSTEM IDENTIFICATION. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 178-183		4
130	COMPARISONS OF SUBSPACE IDENTIFICATION METHODS FOR SYSTEMS OPERATING ON CLOSED-LOOP. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 494-499		4
129	Linear approximations of nonlinear FIR systems for separable input processes. <i>Automatica</i> , 2005 , 41, 459-473	5.7	142
128	Nonlinear system identification via direct weight optimization. <i>Automatica</i> , 2005 , 41, 475-490	5.7	110
127	Regressor selection with the analysis of variance method. <i>Automatica</i> , 2005 , 41, 693-700	5.7	29

126	A novel subspace identification approach with enforced causal models. <i>Automatica</i> , 2005 , 41, 2043-2053	5.7	60
125	Nonlinear dynamics isolated by delaunay triangulation criteria 2004 ,		2
124	Identification of piecewise affine systems via mixed-integer programming. <i>Automatica</i> , 2004 , 40, 37-50	5.7	260
123	Variance expressions for spectra estimated using auto-regressions. <i>Journal of Econometrics</i> , 2004 , 118, 247-256	2.6	4
122	Robustness guarantees for linear control designs with an estimated nonlinear model error model. <i>International Journal of Robust and Nonlinear Control</i> , 2004 , 14, 959-970	3.6	4
121	Estimation of grey box and black box models for non-linear circuit data. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2004 , 37, 399-404		6
120	LTI approximations of slightly nonlinear systems: Some intriguing examples. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2004 , 37, 495-500		5
119	Multiple steps prediction with nonlinear ARX models. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2004 , 37, 309-314		7
118	Adaptive Dwo Estimator of a Regression Function. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2004 , 37, 339-343		4
117	Closed-loop subspace identification with innovation estimation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 861-866		36
116	Structure selection with ANOVA: local linear models. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 51-56		3
115	Version 6 of the system identification toolbox. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 957-962		5
114	Local Modelling of Non linear Dynamic Systems Using Direct Weight Optimization. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 1513-1518		
113	Linear Models of Nonlinear FIR Systems with Gaussian Inputs. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 1873-1878		7
112	Initialization of Physical Parameter Estimates. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 1483-1488		12
111	Aspects and Experiences of User Choices in Subspace Identification Methods. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 1765-1770		11
110	Initialisation aspects for subspace and output-error identification methods 2003 ,		22
109	Variance Properties of a Two-step ARX Estimation Procedure. <i>European Journal of Control</i> , 2003 , 9, 422-430		9

108	Robust Control of Identified Models with Mixed Parametric and Non-Parametric Uncertainties. <i>European Journal of Control</i> , 2003 , 9, 373-380	2.5	4
107	Linear System Identification as Curve Fitting 2003 , 203-215		4
106	Local modelling with a priori known bounds using direct weight optimization 2003 ,		2
105	Prediction error estimation methods. <i>Circuits, Systems, and Signal Processing</i> , 2002 , 21, 11-21	2.2	147
104	Recursive identification algorithms. <i>Circuits, Systems, and Signal Processing</i> , 2002 , 21, 57-68	2.2	27
103	L2 Model reduction and variance reduction. <i>Automatica</i> , 2002 , 38, 1517-1530	5.7	24
102	Some facts about the choice of the weighting matrices in Larimore type of subspace algorithms. <i>Automatica</i> , 2002 , 38, 763-773	5.7	58
101	Comparing different approaches to model error modeling in robust identification. <i>Automatica</i> , 2002 , 38, 787-803	5.7	119
100	Asymptotically optimal smoothing of averaged LMS estimates for regression parameter tracking. <i>Automatica</i> , 2002 , 38, 1287-1293	5.7	2
99	ASYMPTOTICALLY OPTIMAL SMOOTHING OF AVERAGED LMS FOR REGRESSION PARAMETER TRACKING. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2002 , 35, 163-168		
98	Using the bootstrap to estimate the variance in the case of undermodeling. <i>IEEE Transactions on Automatic Control</i> , 2002 , 47, 395-398	5.9	25
97	Identification of composite local linear state-space models using a projected gradient search. <i>International Journal of Control</i> , 2002 , 75, 1385-1398	1.5	36
96	A personal recollection of Tsytkin. <i>International Journal of Adaptive Control and Signal Processing</i> , 2001 , 15, 120-120	2.8	1
95	Recursive least-squares and accelerated convergence in stochastic approximation schemes. <i>International Journal of Adaptive Control and Signal Processing</i> , 2001 , 15, 169-178	2.8	13
94	Asymptotic variance expressions for closed-loop identification. <i>Automatica</i> , 2001 , 37, 781-786	5.7	40
93	On-line identification and adaptive trajectory tracking for nonlinear stochastic continuous time systems using differential neural networks. <i>Automatica</i> , 2001 , 37, 1257-1268	5.7	17
92	Estimating Linear Time-invariant Models of Nonlinear Time-varying Systems. <i>European Journal of Control</i> , 2001 , 7, 203-219	2.5	78
91	Asymptotic variance expressions for estimated frequency functions. <i>IEEE Transactions on Automatic Control</i> , 2001 , 46, 1887-1899	5.9	18

