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Optimization method based extreme learning machine for classification

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#	Paper	IF	Citations
741	A study on effectiveness of extreme learning machine. <i>Neurocomputing</i> , 2011 , 74, 2483-2490	5.4	194
740	MELM-GRBF: A modified version of the extreme learning machine for generalized radial basis function neural networks. <i>Neurocomputing</i> , 2011 , 74, 2502-2510	5.4	54
739	A new robust training algorithm for a class of single-hidden layer feedforward neural networks. <i>Neurocomputing</i> , 2011 , 74, 2491-2501	5.4	38
738	GPU-accelerated and parallelized ELM ensembles for large-scale regression. <i>Neurocomputing</i> , 2011 , 74, 2430-2437	5.4	147
737	A parallel incremental extreme SVM classifier. <i>Neurocomputing</i> , 2011 , 74, 2532-2540	5.4	34
736	Application of error minimized extreme learning machine for simultaneous learning of a function and its derivatives. <i>Neurocomputing</i> , 2011 , 74, 2511-2519	5.4	11
735	Optimization approximation solution for regression problem based on extreme learning machine. <i>Neurocomputing</i> , 2011 , 74, 2475-2482	5.4	31
734	XML document classification based on ELM. <i>Neurocomputing</i> , 2011 , 74, 2444-2451	5.4	58
733	Face recognition based on extreme learning machine. <i>Neurocomputing</i> , 2011 , 74, 2541-2551	5.4	153
732	Deterministic convergence of conjugate gradient method for feedforward neural networks. <i>Neurocomputing</i> , 2011 , 74, 2368-2376	5.4	30
731	Learning Topographic Representations of Nature Images with Pairwise Cumulant. 2011 , 34, 155-175		2
730	Separating theorem of samples in Banach space for support vector machine learning. 2011 , 2, 49-54		44
729	Extreme learning machines: a survey. 2011 , 2, 107-122		1288
728	A Fast Learning Complex-valued Neural Classifier for real-valued classification problems. 2011 ,		19
727	Autonomous and Intelligent Systems. 2011 ,		3
726	A modified ELM algorithm for single-hidden layer feedforward neural networks with linear nodes. 2011 ,		8
725	Improving the detection of transmembrane Ebarrel chains with N-to-1 extreme learning machines. 2011 , 27, 3123-8		17

Spectral Data Modeling Based on Feature Extraction and Extreme Support Vector Regression. **2011** , 128-129, 297-300

	, 120-129, 291-300	
723	HONNs with ELM algorithm for medical applications. 2012 ,	О
722	Metagenomic taxonomic classification using extreme learning machines. 2012 , 10, 1250015	19
721	A total error rate multi-class classification. 2012 ,	O
72 0	Imbalanced extreme support vector machine. 2012,	1
719	Face recognition via local preserving average neighborhood margin maximization and extreme learning machine. 2012 , 16, 1515-1523	9
718	Predicting mill load using partial least squares and extreme learning machines. 2012, 16, 1585-1594	13
717	Update strategy based on region classification using ELM for mobile object index. 2012 , 16, 1607-1615	16
716	Extreme learning machine-based device displacement free activity recognition model. 2012 , 16, 1617-1625	38
715	Dynamic ensemble extreme learning machine based on sample entropy. 2012 , 16, 1493-1502	102
714	Generalized extreme learning machine acting on a metric space. 2012 , 16, 1503-1514	5
713	Intelligent fingerprint quality analysis using online sequential extreme learning machine. 2012 , 16, 1555-1568	3 17
712	A study on random weights between input and hidden layers in extreme learning machine. 2012 , 16, 1465-1475	21
711	Color image segmentation by fixation-based active learning with ELM. 2012 , 16, 1569-1584	13
710	RTS game strategy evaluation using extreme learning machine. 2012 , 16, 1627-1637	7
709	Leukocyte image segmentation by visual attention and extreme learning machine. 2012 , 21, 1217-1227	56
708	Brunnstrom stage automatic evaluation for stroke patients using extreme learning machine. 2012,	7
707	A projection based learning in Meta-cognitive Radial Basis Function Network for classification problems. 2012 ,	6

706 A new automatic target recognition system based on wavelet extreme learning machine. **2012**, 39, 12340-1234**2**8

705	Rapid measurement of total acid content (TAC) in vinegar using near infrared spectroscopy based on efficient variables selection algorithm and nonlinear regression tools. 2012 , 135, 590-5		71
704	A novel approach for detection and classification of mammographic microcalcifications using wavelet analysis and extreme learning machine. 2012 , 42, 898-905		38
703	A hybrid automatic system for the diagnosis of lung cancer based on genetic algorithm and fuzzy extreme learning machines. 2012 , 36, 1001-5		47
702	Fast learning Circular Complex-valued Extreme Learning Machine (CC-ELM) for real-valued classification problems. 2012 , 187, 277-290		51
701	Parameter estimation of q-Gaussian Radial Basis Functions Neural Networks with a Hybrid Algorithm for binary classification. <i>Neurocomputing</i> , 2012 , 75, 123-134	5.4	30
700	A fully complex-valued radial basis function classifier for real-valued classification problems. <i>Neurocomputing</i> , 2012 , 78, 104-110	5.4	77
699	Online sequential extreme learning machine with forgetting mechanism. <i>Neurocomputing</i> , 2012 , 87, 79-89	5.4	123
698	A comparative analysis of support vector machines and extreme learning machines. 2012 , 33, 58-66		83
697	Extreme learning machine for regression and multiclass classification. 2012 , 42, 513-29		3499
696	Fast learning complex-valued classifiers for real-valued classification problems. 2013, 4, 469-476		9
695	Extreme Learning Machines for Feature Selection and Classification of Cocaine Dependent Patients on Structural MRI Data. 2013 , 38, 375-387		24
694	Neural architecture design based on extreme learning machine. 2013 , 48, 19-24		24
693	Emerging Intelligent Computing Technology and Applications. 2013,		1
692	Weighted extreme learning machine for imbalance learning. <i>Neurocomputing</i> , 2013 , 101, 229-242	5.4	540
691	On extreme learning machine for Einsensitive regression in the primal by Newton method. 2013 , 22, 559-567		9
690	An extreme learning machine approach for speaker recognition. 2013 , 22, 417-425		41
689	3D object recognition based on a geometrical topology model and extreme learning machine. 2013 , 22, 427-433		18

688	Text categorization based on regularization extreme learning machine. 2013, 22, 447-456		50
687	Model selection of extreme learning machine based on multi-objective optimization. 2013 , 22, 521-529)	12
686	Determination of Pear Internal Quality Attributes by Fourier Transform Near Infrared (FT-NIR) Spectroscopy and Multivariate Analysis. 2013 , 6, 569-577		28
685	Burning state recognition of rotary kiln using ELMs with heterogeneous features. <i>Neurocomputing</i> , 2013 , 102, 144-153	5.4	24
684	Semantic concept detection for video based on extreme learning machine. <i>Neurocomputing</i> , 2013 , 102, 176-183	5.4	17
683	Fast flow regime recognition method of gas/water two-phase flow based on extreme learning machine. 2013 ,		1
682	Parkinson's disease prediction using machine learning approaches. 2013,		11
681	An accuracy adaptive breast tumor gene classification method. 2013,		
680	Kernel-based extreme learning machine for remote-sensing image classification. 2013, 4, 853-862		144
679	. 2013,		25
679 678	. 2013, Meta-cognitive RBF Network and its Projection Based Learning algorithm for classification problems. 2013, 13, 654-666		25 80
• •	Meta-cognitive RBF Network and its Projection Based Learning algorithm for classification		
678	Meta-cognitive RBF Network and its Projection Based Learning algorithm for classification problems. 2013 , 13, 654-666 An accurate and efficient method to predict the electronic excitation energies of BODIPY	5.4	80
6 ₇ 8	Meta-cognitive RBF Network and its Projection Based Learning algorithm for classification problems. 2013 , 13, 654-666 An accurate and efficient method to predict the electronic excitation energies of BODIPY fluorescent dyes. 2013 , 34, 566-75	5.4	80
678 677 676	Meta-cognitive RBF Network and its Projection Based Learning algorithm for classification problems. 2013, 13, 654-666 An accurate and efficient method to predict the electronic excitation energies of BODIPY fluorescent dyes. 2013, 34, 566-75 Advances in Extreme Learning Machines (ELM2011). Neurocomputing, 2013, 102, 1-2	5·4 5·4	80 18
678 677 676	Meta-cognitive RBF Network and its Projection Based Learning algorithm for classification problems. 2013, 13, 654-666 An accurate and efficient method to predict the electronic excitation energies of BODIPY fluorescent dyes. 2013, 34, 566-75 Advances in Extreme Learning Machines (ELM2011). Neurocomputing, 2013, 102, 1-2 Dynamic extreme learning machine and its approximation capability. 2013, 43, 2054-65		80 18 9
678 677 676 675	Meta-cognitive RBF Network and its Projection Based Learning algorithm for classification problems. 2013, 13, 654-666 An accurate and efficient method to predict the electronic excitation energies of BODIPY fluorescent dyes. 2013, 34, 566-75 Advances in Extreme Learning Machines (ELM2011). Neurocomputing, 2013, 102, 1-2 Dynamic extreme learning machine and its approximation capability. 2013, 43, 2054-65 Image classification based on effective extreme learning machine. Neurocomputing, 2013, 102, 90-97 Extreme learning machine-based predictor for real-time frequency stability assessment of electric		80 18 9 50 56

670	Fuzzy extreme learning machine for classification. 2013 , 49, 448-450		40
669	An efficient illumination invariant face recognition framework via illumination enhancement and DD-DTCWT filtering. 2013 , 46, 57-72		55
668	Protein secondary structure prediction using a fully complex-valued relaxation network. 2013,		3
667	Extreme Learning Machines [Trends & Controversies]. 2013 , 28, 30-59		249
666	Self-adaptive probability estimation for Naive Bayes classification. 2013,		18
665	Unsupervised feature learning classification using an extreme learning machine. 2013,		3
664	RESEARCH OF MULTI-TASK LEARNING BASED ON EXTREME LEARNING MACHINE. 2013 , 21, 75-85		15
663	An Extreme Learning Machine-based pedestrian detection method. 2013,		17
662	Novel back propagation optimization by Cuckoo Search algorithm. 2014 , 2014, 878262		19
661	Machine Learning from Garden Path Sentences: The Application of Computational Linguistics. 2014 , 9, 58		1
660	Evaluation of texture features for automatic detecting butterfly species using extreme learning machine. 2014 , 26, 267-281		30
659	Dynamic Quality Prediction of Manufacturing Process Based on Extreme Learning Machine. 2014 , 889-890, 1231-1235		1
658	Hybrid improved gravitional search algorithm and kernel based extreme learning machine method for classification problems. 2014 ,		1
657	Adaptive Control Using Fully Online Sequential-Extreme Learning Machine and a Case Study on Engine Air-Fuel Ratio Regulation. 2014 , 2014, 1-11		7
656	The Proceedings of the Second International Conference on Communications, Signal Processing, and Systems. <i>Lecture Notes in Electrical Engineering</i> , 2014 ,	0.2	2
655	Large-scale protein-protein interactions detection by integrating big biosensing data with computational model. 2014 , 2014, 598129		36
654	Test generation algorithm for fault detection of analog circuits based on extreme learning machine. 2014 , 2014, 740838		5
653	Fast cross validation for regularized extreme learning machine. 2014 , 25, 895-900		18

