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|------|--|-----------|
| 1246 | Linking telecommunications and transportation - the macro simplicity and the micro complexity. 2002 , 2, 40 | 2 |
| 1245 | Expediting model selection for Support Vector Machines based on data reduction. | 2 |
| 1244 | M-estimator based robust kernels for support vector machines. 2004, | 3 |
| 1243 | Empirical comparison and evaluation of classifier performance for data mining in customer relationship management. | 0 |
| 1242 | BACK MATTER. 2004 , 305-331 | |
| 1241 | Decomposition Methods for Linear Support Vector Machines. <i>Neural Computation</i> , 2004 , 16, 1689-1704 2.9 | 27 |
| 1240 | Profiled support vector machines for antisense oligonucleotide efficacy prediction. <i>BMC Bioinformatics</i> , 2004 , 5, 135 | 21 |
| 1239 | Online handwriting recognition using support vector machine. | 13 |
| 1238 | An efficient method for tuning kernel parameter of the support vector machine. | 5 |
| 1237 | The support vector machine learning using the second order cone programming. | 1 |
| 1236 | Forecasting Stock Price by SVMs Regression. 2004 , 295-303 | 16 |
| 1235 | A hybrid GMM-SVM speaker identification system. | 3 |
| 1234 | . 2004 , 42, 1530-1542 | 196 |
| 1233 | Feature Selection for Multi-class Problems Using Support Vector Machines. 2004 , 292-300 | 15 |
| 1232 | Text Classification for DAG-Structured Categories. 2005 , 290-300 | 4 |
| 1231 | Efficient performance estimate for one-class support vector machine. 2005 , 26, 1174-1182 | 31 |
| 1230 | Applying support vector machines to predict building energy consumption in tropical region. 2005 , 37, 545-553 | 486 |

| Automatic masking in multivariate image analysis using support vector machines. 2005 , 79, 42-54 | 25 |
|--|----|
| 1228 The Application of Support Vector Machines to Gas Turbine Performance Diagnosis. 2005 , 18, 15-19 | 7 |
| Contextual weighting for Support Vector Machines in literature mining: an application to gene versus protein name disambiguation. <i>BMC Bioinformatics</i> , 2005 , 6, 157 | 11 |
| 1226 A classification approach based on SVM for electromagnetic subsurface sensing. 2005 , 43, 2084-2093 | 56 |
| A support vector machine approach to classify human cytochrome P450 3A4 inhibitors. 2005 , 19, 189-201 | 50 |
| Support vector machines for separation of mixed plant-pathogen EST collections based on codon usage. 2005 , 21, 1383-8 | 18 |
| A new general framework for shot boundary detection and key-frame extraction. 2005 , | 16 |
| 1222 Scaling Gaussian RBF kernel width to improve SVM classification. | 7 |
| 1221 Natural language grammatical inference with support vector machines. | |
| INFERRING PROTEIN-PROTEIN INTERACTIONS FROM MESSENGER RNA EXPRESSION PROFILES WITH SVM. 2005 , 13, 287-298 | 1 |
| Forecasting stock composite index by fuzzy support vector machines regression. 2005 , | |
| 1218 A New General Framework for Shot Boundary Detection Based on SVM. | 2 |
| Shot Boundary Detection Based on SVM and TMRA. 2005 , 1015-1020 | 2 |
| 1216 New heuristic for determination Gaussian kernels parameter. 2005 , | Ο |
| The high spatial resolution remote sensing image classification based on SVM with the multi-source data. | 1 |
| 1214 Detection and Classification of Rolling-Element Bearing Faults using Support Vector Machines. | 12 |
| Support vector machines for quality monitoring in a plastic injection molding process. 2005 , 35, 401-410 | 64 |
| 1212 A new scheme of automatic modulation classification using wavelet and WSVM. 2005 , | 1 |

1211 Learning Curves of Support Vector Machines.

| A /spl nu/-insensitive SVM approach for compliance monitoring of the conservation reserve program. 2005 , 2, 99-103 | 11 |
|--|-----|
| 1209 SVM classification of human intergenic and gene sequences. 2005 , 195, 168-78 | 4 |
| 1208 Virtual screen for ligands of orphan G protein-coupled receptors. 2005 , 45, 1402-14 | 83 |
| Bus Arrival Time Prediction Using Support Vector Machines. 2006 , 10, 151-158 | 148 |
| 1206 Effects of kernel function on Nu support vector machines in extreme cases. 2006 , 17, 1-9 | 19 |
| 1205 Kernel adaptive subspace detector for hyperspectral imagery. 2006 , 3, 271-275 | 11 |
| Robust support vector regression for biophysical variable estimation from remotely sensed images. 2006, 3, 339-343 | 115 |
| Support vector machines and other pattern recognition approaches to the diagnosis of cerebral palsy gait. 2006 , 53, 2479-90 | 93 |
| 1202 A study on SMO-type decomposition methods for support vector machines. 2006 , 17, 893-908 | 180 |
| Choosing the Kernel parameters of Support Vector Machines According to the Inter-cluster Distance. 2006 , | |
| 1200 Upport vector machines for nonlinear kernel ARMA system identification. 2006 , 17, 1617-22 | 61 |
| Benchmarking of linear and nonlinear approaches for quantitative structure-property relationship studies of metal complexation with ionophores. 2006 , 46, 808-19 | 59 |
| Downscaling of precipitation for climate change scenarios: A support vector machine approach. 2006 , 330, 621-640 | 372 |
| 1197 Rejoinder. 2006 , 21, 358 | 4 |
| Remote sensing image texture classification based on Gabor wavelet and support vector machine. 2006 , | |
| Genetic Algorithms for Support Vector Machine Model Selection. | |
| Choosing the Kernel parameters of Support Vector Machines According to the Inter-cluster Distance. | |

1193 Model Selection: An Empirical Study on Two Kernel Classifiers.

| 1192 Refining Segmental Boundaries using Support Vector Machine. 2006, | 1 |
|---|-----|
| Practical scheme for fast detection and classification of rolling-element bearing faults using support vector machines. 2006 , 20, 1523-1536 | 67 |
| Prediction of dose escalation for rheumatoid arthritis patients under infliximab treatment. 2006 , 19, 819-828 | 7 |
| The evaluation of consumer loans using support vector machines. 2006 , 30, 772-782 | 87 |
| 1188 Adaptive image replica detection based on support vector classifiers. 2006 , 21, 688-703 | 5 |
| Retrieval of oceanic chlorophyll concentration with relevance vector machines. 2006 , 105, 23-33 | 78 |
| 1186 Subsurface characterization with support vector machines. 2006 , 44, 47-57 | 50 |
| Using support vector machines for long-term discharge prediction. 2006 , 51, 599-612 | 403 |
| 1184 Automatic content-based retrieval and semantic classification of video content. 2006 , 6, 30-38 | 2 |
| 1183 Model selection for svm using imitative scale chaos optimization algorithm. 2006 , 10, 531-534 | 7 |
| A support vector machines classifier to assess the severity of idiopathic scoliosis from surface topography. 2006 , 10, 84-91 | 58 |
| 1181 Printing Technique Classification for Document Counterfeit Detection. 2006 , | 17 |
| Spritz: a server for the prediction of intrinsically disordered regions in protein sequences using kernel machines. 2006 , 34, W164-8 | 108 |
| Genetic Algorithms for Support Vector Machine Model Selection. 2006 , | 35 |
| 1178 Stereoscopic imaging for coral segmentation and classification. 2006 , | 9 |
| Vehicular Traffic Flow Dispersion Prediction of Coordinated Signal Control Based on Support Vector Regression. 2006 , | 1 |
| 1176 SVM in the Sand-Dust Storm Forecasting. 2006 , | 1 |
| | |

1175 Model Selection: An Empirical Study on Two Kernel Classifiers. 2006,

| 1174 | SVR Kernel Parameters Selection Based on Steady-State Genetic Algorithm. 2006 , | |
|------|---|----|
| 1173 | The Variant of Gaussian Kernel and Its Model Selection Method. 2007, | 1 |
| 1172 | Substructrual surrogates for learning decomposable classification problems. 2007, | 9 |
| | Investigation of the support vector machine algorithm to predict lung radiation-induced pneumonitis. 2007 , 34, 3808-14 | 70 |
| 1170 | Combination of one-class remote sensing image classifiers. 2007, | 3 |
| 1169 | Establishing Common Pattern of Traditional Chinese Medicine Fingerprint by SVM. 2007, | О |
| 1168 | Intelligent Systems and Signal Processing in Power Engineering. 2007, | 41 |
| 1167 | Improved One-class SVM Classifier for Sounds Classification. 2007, | 27 |
| 1166 | Hyperspectral image classification with mahalanobis relevance vector machines. 2007, | 6 |
| | Platoon Dispersion Prediction under the Condition of Adjacent Cycle Traffic Flow Overlapping Based on Support Vector Regression. 2007 , | 1 |
| 7761 | Feature Extraction and Parameters Selection of Classification Model on Brain-Computer Interface. | 3 |
| 1163 | Kernel Function Characteristic Analysis Based on Support Vector Machine in Face Recognition. 2007 | 4 |
| 1162 | Determination of evaporation duct heights by an inverse method. 2007, | |
| 1161 | Adaptability of SVR Time Series Analysis Used in Forecasting of Logistics Demand. 2007, | 1 |
| 1160 | Classification of lunar soil from reflectance spectrum by PCA and SVM. 2007 , | 1 |
| 1159 | A Hybrid Model for Hydroturbine Generating Unit Trend Analysis. 2007 , | 0 |
| | Exploration of computational methods for classification of movement intention during human voluntary movement from single trial EEG. 2007 , 118, 2637-55 | 88 |

(2008-2007)

| 1157 | Choosing parameters of kernel subspace LDA for recognition of face images under pose and illumination variations. 2007 , 37, 847-62 | | 47 |
|------|---|-----|-----|
| 1156 | Pathological Voice Classification Based on a Single Vowel's Acoustic Features. 2007, | | 5 |
| 1155 | Solving P2P Traffic Identification Problems Via Optimized Support Vector Machines. 2007, | | 9 |
| 1154 | Therapeutic Drug Monitoring of Kidney Transplant Recipients Using Profiled Support Vector Machines. 2007 , 37, 359-372 | | 6 |
| 1153 | A novel approach for prediction of tacrolimus blood concentration in liver transplantation patients in the intensive care unit through support vector regression. 2007 , 11, R83 | | 15 |
| 1152 | Support Vector Machine. 2007 , 161-226 | | 4 |
| 1151 | Classification of Fungal Infected Wheat Kernels Using Near-Infrared Reflectance Hyperspectral Imaging and Support Vector Machine. 2007 , 50, 1779-1785 | | 41 |
| 1150 | A methodological approach to the classification of dermoscopy images. 2007 , 31, 362-73 | | 419 |
| 1149 | Model selection for support vector machines via uniform design. 2007 , 52, 335-346 | | 103 |
| 1148 | The performance of nu-support vector regression on determination of soluble solids content of apple by acousto-optic tunable filter near-infrared spectroscopy. 2007 , 598, 227-34 | | 17 |
| 1147 | An approach of laser-based vehicle monitor. 2007 , 185, 953-962 | | 2 |
| 1146 | Price forecast in the competitive electricity market by support vector machine. 2007 , 382, 98-113 | | 51 |
| 1145 | Stratification bias in low signal microarray studies. <i>BMC Bioinformatics</i> , 2007 , 8, 326 | 3.6 | 45 |
| 1144 | A Support Vector Domain Description Approach to Supervised Classification of Remote Sensing Images. 2007 , 45, 2683-2692 | | 111 |
| 1143 | Comparison of pattern recognition methods in classifying high-resolution BOLD signals obtained at high magnetic field in monkeys. 2008 , 26, 1007-14 | | 54 |
| 1142 | An Objective Analysis of Support Vector Machine Based Classification for Remote Sensing. 2008 , 40, 409-424 | | 121 |
| 1141 | Support vector regression for determining the minimum zone sphericity. 2008 , 35, 916-923 | | 9 |
| 1140 | Downscaling precipitation to river basin in India for IPCC SRES scenarios using support vector machine. 2008 , 28, 401-420 | | 163 |

| 1139 | A support vector machine approach for detecting gene-gene interaction. 2008, 32, 152-67 | 81 |
|------|--|-----|
| 1138 | Fingerprint classification using one-vs-all support vector machines dynamically ordered with naEve Bayes classifiers. 2008 , 41, 662-671 | 88 |
| 1137 | Overt foot movement detection in one single Laplacian EEG derivation. 2008, 175, 148-53 | 41 |
| 1136 | Parameter determination of support vector machine and feature selection using simulated annealing approach. 2008 , 8, 1505-1512 | 229 |
| 1135 | A stopping criterion for active learning. 2008 , 22, 295-312 | 56 |
| 1134 | Churn prediction in subscription services: An application of support vector machines while comparing two parameter-selection techniques. 2008 , 34, 313-327 | 254 |
| 1133 | Particle swarm optimization for parameter determination and feature selection of support vector machines. 2008 , 35, 1817-1824 | 600 |
| 1132 | Boosting random subspace method. 2008 , 21, 1344-62 | 44 |
| 1131 | Computational study of the binding mode of epidermal growth factor receptor kinase inhibitors. 2008 , 71, 434-446 | 14 |
| 1130 | Classifying Multilevel Imagery From SAR and Optical Sensors by Decision Fusion. 2008 , 46, 1457-1466 | 147 |
| 1129 | Chilean Wine Classification Using Volatile Organic Compounds Data Obtained With a Fast GC Analyzer. 2008 , 57, 2421-2436 | 30 |
| 1128 | Selecting subsets of newly extracted features from PCA and PLS in microarray data analysis. 2008 , 9 Suppl 2, S24 | 25 |
| 1127 | A digital modulation signals recognition method under the lower SNR. 2008, | 1 |
| 1126 | A Survey on Training Algorithms for Support Vector Machine Classifiers. 2008, | 16 |
| 1125 | Evolving Output Codes for Multiclass Problems. 2008 , 12, 93-106 | 25 |
| 1124 | Two criteria for model selection in multiclass support vector machines. 2008 , 38, 1432-48 | 22 |
| 1123 | Application of support vector machines for fault diagnosis in power transmission system. 2008 , 2, 119 | 43 |
| 1122 | Using support vector machine to predict eco-environment burden: a case study of Wuhan, Hubei Province, China. 2008 , 21, 45-52 | 5 |

1104

Vector Machine. 2008,

1121 The Model Selection for Semi-Supervised Support Vector Machines. 2008, 1120 SVM Based Prediction of Spontaneous Combustion in Coal Seam. 2008, Training hard-margin support vector machines using greedy stagewise algorithm. 2008, 19, 1446-55 12 Model parameter selection of support vector machines. 2008, 1118 1117 Stool detection in colonoscopy videos. 2008, 2008, 3004-7 6 1116 Automated breast cancer classification using near-infrared optical tomographic images. 2008, 13, 044001 10 Kernel Sliced Inverse Regression with Applications to Classification. 2008, 17, 590-610 57 Real Time Path Predicting for Autonomous Underwater Vehicle Using Support Vector Regression 1114 Machines. 2008, A self-adapting regression SVM model and its application on middle managers performance 1113 1 evaluation. 2008, Research of Housing Loan Credit Evaluation Based SVM. 2008, Grid resource prediction approach based on Nu-Support Vector Regression. 2008, Protein-Protein Interaction Prediction Using Single Class SVM. 2008, 1109 An improved non-comparative classification method for human microRNA gene prediction. 2008, 1 $_{1108}$ FFPred: an integrated feature-based function prediction server for vertebrate proteomes. 2008, 36, W297-302 $_{40}$ 1107 Vehicle Classification at Nighttime Using Eigenspaces and Support Vector Machine. 2008, 12 1106 Design and Implementation of Bandwidth Prediction Based on Grid Service. 2008, 3 1105 A Case Study of Core Vector Machines in Corporate Data Mining. 2008, Forecast of driving load of hybrid electric vehicles by using discrete cosine transform and Support

| | multiple models to generate consensus: application to radiation-induced pneumonitis 2008 , 35, 5098-109 | 36 |
|---------------------|--|----|
| 1102 . 2008, | | 1 |
| 1101 Detection N | Network Anomalies Based on Packet and Flow Analysis. 2008, | 4 |
| 7700 | ltidimensional Step search algorithm for epsilon-insensitive support vector regression in prediction. 2008 , | |
| 1099 SA Optimiz | ing Algorithm of SVM Super-Parameters. 2008 , | |
| 1098 Image class | ification with semi-supervised one-class support vector machine. 2008, | 5 |
| 1097 Retrieval of | oceanic suspended sediment concentration with support vector regression. 2008 , | |
| 1096 A comparis | on of reduced support vector machines. 2008 , 4, 301 | |
| | Clinical Relevance in Ensemble Support Vector Machine Models of Radiation is Risk. 2009 , | 1 |
| 1094 Price Index | of Commodity Retail Predicting Model Based on Support Vector Machine. 2009, | |
| 1093 Mining Prod | duct Features from Free-Text Customer Reviews: An SVM-Based Approach. 2009, | 2 |
| 1092 A Novel Co | ndition Assessment System for Underground Distribution Applications. 2009 , 24, 1115-1125 | 21 |
| 1091 Towards au | tomated assessment of engineering assignments. 2009, | 2 |
| | Modeling on NOx Emission of Power Station Boilers Based on Least Squares Support hines. 2009 , | |
| | rediction of hydroturbine generating units using least squares support vector with genetic algorithms. 2009 , | |
| 1088 Research o | n the AID Measurement Based on Improved SVM Algorithm. 2009 , | |
| 1087 Outlier det | ection of business process based on support vector data description. 2009, | 2 |
| | and data mining approaches for Harmful algal bloom detection and monitoring in the ico region. 2009 , | 5 |

