Johan A K Suykens

List of Publications by Year
in descending order

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393 papers	25,730 citations	19608 61 h-index	9073 144 g-index
399 all docs	399 docs citations	399 times ranked	17656 citing authors

#	Article	IF	Citations
1	Least Squares Support Vector Machine Classifiers. Neural Processing Letters, 1999, 9, 293-300.	2.0	7,709
2	Weighted least squares support vector machines: robustness and sparse approximation. Neurocomputing, 2002, 48, 85-105.	3.5	1,072
3	Benchmarking state-of-the-art classification algorithms for credit scoring. Journal of the Operational Research Society, 2003, 54, 627-635.	2.1	653
4	Benchmarking Least Squares Support Vector Machine Classifiers. Machine Learning, 2004, 54, 5-32.	3.4	596
5	Financial time series prediction using least squares support vector machines within the evidence framework. IEEE Transactions on Neural Networks, 2001, 12, 809-821.	4.8	411
6	Generation of n-double scrolls (n=1, 2, 3, 4,...). IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1993, 40, 861-867.	0.1	300
7	Recurrent least squares support vector machines. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 1109-1114.	0.1	269
8	FAMILIES OF SCROLL GRID ATTRACTORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2002, 12, 23-41.	0.7	269
9	A tutorial on support vector machine-based methods for classification problems in chemometrics. Analytica Chimica Acta, 2010, 665, 129-145.	2.6	262
10	Coupled Simulated Annealing. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 320-335.	5.5	260
11	Transductive LSTM for time-series prediction: An application to weather forecasting. Neural Networks, 2020, 125, 1-9.	3.3	254
12	Artificial Neural Networks for Modelling and Control of Non-Linear Systems. , 1996, , .		253
13	Bayesian Framework for Least-Squares Support Vector Machine Classifiers, Gaussian Processes, and Kernel Fisher Discriminant Analysis. Neural Computation, 2002, 14, 1115-1147.	1.3	251
14	True Random Bit Generation From a Double-Scroll Attractor. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2004, 51, 1395-1404.	0.1	248
15	Systematic benchmarking of microarray data classification: assessing the role of non-linearity and dimensionality reduction. Bioinformatics, 2004, 20, 3185-3195.	1.8	243
16	MASTERâ€“SLAVE SYNCHRONIZATION OF LUR'E SYSTEMS WITH TIME-DELAY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2001, 11, 1707-1722.	0.7	238
17	Concurrent monitoring of operating condition deviations and process dynamics anomalies with slow feature analysis. AICHE Journal, 2015, 61, 3666-3682.	1.8	217
18	Support Vector Machine Classifier With Pinball Loss. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 984-997.	9.7	214

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19	Support Vector Machines: A Nonlinear Modelling and Control Perspective. European Journal of Control, 2001, 7, 311-327.	1.6	193
20	Multiway Spectral Clustering with Out-of-Sample Extensions through Weighted Kernel PCA. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 335-347.	9.7	181
21	Learning with tensors: a framework based on convex optimization and spectral regularization. Machine Learning, 2014, 94, 303-351.	3.4	180
22	Optimized Data Fusion for Kernel k-Means Clustering. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 1031-1039.	9.7	171
23	Tensor Versus Matrix Completion: A Comparison With Application to Spectral Data. IEEE Signal Processing Letters, 2011, 18, 403-406.	2.1	170
24	Robust nonlinear H/sub â^ž/ synchronization of chaotic Lur'e systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1997, 44, 891-904.	0.1	166
25	Identification of MIMO Hammerstein models using least squares support vector machines. Automatica, 2005, 41, 1263-1272.	3.0	166
26	Robust synthesis for master-slave synchronization of Lur'e systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1999, 46, 841-850.	0.1	161
27	Brain tumor classification based on long echo proton MRS signals. Artificial Intelligence in Medicine, 2004, 31, 73-89.	3.8	161
28	Experimental confirmation of 3- and 5-scroll attractors from a generalized Chua's circuit. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 425-429.	0.1	155
29	Subspace identification of Hammerstein systems using least squares support vector machines. IEEE Transactions on Automatic Control, 2005, 50, 1509-1519.	3.6	155
30	Deep-learning neural-network architectures and methods: Using component-based models in building-design energy prediction. Advanced Engineering Informatics, 2018, 38, 81-90.	4.0	154
31	An absolute stability criterion for the Lur'e problem with sector and slope restricted nonlinearities. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1998, 45, 1007-1009.	0.1	150
32	Bayesian kernel based classification for financial distress detection. European Journal of Operational Research, 2006, 172, 979-1003.	3.5	129
33	Multiprojectâ€“multicenter evaluation of automatic brain tumor classification by magnetic resonance spectroscopy. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2009, 22, 5-18.	1.1	126
34	Application of a Smoothing Technique to Decomposition in Convex Optimization. IEEE Transactions on Automatic Control, 2008, 53, 2674-2679.	3.6	125
35	Support vector methods for survival analysis: a comparison between ranking and regression approaches. Artificial Intelligence in Medicine, 2011, 53, 107-118.	3.8	125
36	Electric Load Forecasting. IEEE Control Systems, 2007, 27, 43-57.	1.0	120

