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Convex incremental extreme learning machine

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#	Paper I	F	Citations
949	Feature Bispectra Based Real Time FM Signal Recognition Using Adaptive Incremental Learning Feedforward Neural Network. 2007 ,		
948	Convergence analysis of convex incremental neural networks. 2008 , 52, 67-80		4
947	Incremental extreme learning machine with fully complex hidden nodes. <i>Neurocomputing</i> , 2008 , 71, 576-5	<u>5</u> .83	230
946	Enhanced random search based incremental extreme learning machine. <i>Neurocomputing</i> , 2008 , 71, 3460	5 3468	679
945	Neural networks stabilization and disturbance attenuation for nonlinear switched impulsive systems. <i>Neurocomputing</i> , 2008 , 71, 1741-1747	5.4	40
944	Evolutionary product-unit neural networks classifiers. <i>Neurocomputing</i> , 2008 , 72, 548-561	5.4	65
943	A fast pruned-extreme learning machine for classification problem. <i>Neurocomputing</i> , 2008 , 72, 359-366	5.4	278
942	A protein secondary structure prediction framework based on the Extreme Learning Machine. Neurocomputing, 2008, 72, 262-268	5.4	105
941	An improvement of extreme learning machine for compact single-hidden-layer feedforward neural networks. 2008 , 18, 433-41		56
940	Training two-layered feedforward networks with variable projection method. 2008, 19, 371-5		33
939	Reply to Comments on The Extreme Learning Machine 2008, 19, 1495-1496		19
938	Extreme learning machine for multi-categories classification applications. 2008,		32
937	Comments on "Adaptive neural control for a class of nonlinearly parametric time-delay systems". 2008 , 19, 1496-8; author reply 1498		6
936	A weights-directly-determined simple neural network for nonlinear system identification. 2008,		14
935	Extreme Learning Machine based bacterial protein subcellular localization prediction. 2008,		3
934	An Efficient Adaptive Optimization Scheme. 2008 , 41, 5071-5076		1
933	A fast and accurate collaborative filter. 2009,		2

(2010-2009)

932	AN INCREMENTAL FRAMEWORK BASED ON CROSS-VALIDATION FOR ESTIMATING THE ARCHITECTURE OF A MULTILAYER PERCEPTRON. 2009 , 23, 159-190		16
931	Model selection criteria for image restoration. 2009 , 20, 1357-63		19
930	Simplified neural networks algorithm for function approximation on discrete input spaces in high dimension-limited sample applications. <i>Neurocomputing</i> , 2009 , 72, 1078-1083	5.4	1
929	II plane and robustness in static reservoir for nonlinear regression estimation. <i>Neurocomputing</i> , 2009 , 72, 1732-1743	5.4	9
928	Systemical convergence rate analysis of convex incremental feedforward neural networks. <i>Neurocomputing</i> , 2009 , 72, 2627-2635	5.4	11
927	Partial Lanczos extreme learning machine for single-output regression problems. <i>Neurocomputing</i> , 2009 , 72, 3066-3076	5.4	47
926	An adaptive optimization scheme with satisfactory transient performance. 2009, 45, 716-723		64
925	Approximation capabilities of multilayer fuzzy neural networks on the set of fuzzy-valued functions?. 2009 , 179, 2762-2773		17
924	Batch-to-Batch Iterative Learning Control of a Batch Polymerization Process Based on Online Sequential Extreme Learning Machine. 2009 , 48, 11108-11114		9
923	Real-Time Collaborative Filtering Using Extreme Learning Machine. 2009,		2
922	Large scale nonlinear control system fine-tuning through learning. 2009 , 20, 1009-23		60
921	Error minimized extreme learning machine with growth of hidden nodes and incremental learning. 2009 , 20, 1352-7		472
920	Extreme-learning-machine-based land cover classification. 2009 , 30, 3835-3841		61
919	A constructive enhancement for Online Sequential Extreme Learning Machine. 2009,		3
918	Online sequential fuzzy extreme learning machine for function approximation and classification problems. 2009 , 39, 1067-72		265
917	Modelling and prediction for steel billet temperature of heating furnace. 2010 , 2, 342		4
916	POFGEC: growing neural network of classifying potential function generators. 2010 , 2, 130		
915	Composite function wavelet neural networks with extreme learning machine. <i>Neurocomputing</i> , 2010 , 73, 1405-1416	5.4	70