(2009-2009)

| 1085 | microPred: effective classification of pre-miRNAs for human miRNA gene prediction. 2009 , 25, 989-95 | 191 |
|------|--|-----|
| 1084 | Retrieve the evaporation duct height by least-squares support vector machine algorithm. 2009 , 3, 033503 | 7 |
| 1083 | Decoding human motor activity from EEG single trials for a discrete two-dimensional cursor control. 2009 , 6, 046005 | 39 |
| 1082 | Variant of Gaussian kernel and parameter setting method for nonlinear SVM. 2009 , 72, 2931-2937 | 11 |
| 1081 | Learning by local kernel polarization. 2009 , 72, 3077-3084 | 23 |
| 1080 | A scale space approach for unsupervised feature selection in mass spectra classification for ovarian cancer detection. <i>BMC Bioinformatics</i> , 2009 , 10 Suppl 12, S9 | 4 |
| 1079 | . 2009 , 47, 3822-3833 | 38 |
| 1078 | Virtual genetic coding and time series analysis for alternative splicing prediction in C. elegans. 2009 , 45, 109-15 | 1 |
| 1077 | Linear programming support vector regression with wavelet kernel: A new approach to nonlinear dynamical systems identification. 2009 , 79, 2051-2063 | 27 |
| 1076 | Identifying winners of competitive events: A SVM-based classification model for horserace prediction. 2009 , 196, 569-577 | 21 |
| 1075 | A reference model for customer-centric data mining with support vector machines. 2009 , 199, 520-530 | 54 |
| 1074 | Representing Spatial Uncertainty Using Distances and Kernels. 2009, 41, 397-419 | 171 |
| 1073 | A novel algorithm for satellite data transmission. 2009 , 52, 1429-1434 | 1 |
| 1072 | Quantification of the chemical composition of lunar soil in terms of its reflectance spectra by PCA and SVM. 2009 , 28, 204-211 | 12 |
| 1071 | An anthropomorphic robot hand developed based on underactuated mechanism and controlled by EMG signals. 2009 , 6, 255-263 | 97 |
| 1070 | On predictive routing of security contexts in an all-IP network. 2009 , 3, n/a-n/a | 1 |
| 1069 | Choosing the kernel parameters for support vector machines by the inter-cluster distance in the feature space. 2009 , 42, 710-717 | 143 |
| 1068 | Detecting stock-price manipulation in an emerging market: The case of Turkey. 2009 , 36, 11944-11949 | 54 |

| | Fault detection and diagnosis in process data using one-class support vector machines. 2009 , 19, 1627-1639 | 236 |
|------------------------------|--|----------------|
| 1066 | Automated Arabidopsis plant root cell segmentation based on SVM classification and region merging. 2009 , 39, 785-93 | 27 |
| 1065 | Prediction of financial information manipulation by using support vector machine and probabilistic neural network. 2009 , 36, 5419-5423 | 18 |
| 1064 | Wafer defect pattern recognition by multi-class support vector machines by using a novel defect cluster index. 2009 , 36, 10158-10167 | 26 |
| 1063 | Application and analysis of support vector machine based simulation for runoff and sediment yield. 2009 , 103, 527-535 | 77 |
| 1062 | Evolutionary support vector machine inference system for construction management. 2009 , 18, 597-604 | 47 |
| 1061 | Support vector machine prediction of HIV-1 drug resistance using the viral nucleotide patterns. 2009 , 64, 62-72 | 5 |
| 1060 | Real-time highway accident prediction based on support vector machines. 2009, | 6 |
| 1059 | Meteorological Prediction Using Support Vector Regression with Genetic Algorithms. 2009, | O |
| 1058 | Application of SVM in Embedded Character Recognition System. 2009, | 1 |
| | | |
| 105/ | A kernel functions analysis for support vector machines for land cover classification. 2009 , 11, 352-359 | 379 |
| 31 | A kernel functions analysis for support vector machines for land cover classification. 2009 , 11, 352-359 Detecting Unknown Malicious Executables Using Portable Executable Headers. 2009 , | 16 |
| 31 | | |
| 1056 | Detecting Unknown Malicious Executables Using Portable Executable Headers. 2009, Credit Card Transactions, Fraud Detection, and Machine Learning: Modelling Time with LSTM | 16 |
| 1056 | Detecting Unknown Malicious Executables Using Portable Executable Headers. 2009, Credit Card Transactions, Fraud Detection, and Machine Learning: Modelling Time with LSTM Recurrent Neural Networks. 2009, 231-268 An Approach Using Support Vector Machines for Distance Relay Coordination in Transmission | 16 15 |
| 1056 1055 1054 | Detecting Unknown Malicious Executables Using Portable Executable Headers. 2009, Credit Card Transactions, Fraud Detection, and Machine Learning: Modelling Time with LSTM Recurrent Neural Networks. 2009, 231-268 An Approach Using Support Vector Machines for Distance Relay Coordination in Transmission System. 2009, 24, 79-88 | 16 15 16 |
| 1056 1055 1054 1053 | Detecting Unknown Malicious Executables Using Portable Executable Headers. 2009, Credit Card Transactions, Fraud Detection, and Machine Learning: Modelling Time with LSTM Recurrent Neural Networks. 2009, 231-268 An Approach Using Support Vector Machines for Distance Relay Coordination in Transmission System. 2009, 24, 79-88 Innovations in Neural Information Paradigms and Applications. 2009, | 16 15 16 |

| 1049 An Application of Support Vector Machines in Cooling Load Prediction. 2009 , | 15 |
|--|-----|
| Multidimensional classification of hippocampal shape features discriminates Alzheimer's disease and mild cognitive impairment from normal aging. 2009 , 47, 1476-86 | 288 |
| 1047 Fast and efficient strategies for model selection of Gaussian support vector machine. 2009 , 39, 1292-307 | 52 |
| 1046 GA-SVM Based Framework for Time Series Forecasting. 2009 , | 5 |
| Disease risk of missense mutations using structural inference from predicted function. 2010 , 11, 573-88 | 2 |
| 1044 Support Vector Machines for Vegetation Classification A Revision. 2010 , 2010, 273-281 | 12 |
| 1043 Proximity queries using separating bounding volumes. 2010 , 38, 40 | |
| 1042 A multi-voting enhancement for newborn screening healthcare information system. 2010 , 34, 727-33 | 6 |
| 1041 Sentence-level event classification in unstructured texts. 2010 , 13, 132-156 | 21 |
| 1040 Methods for the combination of kernel matrices within a support vector framework. 2010 , 78, 137-174 | 33 |
| 1039 ECM-Aware Cell-Graph Mining for Bone Tissue Modeling and Classification. 2009 , 20, 416-438 | 40 |
| 1038 Heart rate based automatic seizure detection in the newborn. 2010 , 32, 829-39 | 31 |
| Genetic algorithm-least squares support vector regression based predicting and optimizing model on carbon fiber composite integrated conductivity. 2010 , 31, 1042-1049 | 40 |
| Computational prediction of the formation of microporous aluminophosphates with desired structural features. 2010 , 129, 251-255 | 20 |
| 1035 Effective segmentation and classification for HCC biopsy images. 2010 , 43, 1550-1563 | 103 |
| 1034 Support vector machines for default prediction of SMEs based on technology credit. 2010 , 201, 838-846 | 124 |
| 1033 Using support vector machines in diagnoses of urological dysfunctions. 2010 , 37, 4713-4718 | 15 |
| Integrating independent component analysis and support vector machine for multivariate process monitoring. 2010 , 59, 145-156 | 43 |

| 1031 | Uniform design over general input domains with applications to target region estimation in computer experiments. 2010 , 54, 219-232 | 21 |
|------|---|----|
| 1030 | A Nu-support Vector Regression Based System for Grid Resource Monitoring and Prediction. 2010 , 36, 139-146 | |
| 1029 | A stable hyperparameter selection for the Gaussian RBF kernel for discrimination. 2010 , 3, 142-148 | 4 |
| 1028 | Computational study of CCR5 antagonist with support vector machines and three dimensional quantitative structure activity relationship methods. 2010 , 75, 295-309 | 4 |
| 1027 | Integrating Machine Learning Techniques to Adapt Protocols for QoS-enabled Distributed Real-time and Embedded Publish/Subscribe Middleware. 2010 , 2, | 6 |
| 1026 | Efficacy of Using Support Vector Machine in a Contractor Prequalification Decision Model. 2010 , 24, 273-280 | 20 |
| 1025 | Model Development and Validation for Intelligent Data Collection for Lateral Spread Displacements. 2010 , 24, 467-477 | 24 |
| 1024 | Application of support vector machine's parameters selection in echo target recognition. 2010, | |
| 1023 | Financial Distress Prediction of China Listed Companies Based on SD Model and LSSVM. 2010 , | 1 |
| 1022 | Combining Meta-learning and Search Techniques to SVM Parameter Selection. 2010, | 6 |
| 1021 | Research on Event Analysis Approach for the Identification of Aircraft Large Vertical Load. 2010, | |
| 1020 | . 2010, | |
| 1019 | Upper extremity kinetics during walker-assisted gait of knee joint stiffness simulation. 2010 , | |
| 1018 | . 2010, | 2 |
| 1017 | Research of Long-Term Runoff Forecast Based on Support Vector Machine Method. 2010 , 124-133 | 2 |
| 1016 | Bandwidth Prediction based on Nu-Support Vector Regression and Parallel Hybrid Particle Swarm Optimization. 2010 , 3, 70-83 | 10 |
| 1015 | A Method to Determine the Hyper-Parameter Range for Tuning RBF Support Vector Machines. 2010 , | 2 |
| 1014 | Estimating the Market Share Attraction Model using Support Vector Regressions. 2010 , 29, 688-716 | 1 |

1013 A post-processing method for EISI to distinguish breast lesions. **2010**,

| 1012 | A Comparison of Techniques for Handling Incomplete Input Data with a Focus on Attribute | |
|------|---|----|
| 1012 | Relevance Influence. 2010 , | Ο |
| 1011 | Multilevel wireless capsule endoscopy video segmentation. 2010, | 1 |
| 1010 | Identification of N-glycan serum markers associated with hepatocellular carcinoma from mass spectrometry data. 2010 , 9, 104-12 | 58 |
| 1009 | Insulator condition analysis for overhead distribution lines using combined wavelet support vector machine (SVM). 2010 , 17, 89-99 | 40 |
| 1008 | Knowledge-Based and Intelligent Information and Engineering Systems. 2010, | 1 |
| 1007 | Towards a user-friendly brain-computer interface: initial tests in ALS and PLS patients. 2010 , 121, 1293-303 | 61 |
| 1006 | Object-oriented classification of high-resolution remote sensing imagery based on an improved colour structure code and a support vector machine. 2010 , 31, 1453-1470 | 58 |
| 1005 | Comparison of Multiclass SVM Classification Methods to Use in a Supportive System for Distance Relay Coordination. 2010 , 25, 1296-1305 | 28 |
| 1004 | A novel technique for subpixel image classification based on support vector machine. 2010 , 19, 2983-99 | 78 |
| 1003 | Face gender recognition using improved appearance-based Average Face Difference and support vector machine. 2010 , | 1 |
| 1002 | . 2010, | 12 |
| 1001 | Artificial Intelligence and Computational Intelligence. 2010, | 7 |
| 1000 | Facial expression recognition using moment invariants and singular value decomposition. 2010, | 1 |
| 999 | An Approach of Enterprise Financial Crisis Pre-warning Based on Multi-class Support Vector Machine. 2010 , | |
| 998 | Life System Modeling and Intelligent Computing. 2010 , | 1 |
| 997 | Validation and Application of Empirical Liquefaction Models. 2010 , 136, 1618-1633 | 40 |
| 996 | The Semantic Web: Research and Applications. 2010 , | 2 |

| 995 | A Parameters Selection Method of SVM. 2010 , | 1 |
|-----|---|----|
| 994 | A novel pre-miRNA classification approach for the prediction of microRNA genes. 2010, | 2 |
| 993 | A novel construction of SVM compound kernel function. 2010 , | 8 |
| 992 | iSeM: Approximated Reasoning for Adaptive Hybrid Selection of Semantic Services. 2010 , | 15 |
| 991 | An effective method of pruning support vector machine classifiers. 2010 , 21, 26-38 | 23 |
| 990 | Analysis of the distance between two classes for tuning SVM hyperparameters. 2010 , 21, 305-18 | 30 |
| 989 | Image modeling using statistical measures for visual object categorization. 2010, | |
| 988 | Cost-Sensitive Classification on Pathogen Species of Bacterial Meningitis by Surface Enhanced Raman Scattering. 2011 , | 1 |
| 987 | A new method for classification of events in noisy hydrophone data. 2011 , | 2 |
| 986 | k-NS: a classifier by the distance to the nearest subspace. 2011 , 22, 1256-68 | 24 |
| 985 | C-Support Vector Classification: Selection of kernel and parameters in medical diagnosis. 2011 , | 14 |
| 984 | Functional Imaging and Modeling of the Heart. 2011 , | 11 |
| 983 | A module-based scalable identification system for power system overvoltage events. 2011, | |
| 982 | Morphological Classification: Application to Cardiac MRI of Tetralogy of Fallot. 2011 , 6666, 180-187 | 5 |
| 981 | Comparison of supervised and unsupervised machine learning techniques for UXO classification using EMI data. 2011 , | 1 |
| 980 | Facial action unit detection using kernel partial least squares. 2011 , | 15 |
| 979 | Nonlinear modeling of switched reluctance machine. 2011, | 2 |
| 978 | Evolutionary-based support vector machine. 2011 , | 1 |

(2011-2011)

| 977 | Binary classification of aqueous solubility using support vector machines with reduction and recombination feature selection. 2011 , 51, 229-36 | 37 |
|-----|---|-----|
| 976 | Intelligent AP selection for indoor positioning in wireless local area network. 2011, | 2 |
| 975 | Prediction of Sewer Condition Grade Using Support Vector Machines. 2011 , 25, 283-290 | 40 |
| 974 | Support vector machines in water quality management. 2011 , 703, 152-62 | 168 |
| 973 | Assisting the diagnosis of Graves' hyperthyroidism with pattern recognition methods and a set of three routine tests parameters, and their correlations with free T4 levels: Extension to male patients. 2011 , 65, 95-104 | 4 |
| 972 | Using main content extraction to improve performance of Vietnamese web page classification. 2011 , | 1 |
| 971 | Modeling Chlorophyll Content of Korean Pine Needles with NIR and SVM. 2011 , 10, 222-227 | 4 |
| 970 | A practical approach to model selection for support vector machines with a Gaussian kernel. 2011 , 41, 330-40 | 29 |
| 969 | Fingerprint Quality Analysis and Estimation Approach for Fingerprint Matching. 2011, | |
| 968 | Adaptive Kernel Function of SVM for Improving Speech/Music Classification of 3GPP2 SMV. 2011 , 33, 871-879 | 6 |
| 967 | Computer-aided classification of optical images for diagnosis of osteoarthritis in the finger joints. 2011 , 19, 531-44 | 7 |
| 966 | Model Selection in SVMs using Differential Evolution. 2011 , 44, 14717-14722 | 4 |
| 965 | Assessment of input variables determination on the SVM model performance using PCA, Gamma test, and forward selection techniques for monthly stream flow prediction. 2011 , 401, 177-189 | 246 |
| 964 | Identification of electroencephalographic arousals in multichannel sleep recordings. 2011 , 58, 54-63 | 27 |
| 963 | Apnea MedAssist: real-time sleep apnea monitor using single-lead ECG. 2011 , 15, 416-27 | 168 |
| 962 | Relevance assessment of full-waveform lidar data for urban area classification. 2011 , 66, S71-S84 | 154 |
| 961 | An evolution strategy-based multiple kernels multi-criteria programming approach: The case of credit decision making. 2011 , 51, 292-298 | 50 |
| 960 | Particle swarm optimization-least squares support vector regression based forecasting model on dissolved gases in oil-filled power transformers. 2011 , 81, 2074-2080 | 78 |

| 959 | Novel linear search for support vector machine parameter selection. 2011 , 12, 885-896 | 3 |
|-----|---|-----|
| 958 | L2-SVM: Dependence on the regularization parameter. 2011 , 21, 254-257 | Ο |
| 957 | Financial distress prediction based on SVM and MDA methods: the case of Chinese listed companies. 2011 , 45, 671-686 | 30 |
| 956 | An immune system inspired clustering and classification method to detect critical areas in electrical power networks. 2011 , 10, 305-333 | 3 |
| 955 | On-line learning from streaming data with delayed attributes: a comparison of classifiers and strategies. 2011 , 20, 935-944 | 3 |
| 954 | Efficient approximate Regularized Least Squares by Toeplitz matrix. 2011 , 32, 468-475 | 1 |
| 953 | mr2PSO: A maximum relevance minimum redundancy feature selection method based on swarm intelligence for support vector machine classification. 2011 , 181, 4625-4641 | 184 |
| 952 | Using SVM based method for equipment fault detection in a thermal power plant. 2011 , 62, 42-50 | 83 |
| 951 | Feature selection and parameter optimization for support vector machines: A new approach based on genetic algorithm with feature chromosomes. 2011 , 38, 5197-5204 | 110 |
| 950 | Mapping daily global solar irradiation over Spain: A comparative study of selected approaches. 2011 , 85, 2072-2084 | 68 |
| 949 | Applied Informatics and Communication. 2011, | |
| 948 | Momentum Sequential Minimal Optimization: An accelerated method for Support Vector Machine training. 2011 , | 4 |
| 947 | A new parameter optimization algorithm of SVM. 2011 , | |
| 946 | Software reliability prediction model based on PSO and SVM. 2011 , | 3 |
| 945 | Land use classification based on support vector machine in karst areas. 2011, | |
| 944 | Modeling Wood Density of Larch by Near-Infrared Spectrometry and Support Vector Machine. 2011 , 55-57, 433-438 | |
| 943 | Photoacoustic spectroscopy of ovarian normal, benign, and malignant tissues: a pilot study. 2011 , 16, 067001 | 12 |
| 942 | Economic Analysis of Risky Projects Based on LS-SVM. 2011 , 63-64, 403-406 | |

(2012-2011)

| 941 | PREDICTION OF PASSENGER FLOW ON THE HIGHWAY BASED ON THE LEAST SQUARE SUPPOERT VECTOR MACHINE / MAIAUSIIKVADRATIATRAMINIIVEKTORIIMETODO TAIKYMAS KELEIVIII SRAUTUI GREITKELYJE PROGNOZUOTI / | 7 |
|-----|--|-----|
| 940 | Travel Mode Choice Analysis Using Support Vector Machines. 2011 , | 5 |
| 939 | Action unit recognition transfer across datasets. 2011, | 20 |
| 938 | Effects of Symmetry and Number of Compositional Elements on Chinese Users' Aesthetic Ratings of Interfaces: Experimental and Modeling Investigations. 2011 , 27, 245-259 | 16 |
| 937 | Annual Electric Load Forecasting by a Least Squares Support Vector Machine with a Fruit Fly Optimization Algorithm. 2012 , 5, 4430-4445 | 86 |
| 936 | Retrospective Research: Analysis of Liver 31P Magnetic Resonance Spectroscopy Combined with Support Vector Machine. 2012 , 220-223, 2936-2940 | |
| 935 | Reliable Knowledge Discovery. 2012 , | 3 |
| 934 | Landslide Susceptibility Assessment in Vietnam Using Support Vector Machines, Decision Tree, and NaMe Bayes Models. 2012 , 2012, 1-26 | 280 |
| 933 | Semi-coherent time of arrival estimation using regression. 2012 , 132, 832-7 | 4 |
| 932 | Research on Prediction Method of Alloy Element Yield in Smelting Stage of Iron and Steel Product Based on Improved Support Vector Regression. 2012 , 562-564, 302-307 | |
| 931 | Honey Quality Predictions Based on Vis-NIR Laser Diffuse Reflectance Image. 2012 , 195-196, 1321-1326 | |
| 930 | Classification of urban vegetation patterns from hyperspectral imagery: hybrid algorithm based on genetic algorithm tuned fuzzy support vector machine. 2012 , 51, 111709 | 1 |
| 929 | A BIO-MECHANICAL DESIGNED PROSTHETIC HAND WITH MULTI-CONTROL STRATEGIES. 2012 , 09, 1250013 | 6 |
| 928 | Event-based estimation of user experience for network video streaming. 2012, | |
| 927 | An improved grid search algorithm of SVR parameters optimization. 2012, | 9 |
| 926 | Study of Prognostic Method for Distributive Patterns of Summer Rainfall Based on Fuzzy Support Vector Machine. 2012 , | О |
| 925 | A novel model for selecting parameters of SVM with RBF kernel. 2012, | 2 |
| 924 | Highly accurate classification of postures and activities by a shoe-based monitor through classification with rejection. 2012 , 2012, 2611-4 | 2 |

| 923 | Clustering-based discriminative locality alignment for face gender recognition. 2012, | 2 |
|-----|---|-----|
| 922 | The Challenges Involved in Modeling Toxicity Data In Silico: A Review. 2012 , 18, 1266-1291 | 4 |
| 921 | Toward automatic detection of vessel stenoses in cerebral 3D DSA volumes. 2012 , 57, 2555-73 | 1 |
| 920 | Deformation Prediction of Deep Excavation Using Support Vector Machine. 2012 , 157-158, 66-69 | 2 |
| 919 | Particle swarm optimisation-based support vector machine for intelligent fault diagnosis. 2012 , 44, 159 | 4 |
| 918 | The challenges involved in modeling toxicity data in silico: a review. 2012 , 18, 1266-91 | 67 |
| 917 | Prediction and functional analysis of single nucleotide polymorphisms. 2012 , 13, 1012-23 | 6 |
| 916 | Understanding and forecasting polar stratospheric variability with statistical models. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 5691-5701 | 3 |
| 915 | Improvement of SVM-Based Speech/Music Classification Using Adaptive Kernel Technique. 2012 , E95-D, 888-891 | 1 |
| 914 | Recognition of vocal emotions from acoustic profile. 2012 , | 3 |
| 913 | Recent Advances of Large-Scale Linear Classification. 2012 , 100, 2584-2603 | 164 |
| 912 | An enhanced MEMS error modeling approach based on Nu-Support Vector Regression. 2012 , 12, 9448-66 | 40 |
| 911 | Falling detection using multiple doppler sensors. 2012, | 19 |
| 910 | The iSeM matchmaker: A flexible approach for adaptive hybrid semantic service selection. 2012 , 15, 1-14 | 33 |
| 909 | tuPOY: Epitomizing a New Epoch in Communications With Polymer Textiles. 2012, 100, 3079-3098 | 2 |
| 908 | . 2012, | 9 |
| 907 | Investigating Rice Cropping Practices and Growing Areas from MODIS Data Using Empirical Mode Decomposition and Support Vector Machines. 2012 , 49, 117-138 | 29 |
| 906 | Unsupervised learning based performance analysis of n-support vector regression for speed prediction of a large road network. 2012 , | 6 |