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37	A support vector machine formulation to pca analysis and its kernel version. IEEE Transactions on Neural Networks, 2003, 14, 447-450.	4.8	115
38	Approximate Confidence and Prediction Intervals for Least Squares Support Vector Regression. IEEE Transactions on Neural Networks, 2011, 22, 110-120.	4.8	109
39	Cluster synchronization in oscillatory networks. Chaos, 2008, 18, 037106.	1.0	98
40	Application of Kernel Principal Component Analysis for Single-Lead-ECG-Derived Respiration. IEEE Transactions on Biomedical Engineering, 2012, 59, 1169-1176.	2.5	96
41	Optimized fixed-size kernel models for large data sets. Computational Statistics and Data Analysis, 2010, 54, 1484-1504.	0.7	91
42	The efficient computation of polyhedral invariant sets for linear systems with polytopic uncertainty. , 0, , .		89
43	n-scroll chaos generators: a simple circuit model. Electronics Letters, 2001, 37, 147.	0.5	87
44	L2-norm multiple kernel learning and its application to biomedical data fusion. BMC Bioinformatics, 2010, 11, 309.	1.2	85
45	Identification of stable models in subspace identification by using regularization. IEEE Transactions on Automatic Control, 2001, 46, 1416-1420.	3.6	83
46	Chaos control using least-squares support vector machines. International Journal of Circuit Theory and Applications, 1999, 27, 605-615.	1.3	82
47	Kernel based partially linear models and nonlinear identification. IEEE Transactions on Automatic Control, 2005, 50, 1602-1606.	3.6	81
48	Fixed-size Least Squares Support Vector Machines: A Large Scale Application in Electrical Load Forecasting. Computational Management Science, 2006, 3, 113-129.	0.8	80
49	A kernel-based framework to tensorial data analysis. Neural Networks, 2011, 24, 861-874.	3.3	80
50	A combined MRI and MRSI based multiclass system for brain tumour recognition using LS-SVMs with class probabilities and feature selection. Artificial Intelligence in Medicine, 2007, 40, 87-102.	3.8	79
51	Nonlinear system identification using neural state space models, applicable to robust control design. International Journal of Control, 1995, 62, 129-152.	1.2	77
52	Global optimization by coupled local minimizers and its application to FE model updating. Computers and Structures, 2003, 81, 2337-2351.	2.4	77
53	Multi-View Kernel Spectral Clustering. Information Fusion, 2018, 44, 46-56.	11.7	77
54	Training multilayer perceptron classifiers based on a modified support vector method. IEEE Transactions on Neural Networks, 1999, 10, 907-911.	4.8	75

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55	Impulsive Synchronization of Chaotic Lur'e Systems by Measurement Feedback. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1998, 08, 1371-1381.	0.7	73
56	Preoperative prediction of malignancy of ovarian tumors using least squares support vector machines. Artificial Intelligence in Medicine, 2003, 28, 281-306.	3.8	71
57	Reducing the Number of Support Vectors of SVM Classifiers Using the Smoothed Separable Case Approximation. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 682-688.	7.2	69
58	Introduction to Focus Issue: Synchronization in Complex Networks. Chaos, 2008, 18, 037101.	1.0	68
59	A robust ensemble approach to learn from positive and unlabeled data using SVM base models. Neurocomputing, 2015, 160, 73-84.	3.5	68
60	LS-SVM based spectral clustering and regression for predicting maintenance of industrial machines. Engineering Applications of Artificial Intelligence, 2015, 37, 268-278.	4.3	68
61	Very Sparse LSSVM Reductions for Large-Scale Data. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1086-1097.	7.2	65
62	Automated structural health monitoring based on adaptive kernel spectral clustering. Mechanical Systems and Signal Processing, 2017, 90, 64-78.	4.4	65
63	Lur'e systems with multilayer perceptron and recurrent neural networks: absolute stability and dissipativity. IEEE Transactions on Automatic Control, 1999, 44, 770-774.	3.6	64
64	A process model to develop an internal rating system: Sovereign credit ratings. Decision Support Systems, 2006, 42, 1131-1151.	3.5	64
65	Master-Slave Synchronization Using Dynamic Output Feedback. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1997, 07, 671-679.	0.7	62
66	n-Double Scroll Hypercubes in 1-D CNNs. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1997, 07, 1873-1885.	0.7	62
67	A kernel-based integration of genome-wide data for clinical decision support. Genome Medicine, 2009, 1, 39.	3.6	61
68	Absolute Stability Theory and Master-Slave Synchronization. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1997, 07, 2891-2896.	0.7	60
69	On the relevance of automatically selected single-voxel MRS and multimodal MRI and MRSI features for brain tumour differentiation. Computers in Biology and Medicine, 2011, 41, 87-97.	3.9	60
70	Enhancing dynamic soft sensors based on DPLS: A temporal smoothness regularization approach. Journal of Process Control, 2015, 28, 17-26.	1.7	60
71	Kernel Spectral Clustering for Big Data Networks. Entropy, 2013, 15, 1567-1586.	1.1	59
72	Nonlinear Hâˆž Synchronization of Chaotic Lur'e Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1997, 07, 1323-1335.	0.7	58

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73	Approximate Solutions to Ordinary Differential Equations Using Least Squares Support Vector Machines. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1356-1367.	7.2	58
74	Incorporating structural information from the multichannel EEG improves patient-specific seizure detection. Clinical Neurophysiology, 2012, 123, 2352-2361.	0.7	58
75	Multi-agent reinforcement learning for modeling and control of thermostatically controlled loads. Applied Energy, 2019, 238, 1022-1035.	5.1	58
76	Multi-View Least Squares Support Vector Machines Classification. Neurocomputing, 2018, 282, 78-88.	3.5	57
77	Load forecasting using a multivariate meta-learning system. Expert Systems With Applications, 2013, 40, 4427-4437.	4.4	56
78	INTELLIGENCE AND COOPERATIVE SEARCH BY COUPLED LOCAL MINIMIZERS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2001, 11, 2133-2144.	0.7	55
79	NL/sub q/ theory: checking and imposing stability of recurrent neural networks for nonlinear modeling. IEEE Transactions on Signal Processing, 1997, 45, 2682-2691.	3.2	54
80	Subset based least squares subspace regression in RKHS. Neurocomputing, 2005, 63, 293-323.	3.5	54
81	Knowledge discovery in a direct marketing case using least squares support vector machines. International Journal of Intelligent Systems, 2001, 16, 1023-1036.	3.3	53
82	Interior-Point Lagrangian Decomposition Method forÂSeparable Convex Optimization. Journal of Optimization Theory and Applications, 2009, 143, 567-588.	0.8	53
83	NARX Identification of Hammerstein Systems Using Least-Squares Support Vector Machines. Lecture Notes in Control and Information Sciences, 2010, , 241-258.	0.6	52
84	Master-Slave Synchronization of Lur'e Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1997, 07, 665-669.	0.7	51
85	Interpolation Based MPC for LPV Systems using Polyhedral Invariant Sets. , 0, , .		50
86	Least-Squares Support Vector Machines for the identification of Wienerâ€“Hammerstein systems. Control Engineering Practice, 2012, 20, 1165-1174.	3.2	50
87	Low rank updated LS-SVM classifiers for fast variable selection. Neural Networks, 2008, 21, 437-449.	3.3	49
88	Nosologic imaging of the brain: segmentation and classification using MRI and MRSI. NMR in Biomedicine, 2009, 22, 374-390.	1.6	49
89	Extending Newton's law from nonlocal-in-time kinetic energy. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 1201-1211.	0.9	47
90	Nonlinear H/sub âˆž/ synchronization of Lur'e systems: dynamic output feedback case. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1997, 44, 1089-1092.	0.1	45