914	Constructive hidden nodes selection of extreme learning machine for regression. <i>Neurocomputing</i> , 2010 , 73, 3191-3199	5.4	103
913	A sequential learning algorithm for self-adaptive resource allocation network classifier. <i>Neurocomputing</i> , 2010 , 73, 3012-3019	5.4	104
912	Two-stage extreme learning machine for regression. <i>Neurocomputing</i> , 2010 , 73, 3028-3038	5.4	73
911	Optimization method based extreme learning machine for classification. <i>Neurocomputing</i> , 2010 , 74, 15.	5- <u>ქ.</u> థ 3	640
910	Approximation capability of interpolation neural networks. <i>Neurocomputing</i> , 2010 , 74, 457-460	5.4	18
909	Ordinal extreme learning machine. <i>Neurocomputing</i> , 2010 , 74, 447-456	5.4	60
908	OP-KNN: Method and Applications. 2010 , 2010, 1-6		3
907	Stable indirect adaptive fuzzy-neuro control for a class of nonlinear systems. 2010 ,		2
906	Constructive approximation to multivariate function by decay RBF neural network. 2010 , 21, 1517-23		47
905	An Ensemble ELM Based on Modified AdaBoost.RT Algorithm for Predicting the Temperature of Molten Steel in Ladle Furnace. 2010 , 7, 73-80		124
905 904			124
	Molten Steel in Ladle Furnace. 2010 , 7, 73-80		124 O
904	Molten Steel in Ladle Furnace. 2010, 7, 73-80 Nonlinear modeling of hysteresis in piezoelectric actuators. 2011,	5.4	
9°4 9°3	Molten Steel in Ladle Furnace. 2010, 7, 73-80 Nonlinear modeling of hysteresis in piezoelectric actuators. 2011, Modeling of rate-dependent hysteresis using extreme learning machine based neural model. 2011,	5·4 5·4	0
9°4 9°3 9°2	Molten Steel in Ladle Furnace. 2010, 7, 73-80 Nonlinear modeling of hysteresis in piezoelectric actuators. 2011, Modeling of rate-dependent hysteresis using extreme learning machine based neural model. 2011, A study on effectiveness of extreme learning machine. <i>Neurocomputing</i> , 2011, 74, 2483-2490 A new robust training algorithm for a class of single-hidden layer feedforward neural networks.		0 194
904 903 902	Molten Steel in Ladle Furnace. 2010, 7, 73-80 Nonlinear modeling of hysteresis in piezoelectric actuators. 2011, Modeling of rate-dependent hysteresis using extreme learning machine based neural model. 2011, A study on effectiveness of extreme learning machine. <i>Neurocomputing</i> , 2011, 74, 2483-2490 A new robust training algorithm for a class of single-hidden layer feedforward neural networks. <i>Neurocomputing</i> , 2011, 74, 2491-2501 GPU-accelerated and parallelized ELM ensembles for large-scale regression. <i>Neurocomputing</i> , 2011,	5.4	o 194 38
904 903 902 901 900	Nonlinear modeling of hysteresis in piezoelectric actuators. 2011, Modeling of rate-dependent hysteresis using extreme learning machine based neural model. 2011, A study on effectiveness of extreme learning machine. Neurocomputing, 2011, 74, 2483-2490 A new robust training algorithm for a class of single-hidden layer feedforward neural networks. Neurocomputing, 2011, 74, 2491-2501 GPU-accelerated and parallelized ELM ensembles for large-scale regression. Neurocomputing, 2011, 74, 2430-2437 Fast automatic two-stage nonlinear model identification based on the extreme learning machine.	5·4 5·4	o 194 38 147

(2012-2011)

896	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
895	Upper integral network with extreme learning mechanism. <i>Neurocomputing</i> , 2011 , 74, 2520-2525	5.4	89
894	Image deblurring with filters learned by extreme learning machine. <i>Neurocomputing</i> , 2011 , 74, 2464-2	47 4 .4	25
893	Combining local face image features for identity verification. <i>Neurocomputing</i> , 2011 , 74, 2452-2463	5.4	7
892	Optimization approximation solution for regression problem based on extreme learning machine. <i>Neurocomputing</i> , 2011 , 74, 2475-2482	5.4	31
891	Predicting the probability of ice storm damages to electricity transmission facilities based on ELM and Copula function. <i>Neurocomputing</i> , 2011 , 74, 2573-2581	5.4	11
890	Face recognition based on extreme learning machine. <i>Neurocomputing</i> , 2011 , 74, 2541-2551	5.4	153
889	TROP-ELM: A double-regularized ELM using LARS and Tikhonov regularization. <i>Neurocomputing</i> , 2011 , 74, 2413-2421	5.4	197
888	SELM: Semi-supervised ELM with application in sparse calibrated location estimation. <i>Neurocomputing</i> , 2011 , 74, 2566-2572	5.4	70
887	Extreme learning machines: a survey. 2011 , 2, 107-122		1288
88 ₇	Extreme learning machines: a survey. 2011, 2, 107-122 Approximation of functions with spatial inhomogeneity based on ErueEbrtho-ridgelet neural network. 2011, 11, 2444-2451		1288
	Approximation of functions with spatial inhomogeneity based on Eruelbrtho-ridgelet neural	5.4	
886	Approximation of functions with spatial inhomogeneity based on ErueEbrtho-ridgelet neural network. 2011 , 11, 2444-2451 Extreme and incremental learning based single-hidden-layer regularization ridgelet network.	5.4	
886	Approximation of functions with spatial inhomogeneity based on ErueEbrtho-ridgelet neural network. 2011 , 11, 2444-2451 Extreme and incremental learning based single-hidden-layer regularization ridgelet network. <i>Neurocomputing</i> , 2011 , 74, 1809-1814 The multidimensional function approximation based on constructive wavelet RBF neural network.	5.4	3
886 885 884	Approximation of functions with spatial inhomogeneity based on Bruelbrtho-ridgelet neural network. 2011, 11, 2444-2451 Extreme and incremental learning based single-hidden-layer regularization ridgelet network. Neurocomputing, 2011, 74, 1809-1814 The multidimensional function approximation based on constructive wavelet RBF neural network. 2011, 11, 2173-2177		3 1 30
886 885 884	Approximation of functions with spatial inhomogeneity based on ErueEbrtho-ridgelet neural network. 2011, 11, 2444-2451 Extreme and incremental learning based single-hidden-layer regularization ridgelet network. Neurocomputing, 2011, 74, 1809-1814 The multidimensional function approximation based on constructive wavelet RBF neural network. 2011, 11, 2173-2177 Autonomous and Intelligent Systems. Lecture Notes in Computer Science, 2011, A modified ELM algorithm for single-hidden layer feedforward neural networks with linear nodes.		3 1 30 3
886 885 884 883	Approximation of functions with spatial inhomogeneity based on Bruelbrtho-ridgelet neural network. 2011, 11, 2444-2451 Extreme and incremental learning based single-hidden-layer regularization ridgelet network. Neurocomputing, 2011, 74, 1809-1814 The multidimensional function approximation based on constructive wavelet RBF neural network. 2011, 11, 2173-2177 Autonomous and Intelligent Systems. Lecture Notes in Computer Science, 2011, A modified ELM algorithm for single-hidden layer feedforward neural networks with linear nodes. 2011, Improving the detection of transmembrane Ebarrel chains with N-to-1 extreme learning machines.		3 1 30 3