652	Active set strategy of optimized extreme learning machine. 2014 , 59, 4152-4160		7
651	Multi-label learning: a review of the state of the art and ongoing research. 2014 , 4, 411-444		88
650	Classifying Lung Cancer Knowledge in PubMed According to GO Terms Using Extreme Learning Machine. 2014 , 29, 1047-1059		2
649	Constrained Extreme Learning Machine: A novel highly discriminative random feedforward neural network. 2014 ,		24
648	Handwritten character recognition using generalized radial basis function Extreme Learning Machine with centers selection. 2014 ,		1
647	Classification of BGP anomalies using decision trees and fuzzy rough sets. 2014 ,		15
646	Optimization-Based Extreme Learning Machine with Multi-kernel Learning Approach for Classification. 2014 ,		5
645	Optimization-based multikernel extreme learning for multimodal object image classification. 2014,		4
644	Optimization ELM Based on Rough Set for Predicting the Label of Military Simulation Data. 2014 , 2014, 1-8		
643	Robust extreme learning machine for regression problems with its application to wifi based indoor positioning system. 2014 ,		
642	Soft-sensor for Mother Liquor Purity in The Industrial Cane Sugar Crystallization Based on Extreme Learning Machine and Particle Swarm Optimization. 2014 , 7,		
641	A Hybrid Approach for Probabilistic Forecasting of Electricity Price. 2014 , 5, 463-470		142
640	Robust regression with extreme support vectors. 2014 , 45, 205-210		9
639	Least learning machine and its experimental studies on regression capability. 2014 , 21, 677-684		20
638	Online ship roll motion prediction based on grey sequential extreme learning machine. <i>Neurocomputing</i> , 2014 , 129, 168-174	5.4	33
637	Clustering in extreme learning machine feature space. <i>Neurocomputing</i> , 2014 , 128, 88-95	5.4	76
636	Extreme learning machine towards dynamic model hypothesis in fish ethology research. <i>Neurocomputing</i> , 2014 , 128, 273-284	5.4	40
635	Sparse Ridgelet Kernel Regressor and its online sequential extreme learning. <i>Neurocomputing</i> , 2014 , 134, 173-180	5.4	6

634	A hybrid approach combining extreme learning machine and sparse representation for image classification. 2014 , 27, 228-235	53
633	Learning to Rank with Extreme Learning Machine. 2014 , 39, 155-166	28
632	Uncertainty evaluation and model selection of extreme learning machine based on Riemannian metric. 2014 , 24, 1613-1625	8
631	ELM *: distributed extreme learning machine with MapReduce. 2014 , 17, 1189-1204	52
630	Towards the development of a wearable feedback system for monitoring the activities of the upper-extremities. 2014 , 11, 2	77
629	Extreme learning machine and its applications. 2014 , 25, 549-556	110
628	Extreme Learning Machines 2013: Algorithms and Applications. 2014 ,	3
627	An Insight into Extreme Learning Machines: Random Neurons, Random Features and Kernels. 2014 , 6, 376-390	666
626	A naive Bayes probability estimation model based on self-adaptive differential evolution. 2014 , 42, 671-694	28
625	Boosting weighted ELM for imbalanced learning. <i>Neurocomputing</i> , 2014 , 128, 15-21 5.4	104
624	Extreme learning machine for ranking: generalization analysis and applications. 2014 , 53, 119-26	50
623	Review and performance comparison of SVM- and ELM-based classifiers. <i>Neurocomputing</i> , 2014 , 128, 507-516	107
622	Probabilistic Forecasting of Wind Power Generation Using Extreme Learning Machine. 2014 , 29, 1033-1044	407
621	Optimal Prediction Intervals of Wind Power Generation. 2014 , 29, 1166-1174	205
620	Breast tumor detection in digital mammography based on extreme learning machine. Neurocomputing, 2014 , 128, 175-184 5.4	81
619	Least Square Fast Learning Network for modeling the combustion efficiency of a 300WM coal-fired boiler. 2014 , 51, 57-66	15
618	Pattern Recognition. 2014 ,	О
617	A novel approach for image classification based on extreme learning machine. 2014 ,	2

616 Data learning based hypersonic flight control using ELM. **2014**,

615	Extreme Support Vector Regression. 2014 , 25-34		4
614	Sparse Bayesian extreme learning machine for multi-classification. 2014 , 25, 836-43		138
613	Probability based voting extreme learning machine for multiclass XML documents classification. 2014 , 17, 1217-1231		10
612	T2FELA: type-2 fuzzy extreme learning algorithm for fast training of interval type-2 TSK fuzzy logic system. 2014 , 25, 664-76		45
611	Feature Component-Based Extreme Learning Machines for Finger Vein Recognition. 2014 , 6, 446-461		29
610	Sparse extreme learning machine for classification. 2014 , 44, 1858-70		171
609	Online sequential extreme learning machine with kernels for nonstationary time series prediction. <i>Neurocomputing</i> , 2014 , 145, 90-97	5.4	145
608	2-D defect profile reconstruction from ultrasonic guided wave signals based on QGA-kernelized ELM. <i>Neurocomputing</i> , 2014 , 128, 217-223	5.4	38
607	Direct Kernel Perceptron (DKP): ultra-fast kernel ELM-based classification with non-iterative closed-form weight calculation. 2014 , 50, 60-71		44
606	1-Norm extreme learning machine for regression and multiclass classification using Newton method. <i>Neurocomputing</i> , 2014 , 128, 4-14	5.4	41
605	Nearest convex hull classification by using Lotkall'olterra recurrent neural networks. <i>Neurocomputing</i> , 2014 , 138, 157-166	5.4	1
604	Double parallel feedforward neural network based on extreme learning machine with L1/2 regularizer. <i>Neurocomputing</i> , 2014 , 128, 113-118	5.4	6
603	A hierarchical structure of extreme learning machine (HELM) for high-dimensional datasets with noise. <i>Neurocomputing</i> , 2014 , 128, 407-414	5.4	24
602	Discrete-time hypersonic flight control based on extreme learning machine. <i>Neurocomputing</i> , 2014 , 128, 232-241	5.4	40
601	Real-time fault diagnosis for gas turbine generator systems using extreme learning machine. Neurocomputing, 2014, 128, 249-257	5.4	99
600	\${{rm E}^{2}}{rm LMs}\$: Ensemble Extreme Learning Machines for Hyperspectral Image Classification. 2014 , 7, 1060-1069		156
599	An adaptive extreme learning machine algorithm and its application on face recognition. 2015 , 6, 611		3

598	Prediction of Hidden Dangers in Mine Production Using Timeliness Managing Extreme Learning Machine for Cloud Services. 2015 ,	
597	Effective algorithms of the Moore-Penrose inverse matrices for extreme learning machine. 2015 , 19, 743-760	73
596	Identification of Formaldehyde under Different Interfering Gas Conditions with Nanostructured Semiconductor Gas Sensors. 2015 , 5, 38	3
595	Robotic grasp detection using extreme learning machine. 2015 ,	7
594	Improving ESVM with Generalized Cross-Validation. 2015,	
593	Auto associative Extreme Learning Machine based non-linear principal component regression for big data applications. 2015 ,	5
592	Velocity Inversion for Sandstone Reservoir Based on Extreme Learning Machine Neural Network. 2015 ,	
591	Visual attention-based leukocyte image segmentation using extreme learning machine. 2015 , 7, 172	4
590	An Efficient Extreme Learning Machine Based on Fuzzy Information Granulation. 2015 , 11, 42	
589	One-Class Classification with Extreme Learning Machine. 2015 , 2015, 1-11	46
589 588	One-Class Classification with Extreme Learning Machine. 2015 , 2015, 1-11 Distributed Learning over Massive XML Documents in ELM Feature Space. 2015 , 2015, 1-13	46 2
588	Distributed Learning over Massive XML Documents in ELM Feature Space. 2015 , 2015, 1-13	2
588 587	Distributed Learning over Massive XML Documents in ELM Feature Space. 2015 , 2015, 1-13 Toward a General-Purpose Heterogeneous Ensemble for Pattern Classification. 2015 , 2015, 909123	2
588 587 586	Distributed Learning over Massive XML Documents in ELM Feature Space. 2015, 2015, 1-13 Toward a General-Purpose Heterogeneous Ensemble for Pattern Classification. 2015, 2015, 909123 Improving ELM-Based Service Quality Prediction by Concise Feature Extraction. 2015, 2015, 1-15	2 15
588 587 586 585	Distributed Learning over Massive XML Documents in ELM Feature Space. 2015, 2015, 1-13 Toward a General-Purpose Heterogeneous Ensemble for Pattern Classification. 2015, 2015, 909123 Improving ELM-Based Service Quality Prediction by Concise Feature Extraction. 2015, 2015, 1-15 Detecting Copy Directions among Programs Using Extreme Learning Machines. 2015, 2015, 1-15	1
588 587 586 585 584	Distributed Learning over Massive XML Documents in ELM Feature Space. 2015, 2015, 1-13 Toward a General-Purpose Heterogeneous Ensemble for Pattern Classification. 2015, 2015, 909123 Improving ELM-Based Service Quality Prediction by Concise Feature Extraction. 2015, 2015, 1-15 Detecting Copy Directions among Programs Using Extreme Learning Machines. 2015, 2015, 1-15 Extreme Learning Machine for Reservoir Parameter Estimation in Heterogeneous Reservoir. 2015, 199-208	1

(2015-2015)

580	Development and Implementation of a Wheeled Inverted Pendulum Vehicle Using Adaptive Neural Control with Extreme Learning Machines. 2015 , 7, 740-752	7
579	A System Architecture for Smart Health Services and Applications. 2015 , 449-456	1
578	Combining ELM with Random Projections for Low and High Dimensional Data Classification and Clustering. 2015 , 89-107	1
577	Firefly algorithm optimized extreme learning machine for hyperspectral image classification. 2015,	4
576	On Equivalence of FIS and ELM for Interpretable Rule-Based Knowledge Representation. 2015 , 26, 1417-30	54
575	. 2015,	5
574	Perceptual models of preference in 3D printing direction. 2015 , 34, 1-12	88
573	An overview on wind power forecasting methods. 2015,	8
572	Online sequential-extreme learning machine based detector on training-learning-detection framework. 2015 ,	1
571	Is extreme learning machine feasible? A theoretical assessment (part I). 2015 , 26, 7-20	114
57 ¹	Is extreme learning machine feasible? A theoretical assessment (part I). 2015 , 26, 7-20 Combining extreme learning machines using support vector machines for breast tissue classification. 2015 , 18, 185-91	114
	Combining extreme learning machines using support vector machines for breast tissue	
570	Combining extreme learning machines using support vector machines for breast tissue classification. 2015 , 18, 185-91 Prediction of dynamic voltage stability status based on Hopf and limit induced bifurcations using	
570	Combining extreme learning machines using support vector machines for breast tissue classification. 2015 , 18, 185-91 Prediction of dynamic voltage stability status based on Hopf and limit induced bifurcations using extreme learning machine. 2015 , 69, 150-159 Generalized radial basis function neural network based on an improved dynamic particle swarm	19 7
57° 569 568	Combining extreme learning machines using support vector machines for breast tissue classification. 2015, 18, 185-91 Prediction of dynamic voltage stability status based on Hopf and limit induced bifurcations using extreme learning machine. 2015, 69, 150-159 Generalized radial basis function neural network based on an improved dynamic particle swarm optimization and AdaBoost algorithm. Neurocomputing, 2015, 152, 305-315 5-4	19 7
57° 569 568 567	Combining extreme learning machines using support vector machines for breast tissue classification. 2015, 18, 185-91 Prediction of dynamic voltage stability status based on Hopf and limit induced bifurcations using extreme learning machine. 2015, 69, 150-159 Generalized radial basis function neural network based on an improved dynamic particle swarm optimization and AdaBoost algorithm. Neurocomputing, 2015, 152, 305-315 A Novel Web Service Quality Prediction Framework Based on F-ELM. 2015, 169-178 Parsimonious regularized extreme learning machine based on orthogonal transformation.	19 7 51
570 569 568 567 566	Combining extreme learning machines using support vector machines for breast tissue classification. 2015, 18, 185-91 Prediction of dynamic voltage stability status based on Hopf and limit induced bifurcations using extreme learning machine. 2015, 69, 150-159 Generalized radial basis function neural network based on an improved dynamic particle swarm optimization and AdaBoost algorithm. Neurocomputing, 2015, 152, 305-315 A Novel Web Service Quality Prediction Framework Based on F-ELM. 2015, 169-178 Parsimonious regularized extreme learning machine based on orthogonal transformation. Neurocomputing, 2015, 156, 280-296	19 7 51