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91	Towards the detection of error-related potentials and its integration in the context of a P300 speller brainâ€“computer interface. Neurocomputing, 2012, 80, 73-82.	3.5	45
92	Asymmetric least squares support vector machine classifiers. Computational Statistics and Data Analysis, 2014, 70, 395-405.	0.7	45
93	Learning solutions to partial differential equations using LS-SVM. Neurocomputing, 2015, 159, 105-116.	3.5	45
94	Sequential minimal optimization for SVM with pinball loss. Neurocomputing, 2015, 149, 1596-1603.	3.5	45
95	Transfer learning in demand response: A review of algorithms for data-efficient modelling and control. Energy and AI, 2022, 7, 100126.	5.8	45
96	Multiclass Semisupervised Learning Based Upon Kernel Spectral Clustering. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 720-733.	7.2	43
97	Kernel Component Analysis Using an Epsilon-Insensitive Robust Loss Function. IEEE Transactions on Neural Networks, 2008, 19, 1583-1598.	4.8	42
98	Improved Dual Decomposition Based Optimization for DSL Dynamic Spectrum Management. IEEE Transactions on Signal Processing, 2010, 58, 2230-2245.	3.2	40
99	The skweezee system. , 2013, , .		40
100	Multi-Class Supervised Novelty Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 2510-2523.	9.7	40
101	Non-parallel support vector classifiers with different loss functions. Neurocomputing, 2014, 143, 294-301.	3.5	38
102	Quasilinear approach to nonlinear systems and the design of n-double scroll (n = 1, 2, 3, 4,[ellipsis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.2	38
103	Robust Low-Rank Tensor Recovery With Regularized Redescending M-Estimator. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1933-1946.	7.2	37
104	NL q Theory: A Neural Control Framework with Global Asymptotic Stability Criteria. Neural Networks, 1997, 10, 615-637.	3.3	36
105	Identification of Wiener-Hammerstein Systems using LS-SVMs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 820-825.	0.4	36
106	Incremental kernel spectral clustering for online learning of non-stationary data. Neurocomputing, 2014, 139, 246-260.	3.5	36
107	Multiclass LS-SVMs: Moderated Outputs and Coding-Decoding Schemes. Neural Processing Letters, 2002, 15, 45-58.	2.0	34
108	Robust triple mode MPC. International Journal of Control, 2008, 81, 679-689.	1.2	34

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109	Two-level â„“1 minimization for compressed sensing. Signal Processing, 2015, 108, 459-475.	2.1	34
110	Indefinite kernels in least squares support vector machines and principal component analysis. Applied and Computational Harmonic Analysis, 2017, 43, 162-172.	1.1	34
111	Identification of positive real models in subspace identification by using regularization. IEEE Transactions on Automatic Control, 2003, 48, 1843-1847.	3.6	33
112	Random Features for Kernel Approximation: A Survey on Algorithms, Theory, and Beyond. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 7128-7148.	9.7	33
113	Static and dynamic stabilizing neural controllers, applicable to transition between equilibrium points. Neural Networks, 1994, 7, 819-831.	3.3	32
114	Effect of feature extraction for brain tumor classification based on short echo time ¹H MR spectra. Magnetic Resonance in Medicine, 2008, 60, 288-298.	1.9	32
115	Data Visualization and Dimensionality Reduction Using Kernel Maps With a Reference Point. IEEE Transactions on Neural Networks, 2008, 19, 1501-1517.	4.8	31
116	Robustness of Kernel Based Regression: A Comparison of Iterative Weighting Schemes. Lecture Notes in Computer Science, 2009, , 100-110.	1.0	31
117	Confidence bands for least squares support vector machine classifiers: A regression approach. Pattern Recognition, 2012, 45, 2280-2287.	5.1	31
118	Noise Level Estimation for Model Selection in Kernel PCA Denoising. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2650-2663.	7.2	31
119	Deep Restricted Kernel Machines Using Conjugate Feature Duality. Neural Computation, 2017, 29, 2123-2163.	1.3	31
120	WINNING ENTRY OF THE K. U. LEUVEN TIME-SERIES PREDICTION COMPETITION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1999, 09, 1485-1500.	0.7	30
121	LS-SVM approximate solution to linear time varying descriptor systems. Automatica, 2012, 48, 2502-2511.	3.0	30
122	Support vector machines with piecewise linear feature mapping. Neurocomputing, 2013, 117, 118-127.	3.5	30
123	Explaining Support Vector Machines: A Color Based Nomogram. PLoS ONE, 2016, 11, e0164568.	1.1	30
124	Robust Support Vector Machines for Classification with Nonconvex and Smooth Losses. Neural Computation, 2016, 28, 1217-1247.	1.3	29
125	Multi-class kernel logistic regression: a fixed-size implementation. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	28
126	Bagging Linear Sparse Bayesian Learning Models for Variable Selection in Cancer Diagnosis. IEEE Transactions on Information Technology in Biomedicine, 2007, 11, 338-347.	3.6	28

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127	Learning a simple recurrent neural state space model to behave like Chua's double scroll. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1995, 42, 499-502.	0.1	27
128	Learning from General Label Constraints. Lecture Notes in Computer Science, 2004, , 671-679.	1.0	27
129	Primal and dual model representations in kernel-based learning. Statistics Surveys, 2010, 4, .	7.3	27
130	A Mathematical Model for Interpretable Clinical Decision Support with Applications in Gynecology. PLoS ONE, 2012, 7, e34312.	1.1	27
131	A mixed effects least squares support vector machine model for classification of longitudinal data. Computational Statistics and Data Analysis, 2012, 56, 611-628.	0.7	27
132	Parameter estimation of delay differential equations: An integration-free LS-SVM approach. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 830-841.	1.7	27
133	Modelling the strip thickness in hot steel rolling mills using leastâ€squares support vector machines. Canadian Journal of Chemical Engineering, 2018, 96, 171-178.	0.9	27
134	Load Forecasting Using Fixed-Size Least Squares Support Vector Machines. Lecture Notes in Computer Science, 2005, , 1018-1026.	1.0	26
135	Deep hybrid neural-kernel networks using random Fourier features. Neurocomputing, 2018, 298, 46-54.	3.5	26
136	Genetic Weight Optimization of a Feedforward Neural Network Controller. , 1993, , 658-663.		26
137	Toward CNN Chip-Specific Robustness. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2004, 51, 892-902.	0.1	25
138	Building sparse representations and structure determination on LS-SVM substrates. Neurocomputing, 2005, 64, 137-159.	3.5	25
139	A Rank-One Tensor Updating Algorithm for Tensor Completion. IEEE Signal Processing Letters, 2015, 22, 1633-1637.	2.1	25
140	A novel neural grey system model with Bayesian regularization and its applications. Neurocomputing, 2021, 456, 61-75.	3.5	25
141	Modelling the Belgian gas consumption using neural networks. Neural Processing Letters, 1996, 4, 157-166.	2.0	24
142	Primal-Dual Monotone Kernel Regression. Neural Processing Letters, 2005, 22, 171-182.	2.0	24
143	Kernel spectral clustering with memory effect. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 2588-2606.	1.2	24
144	Improved Initialization for Nonlinear State-Space Modeling. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 972-980.	2.4	24