878	Indirect Adaptive Fuzzy-Neural Control of Robot Manipulator. 2012,		2
877	Active learning of Hybrid Extreme Rotation Forests for CTA image segmentation. 2012,		1
876	Neural network based identification of hysteresis in human meridian systems. 2012 , 22, 685-694		6
875	Evaluating the Internationalization Success of Companies Through a Hybrid Grouping Harmony Search E xtreme Learning Machine Approach. 2012 , 6, 388-398		23
874	Bidirectional extreme learning machine for regression problem and its learning effectiveness. 2012 , 23, 1498-505		135
873	Robust single-hidden layer feedforward network-based pattern classifier. 2012 , 23, 1974-86		30
872	Variable activation function extreme learning machine based on residual prediction compensation. Soft Computing, 2012, 16, 1477-1484	3.5	8
871	Extreme learning machine-based device displacement free activity recognition model. <i>Soft Computing</i> , 2012 , 16, 1617-1625	3.5	38
870	Dynamic ensemble extreme learning machine based on sample entropy. <i>Soft Computing</i> , 2012 , 16, 1493-3	J. § 02	102
869	Generalized extreme learning machine acting on a metric space. <i>Soft Computing</i> , 2012 , 16, 1503-1514 3	3.5	5
868	A study on random weights between input and hidden layers in extreme learning machine. <i>Soft Computing</i> , 2012 , 16, 1465-1475	3.5	21
867	RTS game strategy evaluation using extreme learning machine. Soft Computing, 2012 , 16, 1627-1637 3	3.5	7
866	Self-Adaptive Evolutionary Extreme Learning Machine. 2012 , 36, 285-305		192
865	Daily maximum load forecasting of consecutive national holidays using OSELM-based multi-agents system with weighted average strategy. <i>Neurocomputing</i> , 2012 , 81, 108-112	5.4	21
864	A novel locally regularized automatic construction method for RBF neural models. <i>Neurocomputing</i> , 2012 , 98, 4-11	5.4	12
863	Sequential learning of differential trend. 2012 ,		
862	Illuminance prediction through Extreme Learning Machines. 2012,		15
861	A modified fast recursive hidden nodes selection algorithm for ELM. 2012 ,		4

(2013-2012)

860	A new automatic target recognition system based on wavelet extreme learning machine. <i>Expert Systems With Applications</i> , 2012 , 39, 12340-12348	7.8	28
859	Electricity Price Forecasting With Extreme Learning Machine and Bootstrapping. 2012 , 27, 2055-2062		148
858	Biometric Recognition. Lecture Notes in Computer Science, 2012,	0.9	O
857	Fast Construction of Single-Hidden-Layer Feedforward Networks. 2012 , 507-531		
856	Advances in Artificial Intelligence. Lecture Notes in Computer Science, 2012,	0.9	
855	Handwritten character recognition using wavelet energy and extreme learning machine. 2012 , 3, 149-1	61	123
854	Voting based extreme learning machine. 2012 , 185, 66-77		247
853	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
852	Online sequential extreme learning machine with forgetting mechanism. <i>Neurocomputing</i> , 2012 , 87, 79-89	5.4	123
851	A comparative analysis of support vector machines and extreme learning machines. 2012 , 33, 58-66		83
850	Extreme learning machine for regression and multiclass classification. 2012 , 42, 513-29		3499
849	Universal approximation of extreme learning machine with adaptive growth of hidden nodes. 2012 , 23, 365-71		157
848	Extreme Learning Machines for Feature Selection and Classification of Cocaine Dependent Patients on Structural MRI Data. 2013 , 38, 375-387		24
847	Parallel Chaos Search Based Incremental Extreme Learning Machine. 2013 , 37, 277-301		22
846	Parallel extreme learning machine for regression based on MapReduce. <i>Neurocomputing</i> , 2013 , 102, 52	-5584	127
845	PCA-ELM: A Robust and Pruned Extreme Learning Machine Approach Based on Principal Component Analysis. 2013 , 37, 377-392		55
844	Neural architecture design based on extreme learning machine. 2013 , 48, 19-24		24
843	Weighted extreme learning machine for imbalance learning. <i>Neurocomputing</i> , 2013 , 101, 229-242	5.4	540