562	Positive and negative correlation input attributes oriented subnets based double parallel extreme learning machine (PNIAOS-DPELM) and its application to monitoring chemical processes in steady state. <i>Neurocomputing</i> , 2015 , 165, 171-181	5.4	11
561	Extreme Learning Machine Ensemble Classifier for Large-Scale Data. 2015 , 151-161		3
560	An improved cuckoo search based extreme learning machine for medical data classification. 2015 , 24, 25-49		120
559	An accelerating scheme for destructive parsimonious extreme learning machine. <i>Neurocomputing</i> , 2015 , 167, 671-687	5.4	6
558	A robust hybrid model integrating enhanced inputs based extreme learning machine with PLSR (PLSR-EIELM) and its application to intelligent measurement. 2015 , 58, 533-42		12
557	Noninvasive reconstruction of cardiac transmembrane potentials using a kernelized extreme learning method. 2015 , 60, 3237-53		
556	. 2015 , 10, 18-29		231
555	Classification of hemodynamic responses associated with force and speed imagery for a brain-computer interface. 2015 , 39, 53		16
554	Rapid Measurement of Antioxidant Activity and EAminobutyric Acid Content of Chinese Rice Wine by Fourier-Transform Near Infrared Spectroscopy. 2015 , 8, 2541-2553		15
553	Rolling bearing fault diagnosis under variable conditions using LMD-SVD and extreme learning machine. 2015 , 90, 175-186		146
552	Cloud Based Big Data Analytics Framework for Face Recognition in Social Networks Using Machine Learning. 2015 , 50, 623-630		15
551	Practical Considerations in Training Extreme Learning Machines. 2015,		3
550	Feedforward kernel neural networks, generalized least learning machine, and its deep learning with application to image classification. 2015 , 37, 125-141		38
549	A Classification Framework for Predicting Components' Remaining Useful Life Based on Discrete-Event Diagnostic Data. 2015 , 64, 1049-1056		18
548	Infrared image segmentation using HOG feature and kernel extreme learning machine. 2015,		
547	Multi-disciplinary Trends in Artificial Intelligence. 2015 ,		
546	Proceedings of ELM-2014 Volume 2. 2015 ,		
545	Proceedings of ELM-2014 Volume 1. 2015 ,		

(2016-2015)

544	Hybridizing Extreme Learning Machines and Genetic Algorithms to select acoustic features in vehicle classification applications. <i>Neurocomputing</i> , 2015 , 152, 58-68	5.4	38
543	An oscillation bound of the generalization performance of extreme learning machine and corresponding analysis. <i>Neurocomputing</i> , 2015 , 151, 883-890	5.4	13
542	ELM based approximate dynamic cycle matching for homogeneous symmetric Pub/Sub system. 2015 , 18, 265-280		
54 ¹	Collaborative work with linear classifier and extreme learning machine for fast text categorization. 2015 , 18, 235-252		6
540	Trends in extreme learning machines: a review. 2015 , 61, 32-48		1109
539	Elastic extreme learning machine for big data classification. <i>Neurocomputing</i> , 2015 , 149, 464-471	5.4	63
538	On extending extreme learning machine to non-redundant synergy pattern based graph classification. <i>Neurocomputing</i> , 2015 , 149, 330-339	5.4	16
537	Discriminative graph regularized extreme learning machine and its application to face recognition. <i>Neurocomputing</i> , 2015 , 149, 340-353	5.4	121
536	Acoustic template-matching for automatic emergency state detection: An ELM based algorithm. <i>Neurocomputing</i> , 2015 , 149, 426-434	5.4	34
535	A fast learning method for feedforward neural networks. <i>Neurocomputing</i> , 2015 , 149, 295-307	5.4	16
534	Multi-dimensional extreme learning machine. <i>Neurocomputing</i> , 2015 , 149, 160-170	5.4	11
533	Distributed Extreme Learning Machine with kernels based on MapReduce. <i>Neurocomputing</i> , 2015 , 149, 456-463	5.4	40
532	Facial age range estimation with extreme learning machines. <i>Neurocomputing</i> , 2015 , 149, 364-372	5.4	30
531	Improving ELM-based microarray data classification by diversified sequence features selection. 2016 , 27, 155-166		17
530	2-D Defect Profile Reconstruction from Ultrasonic Guided Wave Signals Based on Radial Wavelet Basis Function Neural Network with ELM. 2016 , 693, 1551-1561		
529	Vocal Competence Based Karaoke Recommendation: A Maximum-Margin Joint Model. 2016,		1
528	Vowel Imagery Decoding toward Silent Speech BCI Using Extreme Learning Machine with Electroencephalogram. 2016 , 2016, 2618265		28
527	An Approach to Fault Diagnosis for Gearbox Based on Image Processing. 2016 , 2016, 1-10		6

526	An Extreme Learning Machine Based on the Mixed Kernel Function of Triangular Kernel and Generalized Hermite Dirichlet Kernel. 2016 , 2016, 1-11		О
525	Improving Multi-Instance Multi-Label Learning by Extreme Learning Machine. 2016 , 6, 160		5
524	Improved LMD, Permutation Entropy and Optimized K-Means to Fault Diagnosis for Roller Bearings. 2016 , 18, 70		46
523	Extreme Learning Machine for Multi-Label Classification. 2016 , 18, 225		16
522	Representational Learning for Fault Diagnosis of Wind Turbine Equipment: A Multi-Layered Extreme Learning Machines Approach. 2016 , 9, 379		51
521	Efficient classification of Parkinson's disease using extreme learning machine and hybrid particle swarm optimization. 2016 ,		5
520	Gesture recognition using data glove: An extreme learning machine method. 2016,		17
519	Semi-supervised clustering using seeded-kMeans in the feature space of ELM. 2016 ,		1
518	Comparative analysis of ELM and No-Prop algorithms. 2016 ,		О
517	An Improved Extreme Learning Machine with Parallelized Feature Mapping Structures. 2016,		
516	A grouping genetic algorithm Extreme learning machine approach for optimal wave energy prediction. 2016 ,		2
515	An Efficient and Effective Automatic Recognition System for Online Recognition of Foreign Fibers in Cotton. <i>IEEE Access</i> , 2016 , 4, 8465-8475	3.5	18
514	Application of DE-ELM in analog circuit fault diagnosis. 2016,		2
513	Soft-sensing model development using PLSR-based dynamic extreme learning machine with an		
	enhanced hidden layer. 2016 , 154, 101-111		15
512			18
512 511	enhanced hidden layer. 2016 , 154, 101-111		
	enhanced hidden layer. 2016 , 154, 101-111 Parsimonious kernel extreme learning machine in primal via Cholesky factorization. 2016 , 80, 95-109 A sparse extreme learning machine framework by continuous optimization algorithms and its		18

 $508 \quad \hbox{A Soft Computing Approach to Optimize the Clarification Process in Wastewater Treatment.} \ \textbf{2016}, 609-620$

507	Computer Models for Facial Beauty Analysis. 2016,		18
506	Prediction of fatigue stress concentration factor using extreme learning machine. 2016 , 125, 136-145		20
505	A New Categorization Numerical Scheme for Mobile Robotic Computing Using Odor Data-set Recognition as a Case. 2016 , 94, 199-206		
504	SLOSELM: Self Labeling Online Sequential Extreme Learning Machine. 2016 , 179-189		
503	Sparse Extreme Learning Machine Classifier Using Empirical Feature Mapping. 2016 , 486-493		1
502	Saliency detection via extreme learning machine. <i>Neurocomputing</i> , 2016 , 218, 103-112	5.4	15
501	Detecting Salient Objects via Color and Texture Compactness Hypotheses. 2016 , 25, 4653-4664		18
500	. 2016,		7
499	Multivariate electricity consumption prediction with Extreme Learning Machine. 2016,		6
498	A novel hidden danger prediction method in cloud-based intelligent industrial production management using timeliness managing extreme learning machine. 2016 , 13, 74-82		3
497	Recursive reduced kernel based extreme learning machine for aero-engine fault pattern recognition. <i>Neurocomputing</i> , 2016 , 214, 1038-1045	5.4	22
496	Single NMR image super-resolution based on extreme learning machine. 2016 , 32, 1331-1338		
495	ELM based multiple kernel k-means with diversity-induced regularization. 2016,		1
494	Towards using Reservoir Computing Networks for noise-robust image recognition. 2016,		8
493	An efficient classification based on genetically optimised hybrid PCA-Kernel ELM learning. 2016 , 3, 241		1
492	Neural networks: An overview of early research, current frameworks and new challenges. <i>Neurocomputing</i> , 2016 , 214, 242-268	5.4	144
491	Local extreme learning machine: local classification model for shape feature extraction. 2016 , 27, 2095-2005	2105	5

490	Significant wave height and energy flux prediction for marine energy applications: A grouping genetic algorithm Extreme Learning Machine approach. 2016 , 97, 380-389	51
489	An optimization method of extreme learning machine for regression. 2016 ,	O
488	An online sequential extreme learning machine for tidal prediction based on improved Gath©eva fuzzy segmentation. <i>Neurocomputing</i> , 2016 , 174, 85-98	6
487	Detection of Formaldehyde in Mixed VOCs Gases Using Sensor Array With Neural Networks. 2016 , 16, 6081-6086	23
486	A semi-supervised online sequential extreme learning machine method. <i>Neurocomputing</i> , 2016 , 174, 168-178	26
485	Object Classification and Grasp Planning Using Visual and Tactile Sensing. 2016 , 46, 969-979	42
484	On optimization based extreme learning machine in primal for regression and classification by functional iterative method. 2016 , 7, 707-728	31
483	A novel kernel extreme learning machine algorithm based on self-adaptive artificial bee colony optimisation strategy. 2016 , 47, 1342-1357	7
482	Extreme logistic regression. 2016 , 10, 27-52	10
481	Fault detection and diagnosis method for batch process based on ELM-based fault feature phase identification. 2016 , 27, 167-173	10
480	Multi-agent Architecture for Corporate Operating Performance Assessment. 2016 , 43, 115-132	4
479	Breast tumor detection in double views mammography based on extreme learning machine. 2016 , 27, 227-240	17
478	Computational intelligence in wave energy: Comprehensive review and case study. 2016 , 58, 1223-1246	48
477	SVM and ELM: Who Wins? Object Recognition with Deep Convolutional Features from ImageNet. 2016 , 249-263	14
476	Facial Expression Recognition Based on Ensemble Extreme Learning Machine with Eye Movements Information. 2016 , 295-306	2
475	Uncertain XML documents classification using Extreme Learning Machine. <i>Neurocomputing</i> , 2016 , 174, 375-382	13
474	Neural adaptive control of hypersonic aircraft with actuator fault using randomly assigned nodes. Neurocomputing, 2016 , 174, 1070-1076 5-4	9
473	Comparison of chemometric approaches for near-infrared spectroscopic data. 2016 , 8, 1914-1923	21