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145	Estimating the unknown time delay in chemical processes. Engineering Applications of Artificial Intelligence, 2016, 55, 219-230.	4.3	24
146	Kernelized Elastic Net Regularization: Generalization Bounds, and Sparse Recovery. Neural Computation, 2016, 28, 525-562.	1.3	24
147	Constrained linear MPC with time-varying terminal cost using convex combinations. Automatica, 2005, 41, 831-837.	3.0	23
148	Distributed nonlinear optimal control using sequential convex programming and smoothing techniques. , 2009, , .		23
149	Hierarchical kernel spectral clustering. Neural Networks, 2012, 35, 21-30.	3.3	23
150	Bankruptcy prediction with least squares support vector machine classifiers. , 0, , .		22
151	Learning of spatiotemporal behaviour in cellular neural networks. International Journal of Circuit Theory and Applications, 2006, 34, 127-140.	1.3	22
152	Sequentially activated groups in neural networks. Europhysics Letters, 2009, 86, 60006.	0.7	22
153	First and Second Order SMO Algorithms for LS-SVM Classifiers. Neural Processing Letters, 2011, 33, 31-44.	2.0	22
154	Sparse kernel spectral clustering models for large-scale data analysis. Neurocomputing, 2011, 74, 1382-1390.	3.5	22
155	Robust artefact detection in long-term ECG recordings based on autocorrelation function similarity and percentile analysis. , 2012, 2012, 3151-4.		22
156	Multilevel Hierarchical Kernel Spectral Clustering for Real-Life Large Scale Complex Networks. PLoS ONE, 2014, 9, e99966.	1.1	22
157	QoS prediction for web service compositions using kernel-based quantile estimation with online adaptation of the constant offset. Information Sciences, 2014, 268, 397-424.	4.0	22
158	Asymmetric <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si55.gif" display="inline" overflow="scroll"><mml:mi>Î½</mml:mi></mml:math>-tube support vector regression. Computational Statistics and Data Analysis, 2014, 77, 371-382.	0.7	22
159	Magnetic eigenmaps for community detection in directed networks. Physical Review E, 2017, 95, 022302.	0.8	22
160	A regularized kernel CCA contrast function for ICA. Neural Networks, 2008, 21, 170-181.	3.3	21
161	Identification of the Silverbox Benchmark Using Nonlinear State-Space Models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 632-637.	0.4	20
162	FURS: Fast and Unique Representative Subset selection retaining large-scale community structure. Social Network Analysis and Mining, 2013, 3, 1075-1095.	1.9	20

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163	Parallelized Tensor Train Learning of Polynomial Classifiers. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4621-4632.	7.2	20
164	Representative subsets for big data learning using k-NN graphs. , 2014, , .		19
165	Solution Path for Pin-SVM Classifiers With Positive and Negative $au $ Values. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1584-1593.	7.2	19
166	A two-experiment approach to Wiener system identification. Automatica, 2018, 93, 282-289.	3.0	19
167	Additive Regularization Trade-Off: Fusion of Training and Validation Levels in Kernel Methods. Machine Learning, 2006, 62, 217-252.	3.4	18
168	Support vector machines and kernel-based learning for dynamical systems modelling. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1029-1037.	0.4	18
169	Robustness of reweighted Least Squares Kernel Based Regression. Journal of Multivariate Analysis, 2010, 101, 447-463.	0.5	18
170	Application of the proximal center decomposition method to distributed model predictive control. , 2008, , .		17
171	Self-tuned kernel spectral clustering for large scale networks. , 2013, , .		17
172	Rank-1 Tensor Properties with Applications to a Class of Tensor Optimization Problems. SIAM Journal on Optimization, 2016, 26, 171-196.	1.2	17
173	Kernel Canonical Correlation Analysis and Least Squares Support Vector Machines. Lecture Notes in Computer Science, 2001, , 384-389.	1.0	17
174	Least squares support vector machines and primal space estimation. , 0, , .		16
175	A comparative study of ls-svmâ€™s applied to the silver box identification problem. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 369-374.	0.4	16
176	Image Segmentation using a Weighted Kernel PCA Approach to Spectral Clustering. , 2007, , .		16
177	P300 Detection Based on Feature Extraction in On-line Brain-Computer Interface. Lecture Notes in Computer Science, 2009, , 339-346.	1.0	16
178	Sparse conjugate directions pursuit with application to fixed-size kernel models. Machine Learning, 2011, 85, 109-148.	3.4	16
179	Stability of Coupled Local Minimizers Within the Lagrange Programming Network Framework. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 377-388.	3.5	16
180	Fixed-size Pegasos for hinge and pinball loss SVM. , 2013, , .		16

