

CITATION REPORT

List of articles citing

Particle swarm optimization for parameter determination and feature selection of support vector machine

DOI: 10.1016/j.eswa.2007.08.088

Expert Systems With Applications, 2008, 35, 1817-1824.

Source: <https://exaly.com/paper-pdf/43549934/citation-report.pdf>

Version: 2024-04-09

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
678	An Evolutionary Artificial Immune System for feature selection and parameters optimization of support vector machines for ERP assessment in a P300-based GKT. 2008 ,		5
677	A Novel Classification Approach Based on Support Vector Machine and Adaptive Particle Swarm Optimization Algorithm. 2008 ,		3
676	Swarm Intelligence for Multi-objective Problems in Data Mining. <i>Studies in Computational Intelligence</i> , 2009 ,	0.8	11
675	. 2009 ,		
674	Support Vector Regression Based on Particle Swarm Optimization and Projection Pursuit Technology for Rainfall Forecasting. 2009 ,		4
673	Prediction of skin sensitization with a particle swarm optimized support vector machine. 2009 , 10, 3237-54		17
672	Parameter determination and feature selection for back-propagation network by particle swarm optimization. 2009 , 21, 249-266		24
671	Using new attribute construction to incorporate the expertise of human experts into a smuggling vessels classification system. <i>Expert Systems With Applications</i> , 2009 , 36, 7773-7777	7.8	4
670	Use of particle swarm optimization for machinery fault detection. 2009 , 22, 308-316		105
669	The forecasting model based on wavelet Support vector machine. <i>Expert Systems With Applications</i> , 2009 , 36, 7604-7610	7.8	58
668	Weak signal detection based on stochastic resonance combining with PSO algorithm. 2009 ,		
667	PARAMETER ESTIMATION OF SCHOTTKY-BARRIER DIODE MODEL BY PARTICLE SWARM OPTIMIZATION. 2009 , 20, 687-699		6
666	Development of a hybrid methodology for dimensionality reduction in MahalanobisTaguchi system using Mahalanobis distance and binary particle swarm optimization. <i>Expert Systems With Applications</i> , 2010 , 37, 1286-1293	7.8	66
665	Feature selection for SVM via optimization of kernel polarization with Gaussian ARD kernels. <i>Expert Systems With Applications</i> , 2010 , 37, 6663-6668	7.8	19
664	Model optimization of SVM for a fermentation soft sensor. <i>Expert Systems With Applications</i> , 2010 , 37, 2708-2713	7.8	50
663	Car assembly line fault diagnosis based on robust wavelet SVC and PSO. <i>Expert Systems With Applications</i> , 2010 , 37, 5423-5429	7.8	9
662	Power load forecasts based on hybrid PSO with Gaussian and adaptive mutation and Wv-SVM. <i>Expert Systems With Applications</i> , 2010 , 37, 194-201	7.8	39

661	Gaussian quantum-behaved particle swarm optimization approaches for constrained engineering design problems. <i>Expert Systems With Applications</i> , 2010 , 37, 1676-1683	7.8	292
660	A hybrid-forecasting model based on Gaussian support vector machine and chaotic particle swarm optimization. <i>Expert Systems With Applications</i> , 2010 , 37, 2388-2394	7.8	77
659	Regression application based on fuzzy Support vector machine in symmetric triangular fuzzy space. <i>Expert Systems With Applications</i> , 2010 , 37, 2808-2814	7.8	13
658	GA-based method for feature selection and parameters optimization for machine learning regression applied to software effort estimation. 2010 , 52, 1155-1166		112
657	A HYBRID SUPPORT VECTOR REGRESSION APPROACH FOR RAINFALL FORECASTING USING PARTICLE SWARM OPTIMIZATION AND PROJECTION PURSUIT TECHNOLOGY. 2010 , 09, 87-104		34
656	Effective Feature selection with Particle Swarm Optimization based one-dimension searching. 2010 ,		1
655	A Novel Hybrid Particle Swarm Optimization for Feature Selection and Kernel Optimization in Support Vector Regression. 2010 ,		2
654	Multivariate filter and PSO in protein function classification. 2010 ,		
653	Feature selection for Chinese Text Categorization based on improved particle swarm optimization. 2010 ,		7
652	A real time IDSs based on artificial Bee Colony-support vector machine algorithm. 2010 ,		19
651	Integrating Rough Set Theory and Particle Swarm Optimisation in feature selection. 2010 ,		2
650	Forecasting stock index trend based on the GAS-VM integrated system and wavelet-based feature extractions on multiple scales. 2011 ,		
649	Adaptive PID controller based on online LSSVR with kernel tuning. 2011 ,		8
648	Application of the PSO-SVM Model for Credit Scoring. 2011 ,		4
647	High Performance Networking, Computing, and Communication Systems. <i>Communications in Computer and Information Science</i> , 2011 ,	0.3	
646	Future Intelligent Information Systems. <i>Lecture Notes in Electrical Engineering</i> , 2011 ,	0.2	6
645	Evolutionary-based support vector machine. 2011 ,		1
644	Enhancing the classification accuracy by scatter-search-based ensemble approach. <i>Applied Soft Computing Journal</i> , 2011 , 11, 1021-1028	7.5	23

643	Discrete Artificial Bee Colony Optimization Algorithm for Financial Classification Problems. 2011 , 2, 1-17	10
642	A novel hybrid model for image classification. 2011 , 6, 96	8
641	Support vector machine with parameter optimization by bare bones differential evolution. 2011 ,	2
640	Seasonal Autoregressive Integrated Moving Average and Support Vector Machine Models: Prediction of Short-Term Traffic Flow on Freeways. 2011 , 2215, 85-92	54
639	A genetic algorithm for optimized feature selection with resource constraints in software product lines. 2011 , 84, 2208-2221	122
638	Hybrid wavelet Support vector machine and chaotic particle swarm optimization for regression estimation. <i>Expert Systems With Applications</i> , 2011 , 38, 14624-14632	7.8 6
637	Cauchy mutation based on objective variable of Gaussian particle swarm optimization for parameters selection of SVM. <i>Expert Systems With Applications</i> , 2011 , 38, 6405-6411	7.8 21
636	An improved particle swarm optimization for feature selection. 2011 , 8, 191-200	196
635	Short term wind speed prediction based on evolutionary support vector regression algorithms. <i>Expert Systems With Applications</i> , 2011 , 38, 4052-4057	7.8 146
634	A genetic algorithm-based approach to cost-sensitive bankruptcy prediction. <i>Expert Systems With Applications</i> , 2011 , 38, 12939-12945	7.8 47
633	Monthly streamflow forecasting based on improved support vector machine model. <i>Expert Systems With Applications</i> , 2011 , 38, 13073-13081	7.8 100
632	Tax forecasting theory and model based on SVM optimized by PSO. <i>Expert Systems With Applications</i> , 2011 , 38, 116-120	7.8 38
631	Oil holdup prediction of oil-water two phase flow using thermal method based on multiwavelet transform and least squares support vector machine. <i>Expert Systems With Applications</i> , 2011 , 38, 1602-1610	7.8 10
630	The forecasting model based on modified SVRM and PSO penalizing Gaussian noise. <i>Expert Systems With Applications</i> , 2011 , 38, 1887-1894	7.8 6
629	Cauchy mutation for decision-making variable of Gaussian particle swarm optimization applied to parameters selection of SVM. <i>Expert Systems With Applications</i> , 2011 , 38, 4929-4934	7.8 9
628	Feature selection and parameter optimization for support vector machines: A new approach based on genetic algorithm with feature chromosomes. <i>Expert Systems With Applications</i> , 2011 , 38, 5197-5204	7.8 110
627	Hybrid forecasting model based on support vector machine and particle swarm optimization with adaptive and Cauchy mutation. <i>Expert Systems With Applications</i> , 2011 , 38, 9070-9075	7.8 17
626	A probabilistic SVM based decision system for pain diagnosis. <i>Expert Systems With Applications</i> , 2011 , 38, 9346-9351	7.8 22

625	Constructing the linear regression models for the symbolic interval-values data using PSO algorithm. 2011,	4
624	PSO-SVM model for gas/liquid two-phase flow regime recognition. 2011,	
623	. 2011,	1
622	A Kind of Adaptive Quantum Particle Swarm Algorithm Based on Phase Encoding. 2012, 548, 612-616	
621	Determination Optimum SVMs Classifiers for Hyperspectral Imagery Based on Ant Colony Optimization. 2012, 500, 792-798	
620	PARTICLE SWARM OPTIMIZATION-BASED FEATURE SELECTION AND PARAMETER OPTIMIZATION FOR POWER SYSTEM DISTURBANCES CLASSIFICATION. 2012, 26, 832-861	14
619	Simultaneous feature selection and SVM parameter determination in classification of hyperspectral imagery using Ant Colony Optimization. 2012, 38, 139-156	36
618	A NOVEL FIVE-CATEGORY LOAN-RISK EVALUATION MODEL USING MULTICLASS LS-SVM BY PSO. 2012, 11, 857-874	10
617	Automatic content classification of digital modulation signals without binary sequence recovery. 2012,	
616	Support Vector Machines with Weighted Powered Kernels for Data Classification. <i>Communications in Computer and Information Science</i> , 2012, 369-378	0.3
615	Determination of Optimum Classifier and Feature Subset in Hyperspectral Images based on Ant Colony System. 2012, 78, 1261-1273	9
614	An intelligent algorithm with feature selection and decision rules applied to anomaly intrusion detection. <i>Applied Soft Computing Journal</i> , 2012, 12, 3285-3290	7.5 130
613	A New Non-intrusive Authentication Approach for Data Protection Based on Mouse Dynamics. 2012 ,	8
612	A novel hybrid Genetic Algorithm and Simulated Annealing for feature selection and kernel optimization in support vector regression. 2012,	2
611	A novel hybrid genetic algorithm and Simulated Annealing for feature selection and kernel optimization in support vector regression. 2012,	1
610	Data classification using Support Vector Machine integrated with scatter search method. 2012,	6
609	Parameter determination of support vector machine using scatter search approach. 2012,	
608	Downscaling temperature and precipitation using support vector regression with evolutionary strategy. 2012,	5

