

Johan A K Suykens

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.

367
papers

18,893
citations

56
h-index

131
g-index

398
ext. papers

22,374
ext. citations

4.2
avg, IF

7.04
L-index

#	Paper	IF	Citations
367	Short-Term Traffic Flow Prediction Based on the Efficient Hinging Hyperplanes Neural Network. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-13	6.1	1
366	Leverage Score Sampling for Complete Mode Coverage in Generative Adversarial Networks. <i>Lecture Notes in Computer Science</i> , 2022 , 466-480	0.9	
365	Improved Update Rule and Sampling of Stochastic Gradient Descent with Extreme Early Stopping for Support Vector Machines. <i>Lecture Notes in Computer Science</i> , 2022 , 147-161	0.9	
364	Transfer learning in demand response: A review of algorithms for data-efficient modelling and control. <i>Energy and AI</i> , 2022 , 7, 100126	12.6	9
363	Generative Restricted Kernel Machines: A framework for multi-view generation and disentangled feature learning. <i>Neural Networks</i> , 2021 , 135, 177-191	9.1	3
362	Analysis of regularized least-squares in reproducing kernel Kreĭ spaces. <i>Machine Learning</i> , 2021 , 110, 1145-1173	4	1
361	Learning with continuous piecewise linear decision trees. <i>Expert Systems With Applications</i> , 2021 , 168, 114214	7.8	3
360	A flexible alarm prediction system for smart manufacturing scenarios following a forecasterĀnalyzer approach. <i>Journal of Intelligent Manufacturing</i> , 2021 , 32, 1323-1344	6.7	4
359	Tensor-based restricted kernel machines for multi-view classification. <i>Information Fusion</i> , 2021 , 68, 54-66	6.7	3
358	The Bures Metric for Generative Adversarial Networks. <i>Lecture Notes in Computer Science</i> , 2021 , 52-66	0.9	1
357	Diversity Sampling is an Implicit Regularization for Kernel Methods. <i>SIAM Journal on Mathematics of Data Science</i> , 2021 , 3, 280-297	3.1	2
356	Outlier detection in non-elliptical data by kernel MRCD. <i>Statistics and Computing</i> , 2021 , 31, 1	1.8	
355	Unsupervised learning of disentangled representations in deep restricted kernel machines with orthogonality constraints. <i>Neural Networks</i> , 2021 , 142, 661-679	9.1	1
354	A novel neural grey system model with Bayesian regularization and its applications. <i>Neurocomputing</i> , 2021 , 456, 61-75	5.4	8
353	Random Features for Kernel Approximation: A Survey on Algorithms, Theory, and Beyond. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2021 , PP,	13.3	5
352	Toward Deep Adaptive Hinging Hyperplanes. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	1
351	Efficient hinging hyperplanes neural network and its application in nonlinear system identification. <i>Automatica</i> , 2020 , 116, 108906	5.7	6

350	Generalized support vector regression: Duality and tensor-kernel representation. <i>Analysis and Applications</i> , 2020 , 18, 149-183	2.5	2
349	Fast Hyperparameter Tuning for Support Vector Machines with Stochastic Gradient Descent. <i>Lecture Notes in Computer Science</i> , 2020 , 481-493	0.9	1
348	Robust Generative Restricted Kernel Machines Using Weighted Conjugate Feature Duality. <i>Lecture Notes in Computer Science</i> , 2020 , 613-624	0.9	0
347	Latent Space Exploration Using Generative Kernel PCA. <i>Communications in Computer and Information Science</i> , 2020 , 70-82	0.3	2
346	Transductive LSTM for time-series prediction: An application to weather forecasting. <i>Neural Networks</i> , 2020 , 125, 1-9	9.1	86
345	A Double-Variational Bayesian Framework in Random Fourier Features for Indefinite Kernels. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 2965-2979	10.3	2
344	Multi-agent reinforcement learning for modeling and control of thermostatically controlled loads. <i>Applied Energy</i> , 2019 , 238, 1022-1035	10.7	37
343	Functional form estimation using oblique projection matrices for LS-SVM regression models. <i>PLoS ONE</i> , 2019 , 14, e0217967	3.7	
342	Indefinite Kernel Logistic Regression With Concave-Inexact-Convex Procedure. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 765-776	10.3	8
341	Deep convolutional learning for general early design stage prediction models. <i>Advanced Engineering Informatics</i> , 2019 , 42, 100982	7.4	7
340	Axiomatic Kernels on Graphs for Support Vector Machines. <i>Lecture Notes in Computer Science</i> , 2019 , 6857-690		
339	Robust classification of graph-based data. <i>Data Mining and Knowledge Discovery</i> , 2019 , 33, 230-251	5.6	
338	Impulse response constrained LS-SVM modelling for MIMO Hammerstein system identification. <i>International Journal of Control</i> , 2019 , 92, 908-925	1.5	8
337	Deep hybrid neural-kernel networks using random Fourier features. <i>Neurocomputing</i> , 2018 , 298, 46-54	5.4	18
336	A two-experiment approach to Wiener system identification. <i>Automatica</i> , 2018 , 93, 282-289	5.7	16
335	Parallelized Tensor Train Learning of Polynomial Classifiers. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 4621-4632	10.3	13
334	Indefinite kernel spectral learning. <i>Pattern Recognition</i> , 2018 , 78, 144-153	7.7	3
333	Multi-View Kernel Spectral Clustering. <i>Information Fusion</i> , 2018 , 44, 46-56	16.7	45