| 905 | An Approach to Choosing Gaussian Kernel Parameter for One-Class SVMs via Tightness Detecting. 2012 , | | 6 |
|--------------------------|--|--------|----------------|
| 904 | Lower C limits in support vector machines with radial basis function kernels. 2012, | | Ο |
| 903 | Nonlinear PLS Integrated with Error-Based LSSVM and Its Application to NOx Modeling. 2012 , 51, 16092 | 2-1610 | 0034 |
| 902 | Soft Sensor Modeling for the Efficiency of Steam Turbine Last Stage Group Using Support Vector Machine Regression. 2012 , | | 1 |
| 901 | Data classification using Support Vector Machine integrated with scatter search method. 2012, | | 6 |
| 900 | Parameter determination of support vector machine using scatter search approach. 2012, | | |
| 899 | Enhancing the classification accuracy of Steady-State Visual Evoked Potential-based Brain-Computer Interface using Component Synchrony Measure. 2012 , | | 3 |
| 898 | Multi-objective optimization and Meta-learning for SVM parameter selection. 2012, | | 5 |
| 897 | Stimulus specificity of a steady-state visual-evoked potential-based brain-computer interface. 2012 , 9, 036008 | | 55 |
| 896 | Prediction of the Busy Traffic in Holidays Based on GA-SVR. 2012 , 577-582 | | |
| | | | |
| 895 | Multilayer Architectures for Facial Action Unit Recognition. 2012 , 42, 1027-38 | | 27 |
| 895 894 | Multilayer Architectures for Facial Action Unit Recognition. 2012 , 42, 1027-38 Artificial intelligence techniques for clutter identification with polarimetric radar signatures. 2012 , 109-110, 95-113 | | 27 62 |
| , , | Artificial intelligence techniques for clutter identification with polarimetric radar signatures. 2012 , | | |
| 894 | Artificial intelligence techniques for clutter identification with polarimetric radar signatures. 2012 , 109-110, 95-113 | | 62 |
| 894 893 | Artificial intelligence techniques for clutter identification with polarimetric radar signatures. 2012 , 109-110, 95-113 Predicting seminal quality with artificial intelligence methods. 2012 , 39, 12564-12573 | 3.6 | 62 |
| 894 893 892 | Artificial intelligence techniques for clutter identification with polarimetric radar signatures. 2012, 109-110, 95-113 Predicting seminal quality with artificial intelligence methods. 2012, 39, 12564-12573 Prediction of bank financial strength ratings: The case of Turkey. 2012, 29, 632-640 Finding minimum gene subsets with heuristic breadth-first search algorithm for robust tumor | 3.6 | 62 65 36 |
| 894 893 892 891 | Artificial intelligence techniques for clutter identification with polarimetric radar signatures. 2012, 109-110, 95-113 Predicting seminal quality with artificial intelligence methods. 2012, 39, 12564-12573 Prediction of bank financial strength ratings: The case of Turkey. 2012, 29, 632-640 Finding minimum gene subsets with heuristic breadth-first search algorithm for robust tumor classification. BMC Bioinformatics, 2012, 13, 178 | 3.6 | 62 65 36 |

| 887 | A new automatic identification system of insect images at the order level. 2012 , 33, 102-110 | 90 |
|-----|---|----|
| 886 | Churn Prediction in a Real Online Social Network Using Local Community Analysis. 2012, | 15 |
| 885 | 2.5D Facial Expression Recognition using Photometric Stereo and the Area Weighted Histogram of Shape Index. 2012 , | 2 |
| 884 | ECG signal classification using support vector machine based on wavelet multiresolution analysis. 2012 , | 7 |
| 883 | Machine Learning and Short Positions in Stock Trading Strategies. 2012 , 467-478 | 3 |
| 882 | Adaptive regional feature extraction for very high spatial resolution image classification. 2012 , 6, 063506 | 4 |
| 881 | Towards a better detection of horizontally transferred genes by combining unusual properties effectively. 2012 , 7, e43126 | 7 |
| 880 | SCYPPred: a web-based predictor of SNPs for human cytochrome P450. 2012 , 19, 57-61 | 2 |
| 879 | The iSeM Matchmaker: A Flexible Approach For Adaptive Hybrid Semantic Service Selection. 2012, | 1 |
| 878 | Multiple Kernel Learning for Drug Discovery. 2012 , 31, 313-22 | 1 |
| 877 | Multivariate analysis of cartilage degradation using the support vector machine algorithm. 2012 , 67, 1815-26 | 25 |
| 876 | Asset portfolio optimization using support vector machines and real-coded genetic algorithm. 2012 , 53, 297-315 | 48 |
| 875 | Support vector machine based diagnostic system for breast cancer using swarm intelligence. 2012 , 36, 2505-19 | 61 |
| 874 | Diagnosing Traffic Anomalies Using a Two-Phase Model. 2012 , 27, 313-327 | 2 |
| 873 | Classification of Chinese Soybean Paste by Fourier Transform Near-Infrared (FT-NIR) Spectroscopy and Different Supervised Pattern Recognition. 2012 , 5, 928-934 | 16 |
| 872 | Daily relative humidity projections in an Indian river basin for IPCC SRES scenarios. 2012 , 108, 85-104 | 7 |
| 871 | Electrocardiographic signals and swarm-based support vector machine for hypoglycemia detection. 2012 , 40, 934-45 | 45 |
| 870 | Indoor positioning via nonlinear discriminative feature extraction in wireless local area network. 2012 , 35, 738-747 | 19 |

| | Nonparametric profile monitoring in multi-dimensional data spaces. 2012 , 22, 397-403 | 18 |
|------------------------------------|---|---------------|
| 868 | Combining meta-learning and search techniques to select parameters for support vector machines. 2012 , 75, 3-13 | 77 |
| 867 | Application of global optimization methods to model and feature selection. 2012, 45, 3676-3686 | 37 |
| 866 | Combination of AVNIR-2, PALSAR, and Polarimetric Parameters for Land Cover Classification. 2012 , 50, 1318-1328 | 24 |
| 865 | Properties of the solution of L2-Support Vector Machine as a function of regularization parameter. 2012 , 22, 121-130 | 2 |
| 864 | Control of a vehicle with EEG signals in real-time and system evaluation. 2012, 112, 755-66 | 32 |
| 863 | Parameter selection of support vector machines and genetic algorithm based on change area search. 2012 , 21, 1-8 | 32 |
| 862 | Demand forecasting of perishable farm products using support vector machine. 2013 , 44, 556-567 | 31 |
| 861 | Assessment of asphaltene deposition due to titration technique. 2013 , 339, 72-80 | 30 |
| 860 | Classification using distances from samples to linear manifolds. 2013 , 16, 417-430 | 4 |
| 859 | Fuzzy classifier based support vector regression framework for Poisson ratio determination. 2013 , 96, 7-10 | 16 |
| | | |
| 858 | Centromere and cytoplasmic staining pattern recognition: a local approach. 2013, 51, 1305-14 | 8 |
| 8 ₅ 8 | Centromere and cytoplasmic staining pattern recognition: a local approach. 2013 , 51, 1305-14 Structure-based prediction of the effects of a missense variant on protein stability. 2013 , 44, 847-55 | 29 |
| | | |
| 857 | Structure-based prediction of the effects of a missense variant on protein stability. 2013 , 44, 847-55 | 29 |
| 8 ₅₇ 8 ₅₆ | Structure-based prediction of the effects of a missense variant on protein stability. 2013 , 44, 847-55 Advances in Artificial Intelligence and Its Applications. 2013 , Dynamic prediction of soil salinization in an irrigation district based on the support vector machine. | 29 |
| 857 856 855 | Structure-based prediction of the effects of a missense variant on protein stability. 2013 , 44, 847-55 Advances in Artificial Intelligence and Its Applications. 2013 , Dynamic prediction of soil salinization in an irrigation district based on the support vector machine. 2013 , 58, 719-724 | 29 O 12 |

| 851 | ISHM-based intelligent fusion prognostics for space avionics. 2013 , 29, 200-205 | 16 |
|-----|--|-----|
| 850 | Intelligent risk detection and analysis tools for critical infrastructure protection. 2013, | 2 |
| 849 | Using tabu search to configure support vector regression for effort estimation. 2013, 18, 506-546 | 55 |
| 848 | Daily suspended sediment load prediction using artificial neural networks and support vector machines. 2013 , 478, 50-62 | 147 |
| 847 | A Greedy Search Algorithm for Resolving the Lowermost C Threshold in SVM Classification. 2013, | 3 |
| 846 | A Fast Parameters Selection Method of Support Vector Machine Based on Coarse Grid Search and Pattern Search. 2013 , | 8 |
| 845 | Dichotomous research on near infrared spectrogram of tomato leaf based on SVM algorithm. 2013, | 2 |
| 844 | Probabilistic decision trees using SVM for multi-class classification. 2013, | 4 |
| 843 | GPR identification of voids inside concrete based on the support vector machine algorithm. 2013 , 10, 034002 | 23 |
| 842 | Board-Level Functional Fault Diagnosis Using Artificial Neural Networks, Support-Vector Machines, and Weighted-Majority Voting. 2013 , 32, 723-736 | 65 |
| 841 | Adaptive learning of multi-finger motion recognition based on support vector machine. 2013, | 1 |
| 840 | Classification of MRI Images for Alzheimer's Disease Detection. 2013, | 26 |
| 839 | Comparative study on classification performance between support vector machine and logistic regression. 2013 , 4, 13-24 | 45 |
| 838 | Structure control classification and optimization model of hollow carbon nanosphere core polymer particle based on improved differential evolution support vector machine. 2013 , 37, 7442-7451 | 8 |
| 837 | Evaluation and implementation of vis-NIR spectroscopy models to determine workability. 2013 , 134, 172-179 | 6 |
| 836 | A multi-stage learning framework for intelligent system. 2013 , 40, 3378-3388 | 4 |
| 835 | Improved RMR Rock Mass Classification Using Artificial Intelligence Algorithms. 2013 , 46, 1199-1209 | 22 |
| 834 | A Graph-Based Classification Method for Hyperspectral Images. 2013 , 51, 803-817 | 49 |

| 833 | Effects of data set features on the performances of classification algorithms. 2013 , 40, 1847-1857 | 88 |
|-----|--|-----|
| 832 | Multi-output least-squares support vector regression machines. 2013 , 34, 1078-1084 | 113 |
| 831 | Hybrid of artificial immune system and particle swarm optimization-based support vector machine for Radio Frequency Identification-based positioning system. 2013 , 64, 333-341 | 16 |
| 830 | Associating stock prices with web financial information time series based on support vector regression. 2013 , 115, 142-149 | 44 |
| 829 | Boosting regression methods based on a geometric conversion approach: Using SVMs base learners. 2013 , 113, 67-87 | 7 |
| 828 | Classification of EMG signals using PSO optimized SVM for diagnosis of neuromuscular disorders. 2013 , 43, 576-86 | 302 |
| 827 | Supervised classification and mathematical optimization. 2013 , 40, 150-165 | 82 |
| 826 | Support vector machine and optimised feature extraction in integrated eddy current instrument. 2013 , 46, 764-774 | 35 |
| 825 | PEC defect automated classification in aircraft multi-ply structures with interlayer gaps and lift-offs. 2013 , 53, 39-46 | 53 |
| 824 | Setschenow Constant Prediction Based on the IEF-PCM Calculations. 2013 , 52, 11182-11188 | 18 |
| 823 | Automatic event detection for noisy hydrophone data using relevance features. 2013, | 3 |
| 822 | Assessing the potential of support vector machine for estimating daily solar radiation using sunshine duration. 2013 , 75, 311-318 | 135 |
| 821 | Research on the selection of kernel function in SVM based facial expression recognition. 2013, | 1 |
| 820 | The skweezee system. 2013 , | 31 |
| 819 | Damage Detection of Bridge Structure Based on SVM. 2013 , 2013, 1-7 | 3 |
| 818 | Detection of gastric cancer with Fourier transform infrared spectroscopy and support vector machine classification. 2013 , 2013, 942427 | 10 |
| 817 | Parameter Optimization of SVM Based on Maximum Variance Entropy Criterion. 2013 , 373-375, 1053-1059 | |
| 816 | The Application of Support Vector Regression Models which Based on MATLAB on the Simulation of Wastewater Treatment Plant. 2013 , 664, 197-201 | 2 |

| 815 | The Optimization Algorithm of Aviation Equipment Maintenance Cost Forecast and its Applied Research. 2013 , 760-762, 1851-1855 | | 1 |
|-----|--|-----|-----|
| 814 | A Ship Recognition Method Based on Affinity Propagation. 2013 , | | O |
| 813 | Mixed Kernel Function SVM for Pulmonary Nodule Recognition. 2013, 449-458 | | 3 |
| 812 | Combination of heterogeneous EEG feature extraction methods and stacked sequential learning for sleep stage classification. 2013 , 23, 1350012 | | 50 |
| 811 | Micro-Doppler based target classification using multi-feature integration. 2013, | | 7 |
| 810 | . 2013, | | 1 |
| 809 | Parameter optimization of simulation models for material supply in an emergent disaster based on support vector machine. 2013 , 89, 392-406 | | 4 |
| 808 | Predicting organic acid concentration from UV/vis spectrometry measurements la comparison of machine learning techniques. 2013 , 35, 5-15 | | 17 |
| 807 | Secure unlocking of mobile touch screen devices by simple gestures. 2013, | | 110 |
| 806 | A hybrid genetic algorithm support vector machine approach in the task of forecasting and trading. 2013 , 14, 52-71 | | 17 |
| 805 | Wavelet based intelligent techniques for automatic identification of motor vehicles: a comparative study. 2013 , 11, 42 | | |
| 804 | HuntMi: an efficient and taxon-specific approach in pre-miRNA identification. <i>BMC Bioinformatics</i> , 2013 , 14, 83 | 3.6 | 54 |
| 803 | Impact of Climate Change on Hydrometeorological Variables in a River Basin in India for IPCC SRES Scenarios. 2013 , 327-356 | | 1 |
| 802 | ComputerBided diagnosis of diabetes using least square support vector machine. 2013, 2, | | 2 |
| 801 | Plant microRNA-target interaction identification model based on the integration of prediction tools and support vector machine. 2014 , 9, e103181 | | 16 |
| 800 | Combining the Statistical Model and Heuristic Model to Predict Flow Rate. 2014 , 140, 04014023 | | 15 |
| 799 | A social-spider optimization approach for support vector machines parameters tuning. 2014, | | 5 |
| 798 | Training SVMs on a bound vectors set based on Fisher projection. 2014 , 8, 793-806 | | 56 |

| 797 | Improving classification accuracy of SSVEP based BCI using RBF SVM with signal quality evaluation. 2014 , | 12 |
|-----|---|-----|
| 796 | Deep neural networks rival the representation of primate IT cortex for core visual object recognition. 2014 , 10, e1003963 | 393 |
| 795 | Based on grid-search and PSO parameter optimization for Support Vector Machine. 2014, | 8 |
| 794 | Fault Detection and Diagnosis in Process Data Using Support Vector Machines. 2014 , 2014, 1-9 | 15 |
| 793 | Modified fuzzy support vector machine for credit approval classification. 2014 , 27, 189-211 | 16 |
| 792 | Parameter C Optimizing for Robust Eupport Vector Regression. 2014 , 543-547, 2045-2048 | |
| 791 | A Complete and Improved Mathematical Framework of the Geometric Approach Based on the Scaled Convex Hull (SCH) and its Application to Large Medical Data Sets. 2014 , 556-562, 3935-3940 | |
| 790 | Edge Detector Design Based on LS-SVR. 2014 , 2014, 1-11 | |
| 789 | COD and NH4-N estimation in the inflow of Wastewater Treatment Plants using Machine Learning Techniques. 2014 , | 1 |
| 788 | Solving Linear SVMs with Multiple 1D Projections. 2014 , | 2 |
| 787 | Software defect prediction model based on LLE and SVM. 2014 , | О |
| 786 | Optimization of SVM Method with RBF Kernel. 2014 , 496-500, 2306-2310 | 4 |
| 785 | Minimum Information Loss Based Multi-kernel Learning for Flagellar Protein Recognition in Trypanosoma Brucei. 2014 , | |
| 784 | Time-of-Flight Estimation in the Presence of Outliers. Part IIMultiple Echo Processing. 2014, 52, 3843-3850 | 3 |
| 783 | Classification of Chinese Herbal medicines based on SVM. 2014 , | 4 |
| 782 | Estimating and Forecasting APARCH-Skew-t Model by Wavelet Support Vector Machines. 2014 , 33, 259-269 | 7 |
| 781 | Robust Visual Tracking via Multiple Kernel Boosting With Affinity Constraints. 2014 , 24, 242-254 | 47 |
| 780 | Kernel robust mixed-norm adaptive filtering. 2014 , | 5 |

| 779 | Research on Applicability of SVM Kernel Functions Used in Binary Classification. 2014, 833-844 | 6 |
|-----|---|-----|
| 778 | Hyperspectral VisibleNear Infrared Determination of Arsenic Concentration in Soil. 2014, 45, 2911-2920 | 15 |
| 777 | A New Dew and Frost Detection Sensor Based on Computer Vision. 2014 , 31, 2692-2712 | 6 |
| 776 | UnSplicer: mapping spliced RNA-Seq reads in compact genomes and filtering noisy splicing. 2014 , 42, e25 | 3 |
| 775 | On the relevance of sparsity for image classification. 2014 , 125, 115-127 | 13 |
| 774 | Water stress detection based on optical multisensor fusion with a least squares support vector machine classifier. 2014 , 117, 15-22 | 40 |
| 773 | Operator functional state classification using least-square support vector machine based recursive feature elimination technique. 2014 , 113, 101-15 | 43 |
| 772 | Multi-task least-squares support vector machines. 2014 , 71, 699-715 | 34 |
| 771 | Electromagnetism-like algorithm for support vector machine parameter tuning. 2014 , 18, 1985-1998 | 1 |
| 770 | Highly accurate recognition of human postures and activities through classification with rejection. 2014 , 18, 309-15 | 46 |
| 769 | Flood susceptibility mapping using a novel ensemble weights-of-evidence and support vector machine models in GIS. 2014 , 512, 332-343 | 470 |
| 768 | Single-trial classification of EEG in a visual object task using ICA and machine learning. 2014 , 228, 1-14 | 78 |
| 767 | Rapid measurement of total polyphenols content in cocoa beans by data fusion of NIR spectroscopy and electronic tongue. 2014 , 6, 5008-5015 | 19 |
| 766 | Optimizing parameters of support vector machine using fast messy genetic algorithm for dispute classification. 2014 , 41, 3955-3964 | 47 |
| 765 | Monitoring of solid-state fermentation of protein feed by electronic nose and chemometric analysis. 2014 , 49, 583-588 | 14 |
| 764 | State of the Art Applications of Social Network Analysis. 2014 , | 5 |
| 763 | Modern Advances in Applied Intelligence. 2014 , | |
| 762 | Data-driven diagnosis of PEM fuel cell: A comparative study. 2014 , 28, 1-12 | 47 |

| 761 | Clinician's road map to wavelet EEG as an Alzheimer's disease biomarker. 2014 , 45, 104-12 | 16 |
|-----------------|--|-----|
| 760 | A novel hybrid fusion algorithm to bridge the period of GPS outages using low-cost INS. 2014 , 41, 2166-2173 | 58 |
| 759 | An improved GA-SVM algorithm. 2014 , | 3 |
| 75 ⁸ | Learning Kernels for Support Vector Machines with Polynomial Powers of Sigmoid. 2014, | 2 |
| 757 | Nondestructive gender identification of silkworm cocoons using X-ray imaging with multivariate data analysis. 2014 , 6, 7224-7233 | 15 |
| 756 | Fault detection based on a robust one class support vector machine. 2014 , 145, 263-268 | 91 |
| 755 | Prediction of shear wave velocity using empirical correlations and artificial intelligence methodsPeer review under responsibility of National Research Institute of Astronomy and Geophysics.View all notes. 2014 , 3, 70-81 | 41 |
| 754 | Support Vector Machine Regression for project control forecasting. 2014 , 47, 92-106 | 55 |
| 753 | An Improved Ensemble Learning Method for Classifying High-Dimensional and Imbalanced Biomedicine Data. 2014 , 11, 657-66 | 60 |
| 75 ² | Regional manifold learning for disease classification. 2014 , 33, 1236-47 | 14 |
| 751 | Traffic Sign Recognition based on multi-block LBP features using SVM with normalization. 2014, | 8 |
| 750 | Time-of-Flight Estimation in the Presence of Outliers Part IBingle Echo Processing. 2014, 52, 3382-3392 | 4 |
| 749 | Advances in Swarm Intelligence. 2014, | 1 |
| 748 | Applications of artificial intelligence methods in prediction of permeability in hydrocarbon reservoirs. 2014 , 122, 643-656 | 31 |
| 747 | Spatiotemporal Patterns in Large-Scale Traffic Speed Prediction. 2014 , 15, 794-804 | 122 |
| 746 | Use seismic colored inversion and power law committee machine based on imperial competitive algorithm for improving porosity prediction in a heterogeneous reservoir. 2014 , 108, 61-68 | 21 |
| 745 | Local online kernel ridge regression for forecasting of urban travel times. 2014 , 46, 151-178 | 43 |
| 744 | Prediction of Crude Oil Asphaltene Precipitation Using Support Vector Regression. 2014 , 35, 518-523 | 21 |

| 743 | How committee machine with SVR and ACE estimates bubble point pressure of crudes. 2014 , 382, 139-149 | 23 |
|-----|---|----|
| 742 | EEG gamma band oscillations differentiate the planning of spatially directed movements of the arm versus eye: multivariate empirical mode decomposition analysis. 2014 , 22, 1083-96 | 17 |
| 741 | Super-parameter selection for Gaussian-Kernel SVM based on outlier-resisting. 2014 , 58, 147-153 | 15 |
| 740 | HEART SOUND CLASSIFICATION AND RECOGNITION BASED ON EEMD AND CORRELATION DIMENSION. 2014 , 14, 1450046 | 3 |
| 739 | A novel decision fusion method based on weights of evidence model. 2014 , 5, 123-137 | 6 |
| 738 | A prior-knowledge input LSSVR metamodeling method with tuning based on cellular particle swarm optimization for engineering design. 2014 , 41, 2111-2125 | 22 |
| 737 | Supervised word sense disambiguation using semantic diffusion kernel. 2014 , 27, 167-174 | 22 |
| 736 | A nested heuristic for parameter tuning in Support Vector Machines. 2014 , 43, 328-334 | 22 |
| 735 | Energy-Efficient Time-of-Flight Estimation in the Presence of Outliers: A Machine Learning Approach. 2014 , 7, 1306-1313 | 1 |
| 734 | Towards an optimal support vector machine classifier using a parallel particle swarm optimization strategy. 2014 , 239, 180-197 | 59 |
| 733 | Reliability assessment with sensitivity-based adaptive SVM surrogates. 2014 , 3297-3304 | 1 |
| 732 | Hidden Markov Support Vector Machines for Self-Paced Brain Computer Interfaces. 2015, | 2 |
| 731 | The Construction of Fabric Grading Model Based on SOM Algorithm. 2015, | 1 |
| 730 | A tool for developing an automatic insect identification system based on wing outlines. 2015 , 5, 12786 | 34 |
| 729 | Forecast of line ice-coating degree using circumfluence index & support vector machine method. 2015 , | 0 |
| 728 | Leveling L2 Texts Through Readability: Combining Multilevel Linguistic Features with the CEFR. 2015 , 99, 371-391 | 24 |
| 727 | Interpolation techniques for modeling and estimating indoor radon concentrations in Ohio: Comparative study. 2015 , 34, 169-177 | 2 |
| 726 | Tuning to optimize SVM approach for assisting ovarian cancer diagnosis with photoacoustic imaging. 2015 , 26 Suppl 1, S975-81 | 7 |