607	Attribute selection method based on a hybrid BPNN and PSO algorithms. <i>Applied Soft Computing Journal</i> , 2012 , 12, 2147-2155	7.5	40
606	A novel algorithm applied to classify unbalanced data. <i>Applied Soft Computing Journal</i> , 2012 , 12, 2481-2485	7.5	26
605	Evolutionary feature selection via structure retention. <i>Expert Systems With Applications</i> , 2012 , 39, 11801-11807	7.5	12
604	An Internet Traffic Identification Approach Based on GA and PSO-SVM. 2012 , 7,		9
603	Advanced Machine Learning Technologies and Applications. <i>Communications in Computer and Information Science</i> , 2012 ,	0.3	6
602	An evolutionary feature synthesis approach for content-based audio retrieval. 2012 , 2012,		8
601	An intelligent data pre-processing of complex datasets. 2012 , 16, 305-325		11
600	A particle swarm-optimized support vector machine for reliability prediction. 2012 , 28, 141-158		48
599	A biomedical decision support system using LS-SVM classifier with an efficient and new parameter regularization procedure for diagnosis of heart valve diseases. 2012 , 36, 549-56		13
598	Multi-class support vector machine optimized by inter-cluster distance and self-adaptive deferential evolution. 2012 , 218, 4973-4987		21
597	A hybrid stock selection model using genetic algorithms and support vector regression. <i>Applied Soft Computing Journal</i> , 2012 , 12, 807-818	7.5	131
596	Chaos particle swarm optimization and TB fuzzy modeling approaches to constrained predictive control. <i>Expert Systems With Applications</i> , 2012 , 39, 194-201	7.8	43
595	Vibrant fault diagnosis for hydroelectric generator units with a new combination of rough sets and support vector machine. <i>Expert Systems With Applications</i> , 2012 , 39, 2621-2628	7.8	43
594	Leak detection of pipeline: An integrated approach of rough set theory and artificial bee colony trained SVM. <i>Expert Systems With Applications</i> , 2012 , 39, 3071-3080	7.8	82
593	Parameter selection of support vector machines and genetic algorithm based on change area search. <i>Neural Computing and Applications</i> , 2012 , 21, 1-8	4.8	32
592	Particle swarm optimization for feature selection in classification: a multi-objective approach. 2013 , 43, 1656-71		716
591	Support vector regression based on optimal training subset and adaptive particle swarm optimization algorithm. <i>Applied Soft Computing Journal</i> , 2013 , 13, 3473-3481	7.5	24
590	Modified binary PSO for feature selection using SVM applied to mortality prediction of septic patients. <i>Applied Soft Computing Journal</i> , 2013 , 13, 3494-3504	7.5	182

589	Shrinking hypersphere based trajectory of particles in PSO. 2013 , 220, 246-267		13
588	A hybrid-forecasting model reducing Gaussian noise based on the Gaussian support vector regression machine and chaotic particle swarm optimization. 2013 , 238, 96-110		23
587	ECG arrhythmia classification based on optimum-path forest. <i>Expert Systems With Applications</i> , 2013 , 40, 3561-3573	7.8	119
586	Hybrid Metaheuristics. <i>Lecture Notes in Computer Science</i> , 2013 ,	0.9	
585	Least squares twin parametric-margin support vector machine for classification. 2013 , 39, 451-464		33
584	A reliability forecasting method for distribution systems based on support vector machine with chaotic particle swarm optimization algorithm. 2013 ,		1
583	Quantum particle swarm optimization based on Bloch coordinates of qubits. 2013 ,		
582	Forecasting FTSE Bursa Malaysia KLCI trend with Hybrid Particle Swarm Optimization and Support Vector Machine technique. 2013 ,		4
581	A novel DPSO-SVM system for variable interval selection of endometrial tissue sections by near infrared spectroscopy. 2013 , 112, 136-42		14
580	Resampling methods for quality assessment of classifier performance and optimal number of features. 2013 , 93, 2956-2968		6
579	Optimisation of interacting particle systems for rare event estimation. 2013 , 66, 117-128		4
578	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
577	HYBRID OF GENETIC ALGORITHM AND SIMULATED ANNEALING FOR SUPPORT VECTOR REGRESSION OPTIMIZATION IN RAINFALL FORECASTING. 2013 , 12, 1350012		6
576	Classification of EMG signals using PSO optimized SVM for diagnosis of neuromuscular disorders. 2013 , 43, 576-86		302
575	Automatic detection of erythemato-squamous diseases using PSOSVM based on association rules. 2013 , 26, 603-608		86
574	Pattern analysis and classification for security evaluation in power networks. 2013 , 44, 547-560		20
573	Nonlinear regression in environmental sciences by support vector machines combined with evolutionary strategy. <i>Computers and Geosciences</i> , 2013 , 50, 136-144	4.5	23
572	Support vector machine and optimised feature extraction in integrated eddy current instrument. <i>Measurement: Journal of the International Measurement Confederation</i> , 2013 , 46, 764-774	4.6	35

571	A loan default discrimination model using cost-sensitive support vector machine improved by PSO. 2013 , 14, 193-204	3
570	Improved Particle Swarm Optimization Algorithm and its Application Based on the Aggregation Degree. 2013 , 427-429, 1934-1938	
569	A Heuristic Feature Selection Approach for Text Categorization by Using Chaos Optimization and Genetic Algorithm. 2013 , 2013, 1-6	33
568	Rectal sensation function rebuilding based on optimal wavelet packet and support vector machine. 2013 , 7, 139-144	2
567	A Random Particle Swarm Optimization Algorithm with Application. 2013 , 634-638, 3940-3944	3
566	Harmony search applied for support vector machines training optimization. 2013 ,	2
565	MULTI-OBJECTIVE EVOLUTIONARY ALGORITHMS FOR FILTER BASED FEATURE SELECTION IN CLASSIFICATION. 2013 , 22, 1350024	40
564	Rapid and Quantitative Detection Method for Acteoside during Chromatographic Purification of Adhesive Rehmannia Leaf Extract Using near Infrared Spectroscopy and Chemometrics. 2013 , 21, 43-53	5
563	Artificial Neural Network for Power System Static Security Assessment: A Survey. 2013 , 66,	3
562	Comparative analyses between retained introns and constitutively spliced introns in Arabidopsis thaliana using random forest and support vector machine. 2014 , 9, e104049	18
561	A Conjunction Method of Wavelet Transform-Particle Swarm Optimization-Support Vector Machine for Streamflow Forecasting. 2014 , 2014, 1-10	13
560	Data Transformation Functions for Expanded Search Spaces in Geographic Sample Supervised Segment Generation. 2014 , 6, 3791-3821	7
559	Bibliography. 2014 , 125-143	
558	. 2014 ,	4
557	An effective hybrid model based on PSO-SVM algorithm with a new local search for feature selection. 2014 ,	4
556	Optimal SVM parameters estimation using chaotic accelerated particle swarm optimization for genetic data classification. 2014 ,	1
555	Electromagnetic algorithm for tuning the structure and parameters of neural networks. 2014 ,	1
554	Breast cancer data analysis using support vector machines and particle swarm optimization. 2014 ,	3

553	Android malware classification using static code analysis and Apriori algorithm improved with particle swarm optimization. 2014 ,	9
552	Industrial robotic assembly process modeling using support vector regression. 2014 ,	3
551	An archive based particle swarm optimisation for feature selection in classification. 2014 ,	13
550	A new two-stages PSO algorithm for railway trajectory planning on GIS system. 2014 ,	1
549	High-Dimensional Data Classification. 2014 , 119-150	7
548	Enhanced support vector machine using parallel particle swarm optimization. 2014 ,	2
547	MultiMedia Modeling. <i>Lecture Notes in Computer Science</i> , 2014 ,	0.9
546	Empirical Exploration of Extreme SVM-RBF Parameter Values for Visual Object Classification. <i>Lecture Notes in Computer Science</i> , 2014 , 299-306	0.9 3
545	A support vector machine with the tabu search algorithm for freeway incident detection. 2014 , 24, 397-404	44
544	Patent value analysis using support vector machines. 2014 , 18, 313-328	13
543	Manifold proximal support vector machine for semi-supervised classification. 2014 , 40, 623-638	33
542	An improved quantum-behaved particle swarm optimization algorithm. 2014 , 40, 479-496	11
541	Optimal firing planning on high efficient car via PSO algorithm. 2014 ,	
540	Filter based backward elimination in wrapper based PSO for feature selection in classification. 2014 ,	23
539	A support vector machine approach for classification of welding defects from ultrasonic signals. 2014 , 29, 243-254	21
538	Multi-objective unsupervised feature selection algorithm utilizing redundancy measure and negative epsilon-dominance for fault diagnosis. 2014 , 146, 113-124	23
537	A Novel Approach for Analog Circuit Fault Prognostics Based on Improved RVM. 2014 , 30, 343-356	18
536	An improved SVM model for relevance feedback in remote sensing image retrieval. 2014 , 7, 725-745	11

535	Multi-objective model type selection. 2014 , 146, 83-94		17
534	Nature Inspired Cooperative Strategies for Optimization (NICSO 2013). <i>Studies in Computational Intelligence</i> , 2014 ,	0.8	1
533	Monthly streamflow prediction using modified EMD-based support vector machine. 2014 , 511, 764-775		177
532	Clusters, Orders, and Trees: Methods and Applications. 2014 ,		5
531	Soft sensing of particle size in a grinding process: Application of support vector regression, fuzzy inference and adaptive neuro fuzzy inference techniques for online monitoring of cement fineness. 2014 , 264, 484-497		27
530	Improving RTDGPS accuracy using hybrid PSOSVM prediction model. 2014 , 37, 55-69		13
529	Towards an optimal support vector machine classifier using a parallel particle swarm optimization strategy. 2014 , 239, 180-197		59
528	Identification and monitoring of brain activity based on stochastic relevance analysis of short-time EEG rhythms. 2014 , 13, 123		16
527	Reliability assessment with sensitivity-based adaptive SVM surrogates. 2014 , 3297-3304		1
526	Classification of surface defects on bridge cable based on PSO-SVM. 2014 ,		
525	Combining regression models and metaheuristics to optimize space allocation in the retail industry. 2015 , 19, S149-S162		6
524	Modified PSO based feature selection for Microarray data classification. 2015 ,		2
523	Variable selection and uncertainty analysis of scale growth rate under pre-salt oil wells conditions using support vector regression. 2015 , 229, 319-326		2
522	A Prediction Modeling Framework: Toward Integration of Noisy Manufacturing Data and Product Design. 2015 ,		6
521	Theory and Application of Magnetic Flux Leakage Pipeline Detection. <i>Sensors</i> , 2015 , 15, 31036-55	3.8	152
520	The construction of support vector machine classifier using the firefly algorithm. 2015 , 2015, 212719		28
519	Global nonlinear kernel prediction for large data set with a particle swarm-optimized interval support vector regression. 2015 , 26, 2521-34		17
518	Double K-Folds in SVM. 2015 ,		2

517	To tune or not to tune: Recommending when to adjust SVM hyper-parameters via meta-learning. 2015 ,		18
516	An Improved Particle Swarm Optimization via Velocity-Based Reinitialization for Feature Selection. <i>Communications in Computer and Information Science</i> , 2015 , 3-12	0.3	1
515	Decision Support for Performance Arts Using Support Vector Regression With Genetic and Particle Swarm Algorithms. 2015 ,		
514	Selection of Support Vector Machines based classifiers for credit risk domain. <i>Expert Systems With Applications</i> , 2015 , 42, 3194-3204	7.8	74
513	Scene classification based on single-layer SAE and SVM. <i>Expert Systems With Applications</i> , 2015 , 42, 3368-3380	7.8	46
512	A cautious PSO with conditional random. <i>Expert Systems With Applications</i> , 2015 , 42, 4120-4125	7.8	15
511	Using variable combination population analysis for variable selection in multivariate calibration. 2015 , 862, 14-23		103
510	Multi-scale textural feature extraction and particle swarm optimization based model selection for false positive reduction in mammography. 2015 , 46 Pt 2, 95-107		33
509	System reliability prediction by support vector regression with analytic selection and genetic algorithm parameters selection. <i>Applied Soft Computing Journal</i> , 2015 , 30, 792-802	7.5	32
508	Image-to-class distance ratio: A feature filtering metric for image classification. 2015 , 165, 211-221		1
507	PSABC: A hybrid algorithm based on particle swarm and artificial bee colony for high-dimensional optimization problems. <i>Expert Systems With Applications</i> , 2015 , 42, 8881-8895	7.8	112
506	A hybridization of clonal selection algorithm with iterated local search and variable neighborhood search for the feature selection problem. 2015 , 7, 181-201		13
505	A novel multi-parameter support vector machine for image classification. 2015 , 36, 1890-1906		11
504	Integrating Support Vector Regression with Particle Swarm Optimization for numerical modeling for algal blooms of freshwater. 2015 , 39, 5907-5916		13
503	Gaussian Transformation Based Representation in Particle Swarm Optimisation for Feature Selection. <i>Lecture Notes in Computer Science</i> , 2015 , 541-553	0.9	9
502	A Neighbourhood Based Hybrid Genetic Search Model for Feature Selection. <i>Lecture Notes in Computer Science</i> , 2015 , 421-431	0.9	
501	SVR-based identification of nonlinear roll motion equation for FPSOs in regular waves. 2015 , 109, 531-538		12
500	An Adaptive Support Vector Machine-Based Workpiece Surface Classification System Using High-Definition Metrology. 2015 , 64, 2590-2604		40