Timeliness Online Regularized Extreme Learning Machine. **2016**, 477-487

471	Calibration transfer via an extreme learning machine auto-encoder. 2016 , 141, 1973-80	40
470	An Incremental Type-2 Meta-Cognitive Extreme Learning Machine. 2017 , 47, 339-353	45
469	Distributed Weighted Extreme Learning Machine for Big Imbalanced Data Learning. 2016 , 319-332	2
468	Extreme Learning Machine for Large-Scale Graph Classification Based on MapReduce. 2016 , 93-105	1
467	Reinforced Extreme Learning Machines for Fast Robust Regression in the Presence of Outliers. 2016 , 46, 3351-3363	8
466	A review of Computational Intelligence techniques in coral reef-related applications. 2016 , 32, 107-123	9
465	Prediction of Pulp Concentration Using Extreme Learning Machine. 2016 , 179-187	
464	Comparison of ELM, GANN, WNN and empirical models for estimating reference evapotranspiration in humid region of Southwest China. 2016 , 536, 376-383	98
463	Differential evolution-based feature selection and parameter optimisation for extreme learning machine in tool wear estimation. 2016 , 54, 4703-4721	20
462	An overview on rough neural networks. 2016 , 27, 1805-1816	10
461	Probabilistic threshold query optimization based on threshold classification using ELM for uncertain data. <i>Neurocomputing</i> , 2016 , 174, 211-219	8
460	Modeling and reduction of NOX emissions for a 700 MW coal-fired boiler with the advanced machine learning method. <i>Energy</i> , 2016 , 94, 672-679	56
459	Parallel Multi-graph Classification Using Extreme Learning Machine and MapReduce. 2016 , 77-92	1
458	A-ELM?: Adaptive Distributed Extreme Learning Machine with MapReduce. <i>Neurocomputing</i> , 2016 , 174, 368-374	19
457	Gait recognition method for arbitrary straight walking paths using appearance conversion machine. Neurocomputing, 2016 , 173, 530-540 5.4	11
456	Extreme learning machine based transfer learning for data classification. <i>Neurocomputing</i> , 2016 , 174, 203-210	50
455	A Fast SVD-Hidden-nodes based Extreme Learning Machine for Large-Scale Data Analytics. 2016 , 77, 14-28	27

454	An efficient active set method for optimization extreme learning machines. <i>Neurocomputing</i> , 2016 , 174, 187-193	5.4	9
453	An unsupervised discriminative extreme learning machine and its applications to data clustering. <i>Neurocomputing</i> , 2016 , 174, 250-264	5.4	25
452	Building feature space of extreme learning machine with sparse denoising stacked-autoencoder. <i>Neurocomputing</i> , 2016 , 174, 60-71	5.4	33
451	Sparse Bayesian extreme learning committee machine for engine simultaneous fault diagnosis. <i>Neurocomputing</i> , 2016 , 174, 331-343	5.4	51
450	Robust compressive features based power quality events classification with Analog Digital Mixing Network (ADMN). <i>Neurocomputing</i> , 2016 , 171, 685-692	5.4	5
449	Robust Extreme Learning Machine With its Application to Indoor Positioning. 2016 , 46, 194-205		69
448	ELM-based spammer detection in social networks. 2016 , 72, 2991-3005		26
447	Hybrid Kernelized Fuzzy Clustering and Multiple Attributes Decision Analysis for Corporate Risk Management. 2017 , 19, 659-670		7
446	NMR image segmentation based on Unsupervised Extreme Learning Machine. 2017 , 28, 1013-1030		3
445	Routing tree maintenance based on trajectory prediction in mobile sensor networks. 2017 , 9, 109-120		
444	A new framework for intelligent simultaneous-fault diagnosis of rotating machinery using pairwise-coupled sparse Bayesian extreme learning committee machine. 2017 , 231, 1146-1161		9
443	Highly Efficient Framework for Predicting Interactions Between Proteins. 2017, 47, 731-743		85
442	Mapping mineral prospectivity using an extreme learning machine regression. 2017, 80, 200-213		73
441	Resistance spot welding quality identification with particle swarm optimization and a kernel extreme learning machine model. 2017 , 91, 1879-1887		16
440	Multi-label text categorization using L21-norm minimization extreme learning machine. <i>Neurocomputing</i> , 2017 , 261, 4-10	5.4	23
439	Excavation equipment classification based on improved MFCC features and ELM. <i>Neurocomputing</i> , 2017 , 261, 231-241	5.4	29
438	Deep object recognition across domains based on adaptive extreme learning machine. <i>Neurocomputing</i> , 2017 , 239, 194-203	5.4	38
437	Modelling spatiotemporal land dynamics for a trans-boundary river basin using integrated Cellular Automata and Markov Chain approach. 2017 , 82, 11-23		41

436	Instance cloned extreme learning machine. 2017 , 68, 52-65		33
435	Parallel multi-graph classification using extreme learning machine and MapReduce. Neurocomputing, 2017 , 261, 171-183	5.4	6
434	Enhancing ELM by Markov Boundary based feature selection. <i>Neurocomputing</i> , 2017 , 261, 57-69	5.4	8
433	A variable-structure online sequential extreme learning machine for time-varying system prediction. <i>Neurocomputing</i> , 2017 , 261, 115-125	5.4	7
432	Extreme Learning Machine for large-scale graph classification based on MapReduce. <i>Neurocomputing</i> , 2017 , 261, 106-114	5.4	6
431	Sparse coding extreme learning machine for classification. <i>Neurocomputing</i> , 2017 , 261, 50-56	5.4	35
430	Optimization extreme learning machine with Fregularization. <i>Neurocomputing</i> , 2017 , 261, 11-19	5.4	9
429	Decay-weighted extreme learning machine for balance and optimization learning. 2017 , 28, 743-753		2
428	Twin extreme learning machines for pattern classification. <i>Neurocomputing</i> , 2017 , 260, 235-244	5.4	25
427	An Adaptive Non-symmetric Fuzzy Activation Function-Based Extreme Learning Machines for Face Recognition. 2017 , 42, 805-816		8
426	Synergy effects between grafting and subdivision in Re-RX with J48graft for the diagnosis of thyroid disease. 2017 , 131, 170-182		12
425	Multi-label Learning for Predicting the Activities of Antimicrobial Peptides. 2017 , 7, 2202		8
424	ELM evaluation model of regional groundwater quality based on the crow search algorithm. 2017 , 81, 302-314		42
423	Extreme Learning Machine and Its Applications in Big Data Processing. 2017 , 117-150		9
422	Upper Limb Motion Recognition Based on LLE-ELM Method of sEMG. 2017, 31, 1750018		9
421	Joint multiple fully connected convolutional neural network with extreme learning machine for hepatocellular carcinoma nuclei grading. 2017 , 84, 156-167		34
420	. 2017 , 22, 160-173		11
419	Advancing the incremental fusion of robotic sensory features using online multi-kernel extreme learning machine. 2017 , 11, 276-289		2

418	Side-scan sonar image segmentation based on gray level co-occurrence matrices and unsupervised extreme learning machine. 2017 ,	1
4 ¹ 7	Retargeting extreme learning machines for classification and their applications to fault diagnosis of aircraft engine. 2017 , 71, 603-618	21
416	Wind speed forecast for the stratospheric airship by incremental extreme learning machine. 2017,	О
415	Prediction of landslide displacement with controlling factors using extreme learning adaptive neuro-fuzzy inference system (ELANFIS). 2017 , 61, 892-904	41
414	Rapid identification of fermentation stages of bioethanol solid-state fermentation (SSF) using FT-NIR spectroscopy: comparisons of linear and non-linear algorithms for multiple classification issues. 2017 , 9, 5769-5776	15
413	Extreme learning machine classification method for lower limb movement recognition. 2017 , 20, 3051-3059	16
412	Research on the Learning Method Based on PCA-ELM. 2017, 23, 637-642	2
411	Multi-agent system based on the fuzzy control and extreme learning machine for intelligent management in hybrid energy system. 2017 ,	4
410	Detection of Coronal Mass Ejections Using Multiple Features and SpaceTime Continuity. 2017 , 292, 1	3
409	Extreme learning machine based transfer learning algorithms: A survey. <i>Neurocomputing</i> , 2017 , 267, 516-524	48
408	Optimized extreme learning machine for urban land cover classification using hyperspectral imagery. 2017 , 11, 765-773	10
407	Two-stage ELM for phishing Web pages detection using hybrid features. 2017 , 20, 797-813	26
406	Evolutionary Cost-Sensitive Extreme Learning Machine. 2017 , 28, 3045-3060	106
405	Firefly-Algorithm-Inspired Framework With Band Selection and Extreme Learning Machine for Hyperspectral Image Classification. 2017 , 10, 309-320	85
404	FASTA-ELM: A fast adaptive shrinkage/thresholding algorithm for extreme learning machine and its application to gender recognition. <i>Neurocomputing</i> , 2017 , 219, 312-322	8
403	A novel artificial bee colony optimization strategy-based extreme learning machine algorithm. 2017 , 6, 41-52	5
402	A prediction method using extreme learning machine with immune optimization. 2017,	1
401	Machine learning based network intrusion detection. 2017 ,	10

(2017-2017)

400	Spectral-Spatial Classification of Hyperspectral Image Using Extreme Learning Machine and Loopy Belief Propagation. 2017 ,	2
399	A heterogeneous ensemble of extreme learning machines with correntropy and negative correlation. 2017 , 22, 691-701	7
398	Feature Space of Deep Learning and its Importance. 2017 ,	4
397	Automated discrimination of dementia spectrum disorders using extreme learning machine and structural T1 MRI features. 2017 , 2017, 1990-1993	9
396	Integrated data-driven model-based approach to condition monitoring of the wind turbine gearbox. 2017 , 11, 1177-1185	33
395	Motor imagery signal classification using semi supervised and unsupervised extreme learning machines. 2017 ,	1
394	Multi-dimensional I-vector closed set speaker identification based on an extreme learning machine with and without fusion technologies. 2017 ,	2
393	Multiple features fusion for hyperspectral image classification based on extreme learning machine. 2017 ,	2
392	A smooth extreme learning machine framework. 2017 , 33, 3373-3381	4
391	Contemporary stegnalysis schemes for reliable detection of steganography. 2017,	
391	Contemporary stegnalysis schemes for reliable detection of steganography. 2017, Determining relevant features in estimating short-term power load of a small house via feature selection by extreme learning machine. 2017,	0
	Determining relevant features in estimating short-term power load of a small house via feature	0
390	Determining relevant features in estimating short-term power load of a small house via feature selection by extreme learning machine. 2017 , Linear vs. Nonlinear Extreme Learning Machine for Spectral-Spatial Classification of Hyperspectral	
390	Determining relevant features in estimating short-term power load of a small house via feature selection by extreme learning machine. 2017, Linear vs. Nonlinear Extreme Learning Machine for Spectral-Spatial Classification of Hyperspectral Images. 2017, 17, Time Series Prediction Based on Adaptive Weight Online Sequential Extreme Learning Machine.	16
390 389 388	Determining relevant features in estimating short-term power load of a small house via feature selection by extreme learning machine. 2017, Linear vs. Nonlinear Extreme Learning Machine for Spectral-Spatial Classification of Hyperspectral Images. 2017, 17, Time Series Prediction Based on Adaptive Weight Online Sequential Extreme Learning Machine. 2017, 7, 217	16 6
39° 389 388 387	Determining relevant features in estimating short-term power load of a small house via feature selection by extreme learning machine. 2017, Linear vs. Nonlinear Extreme Learning Machine for Spectral-Spatial Classification of Hyperspectral Images. 2017, 17, Time Series Prediction Based on Adaptive Weight Online Sequential Extreme Learning Machine. 2017, 7, 217 Bioinspired Architecture Selection for Multitask Learning. 2017, 11, 39 Improving Classification Performance through an Advanced Ensemble Based Heterogeneous	16 6 1
390 389 388 387 386	Determining relevant features in estimating short-term power load of a small house via feature selection by extreme learning machine. 2017, Linear vs. Nonlinear Extreme Learning Machine for Spectral-Spatial Classification of Hyperspectral Images. 2017, 17, Time Series Prediction Based on Adaptive Weight Online Sequential Extreme Learning Machine. 2017, 7, 217 Bioinspired Architecture Selection for Multitask Learning. 2017, 11, 39 Improving Classification Performance through an Advanced Ensemble Based Heterogeneous Extreme Learning Machines. 2017, 2017, 3405463 Sparse Contribution Feature Selection and Classifiers Optimized by Concave-Convex Variation for	16 6 1