(2015-2015)

| 725 | Accuracy. 2015 , | 1 |
|-----|--|-----|
| 724 | . 2015, | 1 |
| 723 | Monitoring Soil Salinization in Keriya River Basin, Northwestern China Using Passive Reflective and Active Microwave Remote Sensing Data. 2015 , 7, 8803-8829 | 36 |
| 722 | Comparing Different Classifiers in Sensory Motor Brain Computer Interfaces. 2015 , 10, e0129435 | 40 |
| 721 | Potential Compounds for Oral Cancer Treatment: Resveratrol, Nimbolide, Lovastatin, Bortezomib, Vorinostat, Berberine, Pterostilbene, Deguelin, Andrographolide, and Colchicine. 2015 , 10, e0141719 | 28 |
| 720 | An Enhanced Artificial Bee Colony-Based Support Vector Machine for Image-Based Fault Detection. 2015 , 2015, 1-12 | 9 |
| 719 | Retrieving Leaf Area Index from Remotely Sensed Data Using Advanced Statistical Approaches. 2015 , 05, | |
| 718 | Applying Machine Learning Techniques to Transportation Mode Recognition Using Mobile Phone Sensor Data. 2015 , 16, 2406-2417 | 143 |
| 717 | Confirming robustness of fuzzy support vector machine via B ound. 2015 , 162, 256-266 | 6 |
| 716 | Identifying Product and Process State Drivers in Manufacturing Systems Using Supervised Machine Learning. 2015 , | 10 |
| 715 | Statistical downscaling of temperature using three techniques in the Tons River basin in Central India. 2015 , 121, 605-622 | 40 |
| 714 | Uncertainty analysis of support vector machine for online prediction of five-day biochemical oxygen demand. 2015 , 527, 833-843 | 51 |
| 713 | On the identification of sleep stages in mouse electroencephalography time-series. 2015 , 246, 52-64 | 3 |
| 712 | Genetic algorithm based support vector machine for on-line voltage stability monitoring. 2015 , 73, 200-208 | 70 |
| 711 | Support vector machines and strictly positive definite kernel: The regularization hyperparameter is more important than the kernel hyperparameters. 2015 , | 8 |
| 710 | Selective features for RGB-D saliency. 2015 , | 2 |
| 709 | Webcam classification using simple features. 2015 , | |
| 708 | Malicious attack detection in underwater wireless sensor network. 2015 , | 3 |
| | | |

| 707 | Forecasting Auroral Substorms from Observed Data with a Supervised Learning Algorithm. 2015, | 1 |
|-----|--|-----|
| 706 | Ship efficiency forecast based on sensors data collection: Improving numerical models through data analytics. 2015 , | 10 |
| 705 | Towards intelligent hospital devices: Health caring of patients with motor disabilities. 2015, | |
| 704 | Fully Empirical and Data-Dependent Stability-Based Bounds. 2015 , 45, 1913-26 | 26 |
| 703 | . 2015, | 6 |
| 702 | A wireless, smart EEG system for volitional control of lower-limb prosthesis. 2015 , | 8 |
| 701 | An approach for hyperspectral image classification utilization spatial-spectral combined kernel SVM. 2015 , | 0 |
| 700 | Applicability of linear and nonlinear principal component analysis for damage detection. 2015, | 12 |
| 699 | Application of support vector machine and genetic algorithm optimization for quality prediction within complex industrial process. 2015 , | 2 |
| 698 | Robust support vector data description for outlier detection with noise or uncertain data. 2015 , 90, 129-137 | 58 |
| 697 | Step-wise support vector machines for classification of overlapping samples. 2015 , 155, 159-166 | 18 |
| 696 | Melt index prediction by least squares support vector machines with an adaptive mutation fruit fly optimization algorithm. 2015 , 141, 79-87 | 50 |
| 695 | Hilbert marginal spectrum analysis for automatic seizure detection in EEG signals. 2015, 18, 179-185 | 110 |
| 694 | Smart Artificial Firefly Colony Algorithm-Based Support Vector Regression for Enhanced Forecasting in Civil Engineering. 2015 , 30, 715-732 | 86 |
| 693 | Spectral and Texture Features Combined for Forest Tree species Classification with Airborne Hyperspectral Imagery. 2015 , 43, 101-107 | 27 |
| 692 | Prediction of a solid desiccant dehydrator performance using least squares support vector machines algorithm. 2015 , 50, 115-122 | 27 |
| 691 | Flood susceptibility analysis and its verification using a novel ensemble support vector machine and frequency ratio method. 2015 , 29, 1149-1165 | 200 |
| 690 | Applications of SVR to the Aveiro discretization method. 2015 , 19, 1939-1951 | 1 |

(2015-2015)

| 689 | A LSSVM approach for determining well placement and conning phenomena in horizontal wells. 2015 , 153, 276-283 | | 81 |
|-----|---|-----|-----|
| 688 | The Bi-Directional Prediction of Carbon Fiber Production Using a Combination of Improved Particle Swarm Optimization and Support Vector Machine. 2014 , 8, 117-136 | | 10 |
| 687 | The responsibility weighted Mahalanobis kernel for semi-supervised training of support vector machines for classification. 2015 , 323, 179-198 | | 25 |
| 686 | A real-time pinch-to-zoom motion detection by means of a surface EMG-based human-computer interface. 2014 , 15, 394-407 | | 19 |
| 685 | Monitoring the wheat straw fermentation process using an electronic nose with pattern recognition methods. 2015 , 7, 6006-6011 | | 10 |
| 684 | Fruit Fly Optimization Algorithm Based SVM Classifier for Efficient Detection of Parkinson Disease. 2015 , 98-106 | | 1 |
| 683 | Global resolution of the support vector machine regression parameters selection problem with LPCC. 2015 , 3, 197-261 | | 3 |
| 682 | A dual-parameter optimization KPCA method for process fault diagnosis. 2015, | | 2 |
| 681 | Land Cover/Use Classification Based on Feature Selection. 2015 , 73, 380-385 | | 2 |
| 680 | A probabilistic multi-class classifier for structural health monitoring. 2015 , 60-61, 106-123 | | 18 |
| 679 | Malware behavioural detection and vaccine development by using a support vector model classifier. 2015 , 81, 1012-1026 | | 39 |
| 678 | Novel Prediction of Total Fat Content in Cocoa Beans by FT-NIR Spectroscopy Based on Effective Spectral Selection Multivariate Regression. 2015 , 8, 945-953 | | 31 |
| 677 | FastMMD: Ensemble of Circular Discrepancy for Efficient Two-Sample Test. <i>Neural Computation</i> , 2015 , 27, 1345-72 | 2.9 | 13 |
| 676 | Predicting protein-binding RNA nucleotides with consideration of binding partners. 2015 , 120, 3-15 | | 6 |
| 675 | Improved waveform-feature-based vehicle classification using a single-point magnetic sensor. 2015 , 49, 663-682 | | 8 |
| 674 | A novel hybrid method for crude oil price forecasting. 2015 , 49, 649-659 | | 141 |
| 673 | Predicting aphasia type from brain damage measured with structural MRI. 2015 , 73, 203-15 | | 71 |
| 672 | SAMSVM: A tool for misalignment filtration of SAM-format sequences with support vector machine. 2015 , 13, 1550025 | | 11 |

| 671 | Condition Based Maintenance in Railway Transportation Systems Based on Big Data Streaming Analysis. 2015 , 53, 437-446 | 72 |
|-----|--|-----|
| 670 | Mapping land cover and land use from object-based classification: an example from a complex agricultural landscape. 2015 , 36, 4702-4723 | 47 |
| 669 | Prediction of viscosity of water-based Al2O3, TiO2, SiO2, and CuO nanofluids using a reliable approach. 2015 , 149, 60-69 | 49 |
| 668 | Evolutionary Image Descriptor. 2015 , | 1 |
| 667 | Warm Start for Parameter Selection of Linear Classifiers. 2015, | 8 |
| 666 | In situ monitoring of FDM machine condition via acoustic emission. 2015 , 84, 1483 | 35 |
| 665 | Evaluation of automated lithology classification architectures using highly-sampled wireline logs for coal exploration. 2015 , 83, 209-218 | 30 |
| 664 | Semisupervised Pair-Wise Band Selection for Hyperspectral Images. 2015 , 8, 2798-2813 | 22 |
| 663 | DeepStealth: Leveraging Deep Learning Models for Stealth Assessment in Game-Based Learning Environments. 2015 , 277-286 | 11 |
| 662 | Image descriptor: A genetic programming approach to multiclass texture classification. 2015, | 20 |
| 661 | Performance evaluation of kernel functions based on grid search for support vector regression. 2015 , | 12 |
| 660 | Optimal Hyper-Parameter Search in Support Vector Machines Using BEier Surfaces. 2015 , 623-629 | 1 |
| 659 | Bioinformatics tools for discovery and functional analysis of single nucleotide polymorphisms. 2015 , 827, 287-310 | 8 |
| 658 | Application of wavelet analysis and a particle swarm-optimized support vector machine to predict the displacement of the Shuping landslide in the Three Gorges, China. 2015 , 73, 4791-4804 | 71 |
| 657 | Support vector regression based determination of shear wave velocity. 2015 , 125, 95-99 | 48 |
| 656 | Machine learning framework for early MRI-based Alzheimer's conversion prediction in MCI subjects. 2015 , 104, 398-412 | 388 |
| 655 | Automatically classifying paintings with perceptual inspired descriptors. 2015, 26, 222-230 | 11 |
| 654 | An overview of kernel alignment and its applications. 2015 , 43, 179-192 | 38 |

Advance in Structural Bioinformatics. 2015, 653 4 Extreme Learning Machine With Composite Kernels for Hyperspectral Image Classification. 2015, 8, 2351-2360125 652 Connectionist technique estimates H2S solubility in ionic liquids through a low parameter 651 70 approach. 2015, 97, 81-87 Robust data-driven soft sensor based on iteratively weighted least squares support vector 650 12 regression optimized by the cuckoo optimization algorithm. 2015, 22, 35-41 A rigorous model to predict the amount of Dissolved Calcium Carbonate Concentration throughout 649 78 oil field brines: Side effect of pressure and temperature. 2015, 139, 154-159 Constructing and validating readability models: the method of integrating multilevel linguistic 648 18 features with machine learning. 2015, 47, 340-54 Transductive active learning IA new semi-supervised learning approach based on iteratively 647 30 refined generative models to capture structure in data. 2015, 293, 275-298 646 Support vector regression between PVT data and bubble point pressure. 2015, 5, 227-231 6 A quantitative estimation technique for welding quality using local mean decomposition and 645 29 support vector machine. **2016**, 27, 525-533 Machine learning approaches for improving condition-based maintenance of naval propulsion 644 36 plants. 2016, 230, 136-153 Linear and Kernel Classification: When to Use Which?. 2016, 643 19 Numerical Description of Hot Flow Behaviors at Ti-6Al-2Zr-1Mo-1V Alloy By GA-SVR and Relative 642 9 Applications. **2016**, 19, 1253-1269 Identification of Shearer Cutting Patterns Using Vibration Signals Based on a Least Squares Support 641 24 Vector Machine with an Improved Fruit Fly Optimization Algorithm. 2016, 16, A new fuzzy membership assignment and model selection approach based on dynamic class centers 640 11 for fuzzy SVM family using the firefly algorithm. 2016, 24, 1797-1814 Changing States of Multistage Process Chains. 2016, 2016, 1-11 639 2 Graph Theory-Based Brain Connectivity for Automatic Classification of Multiple Sclerosis Clinical 638 49 Courses. 2016, 10, 478 Numerical Descriptions of Hot Flow Behaviors across Transus for as-Forged TillOV0FeBAl Alloy 637 9 by LHS-SVR and GA-SVR and Improvement in Forming Simulation Accuracy. 2016, 6, 210 Effects of Process Parameters on the Extraction of Quercetin and Rutin from the Stalks of Euonymus Alatus (Thumb.) Sieb and Predictive Model Based on Least Squares Support Vector 636 10 Machine Optimized by an Improved Fruit Fly Optimization Algorithm. 2016, 6, 340

| 635 | Classifying Response Correctness across Different Task Sets: A Machine Learning Approach. 2016 , 11, e0152864 | 10 |
|-----|---|----|
| 634 | Surface roughness prediction model and experimental results based on multi-wavelength fiber optic sensors. 2016 , 24, 25119-25128 | 6 |
| 633 | Mapping Complex Urban Land Cover from Spaceborne Imagery: The Influence of Spatial Resolution, Spectral Band Set and Classification Approach. 2016 , 8, 88 | 77 |
| 632 | Enhanced pedotransfer functions with support vector machines to predict water retention of calcareous soil. 2016 , 67, 276-284 | 32 |
| 631 | Adapting to Climate Change: Water Management Strategy. 2016 , 737-752 | |
| 630 | BPPGD: Budgeted Parallel Primal Gradient Descent Kernel SVM on Spark. 2016, | 1 |
| 629 | Neural Network Conditional Random Fields for Self-Paced Brain Computer Interfaces. 2016, | 1 |
| 628 | Biomedical classification application and parameters optimization of mixed kernel SVM based on the information entropy particle swarm optimization. 2016 , 21, 132-141 | 8 |
| 627 | Optimizing support vector machine parameters using cuckoo search algorithm via cross validation. 2016 , | 3 |
| 626 | Oil Formation Volume Factor Determination Through a Fused Intelligence. 2016 , 64, 2510-2529 | 1 |
| 625 | Support vectors machine classification of surface electromyography for non-invasive naturally controlled hand prostheses. 2016 , 2016, 788-791 | 8 |
| 624 | Recognition of dissolved gas in transformer oil by ant colony optimization support vector machine. 2016 , | 1 |
| 623 | Advanced Analytics for Train Delay Prediction Systems by Including Exogenous Weather Data. 2016 , | 20 |
| 622 | Feature selection for multiclass support vector machines. 2016 , 29, 583-593 | 2 |
| 621 | Bridging the divide in financial market forecasting: machine learners vs. financial economists. 2016 , 61, 215-234 | 73 |
| 620 | Binary classification SVM-based algorithms with interval-valued training data using triangular and Epanechnikov kernels. 2016 , 80, 53-66 | 19 |
| 619 | Statistical and machine learning approach for planning dial-a-ride systems. 2016 , 89, 41-55 | 7 |
| 618 | A carbon risk prediction model for Chinese heavy-polluting industrial enterprises based on support vector machine. 2016 , 89, 304-315 | 11 |

(2016-2016)

| 617 | Application of genetic algorithm-based support vector machines for prediction of soil liquefaction. 2016 , 75, 1 | 16 |
|-----|---|-----|
| 616 | Metaheuristic optimization within machine learning-based classification system for early warnings related to geotechnical problems. 2016 , 68, 65-80 | 39 |
| 615 | Classification of amyloid status using machine learning with histograms of oriented 3D gradients. 2016 , 12, 990-1003 | 9 |
| 614 | Authentication of Smartphone Users Using Behavioral Biometrics. 2016 , 18, 1998-2026 | 87 |
| 613 | Underwater gas pipeline leakage source localization by distributed fiber-optic sensing based on particle swarm optimization tuning of the support vector machine. 2016 , 55, 242-7 | 17 |
| 612 | A comparison of feature selection methods for machine learning based automatic malarial cell recognition in wholeslide images. 2016 , | 8 |
| 611 | GIS based frequency ratio and index of entropy models to landslide susceptibility mapping (Daguan, China). 2016 , 75, 1 | 29 |
| 610 | A novel binary bat algorithm with chaos and Doppler effect in echoes for analog fault diagnosis. 2016 , 87, 437-450 | 6 |
| 609 | Machine learning in manufacturing: advantages, challenges, and applications. 2016 , 4, 23-45 | 404 |
| 608 | Feature significance-based multibag-of-visual-words model for remote sensing image scene classification. 2016 , 10, 035004 | 57 |
| 607 | Advances in Artificial Intelligence - IBERAMIA 2016. 2016 , | O |
| 606 | Intelligent robust PI adaptive control strategy for speed control of EV(s). 2016, 10, 433-441 | 16 |
| 605 | End-of-line fault detection for combustion engines using one-class classification. 2016, | 6 |
| 604 | A decision Fusion method for land cover classification using Multi-sensor data. 2016, | 2 |
| 603 | RD-SVM: A resilient distributed support vector machine. 2016 , | 7 |
| 602 | Improved v -Support vector regression model based on variable selection and brain storm optimization for stock price forecasting. 2016 , 49, 164-178 | 54 |
| 601 | An approximation of the Gaussian RBF kernel for efficient classification with SVMs. 2016 , 84, 107-113 | 47 |
| 600 | An incremental electric load forecasting model based on support vector regression. 2016 , 113, 796-808 | 46 |

| 599 | An Investigation Into Machine Learning Regression Techniques for the Leaf Rust Disease Detection Using Hyperspectral Measurement. 2016 , 9, 4344-4351 | 69 |
|-----|---|----|
| 598 | Tuning kernel parameters for SVM based on expected square distance ratio. 2016 , 370-371, 92-102 | 33 |
| 597 | Fault Location in distribution systems with distributed generation using Support Vector Machines and smart meters. 2016 , | 4 |
| 596 | LBP-HF features and machine learning applied for automated monitoring of insulators for overhead power distribution lines. 2016 , | 9 |
| 595 | Accurate Descriptions of Hot Flow Behaviors Across Transus of Ti-6Al-4V Alloy by Intelligence Algorithm GA-SVR. 2016 , 25, 3912-3923 | 9 |
| 594 | EMPress. 2016 , | 65 |
| 593 | Conjugate descent for the SMO algorithm. 2016 , | |
| 592 | Machine Learning Models for Early Dengue Severity Prediction. 2016 , 247-258 | 8 |
| 591 | Short-term traffic flow prediction model using particle swarm optimization B ased combined kernel function-least squares support vector machine combined with chaos theory. 2016 , 8, 168781401666465 | 10 |
| 590 | Operational profiles data analytics for ship design improvement. 2016 , 635-645 | 1 |
| 589 | Online voltage stability monitoring of distribution system using optimized Support Vector Machine. 2016 , | 1 |
| 588 | Kernel Self-Adaptive Learning-Based Satellite Telemetry Data Classification. 2016, | O |
| 587 | A critical comparison between SVM and k-SVM in the classification of Kriya Yoga meditation state-allied EEG. 2016 , | 6 |
| 586 | Mid-Infrared Spectroscopy for Monitoring of Anaerobic Digestion Processes Prospects and Challenges. 2016 , 39, 627-636 | 10 |
| 585 | Research on the prediction model of micro-milling surface roughness of Inconel718 based on SVM. 2016 , 68, 206-211 | 16 |
| 584 | Computational performance optimization of support vector machine based on support vectors. 2016 , 211, 66-71 | 3 |
| 583 | Machine Learning for Microbial Phenotype Prediction. 2016 , | 1 |
| 582 | Rare-event probability estimation with adaptive support vector regression surrogates. 2016 , 150, 210-221 | 92 |