499	Stretching deep architectures for text recognition. 2015 ,		10
498	A chaos embedded GSA-SVM hybrid system for classification. <i>Neural Computing and Applications</i> , 2015 , 26, 713-721	4.8	34
497	A pharming attack hybrid detection model based on IP addresses and web content. 2015 , 126, 234-239		4
496	The effect of feature selection on financial distress prediction. 2015 , 73, 289-297		97
495	Recommendations for the tuning of rare event probability estimators. 2015 , 133, 68-78		7
494	Support vector machine with parameter optimization by a novel hybrid method and its application to fault diagnosis. 2015 , 149, 641-651		62
493	Identification of abrupt changes of the relationship between rainfall and runoff in the Wei River Basin, China. 2015 , 120, 299-310		22
492	A bumble bees mating optimization algorithm for the feature selection problem. 2016 , 7, 519-538		17
491	Classification of Gene Expression Data Using Multiobjective Differential Evolution. 2016 , 9, 1061		3
490	A new fuzzy membership assignment and model selection approach based on dynamic class centers for fuzzy SVM family using the firefly algorithm. 2016 , 24, 1797-1814		11
489	A Multifeatures Fusion and Discrete Firefly Optimization Method for Prediction of Protein Tyrosine Sulfation Residues. 2016 , 2016, 8151509		2
488	A Supervised Classification Method for Levee Slide Detection Using Complex Synthetic Aperture Radar Imagery. 2016 , 2, 26		2
487	Estimation of Electrically-Evoked Knee Torque from Mechanomyography Using Support Vector Regression. <i>Sensors</i> , 2016 , 16,	3.8	17
486	Integrated search technique for parameter determination of SVM for speech recognition. 2016 , 23, 1390-1398		2
485	Equipment Condition Diagnosis and Fault Fingerprint Extraction in Semiconductor Manufacturing. 2016 ,		7
484	Optimizing support vector machine parameters using cuckoo search algorithm via cross validation. 2016 ,		3
483	Support vectors machine classification of surface electromyography for non-invasive naturally controlled hand prostheses. 2016 , 2016, 788-791		8
482	Adjusted bat algorithm for tuning of support vector machine parameters. 2016 ,		21

481	A Wrapper Feature Selection Approach to Classification with Missing Data. <i>Lecture Notes in Computer Science</i> , 2016 , 685-700	0.9	8
480	Machine-learning models for on-site estimation of background concentrations of arsenic in soils using soil formation factors. 2016 , 16, 1787-1797		7
479	New mechanism for archive maintenance in PSO-based multi-objective feature selection. 2016 , 20, 3927-3946		29
478	Applications of Evolutionary Computation. <i>Lecture Notes in Computer Science</i> , 2016 ,	0.9	2
477	An effective intrusion detection framework based on MCLP/SVM optimized by time-varying chaos particle swarm optimization. 2016 , 199, 90-102		126
476	Study on network traffic forecast model of SVR optimized by GAFSA. 2016 , 89, 153-159		16
475	A memetic-based fuzzy support vector machine model and its application to license plate recognition. 2016 , 8, 235-251		20
474	Gene selection using information gain and improved simplified swarm optimization. 2016 , 218, 331-338		52
473	Feature vector regression with efficient hyperparameters tuning and geometric interpretation. 2016 , 218, 411-422		9
472	Improving performance for classification with incomplete data using wrapper-based feature selection. 2016 , 9, 81-94		18
471	An intelligent algorithm of Support Vector Regression parameters optimization in soft measurements. 2016 ,		
470	A comprehensive survey on hybridization of artificial bee colony with particle swarm optimization algorithm and ABC applications to data clustering. 2016 ,		2
469	Combining cloud computing, machine learning and heuristic optimization for investment opportunities forecasting. 2016 ,		2
468	Novel hybrid SVM-TLBO forecasting model incorporating dimensionality reduction techniques. 2016 , 45, 1148-1165		9
467	Calibration of erroneous branch parameters utilising learning automata theory. 2016 , 10, 3142-3151		4
466	Support vector regression for Hammerstein-Wiener model identification. 2016 ,		
465	An improved SVM using predator prey optimization and Hooke-Jeeves method for speech recognition. 2016 , 4,		
464	A Parallel Genetic Algorithm Based Feature Selection and Parameter Optimization for Support Vector Machine. 2016 , 2016, 1-10		17

463	Support vector machine parameter tuning using firefly algorithm. 2016 ,	37
462	Brain response pattern identification of fMRI data using a particle swarm optimization-based approach. 2016 , 3, 181-192	13
461	Rare-event probability estimation with adaptive support vector regression surrogates. 2016 , 150, 210-221	92
460	Advances in Swarm Intelligence. <i>Lecture Notes in Computer Science</i> , 2016 ,	0.9 1
459	Research on raw water quality assessment oriented to drinking water treatment based on the SVM model. 2016 , 16, 746-755	5
458	Real-Time Differential Global Poisoning System Stability and Accuracy Improvement by Utilizing Support Vector Machine. 2016 , 23, 66-81	6
457	Building an Intrusion Detection System Using a Filter-Based Feature Selection Algorithm. 2016 , 65, 2986-2998	286
456	Artificial immune system based on adaptive clonal selection for feature selection and parameters optimisation of support vector machines. 2016 , 28, 47-62	2
455	Pred-binding: large-scale protein-ligand binding affinity prediction. 2016 , 31, 1443-50	21
454	. 2016 , 20, 606-626	776
453	Scene Classification Based on Regularized Auto-Encoder and SVM. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 85-93	0.2
452	A hybrid particle swarm optimization for feature subset selection by integrating a novel local search strategy. <i>Applied Soft Computing Journal</i> , 2016 , 43, 117-130	7.5 215
451	Partial Discharge Recognition Reliability Considering the Influence of Multi-factors Based on the Two-directional Fuzzy-weighted Two-dimensional Principal Component Analysis Algorithm. 2016 , 44, 459-470	1
450	. 2016 , 65, 1393-1405	27
449	ECG-based heartbeat classification for arrhythmia detection: A survey. 2016 , 127, 144-64	390
448	Parameter optimization of software reliability growth model with S-shaped testing-effort function using improved swarm intelligent optimization. <i>Applied Soft Computing Journal</i> , 2016 , 40, 283-291	7.5 32
447	HMV: A medical decision support framework using multi-layer classifiers for disease prediction. 2016 , 13, 10-25	44
446	Support Vector Machine Modeling Using Particle Swarm Optimization Approach for the Retrieval of Atmospheric Ammonia Concentrations. 2016 , 21, 531-546	9

445	Comparison of different chemometric methods in quantifying total volatile basic-nitrogen (TVB-N) content in chicken meat using a fabricated colorimetric sensor array. 2016 , 6, 4663-4672		28
444	Particle swarm optimization for bandwidth determination and feature selection of kernel density estimation based classifiers in diagnosis of breast cancer. <i>Applied Soft Computing Journal</i> , 2016 , 40, 113-131	7.5	108
443	Financial credit risk assessment: a recent review. 2016 , 45, 1-23		73
442	Parameter Optimization of Support Vector Machine by Improved Ant Colony Optimization. 2016 , 671-678		2
441	Proportional Hybrid Mechanism for Population Based Feature Selection Algorithm. 2017 , 16, 1309-1338		4
440	Data mining in mining engineering: results of classification and clustering of shovels failures data. 2017 , 31, 105-118		14
439	Optimization of condition-based maintenance using soft computing. <i>Neural Computing and Applications</i> , 2017 , 28, 829-844	4.8	11
438	An adaptive surrogate model based on support vector regression and its application to the optimization of railway wind barriers. 2017 , 55, 701-713		33
437	A new maximum relevance-minimum multicollinearity (MRmMC) method for feature selection and ranking. 2017 , 67, 47-61		59
436	Subalpine and alpine vegetation classification based on hyperspectral APEX and simulated EnMAP images. 2017 , 38, 1839-1864		22
435	Classification of toxicity effects of biotransformed hepatic drugs using whale optimized support vector machines. 2017 , 68, 132-149		59
434	Automated screening of congestive heart failure using variational mode decomposition and texture features extracted from ultrasound images. <i>Neural Computing and Applications</i> , 2017 , 28, 2869-2878	4.8	20
433	Metaheuristic design of feedforward neural networks: A review of two decades of research. 2017 , 60, 97-116		239
432	A boosted decision tree approach using Bayesian hyper-parameter optimization for credit scoring. <i>Expert Systems With Applications</i> , 2017 , 78, 225-241	7.8	293
431	Prediction of groundwater levels using evidence of chaos and support vector machine. 2017 , 19, 586-606		48
430	A Case Study on a Combination NDVI Forecasting Model Based on the Entropy Weight Method. 2017 , 31, 3667-3681		40
429	A BPSO-SVM algorithm based on memory renewal and enhanced mutation mechanisms for feature selection. <i>Applied Soft Computing Journal</i> , 2017 , 58, 176-192	7.5	56
428	Mixed kernel function support vector regression for global sensitivity analysis. 2017 , 96, 201-214		66