842	A modified extreme learning machine with sigmoidal activation functions. 2013 , 22, 541-550		26
841	On extreme learning machine for Ensensitive regression in the primal by Newton method. 2013 , 22, 559-567		9
840	Fast Face Recognition Via Sparse Coding and Extreme Learning Machine. 2013 , 6, 264		11
839	Disturbance attenuation for nonlinear switched descriptor systems based on neural network. 2013 , 23, 2211-2219		5
838	An extreme learning machine approach for speaker recognition. 2013 , 22, 417-425		41
837	Low complexity adaptive forgetting factor for online sequential extreme learning machine (OS-ELM) for application to nonstationary system estimations. 2013 , 22, 569-576		43
836	An enhanced extreme learning machine based on ridge regression for regression. 2013 , 22, 803-810		38
835	Novel range-free localization based on multidimensional support vector regression trained in the primal space. 2013 , 24, 1099-113		33
834	Semantic concept detection for video based on extreme learning machine. <i>Neurocomputing</i> , 2013 , 102, 176-183	5.4	17
833	Aeroengine Exhausted Gas Temperature Prediction Using Process Extreme Learning Machine. 2013 , 423-426, 2355-2362		1
832	. 2013,		4
831	. 2013,		
830	. 2013,		25
829	Evolutionary Circular Extreme Learning Machine. 2013,		3
828	Partitioned online sequential extreme learning machine for large ordered system modeling. <i>Neurocomputing</i> , 2013 , 102, 59-64	5.4	6
827	Extreme learning machine based wind speed estimation and sensorless control for wind turbine power generation system. <i>Neurocomputing</i> , 2013 , 102, 163-175	5.4	53
826	Improved Particle Swarm Optimization Combined with Backpropagation for Feedforward Neural Networks. 2013 , 28, 271-288		17
825	EEG-based vigilance estimation using extreme learning machines. <i>Neurocomputing</i> , 2013 , 102, 135-143	5.4	124

824	Comments on the "No-Prop" algorithm. 2013, 48, 59-60		3
823	Learning sparse representations for view-independent human action recognition based on fuzzy distances. <i>Neurocomputing</i> , 2013 , 121, 344-353	5.4	8
822	Dynamic extreme learning machine and its approximation capability. 2013 , 43, 2054-65		50
821	Image classification based on effective extreme learning machine. <i>Neurocomputing</i> , 2013 , 102, 90-97	5.4	56
820	Optimizing extreme learning machines via ridge regression and batch intrinsic plasticity. <i>Neurocomputing</i> , 2013 , 102, 23-30	5.4	30
819	Architecture selection for networks trained with extreme learning machine using localized generalization error model. <i>Neurocomputing</i> , 2013 , 102, 3-9	5.4	72
818	Applications of Hybrid Extreme Rotation Forests for image segmentation. 2013, 11, 13-24		4
817	Fault Locating of Grounding Grids Based on Extreme Learning Machine Elman Neural Network. 2013 , 787, 954-958		O
816	Online Voltage Stability Assessment of Power System by Comparing Voltage Stability Indices and Extreme Learning Machine. <i>Lecture Notes in Computer Science</i> , 2013 , 710-724	0.9	4
815	Two-Motor Synchronous Decoupling Control Based on Improved Incremental Regularized Extreme Learning Machine. 2013 , 765-767, 1854-1857		
814	STATE-ACTION VALUE FUNCTION MODELED BY ELM IN REINFORCEMENT LEARNING FOR HOSE CONTROL PROBLEMS. 2013 , 21, 99-116		11
813	Extreme Learning Machine: A Robust Modeling Technique? Yes!. <i>Lecture Notes in Computer Science</i> , 2013 , 17-35	0.9	16
812	Nelder-mead enhanced extreme learning machine. 2013,		6
811	Advanced Data Mining and Applications. Lecture Notes in Computer Science, 2013,	0.9	
810	FUZZY EXTREME LEARNING MACHINE FOR A CLASS OF FUZZY INFERENCE SYSTEMS. 2013 , 21, 51-61		9
809	Extreme Maximum Margin Clustering. 2013 , E96.D, 1745-1753		7
808	Color face recognition based on steerable pyramid transform and extreme learning machines. 2014 , 2014, 628494		7
807	Novel back propagation optimization by Cuckoo Search algorithm. 2014 , 2014, 878262		19