382	A fast feature selection approach based on extreme learning machine and coefficient of variation. 2017 , 25, 3409-3420	10
381	Task-generic mental fatigue recognition based on neurophysiological signals and dynamical deep extreme learning machine. <i>Neurocomputing</i> , 2018 , 283, 266-281	19
380	Recent advances in neuro-fuzzy system: A survey. 2018 , 152, 136-162	110
379	Prediction of Henry's law constant of CO2 in ionic liquids based on SEP and SEprofile molecular descriptors. 2018 , 262, 139-147	17
378	A novel and effective nonlinear interpolation virtual sample generation method for enhancing energy prediction and analysis on small data problem: A case study of Ethylene industry. <i>Energy</i> , 7.9 2018 , 147, 418-427	30
377	Network intrusion detection using equality constrained-optimization-based extreme learning machines. 2018 , 147, 68-80	28
376	Cyber Threat Intelligence. 2018 ,	4
375	A New Intrusion Detection System Based on Fast Learning Network and Particle Swarm Optimization. <i>IEEE Access</i> , 2018 , 6, 20255-20261	85
374	Human knee joint walking pattern generation using computational intelligence techniques. 2018 , 30, 1701-1713	8
373	Timeliness online regularized extreme learning machine. 2018 , 9, 465-476	13
372	A Novel AdaBoost Framework With Robust Threshold and Structural Optimization. 2018, 48, 64-76	40
371	Extreme learning machine for structured output spaces. 2018 , 30, 1251-1264	8
370	A Parallel Multiclassification Algorithm for Big Data Using an Extreme Learning Machine. 2018 , 29, 2337-2351	91
369	Organ Location Determination and Contour Sparse Representation for Multiorgan Segmentation. 2018 , 22, 852-861	8
368	Data decomposition based fast reduced kernel extreme learning machine for currency exchange rate forecasting and trend analysis. 2018 , 96, 427-449	18
367	Semi-supervised multi-graph classification using optimal feature selection and extreme learning machine. <i>Neurocomputing</i> , 2018 , 277, 89-100	8
366	Kernel based online learning for imbalance multiclass classification. <i>Neurocomputing</i> , 2018 , 277, 139-148 _{5.4}	40
365	3D human gesture capturing and recognition by the IMMU-based data glove. <i>Neurocomputing</i> , 2018 , 277, 198-207	54

364	Improving the multimodal probabilistic semantic model by ELM classifiers. 2018 , 355, 1967-1990		4
363	Probabilistic group nearest neighbor query optimization based on classification using ELM. <i>Neurocomputing</i> , 2018 , 277, 21-28	5.4	8
362	A weighted accent classification using multiple words. <i>Neurocomputing</i> , 2018 , 277, 120-128	5.4	4
361	A novel multimodal retrieval model based on ELM. <i>Neurocomputing</i> , 2018 , 277, 65-77	5.4	3
360	An improved extreme learning machine integrated with nonlinear principal components and its application to modeling complex chemical processes. 2018 , 130, 745-753		6
359	Restricted Boltzmann machine to determine the input weights for extreme learning machines. 2018 , 96, 77-85		23
358	Scene image classification using locality-constrained linear coding based on histogram intersection. 2018 , 77, 4081-4092		7
357	A Novel Inverse Synthetic Aperture Rada Imaging Method for Maneuvering Targets Based on Modified Chirp Fourier Transform. 2018 , 8, 2443		3
356	Constrained Optimization-Based Extreme Learning Machines with Bagging for Freezing of Gait Detection. 2018 , 2, 31		3
355	HYPERSPECTRAL SUPERVISED CLASSIFICATION USING MEAN FILTERING BASED KERNEL EXTREME LEARNING MACHINE. 2018 ,		2
354	Extreme Learning Machine for Graph Signal Processing. 2018,		O
353	An ELM based multi-agent system and its applications to power generation. 2018 , 12, 163-171		3
352	Home appliances classification based on multi-feature using ELM. 2018, 28, 34		3
351	Contact State Classification in Industrial Robotic Assembly Tasks Based on Extreme Learning Machine. 2018 ,		3
350	Semi-supervised Multi-kernel Extreme Learning Machine. 2018 , 129, 305-311		2
349	A Pinball loss based Extreme Learning Machine for pattern classification. 2018,		
348	Survey of Kernel Extreme Learning Machine Kernel Function Based on the Perspective of Kernel Parameter Optimization Time. 2018 ,		
347	Research on Handwritten Alphabet Recognition System Based on Extreme Learning Machine. 2018,		1

346	An Effective Palmprint Recognition Approach for Visible and Multispectral Sensor Images. 2018, 18,		19
345	Depth-based Object Detection using Hierarchical Fragment Matching Method. 2018,		
344	Inversion of Heavy Metal Content in a Copper Mining Area Based on Extreme Learning Machine Optimized by Particle Swarm Algorithm. 2018 ,		
343	An Extreme Learning Machine Method for Multi-Classification with Mahalanobis Distance. 2018,		3
342	Super-Graph Classification Based on Composite Subgraph Features and Extreme Learning Machine. 2018 , 10, 922-936		7
341	Analysis of Water, Ethanol, and Fructose Mixtures Using Nondestructive Resonant Spectroscopy of Mechanical Vibrations and a Grouping Genetic Algorithm. 2018 , 18,		1
340	Using spectral reflectance to estimate leaf chlorophyll content of tea with shading treatments. 2018 , 175, 168-182		36
339	. IEEE Access, 2018 , 6, 52713-52724	3.5	9
338	Detecting spam web pages using multilayer extreme learning machine. 2018 , 5, 49		5
337	Registration-Based Organ Positioning and Joint Segmentation Method for Liver and Tumor Segmentation. 2018 , 2018, 8536854		5
336	Extreme Learning Machines for Data Classification Tuning by Improved Bat Algorithm. 2018,		6
335	Spatio-Temporal Analysis of Wetland Changes Using a Kernel Extreme Learning Machine Approach. 2018 , 10, 1129		13
334	Review on Intelligent Internal Attacks Detection in VANET. 2018,		1
333	Fault Detection and Isolation Based on Extreme Learning Machine optimized by Genetic Algorithm for Flight Control System. 2018 ,		
332	Structure convolutional extreme learning machine and case-based shape template for HCC nucleus segmentation. <i>Neurocomputing</i> , 2018 , 312, 9-26	5.4	7
331	Class-specific extreme learning machine for handling binary class imbalance problem. 2018 , 105, 206-2	17	42
330	Application of Machine Learning Techniques to Detecting Anomalies in Communication Networks: Classification Algorithms. 2018 , 71-92		6
329	Correntropy-based robust extreme learning machine for classification. <i>Neurocomputing</i> , 2018 , 313, 74-	8 4 5.4	18

328	Churn and Non-churn of Customers in Banking Sector Using Extreme Learning Machine. 2018 , 51-58		2
327	Sparse Representation-Based Augmented Multinomial Logistic Extreme Learning Machine With Weighted Composite Features for Spectral Spatial Classification of Hyperspectral Images. 2018 , 56, 6263-6279		29
326	Learning a single-hidden layer feedforward neural network using a rank correlation-based strategy with application to high dimensional gene expression and proteomic spectra datasets in cancer detection. 2018 , 83, 159-166		23
325	LDS-FCM: A Linear Dynamical System Based Fuzzy C-Means Method for Tactile Recognition. 2019 , 27, 72-83		10
324	Robust Extreme Learning Machines with Different Loss Functions. 2019 , 49, 1543-1565		5
323	Data Distribution Based Weighted Extreme Learning Machine. 2019 ,		
322	A novel GDP prediction technique based on transfer learning using CO2 emission dataset. 2019 , 253, 113476		15
321	Augmented Quaternion Extreme Learning Machine. IEEE Access, 2019, 7, 90842-90850	3.5	3
320	Adaptive Safe Semi-Supervised Extreme Machine Learning. <i>IEEE Access</i> , 2019 , 7, 76176-76184	3.5	8
319	A Survey on Extreme Learning Machine and Evolution of Its Variants. 2019 , 572-583		1
318	Clustering Techniques for Dental Image Analysis. 2019 , 103-128		1
317	Regularized ensemble neural networks models in the Extreme Learning Machine framework. <i>Neurocomputing</i> , 2019 , 361, 196-211	5.4	3
316	Machine Learning In Power Markets. 2019 ,		
315	Forming a new small sample deep learning model to predict total organic carbon content by combining unsupervised learning with semisupervised learning. 2019 , 83, 105596		39
314	Detection of damaged wheat kernels using an impact acoustic signal processing technique based on Gaussian modelling and an improved extreme learning machine algorithm. 2019 , 184, 37-44		14
313	Sediment-carrying capacity prediction using extreme learning machine. 2019 , 304, 042006		2
312	Comparison of daily streamflow forecasts using extreme learning machines and the random forest method. 2019 , 64, 1857-1866		17
311	Spectral-spatial feature extraction and supervised classification by MF-KELM classifier on hyperspectral imagery. 2019 , 8,		О

310	Top Invulnerability Nodes Mining in Dual-Direction Different-Weight Complex Network Based on Node Double-Level Local Structure Weighted Entropy. <i>IEEE Access</i> , 2019 , 7, 86597-86610	3.5	1
309	Street Lamp Fault Diagnosis System Based on Extreme Learning Machine. 2019 , 490, 042053		2
308	Integration of a Landsat Time-Series of NBR and Hydrological Modeling to Assess Pinus Pinaster Aiton. Forest Defoliation in South-Eastern Spain. 2019 , 11, 2291		О
307	A Novel Hybrid Extreme Learning Machine Approach Improved by K Nearest Neighbor Method and Fireworks Algorithm for Flood Forecasting in Medium and Small Watershed of Loess Region. 2019 , 11, 1848		10
306	A Review of the Research on the Prediction Model of Extreme Learning Machine. 2019 , 1213, 042013		1
305	Review on Smart Gas Sensing Technology. 2019 , 19,		94
304	A Novel Evolutionary Algorithm for Data Classification Problem With Extreme Learning Machines. <i>IEEE Access</i> , 2019 , 7, 122419-122427	3.5	11
303	Machine Learning for 5G/B5G Mobile and Wireless Communications: Potential, Limitations, and Future Directions. <i>IEEE Access</i> , 2019 , 7, 137184-137206	3.5	117
302	Abnormal electricity consumption detection based on ensemble learning. 2019,		O
301	A Set of New Hermite Kernel Functions in Kernel Extreme Learning Machine and Application in Human Action Recognition. 2019 , 33, 1955014		2
300	ELM-MHC: An Improved MHC Identification Method with Extreme Learning Machine Algorithm. 2019 , 18, 1392-1401		39
299	A novel extreme learning Machine-based Hammerstein-Wiener model for complex nonlinear industrial processes. <i>Neurocomputing</i> , 2019 , 358, 246-254	5.4	25
298	Fast Sparse Deep Neural Networks: Theory and Performance Analysis. <i>IEEE Access</i> , 2019 , 7, 74040-7405	53.5	3
297	A Heterogeneous AdaBoost Ensemble Based Extreme Learning Machines for Imbalanced Data. 2019 , 13, 19-35		2
296	A novel fault diagnosis technique for wind turbine gearbox. 2019 , 82, 105556		25
295	Drivability evaluation model using principal component analysis and optimized extreme learning machine. 2019 , 25, 2274-2281		8
294	Unconstrained convex minimization based implicit Lagrangian twin random vector Functional-link networks for binary classification (ULTRVFLC). 2019 , 81, 105534		7
293	Voxel-Based Morphometry: Improving the Diagnosis of Alzheimer's Disease Based on an Extreme Learning Machine Method from the ADNI cohort. 2019 , 414, 273-279		15