427	A GA-LR wrapper approach for feature selection in network intrusion detection. <i>Computers and Security</i> , 2017 , 70, 255-277	4.9	139
426	A novel methodology for stock investment using high utility episode mining and genetic algorithm. <i>Applied Soft Computing Journal</i> , 2017 , 59, 303-315	7.5	12
425	Measurement of absolute displacement based on dual-path submicron-aperture fiber point-diffraction interferometer. 2017 , 140, 802-811		2
424	Remote sensing image classification based on the optimal support vector machine and modified binary coded ant colony optimization algorithm. 2017 , 402, 50-68		66
423	Feature selection and ensemble construction: A two-step method for aspect based sentiment analysis. 2017 , 125, 116-135		82
422	Modified genetic algorithm-based feature selection combined with pre-trained deep neural network for demand forecasting in outpatient department. <i>Expert Systems With Applications</i> , 2017 , 82, 216-230	7.8	78
421	Ramp loss K-Support Vector Classification-Regression; a robust and sparse multi-class approach to the intrusion detection problem. 2017 , 126, 113-126		64
420	A comparative study of multiple linear regression, artificial neural network and support vector machine for the prediction of dissolved oxygen. 2017 , 48, 1214-1225		37
419	Kernel-based learning and feature selection analysis for cancer diagnosis. <i>Applied Soft Computing Journal</i> , 2017 , 51, 39-48	7.5	53
418	A novel approach for dimension reduction of microarray. 2017 , 71, 161-169		32
417	Applying particle swarm optimization to the motion-cueing-algorithm tuning problem. 2017 ,		2
416	Gait Recognition Using GA-SVM Method Based on Electromyography Signal. <i>Lecture Notes in Computer Science</i> , 2017 , 313-322	0.9	1
415	Prediction Modeling Framework With Bootstrap Aggregating for Noisy Resistance Spot Welding Data. 2017 , 139,		8
414	An effective intrusion detection framework based on SVM with feature augmentation. 2017 , 136, 130-139		124
413	Feature selection using stochastic diffusion search. 2017 ,		3
412	Raw water quality assessment oriented to the drinking water treatment based on SVM model. 2017 ,		1
411	Capacity Prognostics of Lithium-Ion Batteries using EMD Denoising and Multiple Kernel RVM. 2017 , 5, 12061-12070		35
410	Plant Bioinformatics. 2017 ,		2

409	A New Proposed Model for Plant Diseases Monitoring Based on Data Mining Techniques. 2017 , 179-195	1
408	Regression Estimation Combined with Conformal Mapping and Boundary Extracting and It's Application. 2017 ,	
407	An Adaptive Particle Swarm Algorithm for Unconstrained Global Optimization of Multimodal Functions. 2017 ,	5
406	Coevolution of mapping functions for linear SVM. 2017 ,	0
405	An efficient intrusion detection system based on hypergraph - Genetic algorithm for parameter optimization and feature selection in support vector machine. 2017 , 134, 1-12	115
404	A new hybrid approach for feature selection and support vector machine model selection based on self-adaptive cohort intelligence. <i>Expert Systems With Applications</i> , 2017 , 88, 118-131	7.8 40
403	An exploratory study for software change prediction in object-oriented systems using hybridized techniques. 2017 , 24, 673-717	22
402	Advances in Monitoring and Modelling Algal Blooms in Freshwater Reservoirs. 2017 ,	1
401	An EnKF-based scheme to optimize hyper-parameters and features for SVM classifier. 2017 , 62, 202-213	14
400	A BA-based algorithm for parameter optimization of Support Vector Machine. 2017 , 93, 13-22	93
399	An SVM parameter learning algorithm scalable on large data size for driver fatigue detection. 2017 ,	4
398	A New Hybrid Intelligent Framework for Predicting Parkinson's Disease. 2017 , 5, 17188-17200	42
397	ICU mortality prediction using modified cost-sensitive PCA and chaos PSO. 2017 ,	
396	An improved particle swarm optimization of support vector machine parameters for hyperspectral image classification. 2017 ,	
395	Parallelized FPA-SVM: Parallelized parameter selection and classification using Flower Pollination Algorithm and Support Vector Machine. 2017 ,	0
394	The Improved Particle Swarm Optimization for Feature Selection of Support Vector Machine. 2017 ,	
393	Effective wind speed estimation based maximum power point tracking control for variable-speed wind turbine. 2017 ,	2
392	Optimum feature selection using new ternary particle swarm optimization in two phases. 2017 , 33, 2095-2107	3

391	Hybrid algorithm for two-objective software defect prediction problem. 2017 , 8, 207	4
390	References. 2017 , 327-342	
389	Self-Adaptive Pre-Processing Methodology for Big Data Stream Mining in Internet of Things Environmental Sensor Monitoring. 2017 , 9, 244	10
388	Chaos-enhanced Stochastic Fractal Search algorithm for Global Optimization with Application to Fault Diagnosis. 2017 , 210, 012060	
387	A Method to Remotely Track a Magnetic Target Using a Scalar Magnetometer Array. 2017 , 2017, 1-9	1
386	A Multiple Core Execution for Multiobjective Binary Particle Swarm Optimization Feature Selection Method with the Kernel P System Framework. 2017 , 2017, 1-14	1
385	Hybrid Disease Diagnosis Using Multiobjective Optimization with Evolutionary Parameter Optimization. 2017 , 2017, 5907264	19
384	Optimization of Virtual Resources Provisioning for Cloud Applications to Cope with Traffic Burst. 2017 ,	2
383	Sparse filtering based intelligent fault diagnosis using IPSO-SVM. 2017 ,	2
382	Mixed-variable ant colony optimisation algorithm for feature subset selection and tuning support vector machine parameter. 2017 , 9, 53	8
381	Enhancement web proxy cache performance using Wrapper Feature Selection methods with NB and J48. 2017 , 260, 012012	1
380	Online-Purchasing Behavior Forecasting with a Firefly Algorithm-based SVM Model Considering Shopping Cart Use. 2017 , 13,	3
379	Automated Scoring of Chinese Engineering Students' English Essays. 2017 , 15, 52-68	5
378	A novel hybrid model using teaching-learning-based optimization and a support vector machine for commodity futures index forecasting. 2018 , 9, 97-111	64
377	Optimal Hyper-Parameter Tuning of SVM Classifiers With Application to Medical Diagnosis. 2018 , 6, 7164-7176	39
376	A novel chaotic salp swarm algorithm for global optimization and feature selection. 2018 , 48, 3462-3481	197
375	Geographical Authentication of Gentiana Rigescens by High-Performance Liquid Chromatography and Infrared Spectroscopy. 2018 , 51, 2173-2191	14
374	Information gain directed genetic algorithm wrapper feature selection for credit rating. <i>Applied Soft Computing Journal</i> , 2018 , 69, 541-553	7.5 102

373	Gradient Evolution-based Support Vector Machine Algorithm for Classification. 2018 , 319, 012062		1
372	A particle swarm approach for tuning washout algorithms in vehicle simulators. <i>Applied Soft Computing Journal</i> , 2018 , 68, 125-135	7.5	12
371	Mortality prediction based on imbalanced high-dimensional ICU big data. 2018 , 98, 218-225		17
370	Hybrid approach of improved binary particle swarm optimization and shuffled frog leaping for feature selection. 2018 , 67, 497-508		46
369	Simultaneous Feature Selection and Support Vector Machine Optimization Using the Grasshopper Optimization Algorithm. 2018 , 10, 478-495		133
368	An Improved Firefly Algorithm for Feature Selection in Classification. 2018 , 102, 2823-2834		13
367	Multi-objective simplified swarm optimization with weighting scheme for gene selection. <i>Applied Soft Computing Journal</i> , 2018 , 65, 58-68	7.5	15
366	MR-TP-QFPSO: map reduce two phases quantum fuzzy PSO for feature selection. 2018 , 9, 888-900		1
365	Five discrete symbiotic organisms search algorithms for simultaneous optimization of feature subset and neighborhood size of KNN classification models. <i>Applied Soft Computing Journal</i> , 2018 , 64, 581-595	7.5	21
364	Recognizing human activity in mobile crowdsensing environment using optimized k -NN algorithm. <i>Expert Systems With Applications</i> , 2018 , 107, 32-44	7.8	77
363	BEATS: Blocks of Eigenvalues Algorithm for Time Series Segmentation. 2018 , 1-1		10
362	Tuned support vector regression by modified particle swarm optimization for online power system static security evaluation. 2018 ,		2
361	Tracking of moving magnetic target based on magnetic gradient system with total field magnetometers. 2018 , 38, 501-508		2
360	Improving low cost sensor based vehicle positioning with Machine Learning. 2018 , 74, 168-176		8
359	Sustainable energy saving: A junction temperature numerical calculation method for power insulated gate bipolar transistor module. 2018 , 185, 198-210		8
358	Two combined forecasting models based on singular spectrum analysis and intelligent optimized algorithm for short-term wind speed. <i>Neural Computing and Applications</i> , 2018 , 30, 1-19	4.8	38
357	A multi-verse optimizer approach for feature selection and optimizing SVM parameters based on a robust system architecture. <i>Neural Computing and Applications</i> , 2018 , 30, 2355-2369	4.8	112
356	Feature Selection Using Harmony Search for Script Identification from Handwritten Document Images. 2018 , 27, 465-488		8

355	A multi-objective genetic algorithm for simultaneous model and feature selection for support vector machines. 2018 , 50, 261-281		21
354	A parsimonious SVM model selection criterion for classification of real-world data sets via an adaptive population-based algorithm. <i>Neural Computing and Applications</i> , 2018 , 30, 3421-3429	4.8	4
353	A Feature Selection and Classification Algorithm Based on Randomized Extraction of Model Populations. 2018 , 48, 1151-1162		18
352	A novel differential particle swarm optimization for parameter selection of support vector machines for monitoring metal-oxide surge arrester conditions. 2018 , 38, 120-126		27
351	Novel genetic ensembles of classifiers applied to myocardium dysfunction recognition based on ECG signals. 2018 , 39, 192-208		95
350	Adaptive sparse polynomial chaos expansions for global sensitivity analysis based on support vector regression. 2018 , 194, 86-96		72
349	A new feature selection method to improve the document clustering using particle swarm optimization algorithm. 2018 , 25, 456-466		309
348	Feature selection for entity extraction from multiple biomedical corpora: A PSO-based approach. 2018 , 22, 6881-6904		17
347	Novel methodology of cardiac health recognition based on ECG signals and evolutionary-neural system. <i>Expert Systems With Applications</i> , 2018 , 92, 334-349	7.8	126
346	Parameter Optimization of Support Vector Machine Using Dragonfly Algorithm. 2018 , 309-319		16
345	A two-dimensional (2-D) learning framework for Particle Swarm based feature selection. 2018 , 76, 416-433		20
344	Automatic equipment fault fingerprint extraction for the fault diagnostic on the batch process data. <i>Applied Soft Computing Journal</i> , 2018 , 68, 972-989	7.5	14
343	A Review on Conventional Machine Learning vs Deep Learning. 2018 ,		27
342	A Comparative Analysis of Hyperopt as Against Other Approaches for Hyper-Parameter Optimization of XGBoost. 2018 ,		21
341	Probabilistic PCA-Support Vector Machine Based Fault Diagnosis of Single Phase 5-Level Cascaded H-Bridge MLI. 2018 ,		2
340	Feature selection based on binary particle swarm optimisation and neural networks for pathological voice detection. 2018 , 11, 91		3
339	Comparison of Support Vector Machine-Based Techniques for Detection of Bearing Faults. 2018 , 2018, 1-13		1
338	Research on Traffic Speed Prediction by Temporal Clustering Analysis and Convolutional Neural Network With Deformable Kernels (May, 2018). 2018 , 6, 51756-51765		16