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181	The K.U.Leuven Time Series Prediction Competition. , 1998, , 241-253.		16
182	Automatic relevance determination for least squares support vector machine regression. , 0, , .		15
183	The differogram: Non-parametric noise variance estimation and its use for model selection. Neurocomputing, 2005, 69, 100-122.	3.5	15
184	Optimized data fusion for K-means Laplacian clustering. Bioinformatics, 2011, 27, 118-126.	1.8	15
185	Parameter Estimation for Time Varying Dynamical Systems using Least Squares Support Vector Machines. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 1300-1305.	0.4	15
186	Incremental multi-class semi-supervised clustering regularized by Kalman filtering. Neural Networks, 2015, 71, 88-104.	3.3	15
187	Classification With Truncated <inline-formula> <tex-math notation="LaTeX">$ell _{1}$ </tex-math> </inline-formula> Distance Kernel. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2025-2030.	7.2	15
188	Efficient hinging hyperplanes neural network and its application in nonlinear system identification. Automatica, 2020, 116, 108906.	3.0	15
189	Subspace intersection identification of Hammerstein-Wiener systems. , 0, , .		14
190	M@CBETH: a microarray classification benchmarking tool. Bioinformatics, 2005, 21, 3185-3186.	1.8	14
191	Deep convolutional learning for general early design stage prediction models. Advanced Engineering Informatics, 2019, 42, 100982.	4.0	14
192	Impulse response constrained LS-SVM modelling for MIMO Hammerstein system identification. International Journal of Control, 2019, 92, 908-925.	1.2	14
193	On-Line Learning Fokker-Planck Machine. Neural Processing Letters, 1998, 7, 81-89.	2.0	13
194	Imposing Symmetry in Least Squares Support Vector Machines Regression. , 0, , .		13
195	Identifying Customer Profiles in Power Load Time Series Using Spectral Clustering. Lecture Notes in Computer Science, 2009, , 315-324.	1.0	13
196	Hinging Hyperplanes for Time-Series Segmentation. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1279-1291.	7.2	13
197	Soft kernel spectral clustering. , 2013, , .		13
198	Sparse Reductions for Fixed-Size Least Squares Support Vector Machines on Large Scale Data. Lecture Notes in Computer Science, 2013, , 161-173.	1.0	13

#	Article	IF	Citations
199	Kernel Spectral Clustering and Applications. , 2016, , 135-161.		13
200	Fast kernel spectral clustering. Neurocomputing, 2017, 268, 27-33.	3.5	13
201	Magnetic Eigenmaps for the visualization of directed networks. Applied and Computational Harmonic Analysis, 2018, 44, 189-199.	1.1	13
202	Indefinite Kernel Logistic Regression With Concave-Inexact-Convex Procedure. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 765-776.	7.2	13
203	Primal space sparse kernel partial least squares regression for large scale problems. , 0, , .		12
204	CNN Wave based Computation for Robot Navigation on ACE16K. , 0, , .		12
205	Classification of Multichannel Signals With Cumulant-Based Kernels. IEEE Transactions on Signal Processing, 2012, 60, 2304-2314.	3.2	12
206	Morozov, Ivanov and Tikhonov Regularization Based LS-SVMs. Lecture Notes in Computer Science, 2004, , 1216-1222.	1.0	12
207	Impulsive Control of Nonautonomous Chaotic Systems using Practical Stabilization. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1998, 08, 1557-1564.	0.7	11
208	Partially linear models and least squares support vector machines. , 2004, , .		11
209	A Bayesian nonlinear support vector machine error correction model. Journal of Forecasting, 2006, 25, 77-100.	1.6	11
210	Error-related potential recorded by EEG in the context of a p300 mind speller brain-computer interface. , 2010, , .		11
211	Out-of-sample eigenvectors in kernel spectral clustering. , 2011, , .		11
212	Finding communities in weighted networks through synchronization. Chaos, 2011, 21, 043116.	1.0	11
213	Sleep apnea classification using least-squares support vector machines on single lead ECG. , 2013, 2013, 5029-32.		11
214	Regularized Semipaired Kernel CCA for Domain Adaptation. IEEE Transactions on Neural Networks and Learning Systems, 2017, 29, 1-15.	7.2	11
215	Convex Formulation for Kernel PCA and Its Use in Semisupervised Learning. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3863-3869.	7.2	11
216	Correntropy Based Matrix Completion. Entropy, 2018, 20, 171.	1.1	11

#	Article	IF	Citations
217	Transductive Feature Selection Using Clustering-Based Sample Entropy for Temperature Prediction in Weather Forecasting. Entropy, 2018, 20, 264.	1.1	11
218	Tensor-based restricted kernel machines for multi-view classification. Information Fusion, 2021, 68, 54-66.	11.7	11
219	Piecewise linear neural networks and deep learning. Nature Reviews Methods Primers, 2022, 2, .	11.8	11
220	Robust synthesis of constrained linear state feedback using LMIs and polyhedral invariant sets. , 2006, , .		10
221	Sparse kernel models for spectral clustering using the incomplete Cholesky decomposition. , 2008, , .		10
222	A semi-supervised formulation to binary kernel spectral clustering. , 2012, , .		10
223	Kernel spectral clustering for predicting maintenance of industrial machines. , 2013, , .		10
224	Predicting breast cancer using an expression values weighted clinical classifier. BMC Bioinformatics, 2014, 15, 411.	1.2	10
225	A flexible alarm prediction system for smart manufacturing scenarios following a forecasterâ€“analyzer approach. Journal of Intelligent Manufacturing, 2021, 32, 1323-1344.	4.4	10
226	Compactly Supported RBF Kernels for Sparsifying the Gram Matrix in LS-SVM Regression Models. Lecture Notes in Computer Science, 2002, , 720-726.	1.0	10
227	Nuclear norm regularization for overparametrized Hammerstein systems. , 2010, , .		9
228	Metastable states and transient activity in ensembles of excitatory and inhibitory elements. Europhysics Letters, 2010, 91, 20006.	0.7	9
229	Modularity-based model selection for kernel spectral clustering. , 2011, , .		9
230	Kernel spectral clustering for community detection in complex networks. , 2012, , .		9
231	Large scale semi-supervised learning using KSC based model. , 2014, , .		9
232	Black-box modeling for temperature prediction in weather forecasting. , 2015, , .		9
233	Signal recovery for jointly sparse vectors with different sensing matrices. Signal Processing, 2015, 108, 451-458.	2.1	9
234	Fast and scalable Lasso via stochastic Frankâ€“Wolfe methods with a convergence guarantee. Machine Learning, 2016, 104, 195-221.	3.4	9