(2016-2016)

| 581 | Automatically Evolving Rotation-Invariant Texture Image Descriptors by Genetic Programming. 2016 , 1-1 | 21 |
|-----|---|-----|
| 580 | Classifying murine glomerulonephritis using optical coherence tomography and optical coherence elastography. 2016 , 9, 781-91 | 13 |
| 579 | Prediction performance of natural gas dehydration units for water removal efficiency using a least-square support vector machine. 2016 , 37, 486-494 | 18 |
| 578 | Accurate prediction of properties of carbon dioxide for carbon capture and sequestration operations. 2016 , 34, 97-103 | 9 |
| 577 | Machine learning algorithms for damage detection: Kernel-based approaches. 2016 , 363, 584-599 | 95 |
| 576 | Forest encroachment mapping in Baratang Island, India, using maximum likelihood and support vector machine classifiers. 2016 , 10, 016016 | 5 |
| 575 | PI adaptive LS-SVR control scheme with disturbance rejection for a class of uncertain nonlinear systems. 2016 , 52, 135-144 | 8 |
| 574 | A wavelet-coupled support vector machine model for forecasting global incident solar radiation using limited meteorological dataset. 2016 , 168, 568-593 | 221 |
| 573 | Evolving support vector machines using fruit fly optimization for medical data classification. 2016 , 96, 61-75 | 382 |
| 572 | Distance and mutual information methods for EMG feature and channel subset selection for classification of hand movements. 2016 , 27, 24-31 | 56 |
| 571 | Fed-batch fermentation penicillin process fault diagnosis and detection based on support vector machine. 2016 , 190, 117-123 | 25 |
| 570 | Robust Detection of DNA Hypermethylation of ZNF154 as a Pan-Cancer Locus with in Silico Modeling for Blood-Based Diagnostic Development. 2016 , 18, 283-98 | 25 |
| 569 | Learning Predictive Movement Models From Fabric-Mounted Wearable Sensors. 2016 , 24, 1395-1404 | 5 |
| 568 | A robust localized soft sensor for particulate matter modeling in Seoul metro systems. 2016 , 305, 209-218 | 17 |
| 567 | Tikhonov, Ivanov and Morozov regularization for support vector machine learning. 2016, 103, 103-136 | 33 |
| 566 | A decision fusion method using an algorithm for fusion of correlated probabilities. 2016 , 37, 14-25 | 8 |
| 565 | Prediction of stock price movement based on daily high prices. 2016 , 16, 793-826 | 25 |
| 564 | A fault diagnosis scheme for rolling bearing based on local mean decomposition and improved multiscale fuzzy entropy. 2016 , 360, 277-299 | 148 |

| 563 | Hierarchical distance learning by stacking nearest neighbor classifiers. 2016 , 29, 14-31 | 7 |
|-----|---|-----|
| 562 | Triaging Diagnostically Relevant Regions from Pathology Whole Slides of Breast Cancer: A Texture Based Approach. 2016 , 35, 307-15 | 34 |
| 561 | Development of robust model to estimate gasāil interfacial tension using least square support vector machine: Experimental and modeling study. 2016 , 107, 122-128 | 43 |
| 560 | A hybrid grid-GA-based LSSVR learning paradigm for crude oil price forecasting. 2016 , 27, 2193-2215 | 31 |
| 559 | Principal differential analysis for detection of bilabial closure gestures from articulatory data. 2016 , 36, 294-306 | 1 |
| 558 | A novel parametric-insensitive nonparallel support vector machine for regression. 2016 , 171, 649-663 | 13 |
| 557 | Machine Learning Methods for Attack Detection in the Smart Grid. 2016 , 27, 1773-86 | 286 |
| 556 | LS-SVM Regression for Structural Damage Diagnosis Using the Iterated Improved Reduction System. 2016 , 16, 1550018 | 14 |
| 555 | A least-squares support vector machine approach to predict temperature drop accompanying a given pressure drop for the natural gas production and processing systems. 2017 , 38, 122-129 | 23 |
| 554 | Forecasting effective drought index using a wavelet extreme learning machine (W-ELM) model. 2017 , 31, 1211-1240 | 138 |
| 553 | Structural damage diagnosis using incomplete static responses and LS-SVM. 2017 , 25, 418-433 | 6 |
| 552 | An adaptive surrogate model based on support vector regression and its application to the optimization of railway wind barriers. 2017 , 55, 701-713 | 33 |
| 551 | Future changes in rainfall, temperature and reference evapotranspiration in the central India by least square support vector machine. 2017 , 8, 583-596 | 18 |
| 550 | Descriptive and predictive models for Henry law constant of CO 2 in ionic liquids: A QSPR study. 2017 , 120, 15-25 | 23 |
| 549 | ShakeIn: Secure User Authentication of Smartphones with Single-Handed Shakes. 2017 , 16, 2901-2912 | 27 |
| 548 | Forecasting Evaporative Loss by Least-Square Support-Vector Regression and Evaluation with Genetic Programming, Gaussian Process, and Minimax Probability Machine Regression: Case Study of Brisbane City. 2017 , 22, 05017003 | 38 |
| 547 | Robust Lp-norm least squares support vector regression with feature selection. 2017 , 305, 32-52 | 23 |
| 546 | Estimation of porosity from seismic attributes using a committee model with bat-inspired optimization algorithm. 2017 , 152, 238-249 | 32 |

| 545 | Assessment of Sentinel-1A data for rice crop classification using random forests and support vector machines. 2017 , 1-15 | | 39 | |
|-----|---|-----|-----|--|
| 544 | Learning Rates for Classification with Gaussian Kernels. <i>Neural Computation</i> , 2017 , 29, 3353-3380 | 2.9 | 7 | |
| 543 | An effective fault diagnosis approach based on optimal weighted least squares support vector machine. 2017 , 95, 2357-2366 | | 12 | |
| 542 | Condition monitoring of 11 kV overhead power distribution line insulators using combined wavelet and LBP-HF features. 2017 , 11, 1144-1153 | | 11 | |
| 541 | Prediction of the eutectic mixture formation of monovalent cation ternary salt mixture based on theoretical modeling and differential scanning calorimeter method. 2017 , 654, 28-34 | | 5 | |
| 540 | Mixed kernel function support vector regression for global sensitivity analysis. 2017 , 96, 201-214 | | 66 | |
| 539 | Fast aircraft detection using cascaded discriminative model in photoelectric sensing system. 2017 , 24, 383-397 | | | |
| 538 | An intelligent prognostic system for analyzing patients with paraquat poisoning using arterial blood gas indexes. 2017 , 84, 78-85 | | 16 | |
| 537 | miRHunter: A tool for predicting microRNA precursors based on combined computational method. 2017 , 11, 164-171 | | 4 | |
| 536 | A novel weighted support vector machines multiclass classifier based on differential evolution for intrusion detection systems. 2017 , 414, 225-246 | | 56 | |
| 535 | Robust classification approach for segmentation of blood defects in cod fillets based on deep convolutional neural networks and support vector machines and calculation of gripper vectors for robotic processing. 2017 , 139, 138-152 | | 8 | |
| 534 | A support vector machine method for bid/no bid decision making. 2017 , 23, 641-649 | | 16 | |
| 533 | Fault diagnosis for rotating machinery based on Local Mean Decomposition morphology filtering and Least Square Support Vector Machine. 2017 , 32, 2061-2070 | | 18 | |
| 532 | An accurate model to predict viscosity of heavy oils. 2017 , 35, 371-376 | | | |
| 531 | . 2017 , 21, 825-844 | | 42 | |
| 530 | An up-to-date comparison of state-of-the-art classification algorithms. 2017 , 82, 128-150 | | 194 | |
| 529 | Predicting Pulmonary Function from Phone Sensors. 2017 , 23, 913-919 | | 11 | |
| 528 | Intraday volume percentages forecasting using a dynamic SVM-based approach. 2017 , 30, 421-433 | | 5 | |

| 527 | . 2017 , 5, 8-32 | 722 |
|-----|--|-----|
| 526 | Data Analysis and Classification. 2017 , 647-835 | 1 |
| 525 | Behavior Based Human Authentication on Touch Screen Devices Using Gestures and Signatures. 2017 , 16, 2726-2741 | 35 |
| 524 | Vessels fuel consumption forecast and trim optimisation: A data analytics perspective. 2017 , 130, 351-370 | 74 |
| 523 | Equilibrium ratio of hydrocarbons and non-hydrocarbons at reservoir conditions: Experimental and modeling study. 2017 , 210, 315-328 | 1 |
| 522 | Prediction of dissolved oxygen concentration in hypoxic river systems using support vector machine: a case study of Wen-Rui Tang River, China. 2017 , 24, 16062-16076 | 52 |
| 521 | A framework for crack detection of fresh poultry eggs at visible radiation. 2017 , 141, 81-95 | 9 |
| 520 | Data driven credit risk management process: a machine learning approach. 2017, | 1 |
| 519 | A Study of SVM Kernel Functions for Sensitivity Classification Ensembles with POS Sequences. 2017 , | 5 |
| 518 | Regression Estimation Combined with Conformal Mapping and Boundary Extracting and It's Application. 2017 , | |
| 517 | Sprinkled semantic diffusion kernel for word sense disambiguation. 2017 , 64, 43-51 | 6 |
| 516 | Random matrices meet machine learning: A large dimensional analysis of LS-SVM. 2017 , | 1 |
| 515 | Assessing the cyber-trustworthiness of human-as-a-sensor reports from mobile devices. 2017, | 5 |
| 514 | A prediction method for the precision of extrusion grinding of a needle valve body. 2017 , 11, 295-305 | 5 |
| 513 | Predicting protein-binding regions in RNA using nucleotide profiles and compositions. 2017, 11, 16 | 11 |
| 512 | Predicting Safety Risks in Deep Foundation Pits in Subway Infrastructure Projects: Support Vector Machine Approach. 2017 , 31, 04017052 | 53 |
| 511 | A Novel Behavioural Biometric Technique for Robust User Authentication. 2017 , 34, 478-490 | 5 |
| 510 | Knowledge-Driven Board-Level Functional Fault Diagnosis. 2017 , | 2 |

509 Diagnosis Using Multiple Classifiers and Majority-Weighted Voting (WMV). **2017**, 43-59

| 508 | Dynamic training protocol improves the robustness of PR-based myoelectric control. 2017 , 31, 249-256 | 17 |
|-----|---|----|
| 507 | Preventing transmission distance relays maloperation under unintended bulk DG tripping using SVM-based approach. 2017 , 142, 258-267 | 11 |
| 506 | LSSVR ensemble learning with uncertain parameters for crude oil price forecasting. 2017 , 56, 692-701 | 45 |
| 505 | The use of artificial intelligence combiners for modeling steel pitting risk and corrosion rate. 2017 , 65, 471-483 | 49 |
| 504 | A BA-based algorithm for parameter optimization of Support Vector Machine. 2017 , 93, 13-22 | 93 |
| 503 | Extraction of EEG signals during L/R hand motor imagery based on ERD/S. 2017, | |
| 502 | A New Hybrid Intelligent Framework for Predicting Parkinson Disease. 2017 , 5, 17188-17200 | 42 |
| 501 | A frequency domain two-stage spectrum sensing method based on SVM. 2017, | 1 |
| 500 | Machine-Learning-Guided Typestate Analysis for Static Use-After-Free Detection. 2017, | 12 |
| 499 | Classification of Patients with Disorder of Consciousness Based on DTI Sequence Analysis. 2017, | |
| 498 | Subset selection for tuning of hyper-parameters in artificial neural networks. 2017, | |
| 497 | A CBPSOGSA-SVM hybrid system for classification. 2017, | 0 |
| 496 | Online learning for human classification in 3D LiDAR-based tracking. 2017 , | 43 |
| 495 | Hyper-parameter search in support vector machines using PSO with cellular fitness approximation. 2017 , | |
| 494 | Statistical Machine Learning and Data Analytic Methods for Risk and Insurance. 2017 , | 3 |
| 493 | Failure prediction using machine learning and time series in optical network. 2017 , 25, 18553-18565 | 77 |
| 492 | Activity Recognition Invariant to Sensor Orientation with Wearable Motion Sensors. 2017, 17, | 41 |

491 References. **2017**, 327-342

| 490 | A Smartphone Indoor Localization Algorithm Based on WLAN Location Fingerprinting with Feature Extraction and Clustering. 2017 , 17, | 38 |
|-----|---|----|
| 489 | Fault Diagnosis Model of Photovoltaic Array Based on Least Squares Support Vector Machine in Bayesian Framework. 2017 , 7, 1199 | 13 |
| 488 | Research and Application of an Air Quality Early Warning System Based on a Modified Least Squares Support Vector Machine and a Cloud Model. 2017 , 14, | 22 |
| 487 | Prediction of Individual Social-Demographic Role Based on Travel Behavior Variability Using Long-Term GPS Data. 2017 , 2017, 1-13 | 18 |
| 486 | Activity recognition with wearable sensors on loose clothing. 2017 , 12, e0184642 | 11 |
| 485 | Bayesian Instinct. 2017 , | 4 |
| 484 | Data Driven Value-at-Risk Forecasting Using a SVR-GARCH-KDE Hybrid. 2017 , | O |
| 483 | A New Prediction Model for Transformer Winding Hotspot Temperature Fluctuation Based on Fuzzy Information Granulation and an Optimized Wavelet Neural Network. 2017 , 10, 1998 | 4 |
| 482 | A Novel Unsupervised Adaptive Learning Method for Long-Term Electromyography (EMG) Pattern Recognition. 2017 , 17, | 26 |
| 481 | System Assessment. 2017 , 201-245 | |
| 480 | A RVM-based RSS model for device-free localization. 2017 , | O |
| 479 | A Weighted Ensemble Learning by SVM for Longitudinal Data: Turkish Bank Bankruptcy. 2018 , 89-103 | 2 |
| 478 | Reliable writer identification in medieval manuscripts through page layout features: The Avila Bible case. 2018 , 72, 99-110 | 25 |
| 477 | Revisiting transductive support vector machines with margin distribution embedding. 2018 , 152, 200-214 | 14 |
| 476 | Robust Transductive Support Vector Machine for Multi-View Classification. 2018 , 27, 1850185 | 7 |
| 475 | An output mapping variable fidelity metamodeling approach based on nested Latin hypercube design for complex engineering design optimization. 2018 , 48, 3591-3611 | 3 |
| 474 | . 2018 , 56, 1425-1443 | 25 |

| 473 | Limited Data Modelling Approaches for Engineering Applications. 2018 , 345-379 | 3 |
|-----------------|---|-----|
| 472 | Volatility forecasting of crude oil market: A new hybrid method. 2018 , 37, 781-789 | 31 |
| 471 | Developing a robust proxy model of CO2 injection: Coupling Box B ehnken design and a connectionist method. 2018 , 215, 904-914 | 29 |
| 47º | Data complexity meta-features for regression problems. 2018 , 107, 209-246 | 21 |
| 469 | Condition-Based Maintenance of Naval Propulsion Systems with supervised Data Analysis. 2018 , 149, 268-278 | 35 |
| 468 | Optimizing combustion of coal fired boilers for reducing NOx emission using Gaussian Process. 2018 , 153, 149-158 | 46 |
| 467 | Applying machine learning to estimate the optical properties of black carbon fractal aggregates. 2018 , 215, 1-8 | 12 |
| 466 | Condition-based maintenance of naval propulsion systems: Data analysis with minimal feedback. 2018 , 177, 12-23 | 34 |
| 465 | Hybrid connectionist model determines CO-oil swelling factor. 2018 , 15, 591-604 | 9 |
| 464 | Assessment and evaluation of potential climate change impact on monsoon flows using machine learning technique over Wainganga River basin, India. 2018 , 63, 1020-1046 | 16 |
| 463 | Soft sensor based on stacked auto-encoder deep neural network for air preheater rotor deformation prediction. 2018 , 36, 112-119 | 47 |
| 462 | Representation and Matching of Team Managers: An Experimental Research. 2018 , 5, 311-323 | 2 |
| 461 | Review on landslide susceptibility mapping using support vector machines. 2018 , 165, 520-529 | 197 |
| 460 | Prediction of spontaneous combustion in the coal stockpile based on an improved metabolic grey model. 2018 , 116, 564-577 | 11 |
| 459 | A kernel-based mixed effect regression model for earthquake ground motions. 2018, 120, 26-35 | О |
| 45 ⁸ | Emotionally-Relevant Features for Classification and Regression of Music Lyrics. 2018 , 9, 240-254 | 24 |
| 457 | Data-Driven Photovoltaic Power Production Nowcasting and Forecasting for Polygeneration Microgrids. 2018 , 12, 2842-2853 | 21 |
| 456 | A multi-objective genetic algorithm for simultaneous model and feature selection for support vector machines. 2018 , 50, 261-281 | 21 |

| 455 | Inferring passenger types from commuter eigentravel matrices. 2018 , 6, 230-250 | 5 |
|---------------------------------|---|--------|
| 454 | A parsimonious SVM model selection criterion for classification of real-world data sets via an adaptive population-based algorithm. 2018 , 30, 3421-3429 | 4 |
| 453 | Field spectroradiometer and simulated multispectral bands for discriminating invasive species from morphologically similar cohabitant plants. 2018 , 55, 417-436 | 23 |
| 452 | Prediction of overland flow resistance and its components based on flow characteristics using support vector machine. 2018 , 18, 1234-1251 | |
| 451 | Improving the Accuracy of SVM Algorithm in Classification Problems with PCA Method. 2018, 66-73 | |
| 450 | Adaptive sparse polynomial chaos expansions for global sensitivity analysis based on support vector regression. 2018 , 194, 86-96 | 72 |
| 449 | Kernelized support vector machine with deep learning: An efficient approach for extreme multiclass dataset. 2018 , 115, 4-13 | 43 |
| 448 | Short-term electricity demand forecasting with MARS, SVR and ARIMA models using aggregated demand data in Queensland, Australia. 2018 , 35, 1-16 | 131 |
| 447 | Bio-Inspired Optimization Algorithms. 2018 , 317-391 | 1 |
| | | |
| 446 | Bio-Inspired Bi-Directional Optimization Algorithms. 2018 , 393-469 | 1 |
| 446 | Bio-Inspired Bi-Directional Optimization Algorithms. 2018 , 393-469 An Exploratory Study on the Use of Machine Learning to Predict Student Academic Performance. 2018 , 8, 67-79 | 2 |
| | An Exploratory Study on the Use of Machine Learning to Predict Student Academic Performance. | |
| 445 | An Exploratory Study on the Use of Machine Learning to Predict Student Academic Performance. 2018 , 8, 67-79 | |
| 445 444 | An Exploratory Study on the Use of Machine Learning to Predict Student Academic Performance. 2018, 8, 67-79 An Analysis of Methods for Tuning a Support-Vector Machine for Binary Classification. 2018, 63, 994-1003 Integrating GEOBIA, Machine Learning, and Volunteered Geographic Information to Map | 2 |
| 445 444 443 | An Exploratory Study on the Use of Machine Learning to Predict Student Academic Performance. 2018, 8, 67-79 An Analysis of Methods for Tuning a Support-Vector Machine for Binary Classification. 2018, 63, 994-1003 Integrating GEOBIA, Machine Learning, and Volunteered Geographic Information to Map Vegetation over Rooftops. 2018, 7, 462 A Method of Biomedical Information Classification Based on Particle Swarm Optimization with | 7 |
| 445 444 443 442 | An Exploratory Study on the Use of Machine Learning to Predict Student Academic Performance. 2018, 8, 67-79 An Analysis of Methods for Tuning a Support-Vector Machine for Binary Classification. 2018, 63, 994-1003 Integrating GEOBIA, Machine Learning, and Volunteered Geographic Information to Map Vegetation over Rooftops. 2018, 7, 462 A Method of Biomedical Information Classification Based on Particle Swarm Optimization with Inertia Weight and Mutation. 2018, 13, 355-373 Multisensor Online Transfer Learning for 3D LiDAR-Based Human Detection with a Mobile Robot. | 7 |
| 445 444 443 442 441 | An Exploratory Study on the Use of Machine Learning to Predict Student Academic Performance. 2018, 8, 67-79 An Analysis of Methods for Tuning a Support-Vector Machine for Binary Classification. 2018, 63, 994-1003 Integrating GEOBIA, Machine Learning, and Volunteered Geographic Information to Map Vegetation over Rooftops. 2018, 7, 462 A Method of Biomedical Information Classification Based on Particle Swarm Optimization with Inertia Weight and Mutation. 2018, 13, 355-373 Multisensor Online Transfer Learning for 3D LiDAR-Based Human Detection with a Mobile Robot. 2018, | 7 4 13 |