332	Multi-View Least Squares Support Vector Machines Classification. <i>Neurocomputing</i> , 2018 , 282, 78-88	5.4	38
331	Classification With Truncated Distance Kernel. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 2025-2030	10.3	11
330	Magnetic Eigenmaps for the visualization of directed networks. <i>Applied and Computational Harmonic Analysis</i> , 2018 , 44, 189-199	3.1	7
329	Hammerstein system identification through best linear approximation inversion and regularisation. <i>International Journal of Control</i> , 2018 , 91, 1757-1773	1.5	5
328	Convex Formulation for Kernel PCA and Its Use in Semisupervised Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 3863-3869	10.3	8
327	Correntropy Based Matrix Completion. <i>Entropy</i> , 2018 , 20,	2.8	6
326	Transductive Feature Selection Using Clustering-Based Sample Entropy for Temperature Prediction in Weather Forecasting. <i>Entropy</i> , 2018 , 20,	2.8	7
325	Pinball loss minimization for one-bit compressive sensing: Convex models and algorithms. <i>Neurocomputing</i> , 2018 , 314, 275-283	5.4	6
324	Deep-learning neural-network architectures and methods: Using component-based models in building-design energy prediction. <i>Advanced Engineering Informatics</i> , 2018 , 38, 81-90	7.4	102
323	Regularized Semipaired Kernel CCA for Domain Adaptation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 3199-3213	10.3	6
322	Modelling the strip thickness in hot steel rolling mills using least-squares support vector machines. <i>Canadian Journal of Chemical Engineering</i> , 2018 , 96, 171-178	2.3	18
321	Weighted Multi-view Deep Neural Networks for Weather Forecasting. <i>Lecture Notes in Computer Science</i> , 2018 , 489-499	0.9	
320	Tensor Learning in Multi-view Kernel PCA. <i>Lecture Notes in Computer Science</i> , 2018 , 205-215	0.9	4
319	Optimal Quadrature-Sparsification for Integral Operator Approximation. <i>SIAM Journal of Scientific Computing</i> , 2018 , 40, A3636-A3674	2.6	2
318	Modified Frank-Wolfe algorithm for enhanced sparsity in support vector machine classifiers. <i>Neurocomputing</i> , 2018 , 320, 47-59	5.4	6
317	Solution Path for Pin-SVM Classifiers With Positive and Negative τ Values. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 1584-1593	10.3	9
316	Fast kernel spectral clustering. <i>Neurocomputing</i> , 2017 , 268, 27-33	5.4	10
315	Deep Restricted Kernel Machines Using Conjugate Feature Duality. <i>Neural Computation</i> , 2017 , 29, 2123-2163	10.3	21

314	Large-Scale Clustering Algorithms. <i>Studies in Big Data</i> , 2017 , 3-28	0.9	
313	Magnetic eigenmaps for community detection in directed networks. <i>Physical Review E</i> , 2017 , 95, 022302	2.4	11
312	Automated structural health monitoring based on adaptive kernel spectral clustering. <i>Mechanical Systems and Signal Processing</i> , 2017 , 90, 64-78	7.8	46
311	Multi-view LS-SVM regression for black-box temperature prediction in weather forecasting 2017 ,		5
310	Supervised aggregated feature learning for multiple instance classification. <i>Information Sciences</i> , 2017 , 375, 234-245	7.7	4
309	Indefinite kernels in least squares support vector machines and principal component analysis. <i>Applied and Computational Harmonic Analysis</i> , 2017 , 43, 162-172	3.1	21
308	Impulse Response Constrained LS-SVM modeling for Hammerstein System Identification. <i>IFAC-PapersOnLine</i> , 2017 , 50, 14046-14051	0.7	1
307	On the identification of Wiener systems with polynomial nonlinearity 2017 ,		2
306	Efficient Sparse Approximation of Support Vector Machines Solving a Kernel Lasso. <i>Lecture Notes in Computer Science</i> , 2017 , 208-216	0.9	
305	Discovering Cluster Dynamics Using Kernel Spectral Methods. <i>Understanding Complex Systems</i> , 2016 , 1-24	0.4	1
304	Robust Gradient Learning With Applications. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 822-35	10.3	4
303	Robust Low-Rank Tensor Recovery With Regularized Redescending M-Estimator. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 1933-46	10.3	30
302	Estimating the unknown time delay in chemical processes. <i>Engineering Applications of Artificial Intelligence</i> , 2016 , 55, 219-230	7.2	15
301	Clustering-based feature selection for black-box weather temperature prediction 2016 ,		1
300	Fast and scalable Lasso via stochastic Frank-Wolfe methods with a convergence guarantee. <i>Machine Learning</i> , 2016 , 104, 195-221	4	5
299	Denosed Kernel Spectral data Clustering 2016 ,		1
298	Coordinate Descent Algorithm for Ramp Loss Linear Programming Support Vector Machines. <i>Neural Processing Letters</i> , 2016 , 43, 887-903	2.4	2
297	The effect of imposing fractional abundance constraints onto the multilayer perceptron for sub-pixel land cover classification. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2016 , 44, 226-238	7.3	3

296	Kernelized Elastic Net Regularization: Generalization Bounds, and Sparse Recovery. <i>Neural Computation</i> , 2016 , 28, 525-62	2.9	22
295	Rank-1 Tensor Properties with Applications to a Class of Tensor Optimization Problems. <i>SIAM Journal on Optimization</i> , 2016 , 26, 171-196	2	13
294	Reweighted stochastic learning. <i>Neurocomputing</i> , 2016 , 198, 135-147	5.4	1
293	SVD revisited: A new variational principle, compatible feature maps and nonlinear extensions. <i>Applied and Computational Harmonic Analysis</i> , 2016 , 40, 600-609	3.1	4
292	Entropy-Based Incomplete Cholesky Decomposition for a Scalable Spectral Clustering Algorithm: Computational Studies and Sensitivity Analysis. <i>Entropy</i> , 2016 , 18, 182	2.8	5
291	Explaining Support Vector Machines: A Color Based Nomogram. <i>PLoS ONE</i> , 2016 , 11, e0164568	3.7	17
290	Multi-label semi-supervised learning using regularized kernel spectral clustering 2016 ,		4
289	Scalable Semi-supervised kernel spectral learning using random Fourier features 2016 ,		2
288	Wiener System Identification using Best Linear Approximation within the LS-SVM framework 2016 ,		3
287	Hammerstein system identification using LS-SVM and steady state time response 2016 ,		2
286	Kernel Spectral Clustering and Applications 2016 , 135-161		9
285	Robust Support Vector Machines for Classification with Nonconvex and Smooth Losses. <i>Neural Computation</i> , 2016 , 28, 1217-47	2.9	16
284	Efficient evolutionary spectral clustering. <i>Pattern Recognition Letters</i> , 2016 , 84, 78-84	4.7	6
283	Learning Theory Estimates with Observations from General Stationary Stochastic Processes. <i>Neural Computation</i> , 2016 , 28, 2853-2889	2.9	2
282	Learning solutions to partial differential equations using LS-SVM. <i>Neurocomputing</i> , 2015 , 159, 105-116	5.4	32
281	Kernel Methods 2015 , 577-605		
280	Enhancing dynamic soft sensors based on DPLS: A temporal smoothness regularization approach. <i>Journal of Process Control</i> , 2015 , 28, 17-26	3.9	47
279	A robust ensemble approach to learn from positive and unlabeled data using SVM base models. <i>Neurocomputing</i> , 2015 , 160, 73-84	5.4	39