292	Prediction of CO2 Solubility in Ionic Liquids Based on Multi-Model Fusion Method. 2019 , 7, 258	4
291	Hypercomplex extreme learning machine with its application in multispectral palmprint recognition. 2019 , 14, e0209083	4
290	A Hybrid Feature Extraction Method With Regularized Extreme Learning Machine for Brain Tumor Classification. <i>IEEE Access</i> , 2019 , 7, 36266-36273	96
289	A minimax probability extreme machine framework and its application in pattern recognition. 2019 , 81, 260-269	6
288	A CBA-KELM-Based Recognition Method for Fault Diagnosis of Wind Turbines with Time-Domain Analysis and Multisensor Data Fusion. 2019 , 2019, 1-14	3
287	Dental Image Analysis for Disease Diagnosis. 2019 ,	1
286	Elliot and Symmetric Elliot Extreme Learning Machines for Gaussian Noisy Industrial Thermal Modelling. 2019 , 12, 90	4
285	An evolutionary deep belief network extreme learning-based for breast cancer diagnosis. 2019 , 23, 13139-	13159
284	Combined kernel KELM prediction model based on quantum particle swarm optimization. 2019,	
283	Arbitrary norm semi-supervised extreme learning machine. 2019 , 37, 835-845	
282	Industrial Process Fault Classification Based on Weighted Stacked Extreme Learning Machine. 2019,	Ο
281	Suitability and importance of deep learning feature space in the domain of text categorisation. 2019 , 8, 73	2
280	Reviewers. 2019 ,	
279	Lightweight and High-Efficiency Coupler Suitable for Underwater WPT System. 2019,	Ο
278	Improvement of safety operating conditions in overhead conductors based on ampacity modeling using artificial neural networks. 2019 ,	Ο
277	Learning By Collaborative Teaching: An Engaging Multi-Party CoWriter Activity. 2019,	7
276	Constrained State-Preserved Extreme Learning Machine. 2019,	1
275	Recommender System for e-Learning based on Personal Learning Style. 2019 ,	8

274	Research on Trajectory Prediction Method of Mobile Pollution Source Based on Hybrid Genetic Particle Swarm and optimized Extreme Learning Machine. 2019 ,	
273	Why one should use Youla-Kucera parametrization in adaptive feedforward noise attenuation[] 2019 ,	O
272	A Brief Introduction of Face Recognition. 2019 ,	
271	Looking Back and Ahead: Adaptation and Planning by Gradient Descent. 2019,	
270	Kinematic Analysis of Effect on Walking Motion by Assistive Powered Wear with Wire-driven Assist. 2019 ,	1
269	A New Expert Hepatitis Diagnosis System Based on Linear Discriminant Analysis - Extreme Learning Machine Classifier. 2019 ,	
268	Photothermal Therapy Assisted Bioactive Nanoprobes for Effective Cancer Theranostics. 2019,	1
267	Wireless Data Transmission Method of Earthquake Early Warning Information in High Speed Railway. 2019 ,	O
266	Cataract Detection using Digital Image Processing. 2019,	4
265	Day-ahead Prediction of Building Occupancy using WiFi Signals. 2019,	2
264	Enneagram Approach for Intelligent Agile Integration. 2019 ,	1
264	Enneagram Approach for Intelligent Agile Integration. 2019, Numerical Modelling of Cylindrical/ Spherical Hail Ice Behaviour Under High-Velocity Impact. 2019,	1
·		1 O
263	Numerical Modelling of Cylindrical/ Spherical Hail Ice Behaviour Under High-Velocity Impact. 2019, Comparison Between High Frequency Sinusoidal Pulsating Voltage and Minimum-Voltage Vector	
263 262	Numerical Modelling of Cylindrical/ Spherical Hail Ice Behaviour Under High-Velocity Impact. 2019, Comparison Between High Frequency Sinusoidal Pulsating Voltage and Minimum-Voltage Vector Injection for Sensorless Control of PMSM Drives. 2019,	
263 262 261	Numerical Modelling of Cylindrical/ Spherical Hail Ice Behaviour Under High-Velocity Impact. 2019, Comparison Between High Frequency Sinusoidal Pulsating Voltage and Minimum-Voltage Vector Injection for Sensorless Control of PMSM Drives. 2019, Hardware/Software Design for the Simulation of AWGN Communication Channels. 2019,	O
263 262 261 260	Numerical Modelling of Cylindrical/ Spherical Hail Ice Behaviour Under High-Velocity Impact. 2019, Comparison Between High Frequency Sinusoidal Pulsating Voltage and Minimum-Voltage Vector Injection for Sensorless Control of PMSM Drives. 2019, Hardware/Software Design for the Simulation of AWGN Communication Channels. 2019, Self labeling online sequential extreme learning machine and it® application. 2019, 37, 4485-4491 A Combined Reward-Penalty Loss Function based Extreme Learning Machine for binary	O

256	Kernel Regression for Graph Signal Prediction in Presence of Sparse Noise. 2019,	1
255	A Prediction Method for Blood Glucose Based on Grey Wolf optimization Evolving Kernel Extreme Learning Machine. 2019 ,	4
254	Face recognition algorithm based on feature descriptor and weighted linear sparse representation. 2019 , 13, 2281-2293	3
253	An intelligent multi-floor indoor positioning system for cloud-based environment. 2019 , 1-8	5
252	Land Cover Classification by using of Multi-source Remote Sensing Image based on ELM. 2019,	
251	Feature selection for orthogonal broad learning system based on mutual information. 2019,	2
250	Multi-Class Learning from Label Proportions for Bank Customer Classification. 2019 , 162, 421-428	2
249	. 2019 , 21, 795-808	17
248	Lagrangian supervised and semi-supervised extreme learning machine. 2019 , 49, 303-318	14
247	Using Genetic Algorithm and ELM Neural Networks for Feature Extraction and Classification of Type 2-Diabetes Mellitus. 2019 , 33, 311-328	15
246	Big graph classification frameworks based on Extreme Learning Machine. <i>Neurocomputing</i> , 2019 , 330, 317-327	7
245	PPVF: A Novel Framework for Supporting Path Planning Over Carpooling. <i>IEEE Access</i> , 2019 , 7, 10627-10 6 . 4 3	6
244	Nondestructive Detection of Postharvest Quality of Cherry Tomatoes Using a Portable NIR Spectrometer and Chemometric Algorithms. 2019 , 12, 914-925	34
243	Ensemble based fuzzy weighted extreme learning machine for gene expression classification. 2019 , 49, 1161-1171	8
242	A comprehensive search for expert classification methods in disease diagnosis and prediction. 2019 , 36, e12343	13
241	Quantitative analysis of steel and iron by laser-induced breakdown spectroscopy using GA-KELM. 2019 , 21, 034020	5
240	Rough extreme learning machine: A new classification method based on uncertainty measure. Neurocomputing, 2019 , 325, 269-282 5-4	10
239	A quick survey of Artificial Neural Network based face classification algorithms. 2019 , 22, 9477-9488	

238	. 2019 , 49, 2175-2188	5
237	Tensor extreme learning design via generalized Moore B enrose inverse and triangular type-2 fuzzy sets. 2019 , 31, 5641-5651	9
236	Detecting Seam-Carved Image by Extreme Learning Machines Using Patch Analysis Method, Jury Voting, and Combinatorial Fusion. 2020 , 50, 1850-1864	3
235	EEG classification using sparse Bayesian extreme learning machine for braindomputer interface. 2020 , 32, 6601-6609	74
234	Blind Noisy Image Quality Assessment Using Sub-Band Kurtosis. 2020 , 50, 1146-1156	10
233	A genetic-ELM neural network computational method for diagnosis of the Parkinson disease gait dataset. 2020 , 97, 1087-1099	3
232	Intelligent Decision Support Systems A Journey to Smarter Healthcare. 2020,	5
231	Data Mining-Based Intelligent Decision Support Systems. 2020 , 103-258	1
230	A robust extreme learning machine framework for uncertain data classification. 2020 , 76, 2390-2416	2
229	Short-term electricity price forecasting and classification in smart grids using optimized multikernel extreme learning machine. 2020 , 32, 1457-1480	14
228	PR-KELM: Icing level prediction for transmission lines in smart grid. 2020 , 102, 75-83	6
227	An Optimized Data Distribution Model for ElasticChain to Support Blockchain Scalable Storage. 2020 , 76-85	1
226	An event recommendation model using ELM in event-based social network. 2020 , 32, 14375-14384	3
225	An experimental evaluation of extreme learning machines on several hardware devices. 2020 , 32, 14385-1439	71
224	EPF: A General Framework for Supporting Continuous Top-k Queries Over Streaming Data. 2020 , 12, 176-194	1
223	Nature-Inspired Computation in Data Mining and Machine Learning. 2020,	1
222	Bibliometric analysis of support vector machines research trend: a case study in China. 2020 , 11, 715-728	39
221	Fuzzy granularity neighborhood extreme clustering. <i>Neurocomputing</i> , 2020 , 379, 236-249 5.4	3

(2020-2020)

220	Ultra short-term probability prediction of wind power based on LSTM network and condition normal distribution. <i>Wind Energy</i> , 2020 , 23, 63-76	18
219	MicroRNA-181a exerts anti-inflammatory effects via inhibition of the ERK pathway in mice with intervertebral disc degeneration. 2020 , 235, 2676-2686	11
218	An expert system for predicting the velocity field in narrow open channel flows using self-adaptive extreme learning machines. 2020 , 151, 107202	8
217	Tackling Faults in the Industry 4.0 Era-A Survey of Machine-Learning Solutions and Key Aspects. 2019 , 20,	64
216	Ensemble of extreme learning machines for multivariate calibration of near-infrared spectroscopy. 2020 , 229, 117982	20
215	Logistic regression paradigm for training a single-hidden layer feedforward neural network. Application to gene expression datasets for cancer research. 2020 , 102, 103373	12
214	A semi-supervised Laplacian extreme learning machine and feature fusion with CNN for industrial superheat identification. <i>Neurocomputing</i> , 2020 , 381, 186-195	20
213	Unsupervised feature selection algorithm for multiclass cancer classification of gene expression RNA-Seq data. 2020 , 112, 1916-1925	11
212	Dissection of hyperspectral reflectance to estimate nitrogen and chlorophyll contents in tea leaves based on machine learning algorithms. 2020 , 10, 17360	17
211	Wearable Technology for Robotic Manipulation and Learning. 2020,	2
210	Hybrid Machine Learning Model of Extreme Learning Machine Radial basis function for Breast Cancer Detection and Diagnosis; a Multilayer Fuzzy Expert System. 2020 ,	6
209	Power load forecasting in energy system based on improved extreme learning machine. 2020 , 38, 1194-1211	4
208	A novel algorithm of Nested-ELM for predicting blasting vibration. 2020 , 1	6
207	Recursive Prediction of Graph Signals With Incoming Nodes. 2020,	O
206	Automated classification of types of brain tumor in T1-weighted MR images: A thorough comparative study. 2020 ,	
205	Frequency Response Function-Based Finite Element Model Updating Using Extreme Learning Machine Model. 2020 , 2020, 1-10	O
204	A comparison of machine learning algorithms for assessment of delamination in fiber-reinforced polymer composite beams. 2020 , 147592172096715	8
203	Fisher-regularized supervised and semi-supervised extreme learning machine. 2020 , 62, 3995-4027	1