#	Article	IF	Citations
235	Pinball loss minimization for one-bit compressive sensing: Convex models and algorithms. Neurocomputing, 2018, 314, 275-283.	3.5	9
236	Least squares support vector machine regression for discriminant analysis. , 0, , .		8
237	A regularized formulation for spectral clustering with pairwise constraints. , 2009, , .		8
238	Feature Extraction and Classification of EEG Signals for Rapid P300 Mind Spelling. , 2009, , .		8
239	Quantile regression with â„“ 1â€”regularization and Gaussian kernels. Advances in Computational Mathematics, 2014, 40, 517-551.	0.8	8
240	Learning with continuous piecewise linear decision trees. Expert Systems With Applications, 2021, 168, 114214.	4.4	8
241	Diversity Sampling is an Implicit Regularization for Kernel Methods. SIAM Journal on Mathematics of Data Science, 2021, 3, 280-297.	1.0	8
242	Generative Restricted Kernel Machines: A framework for multi-view generation and disentangled feature learning. Neural Networks, 2021, 135, 177-191.	3.3	8
243	Robust Cross-Validation Score Function for Non-linear Function Estimation. Lecture Notes in Computer Science, 2002, , 713-719.	1.0	8
244	Interpolation based robust MPC with exact constraint handling. , 0, , .		7
245	Robustness analysis for Least Squares kernel based regression: an optimization approach. , 2009, , .		7
246	Differentiation between brain metastases and glioblastoma multiforme based on MRI, MRS and MRSI. , 2009, , .		7
247	Incorporating Best Linear Approximation within LS-SVM-based Hammerstein System Identification. , 2015, , .		7
248	Regularized and sparse stochastic k-means for distributed large-scale clustering. , 2015, , .		7
249	Efficient evolutionary spectral clustering. Pattern Recognition Letters, 2016, 84, 78-84.	2.6	7
250	Multi-view LS-SVM regression for black-box temperature prediction in weather forecasting. , 2017, , .		7
251	Indefinite kernel spectral learning. Pattern Recognition, 2018, 78, 144-153.	5.1	7
252	Hammerstein system identification through best linear approximation inversion and regularisation. International Journal of Control, 2018, 91, 1757-1773.	1.2	7

#	Article	IF	Citations
253	A Double-Variational Bayesian Framework in Random Fourier Features for Indefinite Kernels. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 2965-2979.	7.2	7
254	Outlier detection in non-elliptical data by kernel MRCD. Statistics and Computing, 2021, 31, 1.	0.8	7
255	Latent Space Exploration Using Generative Kernel PCA. Communications in Computer and Information Science, 2020, , 70-82.	0.4	7
256	LS-SVM REGRESSION WITH AUTOCORRELATED ERRORS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 582-587.	0.4	6
257	An application of feature selection to on-line P300 detection in brain-computer interface. , 2009, , .		6
258	Linear parametric noise models for Least Squares Support Vector Machines. , 2010, , .		6
259	Kernel spectral clustering for dynamic data using multiple kernel learning. , 2013, , .		6
260	Non-parallel semi-supervised classification based on kernel spectral clustering. , 2013, , .		6
261	High level high performance computing for multitask learning of time-varying models. , 2014, , .		6
262	Introduction to Machine Learning. Academic Press Library in Signal Processing, 2014, , 765-773.	0.8	6
263	Multi-label semi-supervised learning using regularized kernel spectral clustering. , 2016, , .		6
264	Hammerstein system identification using LS-SVM and steady state time response. , 2016, , .		6
265	The effect of imposing â€˜fractional abundance constraintsâ€™ onto the multilayer perceptron for sub-pixel land cover classification. International Journal of Applied Earth Observation and Geoinformation, 2016, 44, 226-238.	1.4	6
266	Robust Gradient Learning With Applications. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 822-835.	7.2	6
267	Modified Frankâ€“Wolfe algorithm for enhanced sparsity in support vector machine classifiers. Neurocomputing, 2018, 320, 47-59.	3.5	6
268	Unsupervised learning of disentangled representations in deep restricted kernel machines with orthogonality constraints. Neural Networks, 2021, 142, 661-679.	3.3	6
269	Improved Microarray-Based Decision Support with Graph Encoded Interactome Data. PLoS ONE, 2010, 5, e10225.	1.1	6
270	Netgram: Visualizing Communities in Evolving Networks. PLoS ONE, 2015, 10, e0137502.	1.1	6

#	Article	IF	Citations
271	Regularization constants in LS-SVMs: a fast estimate via convex optimization. , 0, , .		5
272	Control of a recurrent neural network emulator for the double scroll. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1996, 43, 511-514.	0.1	5
273	Coupled local minimizers: alternative formulations and extensions. , 0, , .		5
274	NARX identification of hammerstein models using least squares support vector machines. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 363-368.	0.4	5
275	Robust triple mode MPC. , 2006, , .		5
276	SPATIOTEMPORAL PATTERN FORMATION ON THE ACE16k CNN CHIP. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 1537-1546.	0.7	5
277	Polynomial componentwise LS-SVM: Fast variable selection using low rank updates. , 2010, , .		5
278	Segmentation of time series from nonlinear dynamical systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 13209-13214.	0.4	5
279	Supervised Novelty Detection. , 2013, , .		5
280	Clustering data over time using kernel spectral clustering with memory. , 2014, , .		5
281	Optimal reduced sets for sparse kernel spectral clustering. , 2014, , .		5
282	Entropy-Based Incomplete Cholesky Decomposition for a Scalable Spectral Clustering Algorithm: Computational Studies and Sensitivity Analysis. Entropy, 2016, 18, 182.	1.1	5
283	Coordinate Descent Algorithm for Ramp Loss Linear Programming Support Vector Machines. Neural Processing Letters, 2016, 43, 887-903.	2.0	5
284	SVD revisited: A new variational principle, compatible feature maps and nonlinear extensions. Applied and Computational Harmonic Analysis, 2016, 40, 600-609.	1.1	5
285	On the identification of Wiener systems with polynomial nonlinearity. , 2017, , .		5
286	Unpaired multi-view kernel spectral clustering. , 2017, , .		5
287	Tensor Learning in Multi-view Kernel PCA. Lecture Notes in Computer Science, 2018, , 205-215.	1.0	5
288	Short-Term Traffic Flow Prediction Based on the Efficient Hinging Hyperplanes Neural Network. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15616-15628.	4.7	5