278	Very sparse LSSVM reductions for large-scale data. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 1086-97	10.3	54
277	Incremental multi-class semi-supervised clustering regularized by Kalman filtering. <i>Neural Networks</i> , 2015 , 71, 88-104	9.1	14
276	A Rank-One Tensor Updating Algorithm for Tensor Completion. <i>IEEE Signal Processing Letters</i> , 2015 , 22, 1633-1637	3.2	23
275	Multiclass semisupervised learning based upon kernel spectral clustering. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 720-33	10.3	33
274	Sequential minimal optimization for SVM with pinball loss. <i>Neurocomputing</i> , 2015 , 149, 1596-1603	5.4	27
273	Signal recovery for jointly sparse vectors with different sensing matrices. <i>Signal Processing</i> , 2015 , 108, 451-458	4.4	9
272	Two-level ℓ_1 minimization for compressed sensing. <i>Signal Processing</i> , 2015 , 108, 459-475	4.4	26
271	LS-SVM based spectral clustering and regression for predicting maintenance of industrial machines. <i>Engineering Applications of Artificial Intelligence</i> , 2015 , 37, 268-278	7.2	56
270	Incorporating Best Linear Approximation within LS-SVM-based Hammerstein System Identification 2015 ,		7
269	Fixed-Size Least Squares Support Vector Machines: Scala Implementation for Large Scale Classification 2015 ,		1
268	Concurrent monitoring of operating condition deviations and process dynamics anomalies with slow feature analysis. <i>AIChE Journal</i> , 2015 , 61, 3666-3682	3.6	138
267	Regularized and sparse stochastic k-means for distributed large-scale clustering 2015 ,		7
266	Black-box modeling for temperature prediction in weather forecasting 2015 ,		8
265	A PARTAN-accelerated Frank-Wolfe algorithm for large-scale SVM classification 2015 ,		1
264	Identifying intervals for hierarchical clustering using the Gershgorin circle theorem. <i>Pattern Recognition Letters</i> , 2015 , 55, 1-7	4.7	2
263	Noise Level Estimation for Model Selection in Kernel PCA Denoising. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015 , 26, 2650-63	10.3	21
262	Netgram: Visualizing Communities in Evolving Networks. <i>PLoS ONE</i> , 2015 , 10, e0137502	3.7	5
261	Learning with tensors: a framework based on convex optimization and spectral regularization. <i>Machine Learning</i> , 2014 , 94, 303-351	4	123

260	Introduction to Machine Learning. <i>Academic Press Library in Signal Processing</i> , 2014 , 765-773		2
259	Parameter estimation of delay differential equations: An integration-free LS-SVM approach. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2014 , 19, 830-841	3.7	16
258	Hybrid Coupled Local Minimizers. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2014 , 61, 542-551	3.9	4
257	Multi-Class Supervised Novelty Detection. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2014 , 36, 2510-23	13.3	28
256	Optimal reduced sets for sparse kernel spectral clustering 2014 ,		4
255	Improved Initialization for Nonlinear State-Space Modeling. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2014 , 63, 972-980	5.2	20
254	Non-parallel support vector classifiers with different loss functions. <i>Neurocomputing</i> , 2014 , 143, 294-301	5.4	31
253	Quantile regression with ℓ_1 regularization and Gaussian kernels. <i>Advances in Computational Mathematics</i> , 2014 , 40, 517-551	1.6	5
252	QoS prediction for web service compositions using kernel-based quantile estimation with online adaptation of the constant offset. <i>Information Sciences</i> , 2014 , 268, 397-424	7.7	18
251	Incremental kernel spectral clustering for online learning of non-stationary data. <i>Neurocomputing</i> , 2014 , 139, 246-260	5.4	30
250	Asymmetric . <i>Computational Statistics and Data Analysis</i> , 2014 , 77, 371-382	1.6	20
249	LSSVM based initialization approach for parameter estimation of dynamical systems. <i>Journal of Physics: Conference Series</i> , 2014 , 490, 012004	0.3	2
248	Multilevel hierarchical kernel spectral clustering for real-life large scale complex networks. <i>PLoS ONE</i> , 2014 , 9, e99966	3.7	17
247	Representative subsets for big data learning using k-NN graphs 2014 ,		11
246	Clustering data over time using kernel spectral clustering with memory 2014 ,		3
245	Agglomerative hierarchical kernel spectral data clustering 2014 ,		1
244	High level high performance computing for multitask learning of time-varying models 2014 ,		6
243	Large scale semi-supervised learning using KSC based model 2014 ,		5