337	Astrophysics inspired multi-objective approach for automatic clustering and feature selection in real-life environment. 2018 , 32, 1850385		31
336	Improving the Performance of Sigmoid Kernels in Multiclass SVM Using Optimization Techniques for Agricultural Fertilizer Recommendation System. <i>Communications in Computer and Information Science</i> , 2018 , 857-868	0.3	4
335	An Enhanced Region Proposal Network for object detection using deep learning method. 2018 , 13, e0203897		8
334	Forecasting of Short-Term Metro Ridership with Support Vector Machine Online Model. 2018 , 2018, 1-13		19
333	An Effective Metaheuristic Algorithm for Intrusion Detection System. 2018 ,		2
332	Swarm Intelligence Algorithms for Feature Selection: A Review. 2018 , 8, 1521		128
331	Enriching the random subspace method with margin theory as a solution for the high-dimensional classification task. 2018 , 30, 409-424		1
330	A Novel Bacterial Algorithm for Parameter Optimization of Support Vector Machine. 2018 ,		1
329	Support vector regression-based imputation in analogy-based software development effort estimation. 2018 , 30, e2114		10
328	Non-linear MIMO identification of a Phantom Omni using LS-SVR with a hybrid model selection. 2018 , 12, 678-683		2
327	SVM Parameter Optimization Using Swarm Intelligence for Learning from Big Data. <i>Lecture Notes in Computer Science</i> , 2018 , 469-478	0.9	1
326	Pipeline abnormal classification based on support vector machine using FBG hoop strain sensor. 2018 , 170, 328-338		3
325	A Data Mining Framework for Glaucoma Decision Support Based on Optic Nerve Image Analysis Using Machine Learning Methods.. 2018 , 2, 370-401		3
324	Traceability of wild <i>Paris polyphylla</i> Smith var. <i>yunnanensis</i> based on data fusion strategy of FT-MIR and UV-Vis combined with SVM and random forest. 2018 , 205, 479-488		26
323	SVR optimization with soft computing algorithms for incipient SGTR diagnosis. 2018 , 121, 89-100		23
322	Combining Generalized Renewal Processes with Non-Extensive Entropy-Based q-Distributions for Reliability Applications. 2018 , 20,		4
321	Chaotic antlion algorithm for parameter optimization of support vector machine. 2018 , 48, 670-686		65
320	A Comparison Study of Kernel Functions in the Support Vector Machine and Its Application for Termite Detection. 2018 , 9, 5		66

319	Virtual Sensor of Surface Electromyography in a New Extensive Fault-Tolerant Classification System. <i>Sensors</i> , 2018 , 18,	3.8	11
318	Automated Machine Learning Algorithm Mining for Classification Problem. <i>Lecture Notes in Computer Science</i> , 2018 , 380-392	0.9	
317	A Novel Feature Selection Method Based on Extreme Learning Machine and Fractional-Order Darwinian PSO. 2018 , 2018, 5078268		18
316	High-dimensional supervised feature selection via optimized kernel mutual information. <i>Expert Systems With Applications</i> , 2018 , 108, 81-95	7.8	11
315	Computational Intelligence in Smart Grid Environment. 2018 , 23-59		6
314	Feature Selection Method Using BPSO-EA with ENN Classifier. 2018 ,		4
313	Invasive weed optimization for optimizing one-agar-for-all classification of bacterial colonies based on hyperspectral imaging. 2018 , 269, 264-270		9
312	Virtual field method for identifying elastic-plastic constitutive parameters of aluminum alloy laser welding considering kinematic hardening. 2018 , 110, 122-131		8
311	Enhancing support vector machine model for stock trading using optimization techniques. 2018 ,		0
310	Ramp loss one-class support vector machine; A robust and effective approach to anomaly detection problems. 2018 , 310, 223-235		45
309	Advances in Data and Information Sciences. <i>Lecture Notes in Networks and Systems</i> , 2019 ,	0.5	1
308	A comprehensive survey on network anomaly detection. 2019 , 70, 447-489		79
307	Swarm Intelligence for Feature Selection: A Review of Literature and Reflection on Future Challenges. <i>Lecture Notes in Networks and Systems</i> , 2019 , 211-221	0.5	8
306	Chaotic dragonfly algorithm: an improved metaheuristic algorithm for feature selection. 2019 , 49, 188-205		104
305	Furnace operation optimization with hybrid model based on mechanism and data analytics. 2019 , 23, 9551-9571		5
304	A modified building energy model coupled with urban parameterization for estimating anthropogenic heat in urban areas. 2019 , 202, 109377		7
303	Semi-supervised learning with convolutional neural networks for UAV images automatic recognition. 2019 , 164, 104932		18
302	Optimizing Node Localization in Wireless Sensor Networks Based on Received Signal Strength Indicator. 2019 , 7, 73880-73889		12

301	A Mutated Salp Swarm Algorithm for Optimization of Support Vector Machine Parameters. 2019,	2
300	A hybrid energy management approach for home appliances using climatic forecasting. 2019, 12, 1033-1045	5
299	An Automatic Approach Using ELM Classifier for HFpEF Identification Based on Heart Sound Characteristics. 2019, 43, 285	6
298	A novel hybrid feature selection strategy in quantitative analysis of laser-induced breakdown spectroscopy. 2019, 1080, 35-42	41
297	Sec-IoV. 2019,	9
296	Prediction of Ultimate Axial Capacity of Square Concrete-Filled Steel Tubular Short Columns Using a Hybrid Intelligent Algorithm. 2019, 9, 2802	22
295	A Hybrid Intelligent Approach for Classification of Incipient Faults in Transmission Network. 2019, 34, 1785-1794	6
294	Comparison of daily streamflow forecasts using extreme learning machines and the random forest method. 2019, 64, 1857-1866	17
293	High Definition Metrology Based Surface Quality Control and Applications. 2019,	3
292	The Latest Research Progress of Green Building Materials in Lead and Zinc Tailings. 2019, 267, 052024	3
291	Research on Adaptive SVR Indoor Location Based on GA Optimization. 2019, 109, 1095-1120	6
290	Unsupervised Change Detection in VHR Images Based on Morphological Profiles and Automated Training Sample Extraction. 2019,	
289	A SVM-PSO Classifier for Robot Motion in Environment with Obstacles. 2019,	1
288	Study on the Influence of Agricultural Eco-Environment on the Competitiveness of Agricultural Products E-Commerce Brands in Jilin Province. 2019, 252, 052056	2
287	Evolutionarily-tuned support vector machines. 2019,	1
286	SVM-based hybrid approach for corridor-level travel-time estimation. 2019, 13, 1429-1439	11
285	Vehicle Classification Based on Feature Selection With Anisotropic Magnetoresistive Sensor. 2019, 19, 9976-9982	6
284	Improved Malware Detection Model with Apriori Association Rule and Particle Swarm Optimization. 2019, 2019, 1-13	9

283	Quantitative real-time release testing of rhubarb based on near-infrared spectroscopy and method validation. 2019 , 104, 102964		7
282	Optimization of Hyperparameters and Feature Selection for Random Forests and Support Vector Machines by Artificial Bee Colony Algorithm. 2019 , 34, G-I36_1-11		1
281	Quantum-Behaved Particle Swarm Optimization for Parameter Optimization of Support Vector Machine. 2019 , 36, 576-598		29
280	Parameter investigation of support vector machine classifier with kernel functions. 2019 , 61, 1269-1302		48
279	Dynamic Modeling of Wind Turbines Based on Estimated Wind Speed under Turbulent Conditions. 2019 , 12, 1907		19
278	DA-Based Parameter Optimization of Combined Kernel Support Vector Machine for Cancer Diagnosis. <i>Processes</i> , 2019 , 7, 263	2.9	10
277	Modern Machine Learning Techniques for Univariate Tunnel Settlement Forecasting: A Comparative Study. 2019 , 2019, 1-12		22
276	Novel machine learning approach for classification of high-dimensional microarray data. 2019 , 23, 13409-13421		21
275	Speed up grid-search for parameter selection of support vector machines. <i>Applied Soft Computing Journal</i> , 2019 , 80, 202-210	7.5	62
274	A novel model modification method for support vector regression based on radial basis functions. 2019 , 60, 983-997		4
273	Computational Intelligence on Short-Term Load Forecasting: A Methodological Overview. 2019 , 12, 393		48
272	TTPA: a two tiers PSO architecture for dimensionality reduction. 2019 , 13, 119		4
271	Optimal selection of ensemble classifiers using particle swarm optimization and diversity measures. 2019 , 13, 131-137		1
270	Research on Quantitative Investment Strategies Based on Deep Learning. 2019 , 12, 35		7
269	Load forecasting for cloud computing based on wavelet support vector machine. 2019 , 14, 315		2
268	A New Approach Towards the Combined Algorithm Selection and Hyper-parameter Optimization Problem. 2019 ,		1
267	Predicting Model based on LS-SVM for Inulinase Concentration during <i>Pichia Pastoris</i> Fermentation Process. 2019 ,		
266	Two-dimensional MUSIC Spectral Peak Search Algorithm Based on Improved Chicken Swarm Optimization. 2019 ,		0

265	Efficient Feature Selection Algorithm Based on Particle Swarm Optimization With Learning Memory. 2019 , 7, 166066-166078		12
264	Dragonfly Algorithm and Its Applications in Applied Science Survey. 2019 , 2019, 9293617		47
263	Binary Owl Search Algorithm for Feature Subset Selection. 2019 ,		2
262	Visible-Near Infrared Spectroscopy and Chemometric Methods for Wood Density Prediction and Origin/Species Identification. 2019 , 10, 1078		11
261	Automated Optimization of Non-linear Support Vector Machines for Binary Classification. 2019 , 504-513		2
260	Integrated Intrusion Detection Model Using Chi-Square Feature Selection and Ensemble of Classifiers. 2019 , 44, 3357-3368		28
259	A new hybrid firefly algorithm and particle swarm optimization for tuning parameter estimation in penalized support vector machine with application in chemometrics. 2019 , 184, 142-152		31
258	The Issue of Automatic Classification of Heartbeats. 2019 , 169-193		
257	On the optimization of the support vector machine regression hyperparameters setting for gas sensors array applications. 2019 , 184, 22-27		30
256	Mixed grey wolf optimizer for the joint denoising and unmixing of multispectral images. <i>Applied Soft Computing Journal</i> , 2019 , 74, 385-410	7.5	21
255	A modification of the bootstrapping soft shrinkage approach for spectral variable selection in the issue of over-fitting, model accuracy and variable selection credibility. 2019 , 210, 362-371		8
254	Intelligent controller modelling for steerable robotic bar using bio-inspired control synthesis. 2019 , 25, 1493-1504		2
253	Optimizing Support Vector Machine Parameters Using Bat Optimization Algorithm. <i>Studies in Computational Intelligence</i> , 2019 , 351-374	0.8	2
252	Support vector regression with modified firefly algorithm for stock price forecasting. 2019 , 49, 1658-1674		34
251	Differential evolution for feature selection: a fuzzy wrapper filter approach. 2019 , 23, 5233-5248		29
250	Assessment of the risk factors for type II diabetes using an improved combination of particle swarm optimization and decision trees by evaluation with Fisher's linear discriminant analysis. 2019 , 23, 9995-10017		8
249	Automatic identification of epileptic EEG signals through binary magnetic optimization algorithms. <i>Neural Computing and Applications</i> , 2019 , 31, 1317-1329	4.8	10
248	A multiple heterogeneous kernel RVM approach for analog circuit fault prognostic. 2019 , 22, 3849-3861		4