806	Recognition of sintering state in rotary kiln using a robust extreme learning machine. 2014,	2
805	Online Regularized and Kernelized Extreme Learning Machines with Forgetting Mechanism. 2014 , 2014, 1-11	8
804	Spectrum Prediction for Cognitive Radio System Based on Optimally Pruned Extreme Learning Machine. 2014 , 536-537, 430-436	3
803	Study on Deep Structure of Extreme Learning Machine (DS-ELM) for Datasets with Noise. 2014 , 989-994, 3679-3682	3
802	Hybrid Soft Computing Schemes for the Prediction of Import Demand of Crude Oil in Taiwan. 2014 , 2014, 1-11	4
801	An integrated approach to fashion flat sketches classification. 2014 , 26, 346-366	1
800	Test generation algorithm for fault detection of analog circuits based on extreme learning machine. <i>Computational Intelligence and Neuroscience</i> , 2014 , 2014, 740838	5
799	Classifying Lung Cancer Knowledge in PubMed According to GO Terms Using Extreme Learning Machine. 2014 , 29, 1047-1059	2
798	On Extreme Learning Machine for Watermarking of an Images in Discrete Wavelet Transform Domain. 2014 ,	3
797	Optimization-Based Extreme Learning Machine with Multi-kernel Learning Approach for Classification. 2014 ,	5
796	Recognition Model Based Feature Extraction and Kernel Extreme Learning Machine for High Dimensional Data. 2014 , 875-877, 2020-2024	11
795	Generalized hidden-mapping ridge regression, knowledge-leveraged inductive transfer learning for neural networks, fuzzy systems and kernel methods. 2014 , 44, 2585-99	114
794	Incorporate Extreme Learning Machine to content-based image retrieval with relevance feedback. 2014 ,	
793	Channel Equalization of MIMO-OFDM System Based on Extreme Learning Machine. 2014 , 536-537, 1751-1757	1
792	Advances in Soft Computing, Intelligent Robotics and Control. 2014,	0
791	Robust extreme learning machine for regression problems with its application to wifi based indoor positioning system. 2014 ,	
790	Soft-sensor for Mother Liquor Purity in The Industrial Cane Sugar Crystallization Based on Extreme Learning Machine and Particle Swarm Optimization. 2014 , 7,	
789	Semi-supervised Classification of Human Actions Based on Neural Networks. 2014 ,	8

(2014-2014)

788	Parallelized extreme learning machine ensemble based on minthax modular network. <i>Neurocomputing</i> , 2014 , 128, 31-41	5.4	20
787	Extreme learning machines for soybean classification in remote sensing hyperspectral images. <i>Neurocomputing</i> , 2014 , 128, 207-216	5.4	69
786	Constructive multi-output extreme learning machine with application to large tanker motion dynamics identification. <i>Neurocomputing</i> , 2014 , 128, 59-72	5.4	48
7 ⁸ 5	Least learning machine and its experimental studies on regression capability. 2014 , 21, 677-684		20
784	Clustering in extreme learning machine feature space. <i>Neurocomputing</i> , 2014 , 128, 88-95	5.4	76
783	Extreme learning machine towards dynamic model hypothesis in fish ethology research. Neurocomputing, 2014 , 128, 273-284	5.4	40
782	Predicting pupylation sites in prokaryotic proteins using pseudo-amino acid composition and extreme learning machine. <i>Neurocomputing</i> , 2014 , 128, 267-272	5.4	10
781	Learning to Rank with Extreme Learning Machine. 2014 , 39, 155-166		28
780	ELM *: distributed extreme learning machine with MapReduce. 2014 , 17, 1189-1204		52
779	Extreme learning machine and its applications. 2014 , 25, 549-556		110
779 778	Extreme learning machine and its applications. 2014 , 25, 549-556 Extreme Learning Machines 2013: Algorithms and Applications. 2014 ,		110
778	Extreme Learning Machines 2013: Algorithms and Applications. 2014 , An Insight into Extreme Learning Machines: Random Neurons, Random Features and Kernels. 2014 ,	5.4	3
77 ⁸	Extreme Learning Machines 2013: Algorithms and Applications. 2014, An Insight into Extreme Learning Machines: Random Neurons, Random Features and Kernels. 2014, 6, 376-390 Review and performance comparison of SVM- and ELM-based classifiers. <i>Neurocomputing</i> , 2014,	5.4	3 666
778 777 776	Extreme Learning Machines 2013: Algorithms and Applications. 2014, An Insight into Extreme Learning Machines: Random Neurons, Random Features and Kernels. 2014, 6, 376-390 Review and performance comparison of SVM- and ELM-based classifiers. <i>Neurocomputing</i> , 2014, 128, 507-516 Fast Image Recognition Based on Independent Component Analysis and Extreme Learning	5.4	3 666
778 777 776 775	Extreme Learning Machines 2013: Algorithms and Applications. 2014, An Insight into Extreme Learning Machines: Random Neurons, Random Features and Kernels. 2014, 6, 376-390 Review and performance comparison of SVM- and ELM-based classifiers. <i>Neurocomputing</i> , 2014, 128, 507-516 Fast Image Recognition Based on Independent Component Analysis and Extreme Learning Machine. 2014, 6, 405-422 Identification of nonlinear system using extreme learning machine based Hammerstein model.	5·4 5·4	3 666 107
778 777 776 775	Extreme Learning Machines 2013: Algorithms and Applications. 2014, An Insight into Extreme Learning Machines: Random Neurons, Random Features and Kernels. 2014, 6, 376-390 Review and performance comparison of SVM- and ELM-based classifiers. <i>Neurocomputing</i> , 2014, 128, 507-516 Fast Image Recognition Based on Independent Component Analysis and Extreme Learning Machine. 2014, 6, 405-422 Identification of nonlinear system using extreme learning machine based Hammerstein model. 2014, 19, 3171-3183 Breast tumor detection in digital mammography based on extreme learning machine.		3 666 107 15 30