#	Article	IF	Citations
289	Application of NLq Neural Control Theory to a Ball and Beam System. European Journal of Control, 1998, 4, 148-157.	1.6	4
290	Bayesian inference for LS-SVMs on large data sets using the Nystrom method. , 0, , .		4
291	Identifying Positive Real Models in Subspace Identification by Using Regularization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 1369-1373.	0.4	4
292	Spatiotemporal pattern formation in the ACE16k CNN Chip. , 0, , .		4
293	CNNOPT: Learning dynamics and CNN chip-specific robustness. , 2006, , .		4
294	Fast an Robust Face Tracking for CNN chips: application to wheelchair driving. , 2006, , .		4
295	State-of-the-Art and Evolution in Public Data Sets and Competitions for System Identification, Time Series Prediction and Pattern Recognition. , 2007, , .		4
296	Fast primal-dual projected linear iterations for distributed consensus in constrained convex optimization. , 2010, , .		4
297	Map-based model of the cardiac action potential. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 2894-2902.	0.9	4
298	Agglomerative hierarchical kernel spectral data clustering. , 2014, , .		4
299	Alarm prediction in industrial machines using autoregressive LS-SVM models. , 2014, , .		4
300	Hybrid Coupled Local Minimizers. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 542-551.	3.5	4
301	A PARTAN-accelerated Frank-Wolfe algorithm for large-scale SVM classification. , 2015, , .		4
302	Identifying intervals for hierarchical clustering using the Gershgorin circle theorem. Pattern Recognition Letters, 2015, 55, 1-7.	2.6	4
303	Wiener System Identification using Best Linear Approximation within the LS-SVM framework. , 2016, , .		4
304	Learning Theory Estimates with Observations from General Stationary Stochastic Processes. Neural Computation, 2016, 28, 2853-2889.	1.3	4
305	Supervised aggregated feature learning for multiple instance classification. Information Sciences, 2017, 375, 234-245.	4.0	4
306	Wasserstein Exponential Kernels. , 2020, , .		4

#	Article	IF	Citations
307	Analysis of regularized least-squares in reproducing kernel KreÄn spaces. Machine Learning, 2021, 110, 1145-1173.	3.4	4
308	Unsupervised Energy-based Out-of-distribution Detection using Stiefel-Restricted Kernel Machine. , 2021, , .		4
309	Robust Generative Restricted Kernel Machines Using Weighted Conjugate Feature Duality. Lecture Notes in Computer Science, 2020, , 613-624.	1.0	4
310	DISCRETE TIME INTERCONNECTED CELLULAR NEURAL NETWORKS WITHIN NLq THEORY. International Journal of Circuit Theory and Applications, 1996, 24, 25-36.	1.3	3
311	CHAOS SYNCHRONIZATION: A LAGRANGE PROGRAMMING NETWORK APPROACH. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 797-810.	0.7	3
312	Variable selection by rank-one updates for least squares support vector machines. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	3
313	ICA through an LS-SVM based Kernel CCA Measure for Independence. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	3
314	Risk group detection and survival function estimation for interval coded survival methods. Neurocomputing, 2013, 112, 200-210.	3.5	3
315	LS-SVM based solution for delay differential equations. Journal of Physics: Conference Series, 2013, 410, 012041.	0.3	3
316	Community detection using Kernel Spectral Clustering with memory. Journal of Physics: Conference Series, 2013, 410, 012100.	0.3	3
317	Fixed-Size Least Squares Support Vector Machines: Scala Implementation for Large Scale Classification. , 2015, , .		3
318	Optimal Quadrature-Sparsification for Integral Operator Approximation. SIAM Journal of Scientific Computing, 2018, 40, A3636-A3674.	1.3	3
319	Generalized support vector regression: Duality and tensor-kernel representation. Analysis and Applications, 2020, 18, 149-183.	1.2	3
320	Toward Deep Adaptive Hinging Hyperplanes. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6373-6387.	7.2	3
321	Classification of Ovarian Tumors Using Bayesian Least Squares Support Vector Machines. Lecture Notes in Computer Science, 2003, , 219-228.	1.0	3
322	Comparing Methods for Multi-class Probabilities in Medical Decision Making Using LS-SVMs and Kernel Logistic Regression. Lecture Notes in Computer Science, 2007, , 139-148.	1.0	3
323	Quadratically Constrained Quadratic Programming for Subspace Selection in Kernel Regression Estimation. Lecture Notes in Computer Science, 2008, , 175-184.	1.0	3
324	Kernel-Based Learning from Infinite Dimensional 2-Way Tensors. Lecture Notes in Computer Science, 2010, , 59-69.	1.0	3

#	Article	IF	Citations
325	Highly Sparse Reductions to Kernel Spectral Clustering. Lecture Notes in Computer Science, 2013, , 163-169.	1.0	3
326	Fixed-size kernel logistic regression for phoneme classification. , 0, , .		3
327	Compressing Features for Learning With Noisy Labels. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 2124-2138.	7.2	3
328	Imposing stability in subspace identification by regularization. , 0, , .		2
329	Variogram based noise variance estimation and its use in kernel based regression. , 0, , .		2
330	Robust complexity criteria for nonlinear regression in NARX models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 79-84.	0.4	2
331	Robust finite-horizon MPC using optimal worst-case closed-loop predictions. , 2004, , .		2
332	Linear MPC with time-varying terminal cost using sparse convex combinations and bisection search. , 2004, , .		2
333	Ordinal Least Squares Support Vector Machines - A Discriminant Analysis Approach. , 2006, , .		2
334	PARTIAL SYNCHRONIZATION IN OSCILLATOR ARRAYS WITH ASYMMETRIC COUPLING. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 4177-4185.	0.7	2
335	A proximal center-based decomposition method for multi-agent convex optimization. , 2008, , .		2
336	Kernel spectral clustering of time series in the CoRoT exoplanet database. Astronomy and Astrophysics, 2011, 531, A156.	2.1	2
337	Robustness of kernel based regression: Influence and weight functions. , 2012, , .		2
338	Modeling of Charge-Trapping/Detrapping-Induced Voltage Instability in High- k Gate Dielectrics. IEEE Transactions on Device and Materials Reliability, 2012, 12, 152-157.	1.5	2
339	Separate initialization of dynamics and nonlinearities in nonlinear state-space models. , 2012, , .		2
340	SVD truncation schemes for fixed-size kernel models. , 2014, , .		2
341	LSSVM based initialization approach for parameter estimation of dynamical systems. Journal of Physics: Conference Series, 2014, 490, 012004.	0.3	2
342	Scalable Semi-supervised kernel spectral learning using random Fourier features. , 2016, , .		2