247	Feature selection via a novel chaotic crow search algorithm. <i>Neural Computing and Applications</i> , 2019 , 31, 171-188	4.8	227
246	A greedy particle swarm optimization (GPSO) algorithm for testing real-world smart card applications. 2020 , 22, 183-194		0
245	Investigating the impact of data normalization on classification performance. <i>Applied Soft Computing Journal</i> , 2020 , 97, 105524	7.5	156
244	On identification of driving-induced stress using electroencephalogram signals: A framework based on wearable safety-critical scheme and machine learning. 2020 , 53, 66-79		67
243	Parameters optimization of support vector machines for imbalanced data using social ski driver algorithm. <i>Neural Computing and Applications</i> , 2020 , 32, 6925-6938	4.8	35
242	Hybrid self-inertia weight adaptive particle swarm optimisation with local search using C4.5 decision tree classifier for feature selection problems. 2020 , 32, 16-36		17
241	Man-Machine Interactions 6. 2020 ,		
240	A novel multi-strategy DE algorithm for parameter optimization in support vector machine. 2020 , 54, 527-543		3
239	New feature selection methods based on opposition-based learning and self-adaptive cohort intelligence for predicting patient no-shows. <i>Applied Soft Computing Journal</i> , 2020 , 86, 105866	7.5	24
238	Application of Authentication Evaluation Techniques of Ethnobotanical Medicinal Plant Genus : A Review. 2020 , 50, 405-423		11
237	IoT with cloud based lung cancer diagnosis model using optimal support vector machine. 2020 , 23, 670-679		9
236	Supervised machine learning techniques and genetic optimization for occupational diseases risk prediction. 2020 , 24, 4393-4406		13
235	Understanding the thermal evolution of defects in carbon-implanted ZnO single crystal. 2020 , 46, 672-677		3
234	Evolutionary Machine Learning Techniques. 2020 ,		5
233	Exploration research on the fusion of multimodal spectrum technology to improve performance of rapid diagnosis scheme for thyroid dysfunction. 2020 , 13, e201900099		21
232	Optimized Support Vector Machine Assisted BOTDA for Temperature Extraction With Accuracy Enhancement. 2020 , 12, 1-14		4
231	A grid-quadtrees model selection method for support vector machines. <i>Expert Systems With Applications</i> , 2020 , 146, 113172	7.8	6
230	Evolving deep learning architectures for network intrusion detection using a double PSO metaheuristic. 2020 , 168, 107042		62

229	Joint Design of the Hardware and the Software of a Radar System with the Mixed Grey Wolf Optimizer: Application to Security Check. 2020 , 12, 3097	1
228	Exploratory Study on Screening Chronic Renal Failure Based on Fourier Transform Infrared Spectroscopy and a Support Vector Machine Algorithm. 2020 , 2020, 1-7	2
227	Multi-Sensor Image Fusion Using Optimized Support Vector Machine and Multiscale Weighted Principal Component Analysis. 2020 , 9, 1531	4
226	Hyperparameter Optimization for Multi-Layer Data Input Using Genetic Algorithm. 2020 ,	3
225	IBDA: Improved Binary Dragonfly Algorithm With Evolutionary Population Dynamics and Adaptive Crossover for Feature Selection. 2020 , 8, 108032-108051	9
224	Artificial intelligence in healthcare operations to enhance treatment outcomes: a framework to predict lung cancer prognosis. 2020 , 1	5
223	Enhanced Support Vector Machine based on Metaheuristic Search for Multiclass Problems. 2020 , 16, 871-885	
222	A particle swarm optimised support vector regression for short-term load forecasting. 2020 , 16, 399	2
221	Comparison study of classification methods of intramuscular electromyography data for non-human primate model of traumatic spinal cord injury. 2020 , 234, 955-965	1
220	. 2020 , 8, 132592-132602	3
219	A New Approach for Feature Subset Selection using Quantum Inspired Owl Search Algorithm. 2020 ,	1
218	Regional Mapping of Vineyards Using Machine Learning and LiDAR Data. 2020 , 11, 1-22	1
217	QPSO-CD: quantum-behaved particle swarm optimization algorithm with Cauchy distribution. 2020 , 19, 1	3
216	KPLS Optimization With Nature-Inspired Metaheuristic Algorithms. 2020 , 8, 157482-157492	3
215	Binary BAT algorithm and RBFN based hybrid credit scoring model. 2020 , 79, 31889-31912	7
214	Classification of multicategory edible fungi based on the infrared spectra of caps and stalks. 2020 , 15, e0238149	5
213	A Hybrid Chaotic Particle Swarm Optimization with Differential Evolution for feature selection. 2020 ,	5
212	Detection of Peach Disease Image Based on Asymptotic Non-Local Means and PCNN-IPELM. 2020 , 8, 136421-136433	6

211	Least-Square Support Vector Machine (LS-SVM) Parameters Optimization using Hybrid Cuckoo Search and Harmony Search Algorithm for Pre Collision Warning on Driver Assistance System (DAS). 2020 , 1577, 012009	
210	Bibliography. 2020 , 613-678	
209	Parameters Optimization of Elastic NET for High Dimensional Data using PSO Algorithm. 2020 ,	3
208	A Hybrid PSO-ANN-Based Fault Classification System for EHV Transmission Lines. 2020 , 1-14	3
207	Employing particle swarm optimization algorithm for shrinkage parameter estimation in generalized Liu estimator. 2020 , 8, 10	
206	Dragonfly-Support Vector Machine for Regression Modeling of the Activity Coefficient at Infinite Dilution of Solutes in Imidazolium Ionic Liquids Using EProfile Descriptors. 2020 , 65, 3161-3172	10
205	Recognition of the parkinson's disease using a hybrid feature selection approach. 2020 , 39, 1319-1339	5
204	Measuring grinding surface roughness based on singular value entropy of quaternion. 2020 , 31, 115006	6
203	Post Prognostic Decision for Predictive Maintenance Planning with Remaining Useful Life Uncertainty. 2020 ,	4
202	Feature Engineering and Computational Intelligence in ECG Monitoring. 2020 ,	0
201	Biomedical Classification Problems Automatically Solved by Computational Intelligence Methods. 2020 , 8, 101104-101117	1
200	Distributed Applications and Interoperable Systems. <i>Lecture Notes in Computer Science</i> , 2020 ,	0.9
199	Sensorless Active and Reactive Control for DFIG Wind Turbines Using Opposition-Based Learning Technique. 2020 , 12, 3583	17
198	Condition Monitoring of DC-Link Electrolytic Capacitors in PWM Power Converters Using OBL Method. 2020 , 12, 3719	4
197	Novel approach with nature-inspired and ensemble techniques for optimal text classification. 2020 , 79, 23821-23848	5
196	Fully Automated Bone Age Assessment on Large-Scale Hand X-Ray Dataset. 2020 , 2020, 8460493	14
195	KPLS optimization approach using genetic algorithms. 2020 , 170, 1153-1160	5
194	A survey on swarm intelligence approaches to feature selection in data mining. 2020 , 54, 100663	86

193	Particle Swarm Optimization-Based SVM for Classification of Cable Surface Defects of the Cable-Stayed Bridges. 2020 , 8, 44485-44492	10
192	Hyperparameter Optimization Using a Genetic Algorithm Considering Verification Time in a Convolutional Neural Network. 2020 , 15, 721-726	15
191	Heterogeneous multiple kernel learning for breast cancer outcome evaluation. 2020 , 21, 155	1
190	Structural Health-Monitoring and Assessment in Tunnels: Hybrid Simulation Approach. 2020 , 34, 04020045	5
189	A new BAT optimization algorithm based feature selection method for electrocardiogram heartbeat classification using empirical wavelet transform and Fisher ratio. 2020 , 11, 2439-2452	2
188	Power System Security Assessment and Enhancement: A Bibliographical Survey. 2020 , 101, 163-176	2
187	A framework for the optimal integration of solar assisted district heating in different urban sized communities: A robust machine learning approach incorporating global sensitivity analysis. 2020 , 267, 114903	17
186	Prediction of offshore wind farm power using a novel two-stage model combining kernel-based nonlinear extension of the Arps decline model with a multi-objective grey wolf optimizer. 2020 , 127, 109856	23
185	A cooperative coevolutionary method for optimizing random weight networks and its application for medical classification problems. 2021 , 12, 321-342	3
184	Review on Machine Learning Algorithm Based Fault Detection in Induction Motors. 2021 , 28, 1929-1940	18
183	A clustering based variable sub-window approach using particle swarm optimisation for biomedical sensor data monitoring. 2021 , 15, 15-35	4
182	Complement component face space for 3D face recognition from range images. 2021 , 51, 2500-2517	2
181	Feature selection in classification using self-adaptive owl search optimization algorithm with elitism and mutation strategies. 2021 , 40, 535-550	1
180	Hybridization of Moth flame optimization algorithm and quantum computing for gene selection in microarray data. 2021 , 12, 2731-2750	13
179	Multi-Stage Optimized Machine Learning Framework for Network Intrusion Detection. 2021 , 18, 1803-1816	40
178	Improved Outcome Prediction Across Data Sources Through Robust Parameter Tuning. 2021 , 38, 212-231	1
177	A Bayesian Belief Network-based probabilistic mechanism to determine patient no-show risk categories. 2021 , 100, 102296	9
176	Gene selection and classification of microarray data method based on mutual information and moth flame algorithm.. <i>Expert Systems With Applications</i> , 2021 , 166, 114012	7.8 14

175	Hyperparameters tuning of ensemble model for software effort estimation. 2021 , 12, 6579-6589	3
174	Application of incremental support vector regression based on optimal training subset and improved particle swarm optimization algorithm in real-time sensor fault diagnosis. 2021 , 51, 3323-3338	6
173	Geographical traceability of <i>Eucommia ulmoides</i> leaves using attenuated total reflection Fourier transform infrared and ultraviolet-visible spectroscopy combined with chemometrics and data fusion. 2021 , 160, 113090	3
172	Identification of architectural elements based on SVM with PCA: A case study of sandy braided river reservoir in the Lamadian Oilfield, Songliao Basin, NE China. 2021 , 198, 108247	2
171	Dynamic intelligent risk assessment of hazardous chemical warehouse fire based on electrostatic discharge method and improved support vector machine. 2021 , 145, 425-434	6
170	Multi-objective symbiotic organism search algorithm for optimal feature selection in brain computer interfaces. <i>Expert Systems With Applications</i> , 2021 , 165, 113907	7.8 6
169	Nature Inspired Techniques and Applications in Intrusion Detection Systems: Recent Progress and Updated Perspective. 2021 , 28, 2897-2919	0
168	A multi-objective feature selection method based on bacterial foraging optimization. 2021 , 20, 63-76	7
167	Development and performance evaluation of hybrid KELM models for forecasting of agro-commodity price. 2021 , 14, 529-544	5
166	Online Prediction of Ship Roll Motion in Waves Based on Auto-Moving Gird Search-Least Square Support Vector Machine. 2021 , 2021, 1-11	1
165	P System as a Computing Tool for Embedded Feature Selection and Classification Method for Microarray Cancer Data. <i>Lecture Notes in Computer Science</i> , 2021 , 94-125	0.9
164	Fault diagnosis in industrial processes based on predictive and descriptive machine learning methods. 2021 , 207-254	0
163	Research on Intelligent Optimization Method of Grid Communication Server Based on Support Vector Machine. 2021 , 323-331	
162	Short-Term Load Forecasting Using Time Series Algorithm. 2021 ,	1
161	BAT algorithm based feature selection: Application in credit scoring. 2021 , 1-10	1
160	Visualization and Mapping of Knowledge and Science Landscapes in Expert Systems With Applications Journal: A 30 Years Bibliometric Analysis. 2021 , 11, 215824402110275	2
159	A novel hybrid PSO-based metaheuristic for costly portfolio selection problems. 2021 , 304, 109-137	7
158	Fault detection in mixture production process based on wavelet packet and support vector machine. 2021 , 40, 10235-10249	0