770	Bankruptcy prediction using Extreme Learning Machine and financial expertise. <i>Neurocomputing</i> , 2014 , 128, 296-302	5.4	89
769	A fast and effective Extreme learning machine algorithm without tuning. 2014 ,		2
768	A novel approach for image classification based on extreme learning machine. 2014,		2
767	. 2014,		5
766	Efficient Determination of Copper Electroplating Chemistry Additives. 2014 , 4, 1380-1390		6
765	Extreme Support Vector Regression. 2014 , 25-34		4
764	Parsimonious extreme learning machine using recursive orthogonal least squares. 2014 , 25, 1828-41		97
763	A study on residence error of training an extreme learning machine and its application to evolutionary algorithms. <i>Neurocomputing</i> , 2014 , 146, 75-82	5.4	14
762	Feature selection in wind speed prediction systems based on a hybrid coral reefs optimization Extreme learning machine approach. 2014 , 87, 10-18		116
761	Robust activation function and its application: Semi-supervised kernel extreme learning method. <i>Neurocomputing</i> , 2014 , 144, 318-328	5.4	29
760	An incremental design of radial basis function networks. 2014 , 25, 1793-803		91
759	Probability based voting extreme learning machine for multiclass XML documents classification. 2014 , 17, 1217-1231		10
758	Daily global solar radiation prediction based on a hybrid Coral Reefs Optimization Extreme Learning Machine approach. 2014 , 105, 91-98		132
757	T2FELA: type-2 fuzzy extreme learning algorithm for fast training of interval type-2 TSK fuzzy logic system. 2014 , 25, 664-76		45
756	Sparse extreme learning machine for classification. 2014 , 44, 1858-70		171
755	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
754	Hybrid extreme rotation forest. 2014 , 52, 33-42		24
753	1-Norm extreme learning machine for regression and multiclass classification using Newton method. <i>Neurocomputing</i> , 2014 , 128, 4-14	5.4	41

(2015-2014)

752	Double parallel feedforward neural network based on extreme learning machine with L1/2 regularizer. <i>Neurocomputing</i> , 2014 , 128, 113-118	5.4	6
751	Evolutionary ELM wrapper feature selection for Alzheimer's disease CAD on anatomical brain MRI. <i>Neurocomputing</i> , 2014 , 128, 73-80	5.4	56
750	Ensemble delta test-extreme learning machine (DT-ELM) for regression. <i>Neurocomputing</i> , 2014 , 129, 153-158	5.4	30
749	Fast sparse approximation of extreme learning machine. <i>Neurocomputing</i> , 2014 , 128, 96-103	5.4	20
748	Meta-ELM: ELM with ELM hidden nodes. <i>Neurocomputing</i> , 2014 , 128, 81-87	5.4	25
747	A hierarchical structure of extreme learning machine (HELM) for high-dimensional datasets with noise. <i>Neurocomputing</i> , 2014 , 128, 407-414	5.4	24
746	Tuning extreme learning machine by an improved artificial bee colony to model and optimize the boiler efficiency. 2014 , 67, 278-289		34
745	Discrete-time hypersonic flight control based on extreme learning machine. <i>Neurocomputing</i> , 2014 , 128, 232-241	5.4	40
744	Regularized extreme learning machine for multi-view semi-supervised action recognition. <i>Neurocomputing</i> , 2014 , 145, 250-262	5.4	77
743	A hybrid forecasting model with parameter optimization for short-term load forecasting of micro-grids. 2014 , 129, 336-345		138
742	An adaptive extreme learning machine algorithm and its application on face recognition. 2015 , 6, 611		3
74 ²	An adaptive extreme learning machine algorithm and its application on face recognition. 2015 , 6, 611 Effective algorithms of the Moore-Penrose inverse matrices for extreme learning machine. 2015 , 19, 743-760		73
	Effective algorithms of the Moore-Penrose inverse matrices for extreme learning machine. 2015 ,		
741	Effective algorithms of the Moore-Penrose inverse matrices for extreme learning machine. 2015 , 19, 743-760		73
74 ¹	Effective algorithms of the Moore-Penrose inverse matrices for extreme learning machine. 2015, 19, 743-760 Projective Feature Learning for 3D Shapes with Multi-View Depth Images. 2015, 34, 1-11 Methods for Prediction, Simulation and Verification of Real-Time Software Architectural Design		73
74 ¹ 74 ⁰ 739	Effective algorithms of the Moore-Penrose inverse matrices for extreme learning machine. 2015, 19, 743-760 Projective Feature Learning for 3D Shapes with Multi-View Depth Images. 2015, 34, 1-11 Methods for Prediction, Simulation and Verification of Real-Time Software Architectural Design based on Machine Learning Algorithms. 2015, Quasilinear Extreme Learning Machine Model Based Internal Model Control for Nonlinear Process.		73 40 2
74 ¹ 74 ⁰ 739 738	Effective algorithms of the Moore-Penrose inverse matrices for extreme learning machine. 2015, 19, 743-760 Projective Feature Learning for 3D Shapes with Multi-View Depth Images. 2015, 34, 1-11 Methods for Prediction, Simulation and Verification of Real-Time Software Architectural Design based on Machine Learning Algorithms. 2015, Quasilinear Extreme Learning Machine Model Based Internal Model Control for Nonlinear Process. 2015, 2015, 1-9		73 40 2