| 437 | Snapshot Multispectral and Hyperspectral Data Processing for Estimating Food Quality Parameters. 2018 , | 2 |
|---------------------------------|---|------------------|
| 436 | Survey of Kernel Extreme Learning Machine Kernel Function Based on the Perspective of Kernel Parameter Optimization Time. 2018 , | |
| 435 | Hot-Moments of Soil CO2 Efflux in a Water-Limited Grassland. 2018, 2, 47 | 27 |
| 434 | We Usually DonELike Going to the Dentist: Using Common Sense to Detect Irony on Twitter. 2018 , 44, 793-832 | 4 |
| 433 | Prediction of Physiological Response over Varying Forecast Lengths with a Wearable Health Monitoring Platform. 2018 , 2018, 437-440 | |
| 432 | Study on the Application of Machine Learning in Government Service: Take Consumer Protection Service as an Example. 2018 , | 1 |
| 431 | Automatic Hyper-parameters Tuning for Local Support Vector Machines. 2018, 185-199 | 1 |
| 430 | Differential Diagnosis of Dengue and Chikungunya in Colombian Children Using Machine Learning. 2018 , 181-192 | 2 |
| 429 | Radial Basis Function Kernel Parameter Optimization Algorithm in Support Vector Machine Based on Segmented Dichotomy. 2018 , | 5 |
| | | |
| 428 | Tempo Octave Correction Using Multiclass Support Vector Machine. 2018 , | |
| 428 427 | Tempo Octave Correction Using Multiclass Support Vector Machine. 2018, Critical Flight Trajectory Identification via Machine Learning for Large-scale Trajectory Management. 2018, | O |
| · | Critical Flight Trajectory Identification via Machine Learning for Large-scale Trajectory | 7 |
| 427 | Critical Flight Trajectory Identification via Machine Learning for Large-scale Trajectory Management. 2018 , Improving the calling of non-invasive prenatal testing on 13-/18-/21-trisomy by support vector | o 7 5 |
| 427 426 | Critical Flight Trajectory Identification via Machine Learning for Large-scale Trajectory Management. 2018, Improving the calling of non-invasive prenatal testing on 13-/18-/21-trisomy by support vector machine discrimination. 2018, 13, e0207840 | 7 |
| 427 426 425 | Critical Flight Trajectory Identification via Machine Learning for Large-scale Trajectory Management. 2018, Improving the calling of non-invasive prenatal testing on 13-/18-/21-trisomy by support vector machine discrimination. 2018, 13, e0207840 Combining deep reinforcement learning with prior knowledge and reasoning. 2018, 18, 33-45 | 7 5 |
| 427 426 425 424 | Critical Flight Trajectory Identification via Machine Learning for Large-scale Trajectory Management. 2018, Improving the calling of non-invasive prenatal testing on 13-/18-/21-trisomy by support vector machine discrimination. 2018, 13, e0207840 Combining deep reinforcement learning with prior knowledge and reasoning. 2018, 18, 33-45 Embroidered Electrodes for Control of Affordable Myoelectric Prostheses. 2018, Enriching the random subspace method with margin theory & solution for the high-dimensional | 7 5 5 |
| 427 426 425 424 423 | Critical Flight Trajectory Identification via Machine Learning for Large-scale Trajectory Management. 2018, Improving the calling of non-invasive prenatal testing on 13-/18-/21-trisomy by support vector machine discrimination. 2018, 13, e0207840 Combining deep reinforcement learning with prior knowledge and reasoning. 2018, 18, 33-45 Embroidered Electrodes for Control of Affordable Myoelectric Prostheses. 2018, Enriching the random subspace method with margin theory & solution for the high-dimensional classification task. 2018, 30, 409-424 Reliable gene mutation prediction in clear cell renal cell carcinoma through multi-classifier | 7 5 5 |
| 427 426 425 424 423 | Critical Flight Trajectory Identification via Machine Learning for Large-scale Trajectory Management. 2018, Improving the calling of non-invasive prenatal testing on 13-/18-/21-trisomy by support vector machine discrimination. 2018, 13, e0207840 Combining deep reinforcement learning with prior knowledge and reasoning. 2018, 18, 33-45 Embroidered Electrodes for Control of Affordable Myoelectric Prostheses. 2018, Enriching the random subspace method with margin theory & solution for the high-dimensional classification task. 2018, 30, 409-424 Reliable gene mutation prediction in clear cell renal cell carcinoma through multi-classifier multi-objective radiogenomics model. 2018, 63, 215008 Automatic detection of oral and pharyngeal phases in swallowing using classification algorithms | 7 5 5 1 |

| 419 | Automatic Groove Measurement and Evaluation with High Resolution Laser Profiling Data. 2018 , 18, | 2 |
|-----|--|----|
| 418 | Mangrove Species Discrimination from Very High Resolution Imagery Using Gaussian Markov Random Field Model. 2018 , 38, 861-874 | 9 |
| 417 | A CSPAM-BA-SVM Approach for Motor Imagery BCI System. 2018 , 6, 49192-49208 | 55 |
| 416 | Augmenting User Identification with WiFi Based Gesture Recognition. 2018 , 2, 1-27 | 30 |
| 415 | Nonlinear optimization and support vector machines. 2018 , 16, 111-149 | 10 |
| 414 | Machine Learning Regression Techniques for the Silage Maize Yield Prediction Using Time-Series Images of Landsat 8 OLI. 2018 , 11, 4563-4577 | 54 |
| 413 | Input selection and data-driven model performance optimization to predict the Standardized Precipitation and Evaporation Index in a drought-prone region. 2018 , 212, 130-149 | 50 |
| 412 | Computational and experimental approaches for investigating membranes diffusion behavior in model diesel fuel. 2018 , 56, 2724-2740 | |
| 411 | Hosting capacity of low-voltage grids for distributed generation: Classification by means of machine learning techniques. 2018 , 70, 195-207 | 10 |
| 410 | Joint entropy based learning model for image retrieval. 2018 , 55, 415-423 | 12 |
| 409 | Classification of Alzheimer's and MCI Patients from Semantically Parcelled PET Images: A Comparison between AV45 and FDG-PET. 2018 , 2018, 1247430 | 21 |
| 408 | Genetic Programming for Feature Selection and Feature Construction in Skin Cancer Image Classification. 2018 , 732-745 | 13 |
| 407 | A Feature-Weighted SVR Method Based on Kernel Space Feature. 2018 , 11, 62 | 1 |
| 406 | Development of Easily Accessible Electricity Consumption Model Using Open Data and GA-SVR. 2018 , 11, 373 | 8 |
| 405 | Determination of thermal conductivity ratio of CuO/ethylene glycol nanofluid by connectionist approach. 2018 , 91, 383-395 | 37 |
| 404 | Machine Learning B ased Backbone Curve Model of Reinforced Concrete Columns Subjected to Cyclic Loading Reversals. 2018 , 32, 04018042 | 37 |
| 403 | Chaotic antlion algorithm for parameter optimization of support vector machine. 2018, 48, 670-686 | 65 |
| 402 | Production of Low Cost Carbon-Fiber through Energy Optimization of Stabilization Process. 2018 , 11, | 18 |

| 401 | Application of Least-Squares Support Vector Machines for Quantitative Evaluation of Known Contaminant in Water Distribution System Using Online Water Quality Parameters. 2018 , 18, | 9 |
|-----|---|------|
| 400 | Forecasting riverine total nitrogen loads using wavelet analysis and support vector regression combination model in an agricultural watershed. 2018 , 25, 26405-26422 | 7 |
| 399 | Offline Signature Verification Using Radial Basis Function with Selected Feature Sets. 2018 , 573-581 | |
| 398 | Machine Learning Algorithms for Damage Detection. 2018 , 1-39 | 9 |
| 397 | Comparing SVM and ANN based Machine Learning Methods for Species Identification of Food Contaminating Beetles. 2018 , 8, 6532 | 41 |
| 396 | A WFS-SVM Model for Soil Salinity Mapping in Keriya Oasis, Northwestern China Using Polarimetric Decomposition and Fully PolSAR Data. 2018 , 10, 598 | 16 |
| 395 | . 2018 , 6, 45051-45061 | 6 |
| 394 | Activity Recognition Invariant to Wearable Sensor Unit Orientation Using Differential Rotational Transformations Represented by Quaternions. 2018 , 18, | 15 |
| 393 | An Algorithm for Concrete Crack Extraction and Identification Based on Machine Vision. 2018 , 6, 28993-2900 | 2 12 |
| 392 | Corporate Misconduct Prediction with Support Vector Machine in the Construction Industry. 2018 , 34, 04018021 | 2 |
| 391 | Chaotic dragonfly algorithm: an improved metaheuristic algorithm for feature selection. 2019 , 49, 188-205 | 104 |
| 390 | On Securing Underwater Acoustic Networks: A Survey. 2019 , 21, 729-752 | 40 |
| 389 | Coal consumption prediction based on least squares support vector machine. 2019 , 227, 032007 | 1 |
| 388 | Detection of major depressive disorder from linear and nonlinear heart rate variability features during mental task protocol. 2019 , 112, 103381 | 19 |
| 387 | The Imbalance-Induced Resistive Heating Profiles Analysis for Low Voltage Transformers. 2019, | 1 |
| 386 | Kawaii Engineering. 2019 , | 11 |
| 385 | Ground-Based Cloud Images Recognition Based on GAN and PCANet. 2019 , 379-390 | Ο |
| 384 | Vessel Trajectory Prediction Model Based on AIS Sensor Data and Adaptive Chaos Differential Evolution Support Vector Regression (ACDE-SVR). 2019 , 9, 2983 | 17 |

383 Indoor Positioning Based on Kernel Function and Analysis of Measurement Uncertainty. **2019**, 490, 062070

| 382 | Selective Adversarial Learning for Mobile Malware. 2019 , | 2 |
|-----|--|----|
| 381 | Remote estimation of rice LAI based on Fourier spectrum texture from UAV image. 2019 , 15, 124 | 30 |
| 380 | Learning to see through haze: Radar-based Human Detection for Adverse Weather Conditions. 2019 , | 3 |
| 379 | Towards Predicting a Realisation of an Information Need based on Brain Signals. 2019, | 7 |
| 378 | Detecting Fake Finger-Vein Data Using Remote Photoplethysmography. 2019 , 8, 1016 | 8 |
| 377 | Improved Capacitive Proximity Detection for Conductive Objects through Target Profile Estimation. 2019 , 2019, 1-11 | 0 |
| 376 | SVM-based hybrid approach for corridor-level travel-time estimation. 2019 , 13, 1429-1439 | 11 |
| 375 | Discrimination of Brands of Strong Aroma Type Liquors Using Synchronous Fluorescence Spectroscopy and Chemometrics Methods. 2019 , 85, 1101-1106 | 1 |
| 374 | A Set of New Hermite Kernel Functions in Kernel Extreme Learning Machine and Application in Human Action Recognition. 2019 , 33, 1955014 | 2 |
| 373 | An intelligent strategy for faults location in distribution networks with distributed generation. 2019 , 36, 1627-1637 | 18 |
| 372 | Fusion of Multiscale Convolutional Neural Networks for Building Extraction in Very High-Resolution Images. 2019 , 11, 227 | 41 |
| 371 | Quantum-Behaved Particle Swarm Optimization for Parameter Optimization of Support Vector Machine. 2019 , 36, 576-598 | 29 |
| 370 | Parameter investigation of support vector machine classifier with kernel functions. 2019 , 61, 1269-1302 | 48 |
| 369 | The uncertain optimization algorithm to suppress vibration of the crankshaft system with random-interval hybrid variables. 2019 , 11, 168781401983389 | 2 |
| 368 | A Nonlinear Approach to Assess the Risk ${f R}$ eward Ratio Using the Machine Learning Technique. 2019 , 203-238 | |
| 367 | Prediction of 13C NMR Chemical Shifts of Quinolone Derivatives Based on DFT Calculations. 2019 , 60, 772-779 | 2 |
| 366 | The Future of Risk Management, Volume II. 2019 , | |

| 365 | Use of IR Spectroscopy in Cancer Diagnosis. A Review. 2019 , 86, 187-205 | 16 |
|-----|--|----|
| 364 | Artificial intelligence and the analysis of multi-platform metabolomics data for the detection of intrauterine growth restriction. 2019 , 14, e0214121 | 26 |
| 363 | MEEGIPS-A Modular EEG Investigation and Processing System for Visual and Automated Detection of High Frequency Oscillations. 2019 , 13, 20 | 6 |
| 362 | Hybrid generative discriminative approaches based on Multinomial Scaled Dirichlet mixture models. 2019 , 49, 3783-3800 | 7 |
| 361 | A novelty detection approach to diagnosing hull and propeller fouling. 2019 , 176, 65-73 | 17 |
| 360 | Classification of congestive heart failure with different New York Heart Association functional classes based on heart rate variability indices and machine learning. 2019 , 36, e12396 | 9 |
| 359 | Prediction of the increase in health services demand based on the analysis of reasons of calls received by a customer relationship management. 2019 , 34, e1215-e1222 | 2 |
| 358 | A methodological framework for identifying potential sources of soil heavy metal pollution based on machine learning: A case study in the Yangtze Delta, China. 2019 , 250, 601-609 | 54 |
| 357 | Fractal and multifractal analysis of atherosclerotic plaque in ultrasound images of the carotid artery. 2019 , 123, 91-100 | 6 |
| 356 | Roadway traffic crash prediction using a state-space model based support vector regression approach. 2019 , 14, e0214866 | 5 |
| 355 | Local Rademacher Complexity Machine. 2019 , 342, 24-32 | 2 |
| 354 | Weighted-learning-instance-based retrieval model using instance distance. 2019 , 30, 163-176 | 2 |
| 353 | Discrete Overlapping Community Detection with Pseudo Supervision. 2019, | 8 |
| 352 | . 2019, | |
| 351 | Comparison of machine learning methods for multiphase flowrate prediction. 2019, | 1 |
| 350 | A Machine Learning Approach for SNR Prediction in 5G Systems. 2019 , | 4 |
| 349 | Combined Forecasting Model of Network Security Situation Based on Information Fusion. 2019, | Ο |
| 348 | From Virtuality To Reality: A Learning-based Point Cloud Labeling Method With Synthesis Scene. 2019 , | |

| 347 | Shelf Product Detection Based on Deep Neural Network. 2019, | 1 |
|-----|--|-----|
| 346 | Optimized Forecast Components-SVM-Based Fault Diagnosis With Applications for Wastewater Treatment. 2019 , 7, 128534-128543 | 4 |
| 345 | Efficient phenotypic sex classification of zebrafish using machine learning methods. 2019 , 9, 13332-13343 | 3 |
| 344 | Prediction model of the surface roughness of micro-milling single crystal copper. 2019 , 33, 5369-5374 | 2 |
| 343 | Metric Learning based Framework for Streaming Classification with Concept Evolution. 2019, | 1 |
| 342 | Estimation Procedures of Using Five Alternative Machine Learning Methods for Predicting Credit Card Default. 2019 , 22, 1950021 | 7 |
| 341 | A robust machine learning model for monitoring online voltage stability. 2019 , 1-15 | Ο |
| 340 | Crop classification in a heterogeneous agricultural environment using ensemble classifiers and single-date Sentinel-2A imagery. 2019 , 1-19 | 11 |
| 339 | Robust Malware Defense in Industrial IoT Applications Using Machine Learning With Selective Adversarial Samples. 2019 , 1-1 | 8 |
| 338 | Quantitative assessment of soil salinity using multi-source remote sensing data based on the support vector machine and artificial neural network. 2019 , 40, 284-306 | 29 |
| 337 | Identifying the essential flood conditioning factors for flood prone area mapping using machine learning techniques. 2019 , 175, 174-192 | 84 |
| 336 | Hybrid Grey Wolf Optimization Algorithm B ased Support Vector Machine for Groutability Prediction of Fractured Rock Mass. 2019 , 33, 04018065 | 21 |
| 335 | Functional-bandwidth kernel for Support Vector Machine with Functional Data: An alternating optimization algorithm. 2019 , 275, 195-207 | 12 |
| 334 | Optimization of support vector machine parameters for voltage stability margin assessment in the deregulated power system. 2019 , 23, 10495-10507 | 5 |
| 333 | Establishing a software defect prediction model via effective dimension reduction. 2019 , 477, 399-409 | 25 |
| 332 | Identify origin of replication in Saccharomyces cerevisiae using two-step feature selection technique. 2019 , 35, 2075-2083 | 137 |
| 331 | A Statistical Approach to Estimate Imbalance-Induced Energy Losses for Data-Scarce Low Voltage Networks. 2019 , 34, 2825-2835 | 14 |
| 330 | Use of crowdsourcing in evaluating post-classification accuracy. 2019 , 52, 137-147 | 3 |

(2020-2019)

| 329 | VFPred: A fusion of signal processing and machine learning techniques in detecting ventricular fibrillation from ECG signals. 2019 , 49, 349-359 | 11 |
|-----|--|----|
| 328 | Correlation between 13C NMR chemical shifts and complete sets of descriptors of natural coumarin derivatives. 2019 , 184, 167-174 | 11 |
| 327 | Robust kinematics design of MacPherson suspension based on a double-loop multi-objective particle swarm optimization algorithm. 2019 , 233, 3263-3278 | 4 |
| 326 | Optimizing Support Vector Machine Parameters Using Bat Optimization Algorithm. 2019 , 351-374 | 2 |
| 325 | Financial news-based stock movement prediction using causality analysis of influence in the Korean stock market. 2019 , 117, 100-112 | 39 |
| 324 | Classification of materials for selective laser melting by laser-induced breakdown spectroscopy. 2019 , 73, 2897-2905 | 4 |
| 323 | Diagnosis and location of the open-circuit fault in modular multilevel converters: An improved machine learning method. 2019 , 331, 58-66 | 16 |
| 322 | A dynamic SVRARMA model with improved fruit fly algorithm for the nonlinear fiber stretching process. 2019 , 18, 747-756 | 6 |
| 321 | Can we accurately classify schizophrenia patients from healthy controls using magnetic resonance imaging and machine learning? A multi-method and multi-dataset study. 2019 , 214, 3-10 | 29 |
| 320 | Low-Resource Footprint, Data-Driven Malware Detection on Android. 2020 , 5, 213-222 | 8 |
| 319 | Intelligent sales volume forecasting using Google search engine data. 2020 , 24, 2033-2047 | 5 |
| 318 | A novel multi-strategy DE algorithm for parameter optimization in support vector machine. 2020 , 54, 527-543 | 3 |
| 317 | Mixture Models and Applications. 2020, | 3 |
| 316 | Deriving Probabilistic SVM Kernels from Exponential Family Approximations to Multivariate Distributions for Count Data. 2020 , 125-153 | 2 |
| 315 | Online learning for 3D LiDAR-based human detection: experimental analysis of point cloud clustering and classification methods. 2020 , 44, 147-164 | 24 |
| 314 | Nonlinear Approaches in Engineering Applications. 2020 , | 1 |
| 313 | Big Data Modeling Approaches for Engineering Applications. 2020 , 307-365 | 4 |
| 312 | Automatic Learning Algorithms for Local Support Vector Machines. 2020 , 1, 1 | 2 |

| 311 | A robust cutting pattern recognition method for shearer based on Least Square Support Vector Machine equipped with Chaos Modified Particle Swarm Optimization and Online Correcting Strategy. 2020 , 99, 199-209 | 6 |
|-----|---|-----|
| 310 | Identifying the Impact of Inframe Insertions and Deletions on Protein Function in Cancer. 2020 , 27, 786-795 | О |
| 309 | Data driven value-at-risk forecasting using a SVR-GARCH-KDE hybrid. 2020 , 35, 947-981 | 4 |
| 308 | Data Augmentation for Radio Frequency Fingerprinting via Pseudo-Random Integration. 2020 , 4, 276-286 | 7 |
| 307 | Bayesian set pair analysis and machine learning based ensemble surrogates for optimal multi-aquifer system remediation design. 2020 , 580, 124280 | 13 |
| 306 | Identifying epilepsy psychiatric comorbidities with machine learning. 2020 , 141, 388-396 | 6 |
| 305 | A grid-quadtree model selection method for support vector machines. 2020 , 146, 113172 | 6 |
| 304 | An efficient model for the prediction of SMAP sea surface salinity using machine learning approaches in the Persian Gulf. 2020 , 41, 3221-3242 | 6 |
| 303 | Brain Morphological Dynamics of Procrastination: The Crucial Role of the Self-Control, Emotional, and Episodic Prospection Network. 2020 , 30, 2834-2853 | 14 |
| 302 | A new event detection method for noisy hydrophone data. 2020 , 159, 107056 | 1 |
| 301 | Recognition and Mitigation of Micro-Doppler Clutter in Radar Systems via Support Vector Machine. 2020 , 20, 918-930 | 5 |
| 300 | Chaotic multi-swarm whale optimizer boosted support vector machine for medical diagnosis. 2020 , 88, 105946 | 266 |
| 299 | Support vector machines on the D-Wave quantum annealer. 2020 , 248, 107006 | 31 |
| 298 | Determining the most representative image on a Web page. 2020 , 512, 1234-1248 | 4 |
| 297 | Classification of intra-genomic helitrons based on features extracted from different orders of FCGS. 2020 , 18, 100271 | 2 |
| 296 | Composition Classification of Ultra-High Energy Cosmic Rays. 2020 , 22, | 2 |
| 295 | Exploratory Study on Screening Chronic Renal Failure Based on Fourier Transform Infrared Spectroscopy and a Support Vector Machine Algorithm. 2020 , 2020, 1-7 | 2 |
| 294 | A Novel Recognition Strategy for Epilepsy EEG Signals Based on Conditional Entropy of Ordinal Patterns. 2020 , 22, | 3 |