157	Quantitative Structure-Activity Relationship Modeling Based on Improving Penalized Linear Regression Model. 2021 , 1897, 012016		
156	Terrain Proxy-Based Site Classification for Seismic Zonation in North Korea within a Geospatial Data-Driven Workflow. 2021 , 13, 1844		1
155	Evolutionary-based Hyperparameter Tuning in Machine Learning Models for Condition Monitoring in Wind Turbines [A Survey]. 2021 ,		2
154	Nondestructive qualitative and quantitative analysis of Yaobitong capsule using near-infrared spectroscopy in tandem with chemometrics. 2021 , 252, 119517		1
153	How to tune the RBF SVM hyperparameters? An empirical evaluation of 18 search algorithms. 2021 , 54, 4771-4797		5
152	Empiric Unsupervised Drifts Correction Method of Electrochemical Sensors for in Field Nitrogen Dioxide Monitoring. <i>Sensors</i> , 2021 , 21,	3.8	5
151	A novel multi population based particle swarm optimization for feature selection. 2021 , 219, 106894		10
150	Rapid mechanical evaluation of the engine hood based on machine learning. 2021 , 43, 1		2
149	Influence of Dilatancy Behavior on the Numerical Modeling and Prediction of Slope Stability of Stabilized Expansive Soil Slope. 2021 , 46, 11387		1
148	A novel approach for facial expression recognition based on Gabor filters and genetic algorithm. 1		4
147	Short-term volatility forecasting with kernel support vector regression and Markov switching multifractal model. 1-13		
146	A new multi-objective binary Harris Hawks optimization for gene selection in microarray data. 1		0
145	Prediction of the failure point settlement in rockfill dams based on spatial-temporal data and multiple-monitoring-point models. 2021 , 243, 112658		4
144	Human serum mid-infrared spectroscopy combined with machine learning algorithms for rapid detection of gliomas. 2021 , 35, 102308		2
143	A stock selection algorithm hybridizing grey wolf optimizer and support vector regression. <i>Expert Systems With Applications</i> , 2021 , 179, 115078	7.8	12
142	COVID-19 prediction based on genome similarity of human SARS-CoV-2 and bat SARS-CoV-like coronavirus. 2021 , 161, 107666		3
141	A review of the hybrid artificial intelligence and optimization modelling of hydrological streamflow forecasting. 2022 , 61, 279-303		16
140	Feature wise normalization: An effective way of normalizing data. 2022 , 122, 108307		7

139	The temperature-sensitive point screening for spindle thermal error modeling based on IBGOA-feature selection. 2022 , 73, 140-152		4
138	Predicting Heart Disease Based on Influential Features with Machine Learning. 2021 , 30, 929-943		0
137	Evolutionary competitive swarm exploring optimal support vector machines and feature weighting. 2021 , 25, 3335-3352		10
136	Cross-Scene Hyperspectral Feature Selection via Hybrid Whale Optimization Algorithm With Simulated Annealing. 2021 , 14, 2473-2483		3
135	Optimizing Training Data and Hyperparameters of Support Vector Machines Using a Memetic Algorithm. 2020 , 229-238		2
134	An Island Memetic Differential Evolution Algorithm for the Feature Selection Problem. <i>Studies in Computational Intelligence</i> , 2014 , 29-42	0.8	8
133	Overview of Particle Swarm Optimisation for Feature Selection in Classification. <i>Lecture Notes in Computer Science</i> , 2014 , 605-617	0.9	15
132	Support Vector Machine Parameters Optimization by Enhanced Fireworks Algorithm. <i>Lecture Notes in Computer Science</i> , 2016 , 526-534	0.9	22
131	Prediction of Generalized Anxiety Disorder Using Particle Swarm Optimization. 2017 , 480-489		3
130	Modified Optimal Foraging Algorithm for Parameters Optimization of Support Vector Machine. 2018 , 23-32		7
129	An Introduction to Swarm Intelligence for Multi-objective Problems. <i>Studies in Computational Intelligence</i> , 2009 , 1-17	0.8	4
128	The Model of Rainfall Forecasting by Support Vector Regression Based on Particle Swarm Optimization Algorithms. <i>Lecture Notes in Computer Science</i> , 2010 , 110-119	0.9	4
127	Differential Evolution Algorithm Based One Dimension Real Valued Searching for Feature Selection. <i>Lecture Notes in Electrical Engineering</i> , 2011 , 127-134	0.2	1
126	Daily Rainfall Prediction with SVR Using a Novel Hybrid PSO-SA Algorithms. <i>Communications in Computer and Information Science</i> , 2011 , 508-515	0.3	2
125	Adaptive SVM-Based Classification Systems Based on the Improved Endocrine-Based PSO Algorithm. <i>Lecture Notes in Computer Science</i> , 2012 , 543-552	0.9	4
124	A Hybrid PSO-FSVM Model and Its Application to Imbalanced Classification of Mammograms. <i>Lecture Notes in Computer Science</i> , 2013 , 275-284	0.9	3
123	A Hybridized Particle Swarm Optimization with Expanding Neighborhood Topology for the Feature Selection Problem. <i>Lecture Notes in Computer Science</i> , 2013 , 37-51	0.9	6
122	Integrating Support Vector Regression with Particle Swarm Optimization for Numerical Modeling for Algal Blooms of Freshwater. 2017 , 125-141		4

121	Evolutionary and Swarm-Based Feature Selection for Imbalanced Data Classification. 2020 , 231-250	3
120	Efficient Moth-Flame-Based Neuroevolution Models. 2020 , 51-66	1
119	Performance evaluation of classification methods with PCA and PSO for diabetes. 2020 , 9, 1	29
118	Convolutional neural network with batch normalisation for fault detection in squirrel cage induction motor. 2021 , 15, 39-50	7
117	EWSE and Uncertainty and Disturbance Estimator Based Pitch Angle Control for Wind Turbine Systems Operating in Above-Rated Wind Speed Region. 2020 , 142,	3
116	Robust machine learning techniques for rice crop variables estimation using multiangular bistatic scattering coefficients. 2018 , 12, 1	1
115	Reliability prediction of oil wells by support vector machine with particle swarm optimization for variable selection and hyperparameter tuning. 2011 , 1488-1496	3
114	Combination of minimum enclosing balls classifier with SVM in coal-rock recognition. 2017 , 12, e0184834	14
113	Parameters Optimization of SVM Based on Improved FOA and Its Application in Fault Diagnosis. 2015 , 10, 1301-1309	3
112	Optimizing SVM parameters based on backtracking search optimization algorithm for gear fault diagnosis. 2019 , 21, 66-81	8
111	Support vector regression and model reference adaptive control for optimum control of nonlinear drying process. 2016 , 15, 111-126	1
110	Downscaling river discharge to assess the effects of climate change on cholera outbreaks in the Bengal Delta. 2015 , 64, 257-274	4
109	Study of bioelectrical impedance analysis methods for visceral fat estimation using SVM. 2011 , 25, 648-653	2
108	Particle Swarm Optimization. 2017 , 614-635	9
107	Bankruptcy Prediction by Supervised Machine Learning Techniques. 2012 , 668-683	1
106	Bankruptcy Prediction by Supervised Machine Learning Techniques. 2011 , 128-143	1
105	Improved Quantum-Behaved Particle Swarm Optimization. 2015 , 05, 240-250	5
104	A Hybrid Meta-Learner Technique for Credit Scoring of Banks Customers. <i>Engineering, Technology & Applied Science Research</i> , 2017 , 7, 2073-2082	1 6

103	Static Security Assessment in Power Systems Using Multi-Class SVM with Parameter Selection Methods. 2013 , 465-471		4
102	Research on Parameters Optimization of SVM Based on Improved Fruit Fly Optimization Algorithm. 2016 , 8, 500-505		1
101	Static Security Evaluation in Power Systems using Multi-Class SVM with Different Parameter Selection Methods. 2011 , 193-198		3
100	Maximum correlation based mutual information scheme for intrusion detection in the data networks. <i>Expert Systems With Applications</i> , 2022 , 189, 116089	7.8	2
99	A Novel Algorithm for the Implementation of PSO-Based SVM. <i>Communications in Computer and Information Science</i> , 2011 , 356-361	0.3	
98	References. 591-636		
97	Research on the improvement of quantum potential well-based particle swarm optimization algorithm. 2012 , 61, 060302		0
96	Feature Selection for Cotton Foreign Fiber Objects Based on PSO Algorithm. 2012 , 446-452		
95	Intelligent Computation for Manufacturing. 2013 , 211-246		7
94	Particle Swarm Optimization Algorithm and its Hybrid Variants for Feature Subset Selection. 2013 , 449-466		1
93	Fault Diagnosis Based on Fast Independent Component Analysis and Optimized Support Vector Machines. 2013 , 691-698		
92	A Multi-objective Genetic Algorithm for Model Selection for Support Vector Machines. <i>Lecture Notes in Computer Science</i> , 2014 , 809-819	0.9	2
91	A Hybrid Algorithm for Disease Association Study. 2016 , 09, 129-136		0
90	A Synchronous Optimization Algorithm for Increasing Accuracy of SVM Classification. 2017 , 06, 1073-1081		
89	A Novel HPSOSA for Kernel Function Type and Parameter Optimization of SVR in Rainfall Forecasting. <i>Lecture Notes in Computer Science</i> , 2017 , 359-370	0.9	1
88	Sample Supervised Search-Centric Approaches in Geographic Object-Based Image Analysis. 223-243		
87	Fast searching measurement of absolute displacement based on submicron-aperture fiber point-diffraction interferometer. 2017 ,		1
86	Classification of Toxicity Effects of Biotransformed Hepatic Drugs Using Optimized Support Vector Machine. 2018 , 161-170		