202	RF-PCA: A New Solution for Rapid Identification of Breast Cancer Categorical Data Based on Attribute Selection and Feature Extraction. 2020 , 11, 566057	5
201	An Obstacle Detection Method for USV by Fusing of Radar and Motion Stereo. 2020 ,	
200	Detecting pathological brain via ResNet and randomized neural networks. 2020 , 6, e05625	6
199	Kernel extreme learning machine for flatness pattern recognition in cold rolling mill based on particle swarm optimization. 2020 , 42, 1	4
198	Fault diagnosis of rotating machinery components using a deep kernel extreme learning machine under different working conditions. 2020 , 31, 115901	8
197	Bidirectional Broad Learning System. 2020 ,	2
196	Conditioning optimization of extreme learning machine by multitask beetle antennae swarm algorithm. 2020 , 12, 151-164	2
195	A Transducer for Measuring the Field Quality in Superconducting Solenoids. 2020 , 30, 1-5	2
194	Non-Destructive Detection of Tea Leaf Chlorophyll Content Using Hyperspectral Reflectance and Machine Learning Algorithms. 2020 , 9,	14
193	A REAL-TIME AUTOMATIC METHOD FOR TARGET LOCATING UNDER UNKNOWN WALL CHARACTERISTICS IN THROUGH-WALL IMAGING. 2020 , 89, 189-197	1
192	Direct Solution of Scattering Problems Using Generalized Source Integral Equations. 2020 , 68, 5512-5523	4
191	Detection of abnormal brain in MRI via improved AlexNet and ELM optimized by chaotic bat algorithm. 2020 , 33, 10799	25
190	Capped L1-norm distance metric-based fast robust twin extreme learning machine. 2020 , 50, 3775-3787	О
189	An ECoG-Based Binary Classification of BCI Using Optimized Extreme Learning Machine. <i>Complexity</i> , 2020 , 2020, 1-13	2
188	Deep and wide feature based extreme learning machine for image classification. <i>Neurocomputing</i> , 2020 , 412, 426-436	8
187	Design of Photovoltaic Array Fault Online Evaluation System. 2020 ,	1
186	The beginnings. 2020 , 79-160	
185	Extreme Learning Regression for nu Regularization. 2020 , 34, 378-395	

(2020-2020)

A low rank robust kernel ridge regression classifier for power quality disturbance pattern 184 recognition. 2020, 23, 219-240 Max-Plus Approach Based Intelligent Coordinated Transmission for Robot Swarms. IEEE Access, 183 3.5 **2020**, 8, 27524-27531 Low-Memory CNNs Enabling Real-Time Ultrasound Segmentation Towards Mobile Deployment. 182 4 2020, Novel soft sensor development using echo state network integrated with singular value 181 29 decomposition: Application to complex chemical processes. 2020, 200, 103981 A New Probabilistic Output Constrained Optimization Extreme Learning Machine. IEEE Access, 2020 180 3.5 Ο , 8, 28934-28946 Shear, Torsion and Pressure Tactile Sensor via Plastic Optofiber Guided Imaging. 2020, 5, 2618-2625 179 Unconstrained convex minimization based implicit Lagrangian twin extreme learning machine for 178 9 classification (ULTELMC). 2020, 50, 1327-1344 Multivariable nonlinear predictive control of a clinker sintering system at different working states by combining artificial neural network and autoregressive exogenous. 2020, 12, 168781401989650 Daily Activity Monitoring and Fall Detection Based on Surface Electromyography and Plantar 1.6 176 12 Pressure. Complexity, 2020, 2020, 1-12 An ELM-Embedded Deep Learning Based Intelligent Recognition System for Computer Numeric 6 175 3.5 Control Machine Tools. IEEE Access, 2020, 8, 24616-24629 High-Bandwidth Sensorless Control of Synchronous Reluctance Machines in the Low- and 174 2 Zero-Speed Range. **2020**, 56, 2663-2672 An Analog Circuit Fault Diagnosis Method Based on Circle Model and Extreme Learning Machine. 173 **2020**, 10, 2386 Millimeter-Wave Single-Layer Full-Band WR12 Vertical Waveguide Transition. 2020, 172 1 Japanese Recipe Interpretation for Motion Process Generation of Cooking Robot. 2020, 171 O Breast microcalcifications detection based on fusing features with DTCWT. 2020, 28, 197-218 170 \circ Supervised and semi-supervised twin parametric-margin regularized extreme learning machine. 169 2020, 23, 1603-1626 Selective ensemble of uncertain extreme learning machine for pattern classification with missing 168 2 features. 2020, 53, 5881-5905 Security Issues With Fog Computing. 2020, 167

166	Modified Instantaneous Power Control With Phase Compensation and Current-Limited Function Under Unbalanced Grid Faults. 2021 , 9, 2896-2906	9
165	Computer-Aided Dementia Diagnosis Based on Hierarchical Extreme Learning Machine. 2021 , 13, 34-48	4
164	Brand classification of detergent powder using near-infrared spectroscopy and extreme learning machines. 2021 , 160, 105691	3
163	. 2021 , 8, 4749-4761	10
162	A coiflet LDMR and coiflet OB-ELM for river suspended sediment load prediction. 2021 , 18, 2675-2692	7
161	Extreme ensemble of extreme learning machines. 2021 , 14, 116-128	O
160	Detecting Water Depth from Remotely Sensed Imagery Based on ELM and GA-ELM. 2021 , 49, 947-957	1
159	Evaluating the performances of several artificial intelligence methods in forecasting daily streamflow time series for sustainable water resources management. 2021 , 64, 102562	41
158	A fast determination of insecticide deltamethrin by spectral data fusion of UV-vis and NIR based on extreme learning machine. 2021 , 247, 119119	9
157	Fault Detection Based on a Combined Approach of FA-CP-ELM with Application to Wind Turbine System. 2021 , 16, 547-557	O
156	Forecasting of e-commerce transaction volume using a hybrid of extreme learning machine and improved moth-flame optimization algorithm. 2021 , 51, 952-965	8
155	A hybrid optimization framework for road traffic accident data. 2021 , 26, 246-257	1
154	Islanding detection in distributed energy resources based on gradient boosting algorithm. 2021 , 15, 436-451	1
153	Regularized based implicit Lagrangian twin extreme learning machine in primal for pattern classification. 2021 , 12, 1311-1342	10
152	A novel recursive gene selection method based on least square kernel extreme learning machine. 2021 , PP,	2
151	Classification with ensembles and case study on functional magnetic resonance imaging. 2021,	2
150	A Review on Lung Cancer Diagnosis Using Data Mining Algorithms. 2021 , 17, 16-26	0
149	Prediction and Stability Assessment of Soft Foundation Settlement of the Fishbone-Shaped Dike Near the Estuary of the Yangtze River Using Machine Learning Methods. 2021 , 13, 3744	3

148	Simulating reference crop evapotranspiration with different climate data inputs using Gaussian exponential model. 2021 , 28, 41317-41336	O
147	Classification of different liquid milk by near-infrared spectroscopy and ensemble modeling. 2021 , 251, 119460	5
146	Random compact Gaussian kernel: Application to ELM classification and regression. 2021, 217, 106848	5
145	A review on extreme learning machine. 1	26
144	Numerical solving of the generalized Black-Scholes differential equation using Laguerre neural network. 2021 , 112, 103003	9
143	Real time identification of anomalous events in coastal regions using deep learning techniques. 2021 , 33, e6421	1
142	Reduce Training Error of Extreme Learning Machine by Selecting Appropriate Hidden Layer Output Matrix. 2021 , 30, 552	О
141	Fast SAR Autofocus Based on Ensemble Convolutional Extreme Learning Machine. 2021 , 13, 2683	5
140	Combining dynamic XFEM with machine learning for detection of multiple flaws.	1
139	An efficient alpha seeding method for optimized extreme learning machine-based feature selection algorithm. 2021 , 134, 104505	5
138	ELM Network Intrusion Detection Model Based on SLPP Feature Extraction. 2021,	
137	Deep learning artificial neural networks for non-destructive archaeological site dating. 2021 , 132, 105413	4
136	Modified added activation function based exponential robust random vector functional link network with expanded version for nonlinear system identification. 1	
135	Study of the Optimal Waveforms for Non-Destructive Spectral Analysis of Aqueous Solutions by Means of Audible Sound and Optimization Algorithms. 2021 , 11, 7301	O
134	Tensor-based dynamic brain functional network for motor imagery classification. 2021 , 69, 102940	О
133	Kernel Risk-Sensitive Loss based Hyper-graph Regularized Robust Extreme Learning Machine and Its Semi-supervised Extension for Classification. 2021 , 227, 107226	2
132	Generalized eigenvalue extreme learning machine for classification. 1	1
131	Research and application of neural network for tread wear prediction and optimization. 2022, 162, 108070	2

130	COVID19 Classification Using CT Images via Ensembles of Deep Learning Models. 2021 , 69, 319-337	11
129	Salient Object Detection Based on Visual Perceptual Saturation and Two-Stream Hybrid Networks. 2021 , 30, 4773-4787	7
128	An Improved Extreme Learning Machine Tuning by Flower Pollination Algorithm. 2020, 95-112	1
127	A Novel Hybrid RNN-ELM Architecture for Crime Classification. 2020 , 876-882	1
126	Efficient Data Representation Combining with ELM and GNMF. 2014 , 13-23	1
125	ELM-Based Adaptive Live Migration Approach of Virtual Machines. 2014, 113-134	1
124	A Deep and Stable Extreme Learning Approach for Classification and Regression. 2015 , 141-150	5
123	Adaptive Neural Control of a Quadrotor Helicopter with Extreme Learning Machine. 2015 , 125-134	2
122	Face Recognition Based on Kernelized Extreme Learning Machine. 2011 , 263-272	22
121	A Hybrid Gene Selection and Classification Approach for Microarray Data Based on Clustering and PSO. 2013 , 88-93	6
120	Simplified Constraints Rank-SVM for Multi-label Classification. 2014 , 229-236	3
119	Least Squares Twin Extreme Learning Machine for Pattern Classification. 2019 , 561-571	5
118	Hybrid classification approach using extreme learning machine and sparse representation classifier with adaptive threshold. 2018 , 12, 811-818	2
117	Face recognition using feature coding and nonlocal constraint-based sparse representation classifier. 2018 , 27, 1	1
116	Predictors of outpatients[ho-show: big data analytics using apache spark. 2020 , 7,	3
115	Network Traffic Classification via Kernel Based Extreme Learning Machine. 2016 , 4, 109-113	3
114	Pruned Fast Learning Fuzzy Approach for Data-Driven Traffic Flow Prediction. 2016 , 20, 1181-1191	2
113	A Survey on Different Feature Extraction and Classification Techniques Used in Image Steganalysis. 2017 , 08, 186-202	9

112	K-SVM: An Effective SVM Algorithm Based on K-means Clustering. 2013, 8,		17
111	An Automatic Diagnosis System for Hepatitis Diseases Based on Genetic Wavelet Kernel Extreme Learning Machine. 2016 , 11, 993-1002		10
110	Laplacian Generalized Eigenvalues Extreme Learning Machine. 1		
109	Numerical solution and bifurcation analysis of nonlinear partial differential equations with extreme learning machines. 2021 , 89, 1		2
108	Random radial basis function kernel-based support vector machine. 2021 , 358, 10121-10121		5
107	Study on v-SVM for Classification Optimization Problem without Bias. 2011 , 33, 1998-2002		
106	Research of Dynamic Load Identification Based on Extreme Learning Machine. 2012 , 80-89		
105	Online Sequential Extreme Learning of Sparse Ridgelet Kernel Regressor for Nonlinear Time-Series Prediction. 2012 , 17-26		
104	Ensensitive Criterion and Structure Risk Based Radius-basis-function Neural-network Modeling. 2012 , 34, 1414-1419		
103	HONNs with Extreme Learning Machine to Handle Incomplete Datasets. 2013 , 276-292		
102	A New UWB Target Detection and Identification Method Based on Extreme Learning Machine. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 453-459	0.2	О
101	Learning Capabilities of ELM-Trained Time-Varying Neural Networks. 2014 , 41-52		
100	Learning Capabilities of ELM-Trained Time-Varying Neural Networks. 2014 , 41-52 A Semi-supervised Online Sequential Extreme Learning Machine Method. 2015 , 301-310		
100	A Semi-supervised Online Sequential Extreme Learning Machine Method. 2015 , 301-310 An Online Sequential Extreme Learning Machine for Tidal Prediction Based on Improved Gath-Geva		0
100	A Semi-supervised Online Sequential Extreme Learning Machine Method. 2015, 301-310 An Online Sequential Extreme Learning Machine for Tidal Prediction Based on Improved Gath-Geva Fuzzy Segmentation. 2015, 243-252		0
100 99 98	A Semi-supervised Online Sequential Extreme Learning Machine Method. 2015, 301-310 An Online Sequential Extreme Learning Machine for Tidal Prediction Based on Improved Gath-Geva Fuzzy Segmentation. 2015, 243-252 Distributed Learning over Massive XML Documents in ELM Feature Space. 2015, 279-288		