734	Detecting Copy Directions among Programs Using Extreme Learning Machines. 2015 , 2015, 1-15	1
733	The Optimisation for Local Coupled Extreme Learning Machine Using Differential Evolution. 2015 , 2015, 1-9	4
732	What are Extreme Learning Machines? Filling the Gap Between Frank Rosenblatt® Dream and John von Neumann® Puzzle. 2015 , 7, 263-278	327
731	Convergence Analysis of a New Self Organizing Map Based Optimization (SOMO) Algorithm. 2015 , 7, 477-486	3
730	Related Tasks Selection to Multitask Learning Schemes. <i>Lecture Notes in Computer Science</i> , 2015 , 213-220.9	
729	Rolling Thickness Prediction Based on the Extreme Learning Machine and Clustering. 2015,	
728	. 2015,	2
727	Incremental Extreme Learning Machine Based on Cascade Neural Networks. 2015,	1
726	. 2015,	1
7 2 5	Compressed representation learning for fluid field reconstruction from sparse sensor observations. 2015 ,	1
724	A Bayesian approach for extreme learning machine-based subspace learning. 2015,	О
723	Selectively Inhibiting Learning Bias for Active Sampling. 2015 ,	Ο
722	Development and Implementation of a Wheeled Inverted Pendulum Vehicle Using Adaptive Neural Control with Extreme Learning Machines. 2015 , 7, 740-752	7
721	On Equivalence of FIS and ELM for Interpretable Rule-Based Knowledge Representation. 2015 , 26, 1417-30	54
720	. 2015,	
719	A nonlinear PLS modeling method based on extreme learning machine. 2015 ,	2
718	Learning architectures with enhanced capabilities and easier training. 2015,	5
717	Large-scale nonlinear facial image classification based on approximate kernel Extreme Learning Machine. 2015 ,	6

716	Enhancing Stock Price Prediction with a Hybrid Approach Based Extreme Learning Machine. 2015,		4
715	Secure Multi-party Computation Based Privacy Preserving Extreme Learning Machine Algorithm Over Vertically Distributed Data. <i>Lecture Notes in Computer Science</i> , 2015 , 337-345	0.9	5
714	Auto-detection of Anisakid larvae in Cod Fillets by UV fluorescent imaging with OS-ELM. 2015,		
713	Online sequential-extreme learning machine based detector on training-learning-detection framework. 2015 ,		1
712	Integrated analysis of CFD data with K-means clustering algorithm and extreme learning machine for localized HVAC control. 2015 , 76, 98-104		27
711	Is extreme learning machine feasible? A theoretical assessment (part II). 2015 , 26, 21-34		103
710	Extreme Learning Machine for Clustering. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 435-444	0.2	8
709	Online Sequential Extreme Learning Machine With Kernels. 2015 , 26, 2214-20		92
708	Extreme learning machines: new trends and applications. 2015 , 58, 1-16		64
707	Fully Connected Cascade Artificial Neural Network Architecture for Attention Deficit Hyperactivity Disorder Classification From Functional Magnetic Resonance Imaging Data. 2015 , 45, 2668-79		90
706	Parsimonious regularized extreme learning machine based on orthogonal transformation. <i>Neurocomputing</i> , 2015 , 156, 280-296	5.4	12
705	A data-attribute-space-oriented double parallel (DASODP) structure for enhancing extreme learning machine: Applications to regression datasets. 2015 , 41, 65-74		14
704	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
703	Generalization ability of extreme learning machine with uniformly ergodic Markov chains. <i>Neurocomputing</i> , 2015 , 167, 528-534	5.4	3
702	Extreme Learning Machine Ensemble Classifier for Large-Scale Data. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 151-161	0.2	3
701	. 2015 , 11, 708-716		5
700	Recognition of Human Stair Ascent and Descent Activities Based on Extreme Learning Machine. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 253-265	0.2	
699	An accelerating scheme for destructive parsimonious extreme learning machine. <i>Neurocomputing</i> , 2015 , 167, 671-687	5.4	6