| 293 | A Framework for an Indoor Safety Management System Based on Digital Twin. 2020, 20, | 25 |
|-----|---|----|
| 292 | Short-Term PM2.5 Concentration Prediction by Combining GNSS and Meteorological Factors. 2020 , 8, 115202-115216 | 4 |
| 291 | Selection of time instants and intervals with Support Vector Regression for multivariate functional data. 2020 , 123, 105050 | 5 |
| 290 | Enhanced Support Vector Machine based on Metaheuristic Search for Multiclass Problems. 2020 , 16, 871-885 | |
| 289 | A new weighted two-dimensional vector quantisation encoding method in bag-of-features for histopathological image classification. 2020 , 13, 150 | 3 |
| 288 | Intelligent forecasting of inbound tourist arrivals by social networking analysis. 2020, 558, 124944 | 4 |
| 287 | Comparison study of classification methods of intramuscular electromyography data for non-human primate model of traumatic spinal cord injury. 2020 , 234, 955-965 | 1 |
| 286 | Modeling n-alkane solubility in supercritical CO2 via intelligent methods. 2020 , 11, 279 | O |
| 285 | Comparisions on KNN, SVM, BP and the CNN for Handwritten Digit Recognition. 2020, | 5 |
| 284 | Assessment of rice leaf blast severity using hyperspectral imaging during late vegetative growth. 2020 , 49, 571-578 | 9 |
| 283 | Prediction of Formation Quality of Inconel 625 Clads Using Support Vector Regression. 2020 , 25, 746-754 | |
| 282 | A Comparative Study of PLSR and SVM-R with Various Preprocessing Techniques for the Quantitative Determination of Soluble Solids Content of Hardy Kiwi Fruit by a Portable Vis/NIR Spectrometer. 2020 , 9, | 6 |
| 281 | Monitoring Statistics and Tuning of Kernel Principal Component Analysis With Radial Basis Function Kernels. 2020 , 8, 198328-198342 | 1 |
| 280 | An Intelligent Prediction Method of the Karst Curtain Grouting Volume Based on Support Vector Machine. 2020 , 2020, 1-14 | 2 |
| 279 | Neural Network Based Pavement Condition Assessment with Hyperspectral Images. 2020 , 12, 3931 | О |
| 278 | Detailed identification of epidermal growth factor receptor mutations in lung adenocarcinoma: Combining radiomics with machine learning. 2020 , 47, 3458-3466 | 6 |
| 277 | Surrogate Modeling with Sequential Updating: Applications to Bridge Deck Wave and Bridge Deck Wind Interactions. 2020 , 34, 04020023 | 7 |
| 276 | Robust unsupervised dimensionality reduction based on feature clustering for single-cell imaging data. 2020 , 93, 106421 | 8 |

| 275 | Surface-enhanced Raman spectroscopy for rapid identification and quantification of Flibanserin in different kinds of wine. 2020 , 12, 3025-3031 | 4 |
|-----|--|-----------------|
| 274 | FLAG-PDFe: Features Oriented Metadata Extraction Framework for Scientific Publications. 2020 , 8, 99458-9 | 9469 |
| 273 | Support Vector Machines and Affective Science. 2020 , 12, 297-308 | 3 |
| 272 | Locating Infinite Discontinuities in Computer Experiments. 2020 , 8, 717-747 | 1 |
| 271 | Statistical Modeling in Biomedical Research. 2020 , | |
| 270 | Quantifying the Benefits of Nonlinear Methods for Global Statistical Hindcasts of Tropical Cyclones Intensity. 2020 , 35, 807-820 | 2 |
| 269 | Optimized multi-output machine learning system for engineering informatics in assessing natural hazards. 2020 , 101, 727-754 | 4 |
| 268 | Coronary Heart Disease Diagnosis Through Self-Organizing Map and Fuzzy Support Vector Machine with Incremental Updates. 2020 , 22, 1376-1388 | 25 |
| 267 | From Polynomial Fitting to Kernel Ridge Regression: A Generalized Difference Filter for Encoder Signal Analysis. 2020 , 69, 6212-6220 | 4 |
| 266 | The Biochemical Profile of Post-Mortem Brain from People Who Suffered from Epilepsy Reveals Novel Insights into the Etiopathogenesis of the Disease. 2020 , 10, | 3 |
| 265 | Generating Knowledge-Guided Discriminative Features Using Genetic Programming for Melanoma Detection. 2020 , 1-16 | 7 |
| 264 | Prediction of Chlorophyll-a Concentrations in the Nakdong River Using Machine Learning Methods. 2020 , 12, 1822 | 20 |
| 263 | Large-scale urban functional zone mapping by integrating remote sensing images and open social data. 2020 , 57, 411-430 | 27 |
| 262 | Mapping and Quantifying the Human-Environment Interactions in Middle Egypt Using Machine Learning and Satellite Data Fusion Techniques. 2020 , 12, 584 | O |
| 261 | Emotion Feature Analysis and Recognition Based on Reconstructed EEG Sources. 2020, 8, 11907-11916 | 12 |
| 260 | Data-driven diagnosis of spinal abnormalities using feature selection and machine learning algorithms. 2020 , 15, e0228422 | 20 |
| 259 | Performance of Support Vector Machine in Imbalanced Data Set. 2020 , | |
| 258 | Financial econometrics, mathematics, statistics, and financial technology: an overall view. 2020 , 54, 1529-15 | 78 ₄ |

| 257 | Implementations and Applications of Machine Learning. 2020, | 1 |
|-----|---|-----|
| 256 | A metaheuristic-optimized multi-output model for predicting multiple properties of pervious concrete. 2020 , 249, 118803 | 31 |
| 255 | An MR image classification scheme based on fourier moment analysis and linear support vector machine. 2021 , 42, 173-191 | Ο |
| 254 | Randomized non-linear PCA networks. 2021 , 545, 241-253 | 8 |
| 253 | Evaluating the bond strength of FRP-to-concrete composite joints using metaheuristic-optimized least-squares support vector regression. 2021 , 33, 3621-3635 | 9 |
| 252 | Parameter selection of Gaussian kernel SVM based on local density of training set. 2021 , 29, 536-548 | 1 |
| 251 | Automatic feature scaling and selection for support vector machine classification with functional data. 2021 , 51, 161-184 | 2 |
| 250 | Optimal group selection algorithm in air quality index forecasting via cooperative information criterion. 2021 , 283, 125248 | 2 |
| 249 | Application of near-infrared spectroscopy and chemometrics for the rapid quality assessment of Sargassum fusiforme. 2021 , 173, 111431 | 6 |
| 248 | A Deep Learning-Based Approach for Automatic Leather Classification in Industry 4.0. 2021 , 662-674 | 1 |
| 247 | Multiclass SVM coupled with optimization techniques for segmentation and classification of medical images. 2021 , 143-165 | 0 |
| 246 | Daily pan-evaporation estimation in different agro-climatic zones using novel hybrid support vector regression optimized by Salp swarm algorithm in conjunction with gamma test. 2021 , 15, 1075-1094 | 14 |
| 245 | Classification of First-Episode Schizophrenia, Chronic Schizophrenia and Healthy Control Based on Brain Network of Mismatch Negativity by Graph Neural Network. 2021 , 29, 1784-1794 | 2 |
| 244 | Classifying imbalanced data using SMOTE based class-specific kernelized ELM. 2021 , 12, 1255-1280 | 3 |
| 243 | A Hybrid Feature Selection Optimization Model for High Dimension Data Classification. 2021 , 9, 42884-42895 | 6 |
| 242 | Environmental factor assisted chlorophyll-a prediction and water quality eutrophication grade classification: a comparative analysis of multiple hybrid models based on a SVM. | O |
| 241 | Using Deep Features Extraction and Ensemble Classifiers to Detect Glaucoma from Fundus Images. 2021 , 63-70 | |
| 240 | Computational intelligence identifies alkaline phosphatase (ALP), alpha-fetoprotein (AFP), and hemoglobin levels as most predictive survival factors for hepatocellular carcinoma. 2021 , 27, 1460458220984. | 265 |

| 239 | Development of Rainfall Prediction Models Using Machine Learning Approaches for Different Agro-Climatic Zones. 2021 , 72-94 | O |
|--------------------------|--|-------------|
| 238 | From Linear Programming Approach to Metaheuristic Approach: Scaling Techniques. 2021 , 2021, 1-10 | 2 |
| 237 | Determination of Land Use Change using Support Vector Machines: A Case Study of Arnavutkoy, Istanbul. | |
| 236 | Deep learning to classify ultra-high-energy cosmic rays by means of PMT signals. 2021 , 33, 9153-9169 | 1 |
| 235 | Evaluation of machine learning methods for classification of rotational absorption spectra for gases in the 220B30 GHz range. 2021 , 127, 1 | 1 |
| 234 | A combined data-driven and discrete modelling approach to predict particle flow in rotating drums. 2021 , 231, 116251 | 2 |
| 233 | Data analytics and clinical feature ranking of medical records of patients with sepsis. 2021 , 14, 12 | 3 |
| 232 | Nonlinear dimension reduction for conditional quantiles. 1 | |
| 231 | Cloud evolutionary computation system for advanced engineering analytics. 1 | |
| 230 | Prediction of cement-based mortars compressive strength using machine learning techniques. 2021 , 33, 13089 | 10 |
| | | |
| 229 | Marine dual fuel engines monitoring in the wild through weakly supervised data analytics. 2021 , 100, 104179 | 11 |
| 229 | | 11 |
| | 100, 104179 | |
| 228 | Prediction Model for Coal Spontaneous Combustion Based on SA-SVM. 2021 , 6, 11307-11318 Enhanced streamflow prediction with SWAT using support vector regression for spatial calibration: | 2 |
| 228 | Prediction Model for Coal Spontaneous Combustion Based on SA-SVM. 2021, 6, 11307-11318 Enhanced streamflow prediction with SWAT using support vector regression for spatial calibration: A case study in the Illinois River watershed, U.S. 2021, 16, e0248489 Novel principal component analysis-based feature selection mechanism for classroom sound | 3 |
| 228 227 226 | Prediction Model for Coal Spontaneous Combustion Based on SA-SVM. 2021, 6, 11307-11318 Enhanced streamflow prediction with SWAT using support vector regression for spatial calibration: A case study in the Illinois River watershed, U.S. 2021, 16, e0248489 Novel principal component analysis-based feature selection mechanism for classroom sound classification. | 2 3 2 |
| 228 227 226 225 | Prediction Model for Coal Spontaneous Combustion Based on SA-SVM. 2021, 6, 11307-11318 Enhanced streamflow prediction with SWAT using support vector regression for spatial calibration: A case study in the Illinois River watershed, U.S. 2021, 16, e0248489 Novel principal component analysis-based feature selection mechanism for classroom sound classification. An Artificial Neural Network for Predicting the Near-fault Directivity-pulse Period. 1-20 | 2 3 2 |

| 221 | A New Approach for Estimating Dissolved Oxygen Based on a High-Accuracy Surface Modeling Method. 2021 , 21, | 2 |
|-----|---|----|
| 220 | Low-Pass Filtering Empirical Wavelet Transform Machine Learning Based Fault Diagnosis for Combined Fault of Wind Turbines. 2021 , 23, | 2 |
| 219 | Predicting the whiteness index of cotton fabric with a least squares model. 2021 , 28, 8841-8854 | 1 |
| 218 | A support vector regression model to predict nitrate-nitrogen isotopic composition using hydro-chemical variables. 2021 , 290, 112674 | 11 |
| 217 | Diffeomorphic respiratory motion estimation of thoracoabdominal organs for image-guided interventions. 2021 , 48, 4160-4176 | 1 |
| 216 | A Moment Based Fractional Fourier Transform Scheme for MR Image Classification. 2021 , 55, 377-387 | О |
| 215 | PLS and kernel SVM based hybrid classifier for discriminating FTIR spectrum data with limited sample size. 2021 , 215, 104365 | 1 |
| 214 | Response surface methodology to tune artificial neural network hyper-parameters. e12792 | 1 |
| 213 | Discriminating pure Tamarix species and their putative hybrids using field spectrometer. 1-20 | 1 |
| 212 | Natural language processing for aviation safety: extracting knowledge from publicly-available loss of separation reports. 1, 110 | |
| 211 | Optimized support vector machines for unveiling mortality incidence in Tilapia fish. 2021 , 12, 3081-3090 | 1 |
| 210 | Non-small-cell lung cancer classification via RNA-Seq and histology imaging probability fusion. <i>BMC Bioinformatics</i> , 2021 , 22, 454 | 2 |
| 209 | COVID-19 prediction based on genome similarity of human SARS-CoV-2 and bat SARS-CoV-like coronavirus. 2021 , 161, 107666 | 3 |
| 208 | As-a-Service Modelle fil die Fertigungstechnik. 2021 , 449-470 | |
| 207 | Self-supervised Multi-modal Hybrid Fusion Network for Brain Tumor Segmentation. 2021, PP, | 5 |
| 206 | : A Kernel Framework for Integrating Supervised and Unsupervised Analyses in Spatio-Temporal Metagenomic Datasets. 2021 , 12, 609048 | 4 |
| 205 | Infinite Ensemble Learning with Support Vector Machines. 2005 , 242-254 | 8 |
| 204 | Functional Classification of G-Protein Coupled Receptors, Based on Their Specific Ligand Coupling Patterns. 2006 , 1-12 | 3 |

| 203 | Support Vector Machines for Mathematical Symbol Recognition. 2006, 136-144 | 3 |
|-----|--|----|
| 202 | Alternatives to Parameter Selection for Kernel Methods. 2006 , 216-225 | 1 |
| 201 | Ensembles of Nearest Neighbor Forecasts. 2006 , 545-556 | 13 |
| 200 | Categorization of Large Text Collections: Feature Selection for Training Neural Networks. 2006 , 1003-1013 | 3 |
| 199 | Support Vector Machine Tree Based on Feature Selection. 2006 , 856-863 | 4 |
| 198 | Effective Arabic Character Recognition Using Support Vector Machines. 2007, 7-11 | 7 |
| 197 | Algorithms and Applications for Land Cover Classification [A Review. 2010, 203-233 | 2 |
| 196 | Support Vector Machines for Data Modeling with Software Engineering Applications. 2006, 1023-1037 | 3 |
| 195 | Two-Class Support Vector Machines. 2010 , 21-112 | 4 |
| 194 | A Common Spatial Pattern Approach for Classification of Mental Counting and Motor Execution EEG. 2018 , 26-35 | 6 |
| 193 | Large Scale Image Classification: Fast Feature Extraction, Multi-codebook Approach and Multi-core SVM Training. 2014 , 155-172 | 4 |
| 192 | Driving Behavior Analysis of Multiple Information Fusion Based on SVM. 2014 , 60-69 | 3 |
| 191 | A New Evolutionary Support Vector Machine with Application to Parkinson Disease Diagnosis. 2014 , 42-49 | 3 |
| 190 | Recursive SVM Based on TEDA. 2015 , 156-168 | 3 |
| 189 | Inducing Stealth Assessors from Game Interaction Data. 2017 , 212-223 | 8 |
| 188 | Power Consumption Prediction for Dynamic Adjustment in Hydrocracking Process Based on State Transition Algorithm and Support Vector Machine. 2017 , 85-94 | 1 |
| 187 | Perfect Population Classification on Hapmap Data with a Small Number of SNPs. 2007, 789-797 | 2 |
| 186 | On the Application of SVM-Ensembles Based on Adapted Random Subspace Sampling for Automatic Classification of NMR Data. 2007 , 42-51 | 4 |

| 185 | Monitoring Nonlinear Profiles Using Support Vector Machines. 2007 , 574-583 | 17 |
|-----|--|----|
| 184 | A Semi-supervised Learning Method for Motility Disease Diagnostic. 2007 , 773-782 | 1 |
| 183 | Granular Support Vector Machine Based Method for Prediction of Solubility of Proteins on Overexpression in Escherichia Coli. 2007 , 406-415 | 2 |
| 182 | Substructural Surrogates for Learning Decomposable Classification Problems. 2008 , 235-254 | 1 |
| 181 | A SVM-Based Behavior Monitoring Algorithm towards Detection of Un-desired Events in Critical Infrastructures. 2009 , 61-68 | 1 |
| 180 | iSeM: Approximated Reasoning for Adaptive Hybrid Selection of Semantic Services. 2010 , 30-44 | 17 |
| 179 | Bag-of-Visual-Words Approach to Abnormal Image Detection in Wireless Capsule Endoscopy Videos. 2011 , 320-327 | 25 |
| 178 | EAGLE: Efficient Active Learning of Link Specifications Using Genetic Programming. 2012 , 149-163 | 58 |
| 177 | A Hybrid PSO-FSVM Model and Its Application to Imbalanced Classification of Mammograms. 2013 , 275-284 | 3 |
| 176 | Automated Classification of Sunspot Groups with Support Vector Machines. 2010 , 321-325 | 4 |
| 175 | Analysis of support vector regression kernels for energy storage efficiency prediction. 2020 , 6, 634-639 | 8 |
| 174 | Detecting corporate misconduct through random forest in Chinal construction industry. 2020 , 268, 122266 | 12 |
| 173 | Random Forest Models for Accurate Identification of Coordination Environments from X-Ray Absorption Near-Edge Structure. 2020 , 1, 100013 | 26 |
| 172 | Improving the calling of non-invasive prenatal testing on 13-/18-/21-trisomy by support vector machine discrimination. | 2 |
| 171 | Genetic architecture of collective behaviors in zebrafish. | 4 |
| 170 | Change Analysis of Aboveground Forest Carbon Stocks According to the Land Cover Change Using Multi-Temporal Landsat TM Images and Machine Learning Algorithms. 2015 , 18, 81-99 | 3 |
| 169 | Leveraging machine learning techniques for predicting pancreatic neuroendocrine tumor grades using biochemical and tumor markers. 2019 , 7, 1611-1622 | 3 |
| 168 | Chromatin states accurately classify cell differentiation stages. 2012 , 7, e31414 | 9 |

| 167 | A Robust One -Class Support Vector Machine Using Gaussian -Based Penalty Factor and Its Application to Fault Detection. 2017 , 5, 146-152 | 3 |
|-----|--|---|
| 166 | Investigation of Normalization Techniques and Their Impact on a Recognition Rate in Handwritten Numeral Recognition. 2010 , 19, 53-77 | 3 |
| 165 | A Nu-support Vector Regression Based System for Grid Resource Monitoring and Prediction. 2010 , 36, 139-146 | 2 |
| 164 | Paper sheet defects classification based on support vector machine method. 2008 , 28, 330-332 | 2 |
| 163 | An Intelligent and Dynamic Decision Support System for Nonlinear Environments. 2012, 8, 43-61 | 3 |
| 162 | Handwriting Classification Based on Support Vector Machine with Cross Validation. 2013 , 05, 84-87 | 5 |
| 161 | Modeling of the Unburned Carbon in Fly Ash. 2009 , 01, 90-93 | 7 |
| 160 | Image Classification Based on Histogram Intersection Kernel. 2015 , 03, 158-163 | 2 |
| 159 | A Parameters Optimization Method of v-Support Vector Machine and Its Application in Speech Recognition. 2013 , 8, | 1 |
| 158 | Knowledge-Based Approach Using Support Vector Machine for Transmission Line Distance Relay Co-ordination. 2008 , 3, 363-372 | 4 |
| 157 | Internet public opinion chaotic prediction based on chaos theory and the improved radial basis function in neural networks. 2015 , 64, 110503 | 6 |
| 156 | Digital twins of the mooring line tension for floating offshore wind turbines to improve monitoring, lifespan, and safety. 1 | O |
| 155 | Local Linear Approximation for Kernel Methods: The Railway Kernel. 2006, 936-944 | |
| 154 | Fusion of Gaussian Kernels Within Support Vector Classification. 2006 , 945-953 | 1 |
| 153 | Reliable Instance Classification with Version Spaces. 2006 , 288-301 | |
| 152 | Optimization of the SVM Screening Kernel-Application to Hit Definition in Compound Screening. 2007 , 224-231 | |
| 151 | Supervisal algorithm design of IDS using support vector regression. 2008, 28, 609-611 | 1 |
| 150 | SVM Based Decision Analysis and Its Granular-Based Solving. 2009 , 734-748 | |