94	Routing Tree Maintenance Based on Trajectory Prediction in Mobile Sensor Networks. 2016, 409-421
93	Multi-label Text Categorization Using (L_{21})-norm Minimization Extreme Learning Machine. 2016 , 121-133
92	NMR Image Segmentation Based on Unsupervised Extreme Learning Machine. 2016 , 333-346
91	Beauty Analysis by Learning Machine and Subspace Extension. 2016 , 167-197
90	Sparse Extreme Learning Machine Using Privileged Information for Classification. 2017 , 205-213
89	A fault diagnosis method for a practical engineering application based on CEEMD and ELM. 2017 , 11, 46-51
88	Reproducing Polynomial Kernel Extreme Learning Machine. 2017 , 21, 795-802
87	Bearing fault diagnosis based on intrinsic time-scale decomposition and extreme learning machine. 2017 , 14, 97-101
86	A Pulse Wave Based Blood Pressure Monitoring and Analysis Algorithm. 2018 , 211-221
85	Face Recognition Using Improved Extended Sparse Representation Classifier and Feature Descriptor. 2018 , 306-318
84	Application Study of Extreme Learning Machine in Image Edge Extraction. 2019 , 35-45
83	Intelligent Machine Tools Recognition Based on Hybrid CNNs and ELMs Networks. 2020 , 247-252
82	A Fast Algorithm for Sparse Extreme Learning Machine. 2020 , 55-64
81	Efficient and Fast Expression Recognition with Deep Learning CNN-ELM. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 340-348
80	Proposing an Integrated Method based on Fuzzy Tuning and ICA Techniques to Identify the Most Influencing Features in Breast Cancer. 2019 , 21,
79	Tek Gizli KatmanlÆeri Beslemeli Sinir Alarēda Gizli NĒonlarē Etkisi. 277-286
78	Ensemble Learning via Extreme Learning Machines for Imbalanced Data. 2020 , 59-88
77	Applications of Developed Wearable Devices. 2020 , 89-123

76	Hybrid Machine Learning Model of Extreme Learning Machine Radial basis function for Breast Cancer Detection and Diagnosis; a Multilayer Fuzzy Expert System.		2
75	Effective and Efficient LDA+ELM Model for Supervised Classification of Brain Tumor Types Using 2D MRI Scans. 2019 , 9, 160-173		
74	Extreme learning machine with feature mapping of kernel function. 2020, 14, 2495-2502		1
73	A dynamic material handling scheduling method based on elite opposition learning self-adaptive differential evolution-based extreme learning machine (EOADE-ELM) and knowledge base (KB) for line-integrated supermarkets. 1		O
72	Kernel risk-sensitive mean p-power loss based hyper-graph regularized robust extreme learning machine and its semi-supervised extension for sample classification. 1		
71	Intrusion detection based on machine learning techniques in computer networks. 2021 , 16, 100462		9
70	Supervised Machine Learning in 5G NSA Networks for Coverage and Performance Analysis. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 910-916	0.2	О
69	Extreme Learning Machine for Business Sales Forecasts: A Systematic Review. 2021 , 87-96		
68	Swarm-Based Extreme Learning Machine Models for Global Optimization. 2022 , 70, 6339-6363		1
67	Partial least squares regression residual extreme learning machine (PLSRR-ELM) calibration algorithm applied in fast determination of gasoline octane number with near-infrared spectroscopy. 2022 , 309, 122224		3
66	Dimensionality Reduction with Extreme Learning Machine Based on Manifold Preserving. 2020 , 128-13	38	
65	Study and Understanding the Significance of Multilayer-ELM Feature Space. 2020 , 28-48		2
64	Research of Lung Cancer-Assisted Diagnosis Algorithm Based on Multi-scale Convolution Kernel Network. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 497-505	0.2	
63	Impact of multilayer ELM feature mapping technique on supervised and semi-supervised learning algorithms. 2022 , 26, 423		2
62	Assessment and Prediction of Land Use/Land Cover Changes of Beas Basin Using a Modeling Approach. 2022 , 471-487		1
61	Rotary Bearing Fault Diagnosis Based on Improved VMD Algorithm and ELM. 2020,		
60	An Efficient Action Recognition Framework Based on ELM and 3D CNN. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 641-648	0.2	
59	Nickel Foam Surface Defect Identification Based on Improved Probability Extreme Learning Machine. 2020 , 13, 604-610		

58	Detection of adulterants in medicinal products by infrared spectroscopy and ensemble of window extreme learning machine. 2022 , 173, 107009		0
57	Assessment of Uncertainties in Modelling Land Use Change with an Integrated Cellular AutomataMarkov Chain Model. <i>Environmental Modeling and Assessment</i> , 1	2	2
56	Learning Paradigms for Neural Networks for Automated Medical Diagnosis. 2022, 165-180		
55	Expert system based detection and classification of coronary artery disease using ranking methods and nonlinear attributes. 1		O
54	Automated health detection of congestive heart failure subject using rank multiresolution wavelet packet attributes and 1-norm linear programming ELM. 1		
53	Rapid detection of mussels contaminated by heavy metals using near-infrared reflectance spectroscopy and a constrained difference extreme learning machine 2021 , 269, 120776		4
52	A Novel Fault Diagnosis Method Based on the KELM Optimized by Whale Optimization Algorithm. 2022 , 10, 93		4
51	Action recognition algorithm based on skeletal joint data and adaptive time pyramid. 1		1
50	A predictor-corrector affine scaling method to train optimized extreme learning machine. 2022 , 359, 1713-1731		1
49	Predicting the severity of COVID -19 patients using a multi-threaded evolutionary feature selection algorithm.		1
48	A Radar Emitter Recognition Mechanism Based on IFS-Tri-Training Classification Processing. 2022 , 11, 1078		
47	Intelligent color matching model for wood dyeing using Genetic Algorithm and Extreme learning machine. 2022 , 1-11		1
46	A New Algorithm for Multivariate Genome Wide Association Studies Based on Differential Evolution and Extreme Learning Machines. 2022 , 10, 1024		1
45	Mixed Structure with 3D Multi-Shortcut-Link Networks for Hyperspectral Image Classification. 2022 , 14, 1230		O
44	A Comprehensive Survey on the Detection, Classification, and Challenges of Neurological Disorders 2022 , 11,		О
43	Diagnosis for multiple faults of chiller using ELM-KNN model enhanced by multi-label learning and specific feature combinations. 2022 , 214, 108904		1
42	Diagnosis and distinguishment of open-switch and current sensor faults in PMSM drives using improved regularized extreme learning machine. 2022 , 171, 108866		О
41	Data_Sheet_1.PDF. 2020 ,		

40	A Case Study Showcasing the Use of Extreme Learning Machine Based on in-line Inspection Data. 2022 ,		O
39	An effective wind speed prediction model combining secondary decomposition and regularised extreme learning machine optimised by cuckoo search algorithm. <i>Wind Energy</i> ,	3.4	1
38	Variable weights combination MIDAS model based on ELM for natural gas price forecasting. <i>IEEE Access</i> , 2022 , 1-1	3.5	
37	Extreme learning machine and ensemble techniques for classification of rolling element bearing defects. <i>Life Cycle Reliability and Safety Engineering</i> ,	0.6	
36	Lagrangian Regularized Twin Extreme Learning Machine for Supervised and Semi-Supervised Classification. <i>Symmetry</i> , 2022 , 14, 1186	2.7	
35	Research on Fault Location and Detection of Photovoltaic Arrays Based on IoT Applications. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 543-551	0.2	
34	A Heterogeneous AdaBoost Ensemble Based Extreme Learning Machines for Imbalanced Data. 2022 , 568-585		
33	Application of Extreme Learning Machine to Reservoir Proxy Modeling. <i>Environmental Modeling and Assessment</i> ,	2	
32	Optimising the Selection of Input Variables to Increase the Predicting Accuracy of Shear Strength for Deep Beams. <i>Complexity</i> , 2022 , 2022, 1-23	1.6	1
31	Anomaly Score-Based Risk Early Warning System for Rapidly Controlling Food Safety Risk. <i>Foods</i> , 2022 , 11, 2076	4.9	1
30	Auto-encoder-extreme learning machine model for boiler NOx emission concentration prediction. <i>Energy</i> , 2022 , 256, 124552	7.9	4
29	Rapidly detecting fennel origin of the near-infrared spectroscopy based on extreme learning machine. 2022 , 12,		1
28	Assessing the correlation between the sustainable energy for all with doing a business by artificial neural network.		
27	Optimization of an extreme learning machine model with the sparrow search algorithm to estimate spring maize evapotranspiration with film mulching in the semiarid regions of China. 2022 , 201, 107298	:	1
26	Numerical performance evaluation of debonding strength in fiber reinforced polymer composites using three hybrid intelligent models. 2022 , 173, 103193		О
25	Distribution Adaptation and Classification Framework Based on Multiple Kernel Learning for Motor Imagery BCI Illiteracy. 2022 , 22, 6572		1
24	An Efficient Approach for Accident Severity Classification in Smart Transportation System.		О
23	Tool Cutting Force Prediction Model Based on ALO-ELM Algorithm. 2022 , 2022, 1-8		O

22	Robust projection twin extreme learning machines with capped L1-norm distance metric. 2022,	O
21	Deep features optimization based on a transfer learning, genetic algorithm, and extreme learning machine for robust content-based image retrieval. 2022 , 17, e0274764	O
20	An Improved Software Reliability Prediction Model by Using Feature Selection and Extreme Learning Machine. 2022 , 219-231	0
19	An Efficient Intrusion Detection Method Based on Federated Transfer Learning and an Extreme Learning Machine with Privacy Preservation. 2022 , 2022, 1-13	O
18	Calibration Transfer for ChemCam Spectral Data from Different Laser-Induced Breakdown Spectrometers Via a Deep Extreme Learning Machine. 2022 , 89, 1002-1013	О
17	Semi-supervised learning with graph convolutional extreme learning machines. 2023 , 213, 119164	O
16	Predicting anisotropic parameters of strata by deep multiple triangular kernel extreme learning machine optimized by flower pollination algorithm. 2023 , 209, 104904	О
15	Method of Metal Button Defect Detection Based on Extreme Learning Machine and Sparse Representation. 2021 , 8, 62-68	O
14	Time efficient variants of Twin Extreme Learning Machine. 2023 , 17, 200169	0
13	A Novel Feature Selection Based Text Classification Using Multi-layer ELM. 2022 , 33-52	O
12	Survey and Evaluation of Extreme Learning Machine on TF- IDF Feature for Sentiment Analysis. 2022 ,	О
11	Deep learning machine based ship parametric rolling simulation and recognition algorithms. 2023 , 276, 114137	O
10	BCDNet: An Optimized Deep Network for Ultrasound Breast Cancer Detection. 2023, 44, 100774	О
9	A novel permeability index prediction method for blast furnace based on the improved extreme learning machine. 2022 ,	O
8	Simultaneous Fault Diagnosis Based on Hierarchical Multi-Label Classification and Sparse Bayesian Extreme Learning Machine. 2023 , 13, 2376	0
7	Broad Embedded Logistic Regression Classifier for Prediction of Air Pressure Systems Failure. 2023 , 11, 1014	O
6	A real-time prediction interval correction method with an unscented Kalman filter for settlement monitoring of a power station dam. 2023 , 13,	0
5	A hybrid deep learning CNN-ELM approach for parking space detection in Smart Cities.	Ο

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4	Intrusion detection algorithom based on transfer extreme learning machine. 2023 , 27, 463-482	Ο
3	A Novel Transfer Extreme Learning Machine from Multiple Sources for Intrusion Detection.	O
2	A Review of multilayer extreme learning machine neural networks.	О
1	A Generalized Adaptive Robust Distance Metric Driven Smooth Regularization Learning Framework for Pattern Recognition. 2023 , 109102	O