242	SVD truncation schemes for fixed-size kernel models 2014 ,		2
241	Support Vector Machine Classifier With Pinball Loss. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2014 , 36, 984-97	13.3	138
240	Predicting breast cancer using an expression values weighted clinical classifier. <i>BMC Bioinformatics</i> , 2014 , 15, 411	3.6	8
239	Alarm prediction in industrial machines using autoregressive LS-SVM models 2014 ,		2
238	Asymmetric least squares support vector machine classifiers. <i>Computational Statistics and Data Analysis</i> , 2014 , 70, 395-405	1.6	32
237	Rewighted l2-Regularized Dual Averaging Approach for Highly Sparse Stochastic Learning. <i>Lecture Notes in Computer Science</i> , 2014 , 232-242	0.9	2
236	FURS: Fast and Unique Representative Subset selection retaining large-scale community structure. <i>Social Network Analysis and Mining</i> , 2013 , 3, 1075-1095	2.2	15
235	Kernel spectral clustering for predicting maintenance of industrial machines 2013 ,		10
234	Stability of Coupled Local Minimizers Within the Lagrange Programming Network Framework. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2013 , 60, 377-388	3.9	10
233	Risk group detection and survival function estimation for interval coded survival methods. <i>Neurocomputing</i> , 2013 , 112, 200-210	5.4	3
232	Support vector machines with piecewise linear feature mapping. <i>Neurocomputing</i> , 2013 , 117, 118-127	5.4	21
231	Hinging hyperplanes for time-series segmentation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 1279-91	10.3	10
230	Load forecasting using a multivariate meta-learning system. <i>Expert Systems With Applications</i> , 2013 , 40, 4427-4437	7.8	46
229	Soft kernel spectral clustering 2013 ,		11
228	Kernel spectral clustering for dynamic data using multiple kernel learning 2013 ,		5
227	Sleep apnea classification using least-squares support vector machines on single lead ECG. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 5029-32	0.9	9
226	Supervised Novelty Detection 2013 ,		4
225	Kernel spectral clustering with memory effect. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013 , 392, 2588-2606	3.3	23

224	Non-parallel semi-supervised classification based on kernel spectral clustering 2013 ,		2
223	Fixed-size Pegasos for hinge and pinball loss SVM 2013 ,		11
222	The skweezer system 2013 ,		31
221	Kernel Spectral Clustering for Big Data Networks. <i>Entropy</i> , 2013 , 15, 1567-1586	2.8	45
220	Sparse Reductions for Fixed-Size Least Squares Support Vector Machines on Large Scale Data. <i>Lecture Notes in Computer Science</i> , 2013 , 161-173	0.9	9
219	Generating quantum-measurement probabilities from an optimality principle. <i>Physical Review A</i> , 2013 , 87,	2.6	1
218	Self-tuned kernel spectral clustering for large scale networks 2013 ,		13
217	LS-SVM based solution for delay differential equations. <i>Journal of Physics: Conference Series</i> , 2013 , 410, 012041	0.3	2
216	Community detection using Kernel Spectral Clustering with memory. <i>Journal of Physics: Conference Series</i> , 2013 , 410, 012100	0.3	3
215	Highly Sparse Reductions to Kernel Spectral Clustering. <i>Lecture Notes in Computer Science</i> , 2013 , 163-169.	0.9	2
214	Weighted Coordinate-Wise Pegasos. <i>Lecture Notes in Computer Science</i> , 2013 , 262-269	0.9	
213	A mixed effects least squares support vector machine model for classification of longitudinal data. <i>Computational Statistics and Data Analysis</i> , 2012 , 56, 611-628	1.6	22
212	Towards the detection of error-related potentials and its integration in the context of a P300 speller brain-computer interface. <i>Neurocomputing</i> , 2012 , 80, 73-82	5.4	36
211	Confidence bands for least squares support vector machine classifiers: A regression approach. <i>Pattern Recognition</i> , 2012 , 45, 2280-2287	7.7	21
210	Application of kernel principal component analysis for single-lead-ECG-derived respiration. <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 1169-76	5	73
209	Reducing the number of support vectors of SVM classifiers using the smoothed separable case approximation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2012 , 23, 682-8	10.3	57
208	Optimized data fusion for kernel k-means clustering. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2012 , 34, 1031-9	13.3	130
207	Least-Squares Support Vector Machines for the identification of Wiener-Hammerstein systems. <i>Control Engineering Practice</i> , 2012 , 20, 1165-1174	3.9	41

206	LS-SVM approximate solution to linear time varying descriptor systems. <i>Automatica</i> , 2012 , 48, 2502-2511	5.7	23
205	Hierarchical kernel spectral clustering. <i>Neural Networks</i> , 2012 , 35, 21-30	9.1	16
204	Robustness of kernel based regression: Influence and weight functions 2012 ,		1
203	Modeling of Charge-Trapping/Detrapping-Induced Voltage Instability in High- κ Gate Dielectrics. <i>IEEE Transactions on Device and Materials Reliability</i> , 2012 , 12, 152-157	1.6	2
202	Kernel spectral clustering for community detection in complex networks 2012 ,		8
201	A semi-supervised formulation to binary kernel spectral clustering 2012 ,		8
200	Approximate solutions to ordinary differential equations using least squares support vector machines. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2012 , 23, 1356-67	10.3	42
199	Classification of Multichannel Signals With Cumulant-Based Kernels. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 2304-2314	4.8	8
198	Incorporating structural information from the multichannel EEG improves patient-specific seizure detection. <i>Clinical Neurophysiology</i> , 2012 , 123, 2352-61	4.3	48
197	Separate initialization of dynamics and nonlinearities in nonlinear state-space models 2012 ,		1
196	A mathematical model for interpretable clinical decision support with applications in gynecology. <i>PLoS ONE</i> , 2012 , 7, e34312	3.7	25
195	Robust artefact detection in long-term ECG recordings based on autocorrelation function similarity and percentile analysis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2012-2012</i> , 2151-4	0.9	14
194	Parameter Estimation for Time Varying Dynamical Systems using Least Squares Support Vector Machines*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 1300-1305		9
193	Identification of the Silverbox Benchmark Using Nonlinear State-Space Models. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2012 , 45, 632-637		13
192	Smoothing Techniques-Based Distributed Model Predictive Control Algorithms for Networks. <i>Lecture Notes in Control and Information Sciences</i> , 2012 , 307-318	0.5	2
191	Approximate confidence and prediction intervals for least squares support vector regression. <i>IEEE Transactions on Neural Networks</i> , 2011 , 22, 110-20		86
190	Finding communities in weighted networks through synchronization. <i>Chaos</i> , 2011 , 21, 043116	3.3	11
189	Segmentation of time series from nonlinear dynamical systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 13209-13214		3