85	Calibration of probe misalignment in point-diffraction interferometer. 2018 ,		
84	Hybrid Support Vector Regression with Parallel Co-Evolution Algorithm Based on GA and PSO for Forecasting Monthly Rainfall. 2019 , 12, 524-539		2
83	Surface Classification. 2019 , 139-194		
82	PSO-ANN-Based Computer-Aided Diagnosis and Classification of Diabetes. 2020 , 11-20		2
81	A Genetic-Based SVM Approach for Quality Data Classification. 2021 , 15-31		1
80	Optimal Feature Selection for Support Vector Machine Classifiers. 2020 ,		
79	Novel dual-channel long short-term memory compressed capsule networks for emotion recognition. <i>Expert Systems With Applications</i> , 2022 , 188, 116080	7.8	6
78	Study on Automatic Classification of Arrhythmias. 2020 , 113-141		1
77	Feature Selection Using PSO: A Multi Objective Approach. <i>Communications in Computer and Information Science</i> , 2020 , 106-119	0.3	
76	Application of Image Segmentation and Convolutional Neural Network in Classification Algorithms for Mammary X-ray Molybdenum Target Image. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 175-187	0.2	1
75	DroidAutoML: A Microservice Architecture to Automate the Evaluation of Android Machine Learning Detection Systems. <i>Lecture Notes in Computer Science</i> , 2020 , 148-165	0.9	0
74	Effects of anthropogenic activities on hydrochemical characteristics of ground water of Da'an irrigation area in Western of Jilin Province. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	0
73	LMSVCR: novel effective method of semi-supervised multi-classification. <i>Neural Computing and Applications</i> , 1	4.8	1
72	Discrete Artificial Bee Colony Optimization Algorithm for Financial Classification Problems. 44-58		
71	Intelligent Computation for Manufacturing. 1748-1782		
70	Feature Selection and Parameter Optimization of Support Vector Machines Based on a Local Search Based Firefly Algorithm for Classification of Formulas in Traditional Chinese Medicine. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2021 ,	0.4	
69	Multiuser physical layer security mechanism in the wireless communication system of the IIOT. <i>Computers and Security</i> , 2022 , 113, 102559	4.9	2
68	An Ensemble Learning Method with Feature Fusion for Industrial Control System Anomaly Detection. 2021 ,		

67	Performance Analysis of Nature-Inspired Algorithms in Breast Cancer Diagnosis. 2021 , 267-294		2
66	Hyperspectral and LiDAR data fusion in features based classification. <i>Arabian Journal of Geosciences</i> , 2021 , 14, 1	1.8	0
65	Predicting the Direction Movement of Financial Time Series Using Artificial Neural Network and Support Vector Machine. <i>Complexity</i> , 2021 , 2021, 1-13	1.6	6
64	A hybrid artificial neural network and wavelet packet transform approach for fault location in hybrid transmission lines. <i>Electric Power Systems Research</i> , 2022 , 204, 107721	3.5	3
63	Facial Recognition Application with Hyperparameter Optimisation. <i>Studies in Computational Intelligence</i> , 2022 , 141-172	0.8	
62	A Novel UAV Path Planning Algorithm Based on Double-Dynamic Biogeography-Based Learning Particle Swarm Optimization. <i>Mobile Information Systems</i> , 2022 , 2022, 1-23	1.4	1
61	Serum Raman spectroscopy combined with Gaussian convolutional neural network models to quickly detect liver cancer patients. <i>Spectroscopy Letters</i> , 1-12	1.1	1
60	Identification of the key manufacturing parameters impacting the prediction accuracy of support vector machine (SVM) model for quality assessment. <i>International Journal on Interactive Design and Manufacturing</i> , 2022 , 16, 177	1.9	0
59	A fast parameter optimization approach based on the inter-cluster induced distance in the feature space for support vector machines. <i>Applied Soft Computing Journal</i> , 2022 , 118, 108519	7.5	0
58	Chatter detection in milling process based on the combination of wavelet packet transform and PSO-SVM. <i>International Journal of Advanced Manufacturing Technology</i> , 1	3.2	0
57	Research on ultrasonic defect identification method of well control manifold pipeline based on IAFSA-SVM. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022 , 110854	4.6	0
56	Enhance Teaching-Learning-Based Optimization for Tsallis-Entropy-Based Feature Selection Classification Approach. <i>Processes</i> , 2022 , 10, 360	2.9	6
55	Binary Particle Swarm Optimization-Based Feature Selection for Predicting the Class of the Knee Angle from EMG Signals in Lower Limb Movements. <i>Neurophysiology</i> , 2022 , 53, 109-119	0.6	1
54	Raman spectroscopy combined with machine learning algorithms to detect adulterated Suichang native honey.. <i>Scientific Reports</i> , 2022 , 12, 3456	4.9	1
53	PSO-WELLSVM: An integrated method and its application in urban waterlogging susceptibility assessment in the central Wuhan, China. <i>Computers and Geosciences</i> , 2022 , 161, 105079	4.5	0
52	Towards Ubiquitous Indoor Positioning: Comparing Systems across Heterogeneous Datasets. 2021 ,		2
51	Lung Cancer Classification using Support Vector Machine and Hybrid Particle Swarm Optimization-Genetic Algorithm. 2021 ,		
50	Enhancing EEG-Based Mental Stress State Recognition Using an Improved Hybrid Feature Selection Algorithm.. <i>Sensors</i> , 2021 , 21,	3.8	2

49	Soft Optimal Computing to Identify Surface Roughness in Manufacturing Using a Gaussian and a Trigonometric Regressor. <i>Communications in Computer and Information Science</i> , 2022 , 41-50	0.3	
48	A Two-Stage Prediction Filling Method with Support Vector Technologies Optimized Competitively in Stages by Grey Wolf Optimizer and Particle Swarm Optimization for Missing Fasting Blood Glucose. <i>SSRN Electronic Journal</i> ,	1	
47	Generalization and Learning Rate of Multi-class Support Vector Classification and Regression. <i>International Journal of Wavelets, Multiresolution and Information Processing</i> ,	0.9	
46	Support Vector Machine with feature selection: A multiobjective approach. <i>Expert Systems With Applications</i> , 2022 , 117485	7.8	0
45	Near-infrared spectroscopy combined with pattern recognition algorithms to quickly classify raisins.. <i>Scientific Reports</i> , 2022 , 12, 7928	4.9	0
44	An efficient feature selection method based on improved elephant herding optimization to classify high-dimensional biomedical data. <i>Expert Systems</i> ,	2.1	1
43	Zero-Inertia Limit: From Particle Swarm Optimization to Consensus-Based Optimization. <i>SIAM Journal on Mathematical Analysis</i> , 2022 , 54, 3091-3121	1.7	2
42	Soft Optimal Computing Methods to Identify Surface Roughness in Manufacturing Using a Monotonic Regressor. <i>Lecture Notes in Networks and Systems</i> , 2022 , 527-537	0.5	
41	An enterprise default discriminant model based on optimal misjudgment loss ratio. <i>Expert Systems With Applications</i> , 2022 , 117641	7.8	1
40	Sensitivity analysis of feature weighting for classification. <i>Pattern Analysis and Applications</i> ,	2.3	
39	An Innovative Sensing Machine Learning Technique to Detect Credit Card Frauds in Wireless Communications. <i>Wireless Communications and Mobile Computing</i> , 2022 , 2022, 1-12	1.9	
38	3PcGE: 3-parent child-based genetic evolution for software defect prediction. <i>Innovations in Systems and Software Engineering</i> ,	1.1	1
37	Genetic Evolution-Based Feature Selection for Software Defect Prediction Using SVMs. <i>Journal of Circuits, Systems and Computers</i> ,	0.9	1
36	An Improved Auto Categorical PSO with ML for Heart Disease Prediction. <i>Engineering, Technology & Applied Science Research</i> , 2022 , 12, 8567-8573	1	1
35	Handiski simulator performance under PSO-based washout and control parameters optimization. <i>Nonlinear Dynamics</i> ,	5	0
34	Integrating data augmentation and hybrid feature selection for small sample credit risk assessment with high dimensionality. <i>Computers and Operations Research</i> , 2022 , 146, 105937	4.6	1
33	Improved bias value and new membership function to enhance the performance of fuzzy support vector Machine. <i>Expert Systems With Applications</i> , 2022 , 208, 118003	7.8	
32	Carbon sink price prediction based on radial basis kernel function support vector machine regression model.		0

- 31 Deformation Prediction and Analysis of Soft Rock Roadway with High Altitude and Large Buried Depth Based on Particle Swarm Optimization LSTM Model. **2022**, 2022, 1-10 ○
- 30 Software fault prediction using evolving populations with mathematical diversification. ○
- 29 An Adaptive Firefly Optimization Algorithm for Human Gait Recognition. **2022**, 305-316 ○
- 28 Regression prediction of hydrogen enriched compressed natural gas (HCNG) engine performance based on improved particle swarm optimization back propagation neural network method (IMPSO-BPNN). **2023**, 331, 125872 ○
- 27 Identifying Patients with Epilepsy Having Depression/Anxiety Disorder Using Common Spatial Patterns of Functional EEG Networks. ○
- 26 Performance of machine learning techniques on prediction of esophageal varices grades among patients with cirrhosis. **2022**, ○
- 25 Dynamic Path Planning Based on Neural Networks for Aerial Inspection. ○
- 24 The English Teaching Mode under the Environment of Computer Technology. **2022**, 2022, 1-8 ○
- 23 Prediction of Anti-proliferation Effect of [1,2,3]Triazolo[4,5-*d*]pyrimidine Derivatives by Random Forest and Mix-Kernel Function SVM with PSO. **2022**, 70, 684-693 ○
- 22 Prediction of Real Estate Market Prices with Regression Algorithms. **2023**, 401-411 ○
- 21 Research on lung nodule recognition algorithm based on deep feature fusion and MKL-SVM-IPSO. **2022**, 12, ○
- 20 Research on high-efficiency optimization algorithm applied to near-field effect error correction. ○
- 19 Urban resilience and livability performance of European smart cities: A novel machine learning approach. **2022**, 378, 134203 4
- 18 Optimizing SVM Hyperparameters using Predatory Swarms Algorithms for Use Case Points Estimation. **2022**, ○
- 17 A novel hybrid Aquila optimizer with Whale optimization algorithm for global optimization, feature selection and optimizing SVM parameters. **2022**, ○
- 16 Comparing Gaofen-5, Ground, and Huanjing-1A Spectra for the Monitoring of Soil Salinity with the BP Neural Network Improved by Particle Swarm Optimization. **2022**, 14, 5719 ○
- 15 ResNet Model Automatically Extracts and Identifies FT-NIR Features for Geographical Traceability of Polygonatum kingianum. **2022**, 11, 3568 ○
- 14 Evolutionary Feature Selection Method via A Chaotic Binary Dragonfly Algorithm. **2022**, ○

- 13 Chemometrics in Nondestructive Quality Evaluation. **2022**, 331-355 ○
- 12 Feature selection based on popularity and value contrast for Android malware classification. **2022**, ○
- 11 An Improved Imbalanced Data Classification Algorithm Based on SVM. **2022**, ○
- 10 Optimized Feature-Level Fusion of Hyperspectral Thermal and Visible Images in Urban Area Classification. ○
- 9 Computerized Diagnosis of Polycystic Ovary Syndrome Using Machine Learning and Swarm Intelligence Techniques. ○
- 8 Fault identification and reliability evaluation using an SVM model based on 3-D seismic data volume. **2023**, 234, 755-768 ○
- 7 Identification method for subgrade settlement of ballastless track based on vehicle vibration signals and machine learning. **2023**, 369, 130573 ○
- 6 Predicting customer churn using grey wolf optimization-based support vector machine with principal component analysis. ○
- 5 Efficient Selection of Gaussian Kernel SVM Parameters for Imbalanced Data. **2023**, 14, 583 ○
- 4 Discrete Salp Swarm Algorithm for symmetric traveling salesman problem. **2023**, 20, 8856-8874 ○
- 3 Stretching Deep Architectures: A Deep Learning Method without Back-Propagation Optimization. **2023**, 12, 1537 ○
- 2 Human Motion Capture Based on MEMS Sensor. **2023**, 2456, 012047 ○
- 1 Meta-heuristic Algorithms for Text Feature Selection Problems. **2023**, 47-58 ○