| 149 | A Model Based on SVM for Predicting Spontaneous Combustion of Coal. 2009 , 505-511 | |
|--------------------------|--|-----|
| 148 | The Application of Support Vector Regression in the Dual-Axis Tilt Sensor Modeling. 2010 , 500-508 | |
| 147 | Automatic Authorship Attribution for Texts in Croatian Language Using Combinations of Features. 2010 , 21-30 | 1 |
| 146 | The Parameters Selection for SVM Based on Improved Chaos Optimization Algorithm. 2011 , 376-383 | 1 |
| 145 | Introduction to Support Vector Machines and Their Applications in Bankruptcy Prognosis. 2012, 731-761 | O |
| 144 | Adaptive Switching Median Filter for Impulse Noise Removal Based on Support Vector Machines. 2011 , 18, 871-886 | |
| 143 | Combining Version Spaces and Support Vector Machines for Reliable Classification. 2012, 109-126 | |
| 142 | Online Anomaly Prediction for Real-Time Stream Processing. 2012 , E95.B, 2034-2042 | |
| 141 | Using Genetic Algorithms to Improve Prediction of Execution Times of ML Tasks. 2012 , 196-207 | 6 |
| | | |
| 140 | Short-Term Electric Load Forecasting Based on LS-SVMs. 2012 , 541-545 | |
| 139 | Short-Term Electric Load Forecasting Based on LS-SVMs. 2012, 541-545 Understanding and forecasting polar stratospheric variability with statistical models. | |
| | | |
| 139 | Understanding and forecasting polar stratospheric variability with statistical models. | |
| 139 | Understanding and forecasting polar stratospheric variability with statistical models. CUP Classification Based on a Tree Structure with MiRNA Feature Selection. 2013, 485-496 Parallel Multiclass Support Vector Interpretation of Haemodynamic Parameters for Manifestation | |
| 139 138 137 | Understanding and forecasting polar stratospheric variability with statistical models. CUP Classification Based on a Tree Structure with MiRNA Feature Selection. 2013, 485-496 Parallel Multiclass Support Vector Interpretation of Haemodynamic Parameters for Manifestation of Aortic and Arterial Occlusive Diseases. 2013, 465-486 AppendicitisScan Tool: A New Tool for the Efficient Classification of Childhood Abdominal Pain | 1 |
| 139 138 137 | Understanding and forecasting polar stratospheric variability with statistical models. CUP Classification Based on a Tree Structure with MiRNA Feature Selection. 2013, 485-496 Parallel Multiclass Support Vector Interpretation of Haemodynamic Parameters for Manifestation of Aortic and Arterial Occlusive Diseases. 2013, 465-486 AppendicitisScan Tool: A New Tool for the Efficient Classification of Childhood Abdominal Pain Clinical Cases Using Machine Learning Tools. 2013, 110-118 | 1 2 |
| 139 138 137 136 | Understanding and forecasting polar stratospheric variability with statistical models. CUP Classification Based on a Tree Structure with MiRNA Feature Selection. 2013, 485-496 Parallel Multiclass Support Vector Interpretation of Haemodynamic Parameters for Manifestation of Aortic and Arterial Occlusive Diseases. 2013, 465-486 AppendicitisScan Tool: A New Tool for the Efficient Classification of Childhood Abdominal Pain Clinical Cases Using Machine Learning Tools. 2013, 110-118 Predicting Users Behaviours in Distributed Social Networks Using Community Analysis. 2014, 119-138 | |

| 131 | A Proposal of Model of Kawaii Feelings for Spoon Designs. 2017 , 687-699 | 6 |
|-----|---|----|
| 130 | Efficient Parameterization for Automatic Speaker Recognition Using Support Vector Machines. 2017 , 659-666 | |
| 129 | Acoustic classification of focus: On the web and in the lab. 2017 , 8, 16 | |
| 128 | Model of Kawaii Spoon Evaluations by Thai and Japanese. 2019 , 173-194 | |
| 127 | Identification of Agricultural Crop Residues Using Non-Destructive Methods. 2019 , 114-144 | |
| 126 | A Novel Method for Highly Imbalanced Classification with Weighted Support Vector Machine. 2019 , 275-286 | 1 |
| 125 | . 2019, | |
| 124 | SVM based Classification Of sEMG Signals using Time Domain Features for the Applications towards Arm Exoskeletons. 2019 , | 1 |
| 123 | Multi-fidelity Surrogate Models. 2020 , 55-87 | |
| 122 | Human action recognition using descriptor based on selective finite element analysis. 2019 , 70, 443-453 | 2 |
| 121 | Typhoon Type Index: A New Index for Understanding the Rain or Wind Characteristics of Typhoons and Its Application to Agricultural Losses and Crop Vulnerability. 2020 , 59, 973-989 | 1 |
| 120 | Urban area classification with quad-pol L-band ALOS-2 SAR data: A case of Chennai city, India. 2020 , | |
| 119 | Semantic Information Extraction from Multi-Corpora Using Deep Learning. 2022, 70, 5021-5038 | 4 |
| 118 | Modeling, diagnostics, optimization, and control of internal combustion engines via modern machine learning techniques: A review and future directions. 2022 , 88, 100967 | 13 |
| 117 | Computer Vision Algorithms for Image Segmentation, Motion Detection, and Classification. 2020 , 119-138 | |
| 116 | Classification of EEG Motion Artifact Signals Using Spatial ICA. 2020 , 23-35 | О |
| 115 | Machine Learning Aprroach for Early Detection of Glaucoma from Visual Fields. 2020, | 1 |
| 114 | A Smart and Dynamic Decision Support System for Nonlinear Environments. 137-161 | 1 |

| 113 | Genetically Constructed Kernels for Support Vector Machines. 2006, 257-262 | 1 |
|-----|---|----|
| 112 | Classes of Kernels for Hit Definition in Compound Screening. 2008, 609-619 | |
| 111 | An Alternative Splicing Predictor in C.Elegans Based on Time Series Analysis. 2007 , 588-595 | |
| 110 | Choosing the Kernel Parameters for the Directed Acyclic Graph Support Vector Machines. 2007 , 276-285 | |
| 109 | Quantitative identification of coal texture using the support vector machine with geophysical logging data: A case study using medium-rank coal from the Panjiang, Guizhou, China. 2020 , 8, T753-T762 | 1 |
| 108 | Intraoperative diagnosis of benign and malignant breast tissues by fourier transform infrared spectroscopy and support vector machine classification. 2015 , 8, 972-81 | 12 |
| 107 | On Quantile Regression in Reproducing Kernel Hilbert Spaces with Data Sparsity Constraint. 2016 , 17, 1-45 | 1 |
| 106 | Classification Models for Pulmonary Function using Motion Analysis from Phone Sensors. 2016 , 2016, 401-410 | 4 |
| 105 | A General Land Cover Classification Framework for Sentinel-1 SAR Data. 2021 , | Ο |
| 104 | Classification of Impaired Waist to Height Ratio and Waist to Hip Ratio Using Support Vector Machine. 2021 , | |
| 103 | Interpreting support vector machines applied in laser-induced breakdown spectroscopy 2022 , 1192, 339352 | 2 |
| 102 | A Discussion of Machine Learning Approaches for Clinical Prediction Modeling. 2022 , 134, 65-73 | |
| 101 | . 2021 , 9, 165132-165144 | Ο |
| 100 | A New Sparse Kernel RLS Algorithm for Identification of Nonlinear Systems. 2021 , 9, 163165-163177 | |
| 99 | Intelligent Machine Learning Techniques for Condition Assessment of Power Transformers. 2020, | 2 |
| 98 | A Hybrid Approach Based on SVM and Bernoulli Mixture Model for Binary Vectors Classification. 2020 , | O |
| 97 | Fiber Fault Monitoring for Passive Optical Network using a Kernel-Based Support Vector Machine. 2021 , | |
| 96 | Comparative Analysis between Supervised Machine Learning and Time Series Models for stock price prediction. 2021 , | |

| 95 | A fast parameter optimization approach based on the inter-cluster induced distance in the feature space for support vector machines. 2022 , 118, 108519 | O |
|----------------------|---|---|
| 94 | Investors pay attention to multi-level financial news 🛮 A pure waste of time" or "It worth it". 2022 , 199, 415-422 | |
| 93 | Detecting Pine Trees Damaged by Wilt Disease using Deep Learning Techniques Applied to Multi-Spectral Images. 2022 , 1-1 | О |
| 92 | Monitoring of Soil Salinization in the Keriya Oasis Based on Deep Learning with PALSAR-2 and Landsat-8 Datasets. 2022 , 14, 2666 | |
| 91 | Fault monitoring in passive optical network through the integration of machine learning and fiber sensors. | 3 |
| 90 | Natural language processing for aviation safety: extracting knowledge from publicly-available loss of separation reports. 1, 110 | |
| 89 | Assessment and Forecast of Green Total Factor Energy Efficiency in the Yellow River Basin Perspective Distinguishing the Upper, Middle and Lower Stream. 2022 , 14, 2506 | 2 |
| 88 | Prediction of Rockfill Materials' Shear Strength Using Various Kernel Function-Based Regression Models-A Comparative Perspective 2022 , 15, | 1 |
| 87 | INN: An Interpretable Neural Network for AI Incubation in Manufacturing. | O |
| | | |
| 86 | MinerAlert: an hybrid approach for web mining detection. 1 | O |
| 86 85 | MinerAlert: an hybrid approach for web mining detection. 1 Early warning of algal blooms based on the optimization support vector machine regression in a typical tributary bay of the Three Gorges Reservoir, China 2022, 1 | 0 |
| | Early warning of algal blooms based on the optimization support vector machine regression in a | 0 |
| 85 | Early warning of algal blooms based on the optimization support vector machine regression in a typical tributary bay of the Three Gorges Reservoir, China 2022, 1 A novel approach for recipe prediction of fabric dyeing based on feature-weighted support vector | 0 |
| 8 ₅ | Early warning of algal blooms based on the optimization support vector machine regression in a typical tributary bay of the Three Gorges Reservoir, China 2022, 1 A novel approach for recipe prediction of fabric dyeing based on feature-weighted support vector regression and particle swarm optimisation. | 0 |
| 85 84 83 | Early warning of algal blooms based on the optimization support vector machine regression in a typical tributary bay of the Three Gorges Reservoir, China 2022, 1 A novel approach for recipe prediction of fabric dyeing based on feature-weighted support vector regression and particle swarm optimisation. A Modeling and Optimizing Method for Electricity Current Intensity of Coal Mills. 2022, 2022, 1-5 | 3 |
| 85 84 83 82 | Early warning of algal blooms based on the optimization support vector machine regression in a typical tributary bay of the Three Gorges Reservoir, China 2022, 1 A novel approach for recipe prediction of fabric dyeing based on feature-weighted support vector regression and particle swarm optimisation. A Modeling and Optimizing Method for Electricity Current Intensity of Coal Mills. 2022, 2022, 1-5 A two-step machine learning method for casualty prediction under emergencies. 2022, | |
| 85 84 83 82 | Early warning of algal blooms based on the optimization support vector machine regression in a typical tributary bay of the Three Gorges Reservoir, China 2022, 1 A novel approach for recipe prediction of fabric dyeing based on feature-weighted support vector regression and particle swarm optimisation. A Modeling and Optimizing Method for Electricity Current Intensity of Coal Mills. 2022, 2022, 1-5 A two-step machine learning method for casualty prediction under emergencies. 2022, A pipeline and comparative study of 12 machine learning models for text classification. 2022, 117193 Deep learning-based automatic optical inspection system empowered by online multivariate | |

| 77 | Genetic programming for automatic skin cancer image classification. 2022 , 197, 116680 | 1 |
|----|--|---|
| 76 | Digital Twin of the Mooring Line Tension for Floating Offshore Wind Turbines. 2021, | 0 |
| 75 | Implementation of Support Vector Machine on Text-based GERD Detection by using Drug Review Content. 2021 , | 0 |
| 74 | Classifying Cover Crop Residue from RGB Images: A Simple SVM versus a SVM Ensemble. 2021 , | O |
| 73 | Physical and Ɗata-Driven Models Hybridisation for Modelling the Ɗynamic State of a Four-Stroke Marine Diesel Engine. 2022 , 145-193 | 1 |
| 72 | Automated Sleep Stage Scoring Using Brain Effective Connectivity and EEG Signals. 2021, | |
| 71 | Near-real-time Anomaly Detection in Encrypted Traffic using Machine Learning Techniques. 2021, | |
| 70 | Millimeter Scale Localization of Auditory Event-Related Human Cerebral Cortex Based on Invasive EEG Analysis. 2021 , | |
| 69 | A Visual EEG Paradigm and Dataset for Recognizing the Size Transformation of Images. 2021, | |
| 68 | Bearing fault detection in three-phase induction motors using support vector machine and fiber Bragg grating. 2022 , 1-1 | 1 |
| 67 | Nonlinear optimization and support vector machines. 1 | 0 |
| 66 | Hybrid deep CNN-SVR algorithm for solar radiation prediction problems in Queensland, Australia. 2022 , 112, 104860 | O |
| 65 | Data_Sheet_1.PDF. 2019 , | |
| 64 | Diagnosis of Schizophrenia: A comprehensive evaluation 2022 , PP, | 2 |
| 63 | A survey on recognition and classification of paddy leaf diseases using image processing and machine learning techniques. 2022 , | |
| 62 | Fusion of Deep Features for Classification of Breast Cancer Using Multi-Deep CNNs. 2022 , 49-57 | |
| 61 | Specificities of ERD lateralization during motion execution. 2022, | |
| 60 | Industrial system working condition identification using operation-adjusted hidden Markov model. 1 | |

Forecasting New COVID-19 Cases and Deaths Based on an Intelligent Point and Interval System Coupled With Environmental Variables. **2022**, 10,

| 58 | A Perspective on Passive Human Sensing with Bluetooth 2022 , 22, | | 5 |
|----|---|------------------|---|
| 57 | Research on the Anti-Leakage System for Reinforced Concrete Flat Roofs in Cold Areas. 2022 , 2022, 1-1 | 0 | |
| 56 | A seizure detection method based on hypergraph features and machine learning. 2022 , 77, 103769 | | |
| 55 | A Novel Data-Driven Method with Decomposition Mechanism Suitable for Different Periods of Electrical Load Forecasting. 2022 , 1-1 | | |
| 54 | Detection and analysis of transfer time in urban rail transit system using WIFI data. 1-11 | | O |
| 53 | Predictive performance of different NTCP techniques for radiation-induced esophagitis in NSCLC patients receiving proton radiotherapy. 2022 , 12, | | О |
| 52 | Computationally aware estimation of ultimate strength reduction of stiffened panels caused by welding residual stress: From finite element to data-driven methods. 2022 , 264, 114423 | | O |
| 51 | A comparative machine learning approach for entropy-based damage detection using output-only correlation signal. | | O |
| 50 | An Exploratory Study on the Use of Machine Learning to Predict Student Academic Performance. 2022 , 346-361 | | |
| 49 | Predictive Maintenance Model Based on Multisensor Data Fusion of Hybrid Fuzzy Rough Set Theory Feature Selection and Stacked Ensemble for Fault Classification. 2022 , 2022, 1-24 | | |
| 48 | PMU Spoof Detection via Image Classification Methodology against Repeated Value Attacks by using Deep Learning. 2022 , | | O |
| 47 | New insights on the prevalence of drizzle in marine stratocumulus clouds based on a machine learning algorithm applied to radar Doppler spectra. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 7405- | 7 496 | O |
| 46 | Stratification of risk of atherosclerotic plaque using Hull moment invariants of segmented ultrasonic images. <i>Biomedizinische Technik</i> , 2022 , | 1.3 | 1 |
| 45 | V2PFQL: A proactive fault tolerance approach for cloud-hosted applications in cloud computing environment. <i>IET Control Theory and Applications</i> , | 2.5 | |
| 44 | StackEPI: identification of cell line-specific enhancerpromoter interactions based on stacking ensemble learning. <i>BMC Bioinformatics</i> , 2022 , 23, | 3.6 | O |
| 43 | Prediction of Wave Energy Flux in the Bohai Sea through Automated Machine Learning. <i>Journal of Marine Science and Engineering</i> , 2022 , 10, 1025 | 2.4 | 1 |
| 42 | Lake Urmia Water Salinity Mapping using Sentinel-2 Multi-Spectral Imagery. 2022 , | | |

Coordinated Charging and Discharging of Electric Vehicles: A New Class of Switching Attacks.

| 40 | Predicting sea surface salinity in a tidal estuary with machine learning. 2022 , | 1 |
|----|---|---|
| 39 | A support vector machines framework for identification of infrared spectra. 2022, 128, | 1 |
| 38 | Hierarchical identification of nonlinear hybrid systems in a Bayesian framework. 2022, 104947 | O |
| 37 | An improved pore-solid fractal model for predicting coastal saline soil hydraulic properties based on changepoints determined by genetic algorithm-support vector regression. 2022 , 224, 105502 | O |
| 36 | Greenhouses Detection in Guanzhong Plain, Shaanxi, China: Evaluation of Four Classification Methods in Google Earth Engine. 1-17 | O |
| 35 | Identifying potential breakthrough research: A machine learning method using scientific papers and Twitter data. 2022 , 184, 122042 | 1 |
| 34 | A Semantic Segmentation Method for Remote Sensing Images Based on the Swin Transformer Fusion Gabor Filter. 2022 , 10, 77432-77451 | 1 |
| 33 | Sparse bayesian learning for genomic selection in yeast. 2, | O |
| 32 | Using distributed root soil moisture data to enhance the performance of rainfall thresholds for landslide warning. | O |
| 31 | Stacking of Canopy Spectral Reflectance from Multiple Growth Stages Improves Grain Yield Prediction under Full and Limited Irrigation in Wheat. 2022 , 14, 4318 | O |
| 30 | Dynamic ST-based PCA method for adaptive data detection. 2022 , 14, 168781322211331 | O |
| 29 | Effects of climate change on dynamics of agricultural lands and cultivation pattern, a case study of Urmia County, Iran. 2022 , 15, | O |
| 28 | A Two-Stage Structural Damage Detection Method Based on 1D-CNN and SVM. 2022 , 12, 10394 | O |
| 27 | High Accuracy Diagnosis for MRI Imaging Of Alzheimer® Disease using Xgboost. 2022 , 16, | O |
| 26 | Automated quality control inspection of geometric tip defects in medical needle manufacturing. | O |
| 25 | Using artificial intelligence to detect human errors in nuclear power plants: A case in operation and maintenance. 2022 , | O |
| 24 | Application of multi-layer neural network and hyperspectral reflectance in genome-wide association study for grain yield in bread wheat. 2022 , 289, 108730 | O |

| 23 | Efficient IoT Big Data Streaming with Deep Learning-enabled Dynamics. 2022, 1-1 | 0 |
|----|--|---|
| 22 | Gaussian RBF Centered Kernel Alignment (CKA) in the Large-Bandwidth Limit. 2022, 1-8 | O |
| 21 | Optimizing SVM Hyperparameters using Predatory Swarms Algorithms for Use Case Points Estimation. 2022 , | О |
| 20 | Panic Detection Using Machine Learning and Real-Time Biometric and Spatiotemporal Data. 2022 , 11, 552 | O |
| 19 | Using Machine Learning to Explore the Crucial Factors of Assistive Technology Assessments: Cases of Wheelchairs. 2022 , 10, 2238 | О |
| 18 | Implementation of free and open-source semi-automatic feature engineering tool in landslide susceptibility mapping using the machine-learning algorithms RF, SVM, and XGBoost. | O |
| 17 | Hyper-parameter Tuning for Quantum Support Vector Machine. 2022 , 22, 47-54 | O |
| 16 | Physically plausible propeller noise prediction via recursive corrections leveraging prior knowledge and experimental data. 2023 , 118, 105660 | O |
| 15 | Development of A Comprehensive Quality Measure for Identification of Nonlinear Hybrid Systems. 2022 , 16, 49-62 | 0 |
| 14 | Classification of Alzheimer disease based on deep learning. 2022, | O |
| 13 | Hyperspectral anomaly detection: a performance comparison of existing techniques. 2022, 15, 2078-2125 | 0 |
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