188	Kernel spectral clustering of time series in the CoRoT exoplanet database. <i>Astronomy and Astrophysics</i> , 2011 , 531, A156	5.1	2
187	A kernel-based framework to tensorial data analysis. <i>Neural Networks</i> , 2011 , 24, 861-74	9.1	60
186	Support vector methods for survival analysis: a comparison between ranking and regression approaches. <i>Artificial Intelligence in Medicine</i> , 2011 , 53, 107-18	7.4	74
185	Sparse conjugate directions pursuit with application to fixed-size kernel models. <i>Machine Learning</i> , 2011 , 85, 109-148	4	16
184	First and Second Order SMO Algorithms for LS-SVM Classifiers. <i>Neural Processing Letters</i> , 2011 , 33, 31-44	4.4	19
183	Out-of-sample eigenvectors in kernel spectral clustering 2011 ,		10
182	On the relevance of automatically selected single-voxel MRS and multimodal MRI and MRSI features for brain tumour differentiation. <i>Computers in Biology and Medicine</i> , 2011 , 41, 87-97	7	33
181	Sparse kernel spectral clustering models for large-scale data analysis. <i>Neurocomputing</i> , 2011 , 74, 1382-1390	3.4	22
180	Map-based model of the cardiac action potential. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011 , 375, 2894-2902	2.3	4
179	Modularity-based model selection for kernel spectral clustering 2011 ,		9
178	. <i>IEEE Signal Processing Letters</i> , 2011 , 18, 403-406	3.2	111
177	Optimized data fusion for K-means Laplacian clustering. <i>Bioinformatics</i> , 2011 , 27, 118-26	7.2	14
176	Automatic Seizure Detection Incorporating Structural Information. <i>Lecture Notes in Computer Science</i> , 2011 , 233-240	0.9	2
175	Nosologic Imaging of Brain Tumors Using MRI and MRSI 2011 , 155-168		
174	Primal and dual model representations in kernel-based learning. <i>Statistics Surveys</i> , 2010 , 4,	1.7	26
173	Error-related potential recorded by EEG in the context of a p300 mind speller brain-computer interface 2010 ,		7
172	Polynomial componentwise LS-SVM: Fast variable selection using low rank updates 2010 ,		3
171	Nuclear norm regularization for overparametrized Hammerstein systems 2010 ,		7

170	Fast primal-dual projected linear iterations for distributed consensus in constrained convex optimization 2010 ,		4
169	Improved Dual Decomposition Based Optimization for DSL Dynamic Spectrum Management. <i>IEEE Transactions on Signal Processing</i> , 2010 , 58, 2230-2245	4.8	36
168	Metastable states and transient activity in ensembles of excitatory and inhibitory elements. <i>Europhysics Letters</i> , 2010 , 91, 20006	1.6	9
167	Linear parametric noise models for Least Squares Support Vector Machines 2010 ,		2
166	Multisway spectral clustering with out-of-sample extensions through weighted kernel PCA. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2010 , 32, 335-47	13.3	146
165	Coupled simulated annealing. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010 , 40, 320-35		227
164	L2-norm multiple kernel learning and its application to biomedical data fusion. <i>BMC Bioinformatics</i> , 2010 , 11, 309	3.6	68
163	Robustness of reweighted Least Squares Kernel Based Regression. <i>Journal of Multivariate Analysis</i> , 2010 , 101, 447-463	1.4	11
162	A tutorial on support vector machine-based methods for classification problems in chemometrics. <i>Analytica Chimica Acta</i> , 2010 , 665, 129-45	6.6	211
161	Optimized fixed-size kernel models for large data sets. <i>Computational Statistics and Data Analysis</i> , 2010 , 54, 1484-1504	1.6	78
160	Improved microarray-based decision support with graph encoded interactome data. <i>PLoS ONE</i> , 2010 , 5, e10225	3.7	5
159	NARX Identification of Hammerstein Systems Using Least-Squares Support Vector Machines. <i>Lecture Notes in Control and Information Sciences</i> , 2010 , 241-258	0.5	3
158	Kernel-Based Learning from Infinite Dimensional 2-Way Tensors. <i>Lecture Notes in Computer Science</i> , 2010 , 59-69	0.9	3
157	Semi-supervised Learning of Sparse Linear Models in Mass Spectral Imaging. <i>Lecture Notes in Computer Science</i> , 2010 , 325-334	0.9	2
156	Robustness analysis for Least Squares kernel based regression: an optimization approach 2009 ,		4
155	A regularized formulation for spectral clustering with pairwise constraints 2009 ,		7
154	Distributed nonlinear optimal control using sequential convex programming and smoothing techniques 2009 ,		17
153	Robustness of Kernel Based Regression: A Comparison of Iterative Weighting Schemes. <i>Lecture Notes in Computer Science</i> , 2009 , 100-110	0.9	19