#	Article	IF	Citations
343	Reweighted stochastic learning. Neurocomputing, 2016, 198, 135-147.	3.5	2
344	The Bures Metric for Generative Adversarial Networks. Lecture Notes in Computer Science, 2021, , 52-66.	1.0	2
345	Reweighted l 2-Regularized Dual Averaging Approach for Highly Sparse Stochastic Learning. Lecture Notes in Computer Science, 2014, , 232-242.	1.0	2
346	MINLIP: Efficient Learning of Transformation Models. Lecture Notes in Computer Science, 2009, , 60-69.	1.0	2
347	Automatic Seizure Detection Incorporating Structural Information. Lecture Notes in Computer Science, 2011, , 233-240.	1.0	2
348	Smoothing Techniques-Based Distributed Model Predictive Control Algorithms for Networks. Lecture Notes in Control and Information Sciences, 2012, , 307-318.	0.6	2
349	Towards a Unified Quadrature Framework for Large-Scale Kernel Machines. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 7975-7988.	9.7	2
350	Feature Selection in Survival Least Squares Support Vector Machines with Maximal Variation Constraints. Lecture Notes in Computer Science, 2009, , 65-72.	1.0	2
351	A CNN Approach to Brian-Like Chaos-Periodicity Transitions. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1998, 08, 2263-2278.	0.7	1
352	On Model Complexity Control in Identification of Hammerstein Systems. , 0, , .		1
353	Extending kernel principal component analysis to general underlying loss functions. , 0, , .		1
354	Maximal variation and missing values for componentwise support vector machines. , 0, , .		1
355	CNNOPT: Learning dynamics and CNN chip-specific robustness. , 2006, , .		1
356	Least Conservative Support and Tolerance Tubes. IEEE Transactions on Information Theory, 2009, 55, 3799-3806.	1.5	1
357	Generating quantum-measurement probabilities from an optimality principle. Physical Review A, 2013, 87, .	1.0	1
358	Kernel spectral document clustering using unsupervised precision-recall metrics. , 2015, , .		1
359	Efficient multiple scale kernel classifiers. , 2016, , .		1
360	Clustering-based feature selection for black-box weather temperature prediction. , 2016, , .		1

#	Article	IF	Citations
361	Denoised Kernel Spectral data Clustering. , 2016, , .		1
362	Impulse Response Constrained LS-SVM modeling for Hammerstein System Identification * *EU: The research leading to these results has received funding from the European Research Council under the European Unions Seventh Framework Programme (FP7/2007-2013) / ERC AdG A-DATADRIVE-B (290923). This paper reflects only the authors views and the Union is not liable for any use that may be made of the contained information. Research Council KUL: CoE PFV/10/002 (OPTEC), BIL12/11T; PhD/Postdoc grants Flemish Government. IFAC-PapersOnLine, 2017, 50, 14046-14051.	0.5	1
363	Fast Adaptive Hinging Hyperplanes. , 2018, , .		1
364	Explainable deep convolutional learning for intuitive model development by nonâ€“machine learning domain experts. Design Science, 2020, 6, .	1.1	1
365	Efficient Sparse Approximation of Support Vector Machines Solving a Kernel Lasso. Lecture Notes in Computer Science, 2017, , 208-216.	1.0	1
366	Fast Hyperparameter Tuning for Support Vector Machines with Stochastic Gradient Descent. Lecture Notes in Computer Science, 2020, , 481-493.	1.0	1
367	M@CBETH: Optimizing Clinical Microarray Classi.cation. , 0, , .		0
368	Fast and roust face tracking applieed to wheelchair driving. , 2006, , .		0
369	Multi-Scroll and Hypercube Attractors from Josephson Junctions. , 0, , .		0
370	Announcement: Focus issue on â€œSynchronization in complex networksâ€• Chaos, 2007, 17, 030201.	1.0	0
371	Smoothing Techniques for Distributed Model Predictive Control Algorithms in Networks*. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 78-83.	0.4	0
372	Improved non-parametric sparse recovery with data matched penalties. , 2010, , .		0
373	Adaptive synchronizability of coupled oscillators with switching. , 2012, , .		0
374	DynOpt: Incorporating dynamics into mean-variance portfolio optimization. , 2013, , .		0
375	New bilinear formulation to semi-supervised classification based on Kernel Spectral Clustering. , 2014, , .		0
376	Gene interaction networks boost genetic algorithm performance in biomarker discovery. , 2014, , .		0
377	Hierarchical semi-supervised clustering using KSC based model. , 2015, , .		0
378	Kernel Methods. , 2015, , 577-605.		0

#	Article	IF	Citations
379	Large-Scale Clustering Algorithms. Studies in Big Data, 2017, , 3-28.	0.8	0
380	Probabilistic matrix factorization from quantized measurements. , 2017, , .		0
381	A primal-dual line search method and applications in image processing. , 2017, , .		0
382	Weighted Multi-view Deep Neural Networks for Weather Forecasting. Lecture Notes in Computer Science, 2018, , 489-499.	1.0	0
383	Functional form estimation using oblique projection matrices for LS-SVM regression models. PLoS ONE, 2019, 14, e0217967.	1.1	0
384	Robust classification of graph-based data. Data Mining and Knowledge Discovery, 2019, 33, 230-251.	2.4	0
385	Kernel Clustering for Knowledge Discovery in Clinical Microarray Data Analysis. , 2007, , 64-92.		0
386	A dual interior-point distributed algorithm for large-scale data networks optimization. , 2009, , .		0
387	Nosologic Imaging of Brain Tumors Using MRI and MRSI. , 2011, , 155-168.		0
388	Weighted Coordinate-Wise Pegasos. Lecture Notes in Computer Science, 2013, , 262-269.	1.0	0
389	Nonlinear system modeling. Neural Network Systems Techniques and Applications, 1998, , 383-433.	0.0	0
390	Axiomatic Kernels on Graphs for Support Vector Machines. Lecture Notes in Computer Science, 2019, , 685-700.	1.0	0
391	Leverage Score Sampling for Complete Mode Coverage in Generative Adversarial Networks. Lecture Notes in Computer Science, 2022, , 466-480.	1.0	0
392	NystrÃ¶m landmark sampling and regularized Christoffel functions. Machine Learning, 0, , 1.	3.4	0
393	Island Transpeciation: A Co-Evolutionary Neural Architecture Search, applied to country-scale air-quality forecasting. IEEE Transactions on Evolutionary Computation, 2022, , 1-1.	7.5	0