90	Model Error Modeling and Control Design. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2000 , 33, 31-36		14
89	Ensuring monotonic gain characteristics in estimated models by fuzzy model structures. <i>Automatica</i> , 2000 , 36, 311-317	5.7	43
88	On adaptive smoothing of empirical transfer function estimates. <i>Control Engineering Practice</i> , 2000 , 8, 1309-1315	3.9	13
87	Some results on optimal experiment design. <i>Automatica</i> , 2000 , 36, 749-756	5.7	79
86	A projection method for closed-loop identification. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 2101-2106	5.9	33
85	Identification of unstable systems using output error and Box-Jenkins model structures. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 137-141	5.9	37
84	Identification for control [What is there to learn? 1999 , 207-225		5
83	. <i>IEEE Control Systems</i> , 1999 , 19, 33-40	2.9	54
82	Comments on model validation as set membership identification 1999 , 7-16		3
81	Closed-loop identification revisited. <i>Automatica</i> , 1999 , 35, 1215-1241	5.7	495
80	An alternative motivation for the indirect approach to closed-loop identification. <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 2206-2209	5.9	17
79	System Identification 1999 ,		1319
78	Bacteria classification based on feature extraction from sensor data. <i>Biotechnology Letters</i> , 1998 , 12, 319-324		43
77	System Identification. <i>Applied and Numerical Harmonic Analysis</i> , 1998 , 163-173	0.6	232
76	Classical model validation for control design purposes. <i>Mathematical Modelling of Systems</i> , 1997 , 3, 27-42		11
75	Developments for the System Identification Toolbox for MATLAB. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1997 , 30, 927-929		3
74	Non-Linear Black Box Models in System Identification. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1997 , 30, 1-12		2
73	The role of model validation for assessing the size of the unmodeled dynamics. <i>IEEE Transactions on Automatic Control</i> , 1997 , 42, 1230-1239	5.9	51

72	Necessary and sufficient conditions for stability of LMS. <i>IEEE Transactions on Automatic Control</i> , 1997 , 42, 761-770	5.9	28
71	Shaping frequency-dependent time resolution when estimating spectral properties with parametric methods. <i>IEEE Transactions on Signal Processing</i> , 1997 , 45, 1025-1035	4.8	6
70	Some Aspects of Nonlinear Black-Box Modeling in System Identification 1997 , 431-440		2
69	Decomposition methods for solving least-squares parameter estimation. <i>IEEE Transactions on Signal Processing</i> , 1996 , 44, 2847-2852	4.8	12
68	Subspace-based multivariable system identification from frequency response data. <i>IEEE Transactions on Automatic Control</i> , 1996 , 41, 960-979	5.9	335
67	On the choice of norms in system identification. <i>IEEE Transactions on Automatic Control</i> , 1996 , 41, 1367-1372	5.7	27
66	Subspace-based identification of infinite-dimensional multivariable systems from frequency-response data. <i>Automatica</i> , 1996 , 32, 885-902	5.7	48
65	Subspace identification from closed loop data. <i>Signal Processing</i> , 1996 , 52, 209-215	4.4	123
64	. <i>IEEE Transactions on Automatic Control</i> , 1995 , 40, 1376-1387	5.9	37
63	. <i>IEEE Transactions on Automatic Control</i> , 1995 , 40, 1388-1402	5.9	77
62	Nonlinear black-box models in system identification: Mathematical foundations. <i>Automatica</i> , 1995 , 31, 1725-1750	5.7	257
61	Nonlinear black-box modeling in system identification: a unified overview. <i>Automatica</i> , 1995 , 31, 1691-1724	5.7	1340
60	On global identifiability for arbitrary model parametrizations. <i>Automatica</i> , 1994 , 30, 265-276	5.7	454
59	System Identification in a MIC perspective. <i>Modeling, Identification and Control</i> , 1994 , 15, 153-159	1	5
58	Performance analysis of the forgetting factor RLS algorithm. <i>International Journal of Adaptive Control and Signal Processing</i> , 1993 , 7, 525-537	2.8	44
57	Modelling of industrial systems. <i>Lecture Notes in Computer Science</i> , 1993 , 338-349	0.9	5
56	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	59
55	. <i>IEEE Transactions on Automatic Control</i> , 1992 , 37, 1004-1008	5.9	29

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53	Construction of composite models from observed data. <i>International Journal of Control</i> , 1992 , 55, 141-152		52
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