152	Least Conservative Support and Tolerance Tubes. <i>IEEE Transactions on Information Theory</i> , 2009 , 55, 3799-3806		
151	Nosologic imaging of the brain: segmentation and classification using MRI and MRSI. <i>NMR in Biomedicine</i> , 2009 , 22, 374-90	4.4	41
150	Multiproject-multicenter evaluation of automatic brain tumor classification by magnetic resonance spectroscopy. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2009 , 22, 5-18	2.8	103
149	Interior-Point Lagrangian Decomposition Method for Separable Convex Optimization. <i>Journal of Optimization Theory and Applications</i> , 2009 , 143, 567-588	1.6	40
148	Extending Newton's law from nonlocal-in-time kinetic energy. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009 , 373, 1201-1211	2.3	41
147	Feature Extraction and Classification of EEG Signals for Rapid P300 Mind Spelling 2009 ,		4
146	P300 Detection Based on Feature Extraction in On-line Brain-Computer Interface. <i>Lecture Notes in Computer Science</i> , 2009 , 339-346	0.9	12
145	Identifying Customer Profiles in Power Load Time Series Using Spectral Clustering. <i>Lecture Notes in Computer Science</i> , 2009 , 315-324	0.9	10
144	Sequentially activated groups in neural networks. <i>Europhysics Letters</i> , 2009 , 86, 60006	1.6	18
143	A kernel-based integration of genome-wide data for clinical decision support. <i>Genome Medicine</i> , 2009 , 1, 39	14.4	54
142	An application of feature selection to on-line P300 detection in brain-computer interface 2009 ,		5
141	Differentiation between brain metastases and glioblastoma multiforme based on MRI, MRS and MRSI 2009 ,		3
140	Identification of Wiener-Hammerstein Systems using LS-SVMs. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 820-825		19
139	Support vector machines and kernel-based learning for dynamical systems modelling. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 1029-1037		4
138	Smoothing Techniques for Distributed Model Predictive Control Algorithms in Networks*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2009 , 42, 78-83		
137	MINLIP: Efficient Learning of Transformation Models. <i>Lecture Notes in Computer Science</i> , 2009 , 60-69	0.9	2
136	Feature Selection in Survival Least Squares Support Vector Machines with Maximal Variation Constraints. <i>Lecture Notes in Computer Science</i> , 2009 , 65-72	0.9	0
135	Robust triple mode MPC. <i>International Journal of Control</i> , 2008 , 81, 679-689	1.5	24

134	A proximal center-based decomposition method for multi-agent convex optimization 2008,		1
133	Application of a Smoothing Technique to Decomposition in Convex Optimization. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 2674-2679	5.9	106
132	Data visualization and dimensionality reduction using kernel maps with a reference point. <i>IEEE Transactions on Neural Networks</i> , 2008 , 19, 1501-17		24
131	Application of the proximal center decomposition method to distributed model predictive control 2008,		15
130	Sparse kernel models for spectral clustering using the incomplete Cholesky decomposition 2008,		9
129	Introduction to Focus Issue: synchronization in complex networks. <i>Chaos</i> , 2008 , 18, 037101	3.3	63
128	Cluster synchronization in oscillatory networks. <i>Chaos</i> , 2008 , 18, 037106	3.3	81
127	Kernel component analysis using an epsilon-insensitive robust loss function. <i>IEEE Transactions on Neural Networks</i> , 2008 , 19, 1583-98		34
126	Effect of feature extraction for brain tumor classification based on short echo time 1H MR spectra. <i>Magnetic Resonance in Medicine</i> , 2008 , 60, 288-98	4.4	24
125	Low rank updated LS-SVM classifiers for fast variable selection. <i>Neural Networks</i> , 2008 , 21, 437-49	9.1	39
124	A regularized kernel CCA contrast function for ICA. <i>Neural Networks</i> , 2008 , 21, 170-81	9.1	21
123	Quadratically Constrained Quadratic Programming for Subspace Selection in Kernel Regression Estimation. <i>Lecture Notes in Computer Science</i> , 2008 , 175-184	0.9	2
122	Multi-class kernel logistic regression: a fixed-size implementation. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007 ,		14
121	Electric Load Forecasting. <i>IEEE Control Systems</i> , 2007 , 27, 43-57	2.9	91
120	A combined MRI and MRSI based multiclass system for brain tumour recognition using LS-SVMs with class probabilities and feature selection. <i>Artificial Intelligence in Medicine</i> , 2007 , 40, 87-102	7.4	67
119	Bagging linear sparse Bayesian learning models for variable selection in cancer diagnosis. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2007 , 11, 338-47		23
118	PARTIAL SYNCHRONIZATION IN OSCILLATOR ARRAYS WITH ASYMMETRIC COUPLING. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007 , 17, 4177-4185	2	1
117	Variable selection by rank-one updates for least squares support vector machines. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007 ,		2

116	ICA through an LS-SVM based Kernel CCA Measure for Independence. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007 ,		3
115	Image Segmentation using a Weighted Kernel PCA Approach to Spectral Clustering 2007 ,		11
114	State-of-the-Art and Evolution in Public Data Sets and Competitions for System Identification, Time Series Prediction and Pattern Recognition 2007 ,		2
113	Kernel Clustering for Knowledge Discovery in Clinical Microarray Data Analysis 2007 , 64-92		
112	Comparing Methods for Multi-class Probabilities in Medical Decision Making Using LS-SVMs and Kernel Logistic Regression. <i>Lecture Notes in Computer Science</i> , 2007 , 139-148	0.9	3
111	A process model to develop an internal rating system: Sovereign credit ratings. <i>Decision Support Systems</i> , 2006 , 42, 1131-1151	5.6	56
110	Learning of spatiotemporal behaviour in cellular neural networks. <i>International Journal of Circuit Theory and Applications</i> , 2006 , 34, 127-140	2	14
109	A Bayesian nonlinear support vector machine error correction model. <i>Journal of Forecasting</i> , 2006 , 25, 77-100	2.1	7
108	Ordinal Least Squares Support Vector Machines - A Discriminant Analysis Approach 2006 ,		2
107	Robust synthesis of constrained linear state feedback using LMIs and polyhedral invariant sets 2006 ,		5
106	Robust triple mode MPC 2006 ,		4
105	Fast an Robust Face Tracking for CNN chips: application to wheelchair driving 2006 ,		2
104	SPATIOTEMPORAL PATTERN FORMATION ON THE ACE16k CNN CHIP. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2006 , 16, 1537-1546	2	3
103	CNNOPT: Learning dynamics and CNN chip-specific robustness 2006 ,		2
102	LS-SVM REGRESSION WITH AUTOCORRELATED ERRORS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 582-587		5
101	Bayesian kernel based classification for financial distress detection. <i>European Journal of Operational Research</i> , 2006 , 172, 979-1003	5.6	94
100	Additive Regularization Trade-Off: Fusion of Training and Validation Levels in Kernel Methods. <i>Machine Learning</i> , 2006 , 62, 217-252	4	14
99	Fixed-size Least Squares Support Vector Machines: A Large Scale Application in Electrical Load Forecasting. <i>Computational Management Science</i> , 2006 , 3, 113-129	1	62

98	Subspace identification of Hammerstein systems using least squares support vector machines. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 1509-1519	5.9	121
97	Load Forecasting Using Fixed-Size Least Squares Support Vector Machines. <i>Lecture Notes in Computer Science</i> , 2005 , 1018-1026	0.9	14
96	Identification of MIMO Hammerstein models using least squares support vector machines. <i>Automatica</i> , 2005 , 41, 1263-1272	5.7	133
95	Constrained linear MPC with time-varying terminal cost using convex combinations. <i>Automatica</i> , 2005 , 41, 831-837	5.7	17
94	Subset based least squares subspace regression in RKHS. <i>Neurocomputing</i> , 2005 , 63, 293-323	5.4	48
93	Building sparse representations and structure determination on LS-SVM substrates. <i>Neurocomputing</i> , 2005 , 64, 137-159	5.4	18
92	The differogram: Non-parametric noise variance estimation and its use for model selection. <i>Neurocomputing</i> , 2005 , 69, 100-122	5.4	13
91	Primal-Dual Monotone Kernel Regression. <i>Neural Processing Letters</i> , 2005 , 22, 171-182	2.4	22
90	Kernel based partially linear models and nonlinear identification. <i>IEEE Transactions on Automatic Control</i> , 2005 , 50, 1602-1606	5.9	62
89	M@CBETH: a microarray classification benchmarking tool. <i>Bioinformatics</i> , 2005 , 21, 3185-6	7.2	13
88	Cellular Neural Networks, Multi-Scroll Chaos and Synchronization. <i>World Scientific Series on Nonlinear Science, Series A</i> , 2005 ,	3.3	45
87	True random bit generation from a double-scroll attractor. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2004 , 51, 1395-1404		182
86	Learning from General Label Constraints. <i>Lecture Notes in Computer Science</i> , 2004 , 671-679	0.9	15
85	Robust finite-horizon MPC using optimal worst-case closed-loop predictions 2004 ,		1
84	Partially linear models and least squares support vector machines 2004 ,		8
83	Linear MPC with time-varying terminal cost using sparse convex combinations and bisection search 2004 ,		1
82	Systematic benchmarking of microarray data classification: assessing the role of non-linearity and dimensionality reduction. <i>Bioinformatics</i> , 2004 , 20, 3185-95	7.2	190
81	Brain tumor classification based on long echo proton MRS signals. <i>Artificial Intelligence in Medicine</i> , 2004 , 31, 73-89	7.4	127

80	Benchmarking Least Squares Support Vector Machine Classifiers. <i>Machine Learning</i> , 2004 , 54, 5-32	4	481
79	Toward CNN chip-specific robustness. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2004 , 51, 892-902		22
78	A comparative study of ls-svm applied to the silver box identification problem. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2004 , 37, 369-374		10
77	NARX identification of hammerstein models using least squares support vector machines. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2004 , 37, 363-368		2
76	Morozov, Ivanov and Tikhonov Regularization Based LS-SVMs. <i>Lecture Notes in Computer Science</i> , 2004 , 1216-1222	0.9	9
75	Benchmarking state-of-the-art classification algorithms for credit scoring. <i>Journal of the Operational Research Society</i> , 2003 , 54, 627-635	2	496
74	Robust complexity criteria for nonlinear regression in NARX models. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 79-84		2
73	Identifying Positive Real Models in Subspace Identification by Using Regularization. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 1369-1373		1
72	Preoperative prediction of malignancy of ovarian tumors using least squares support vector machines. <i>Artificial Intelligence in Medicine</i> , 2003 , 28, 281-306	7.4	54
71	Global optimization by coupled local minimizers and its application to FE model updating. <i>Computers and Structures</i> , 2003 , 81, 2337-2351	4.5	58
70	Identification of positive real models in subspace identification by using regularization. <i>IEEE Transactions on Automatic Control</i> , 2003 , 48, 1843-1847	5.9	23
69	A support vector machine formulation to PCA analysis and its kernel version. <i>IEEE Transactions on Neural Networks</i> , 2003 , 14, 447-50		86
68	Classification of Ovarian Tumors Using Bayesian Least Squares Support Vector Machines. <i>Lecture Notes in Computer Science</i> , 2003 , 219-228	0.9	2
67	Weighted least squares support vector machines: robustness and sparse approximation. <i>Neurocomputing</i> , 2002 , 48, 85-105	5.4	833
66	Multiclass LS-SVMs: Moderated Outputs and Coding-Decoding Schemes. <i>Neural Processing Letters</i> , 2002 , 15, 45-58	2.4	31
65	FAMILIES OF SCROLL GRID ATTRACTORS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2002 , 12, 23-41	2	218
64	Bayesian framework for least-squares support vector machine classifiers, gaussian processes, and kernel Fisher discriminant analysis. <i>Neural Computation</i> , 2002 , 14, 1115-47	2.9	198
63	Least Squares Support Vector Machines 2002 ,		1174

62	Robust Cross-Validation Score Function for Non-linear Function Estimation. <i>Lecture Notes in Computer Science</i> , 2002 , 713-719	0.9	6
61	Compactly Supported RBF Kernels for Sparsifying the Gram Matrix in LS-SVM Regression Models. <i>Lecture Notes in Computer Science</i> , 2002 , 720-726	0.9	6
60	Knowledge discovery in a direct marketing case using least squares support vector machines. <i>International Journal of Intelligent Systems</i> , 2001 , 16, 1023-1036	8.4	42
59	INTELLIGENCE AND COOPERATIVE SEARCH BY COUPLED LOCAL MINIMIZERS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2001 , 11, 2133-2144	2	46
58	n-scroll chaos generators: a simple circuit model. <i>Electronics Letters</i> , 2001 , 37, 147	1.1	71
57	Identification of stable models in subspace identification by using regularization. <i>IEEE Transactions on Automatic Control</i> , 2001 , 46, 1416-1420	5.9	62
56	MASTERBLAVE SYNCHRONIZATION OF LUR'E SYSTEMS WITH TIME-DELAY. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2001 , 11, 1707-1722	2	198
55	Financial time series prediction using least squares support vector machines within the evidence framework. <i>IEEE Transactions on Neural Networks</i> , 2001 , 12, 809-21		308
54	Support Vector Machines: A Nonlinear Modelling and Control Perspective. <i>European Journal of Control</i> , 2001 , 7, 311-327	2.5	125
53	Kernel Canonical Correlation Analysis and Least Squares Support Vector Machines. <i>Lecture Notes in Computer Science</i> , 2001 , 384-389	0.9	15
52	CHAOS SYNCHRONIZATION: A LAGRANGE PROGRAMMING NETWORK APPROACH. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2000 , 10, 797-810	2	2
51	Experimental confirmation of 3- and 5-scroll attractors from a generalized Chua's circuit. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2000 , 47, 425-429		107
50	Recurrent least squares support vector machines. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2000 , 47, 1109-1114		199
49	WINNING ENTRY OF THE K. U. LEUVEN TIME-SERIES PREDICTION COMPETITION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1999 , 09, 1485-1500	2	26
48	Least Squares Support Vector Machine Classifiers. <i>Neural Processing Letters</i> , 1999 , 9, 293-300	2.4	5747
47	Chaos control using least-squares support vector machines. <i>International Journal of Circuit Theory and Applications</i> , 1999 , 27, 605-615	2	61
46	Training multilayer perceptron classifiers based on a modified support vector method. <i>IEEE Transactions on Neural Networks</i> , 1999 , 10, 907-11		59
45	Robust synthesis for master-slave synchronization of Lur'e systems. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 1999 , 46, 841-850		141

44	Lur'e systems with multilayer perceptron and recurrent neural networks: absolute stability and dissipativity. <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 770-774	5.9	46
43	On-Line Learning Fokker-Planck Machine. <i>Neural Processing Letters</i> , 1998 , 7, 81-89	2.4	9
42	Application of NLq Neural Control Theory to a Ball and Beam System. <i>European Journal of Control</i> , 1998 , 4, 148-157	2.5	3
41	An absolute stability criterion for the Lur'e problem with sector and slope restricted nonlinearities. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 1998 , 45, 1007-1009		117
40	Impulsive Control of Nonautonomous Chaotic Systems using Practical Stabilization. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1998 , 08, 1557-1564	2	10
39	A CNN Approach to Brian-Like Chaos-Periodicity Transitions. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1998 , 08, 2263-2278	2	1
38	Impulsive Synchronization of Chaotic Lur'e Systems by Measurement Feedback. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1998 , 08, 1371-1381	2	56
37	Nonlinear system modeling. <i>Neural Network Systems Techniques and Applications</i> , 1998 , 383-433		
36	The K.U.Leuven Time Series Prediction Competition 1998 , 241-253		15
35	Master-Slave Synchronization Using Dynamic Output Feedback. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1997 , 07, 671-679	2	50
34	n-Double Scroll Hypercubes in 1-D CNNs. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1997 , 07, 1873-1885	2	54
33	Absolute Stability Theory and Master-Slave Synchronization. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1997 , 07, 2891-2896	2	48
32	Nonlinear H _∞ Synchronization of Chaotic Lur'e Systems. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1997 , 07, 1323-1335	2	47
31	Nonlinear H _∞ synchronization of Lur'e systems: dynamic output feedback case. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 1997 , 44, 1089-1092		39
30	Master-Slave Synchronization of Lur'e Systems. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1997 , 07, 665-669	2	38
29	. <i>IEEE Transactions on Signal Processing</i> , 1997 , 45, 2682-2691	4.8	41
28	Robust nonlinear H _∞ synchronization of chaotic Lur'e systems. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 1997 , 44, 891-904		143
27	NL(q) Theory: A Neural Control Framework with Global Asymptotic Stability Criteria. <i>Neural Networks</i> , 1997 , 10, 615-637	9.1	28

26	Control of a recurrent neural network emulator for the double scroll. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 1996 , 43, 511-514		4
25	DISCRETE TIME INTERCONNECTED CELLULAR NEURAL NETWORKS WITHIN NLq THEORY. <i>International Journal of Circuit Theory and Applications</i> , 1996 , 24, 25-36	2	2
24	Modelling the Belgian gas consumption using neural networks. <i>Neural Processing Letters</i> , 1996 , 4, 157-166	19	19
23	Artificial Neural Networks for Modelling and Control of Non-Linear Systems 1996 ,		175
22	Nonlinear system identification using neural state space models, applicable to robust control design. <i>International Journal of Control</i> , 1995 , 62, 129-152	1.5	53
21	. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 1995 , 42, 499-502		22
20	Static and dynamic stabilizing neural controllers, applicable to transition between equilibrium points. <i>Neural Networks</i> , 1994 , 7, 819-831	9.1	22
19	. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 1993 , 40, 861-867		234
18	Genetic Weight Optimization of a Feedforward Neural Network Controller 1993 , 658-663		17
17	Quasilinear approach to nonlinear systems and the design of n-double scroll (n = 1, 2, 3, 4,[ellipsis (horizontal)]). <i>IEE Proceedings, Part G: Circuits, Devices and Systems</i> , 1991 , 138, 595		19
16	Maximal variation and missing values for componentwise support vector machines		1
15	The efficient computation of polyhedral invariant sets for linear systems with polytopic uncertainty		52
14	Interpolation based MPC for LPV systems using polyhedral invariant sets		34
13	Variogram based noise variance estimation and its use in kernel based regression		2
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3	Automatic relevance determination for least squares support vector machine regression	10
2	Bayesian inference for LS-SVMs on large data sets using the Nystrom method	4
1	Nystrom landmark sampling and regularized Christoffel functions. <i>Machine Learning</i> ,1	4