698	Universal consistency of extreme learning machine for RBFNs case. <i>Neurocomputing</i> , 2015 , 168, 1132-1	13.74	5
69 7	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
696	Noninvasive reconstruction of cardiac transmembrane potentials using a kernelized extreme learning method. 2015 , 60, 3237-53		
695	. 2015 , 62, 6519-6529		146
694	MD-ELM: Originally Mislabeled Samples Detection using OP-ELM Model. <i>Neurocomputing</i> , 2015 , 159, 242-250	5.4	10
693	One-year-ahead energy demand estimation from macroeconomic variables using computational intelligence algorithms. 2015 , 99, 62-71		19
692	. 2015 , 10, 18-29		231
691	Computer aided diagnosis of schizophrenia on resting state fMRI data by ensembles of ELM. 2015 , 68, 23-33		43
690	Integrating Support Vector Regression with Particle Swarm Optimization for numerical modeling for algal blooms of freshwater. 2015 , 39, 5907-5916		13
689	Practical Considerations in Training Extreme Learning Machines. 2015,		3
688	Ensemble based constrained-optimization extreme learning machine for landmark recognition. 2015 ,		
687	Identification of Mild Cognitive Impairment Using Extreme Learning Machines Model. <i>Lecture Notes in Computer Science</i> , 2015 , 589-600	0.9	1
686	A generalized pruning algorithm for extreme learning machine. 2015,		
685	. 2015,		
684	A Classification Framework for Predicting Components' Remaining Useful Life Based on Discrete-Event Diagnostic Data. 2015 , 64, 1049-1056		18
683	Intelligent Computing Theories and Methodologies. Lecture Notes in Computer Science, 2015,	0.9	
682	. 2015,		9
681	. 2015 , 53, 4768-4786		108

680	Proceedings of ELM-2014 Volume 2. Proceedings in Adaptation, Learning and Optimization, 2015,	0.2	
679	A L-MCRS dynamics approximation by ELM for Reinforcement Learning. <i>Neurocomputing</i> , 2015 , 150, 116-123	5.4	4
678	Proceedings of ELM-2014 Volume 1. Proceedings in Adaptation, Learning and Optimization, 2015,	0.2	
677	Joint sparse regularization based Sparse Semi-Supervised Extreme Learning Machine (S3ELM) for classification. 2015 , 73, 149-160		24
676	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
675	An oscillation bound of the generalization performance of extreme learning machine and corresponding analysis. <i>Neurocomputing</i> , 2015 , 151, 883-890	5.4	13
674	ELM-based name disambiguation in bibliography. 2015 , 18, 253-263		15
673	Collaborative work with linear classifier and extreme learning machine for fast text categorization. 2015 , 18, 235-252		6
672	Meme representations for game agents. 2015 , 18, 215-234		3
671	Stacked Extreme Learning Machines. 2015 , 45, 2013-25		85
671 670	Stacked Extreme Learning Machines. 2015 , 45, 2013-25 Trends in extreme learning machines: a review. 2015 , 61, 32-48		1109
		93̄2 [‡]	
670	Trends in extreme learning machines: a review. 2015 , 61, 32-48 A modular extreme learning machine with linguistic interpreter and accelerated chaotic distributor	9 3̄z ¹	1109
670 669	Trends in extreme learning machines: a review. 2015 , 61, 32-48 A modular extreme learning machine with linguistic interpreter and accelerated chaotic distributor for evaluating the safety of robot maneuvers in laparoscopic surgery. <i>Neurocomputing</i> , 2015 , 151, 913-Anomaly detection in traffic using L1-norm minimization extreme learning machine.		1109
670 669 668	Trends in extreme learning machines: a review. 2015, 61, 32-48 A modular extreme learning machine with linguistic interpreter and accelerated chaotic distributor for evaluating the safety of robot maneuvers in laparoscopic surgery. <i>Neurocomputing</i> , 2015, 151, 913-Anomaly detection in traffic using L1-norm minimization extreme learning machine. <i>Neurocomputing</i> , 2015, 149, 415-425	5.4	1109 6 30
670 669 668	Trends in extreme learning machines: a review. 2015, 61, 32-48 A modular extreme learning machine with linguistic interpreter and accelerated chaotic distributor for evaluating the safety of robot maneuvers in laparoscopic surgery. <i>Neurocomputing</i> , 2015, 151, 913-Anomaly detection in traffic using L1-norm minimization extreme learning machine. <i>Neurocomputing</i> , 2015, 149, 415-425 Multiple kernel extreme learning machine. <i>Neurocomputing</i> , 2015, 149, 253-264 Improved incremental Regularized Extreme Learning Machine Algorithm and its application in	5·4 5·4	1109 6 30 122
670 669 668 667	Trends in extreme learning machines: a review. 2015, 61, 32-48 A modular extreme learning machine with linguistic interpreter and accelerated chaotic distributor for evaluating the safety of robot maneuvers in laparoscopic surgery. <i>Neurocomputing</i> , 2015, 151, 913-Anomaly detection in traffic using L1-norm minimization extreme learning machine. <i>Neurocomputing</i> , 2015, 149, 415-425 Multiple kernel extreme learning machine. <i>Neurocomputing</i> , 2015, 149, 253-264 Improved incremental Regularized Extreme Learning Machine Algorithm and its application in two-motor decoupling control. <i>Neurocomputing</i> , 2015, 149, 215-223	5·4 5·4	1109 6 30 122 5

662	Discriminative graph regularized extreme learning machine and its application to face recognition. <i>Neurocomputing</i> , 2015 , 149, 340-353	5.4	121
661	Approximation properties of ELM-fuzzy systems for smooth functions and their derivatives. <i>Neurocomputing</i> , 2015 , 149, 265-274	5.4	11
660	Acoustic template-matching for automatic emergency state detection: An ELM based algorithm. <i>Neurocomputing</i> , 2015 , 149, 426-434	5.4	34
659	A fast learning method for feedforward neural networks. <i>Neurocomputing</i> , 2015 , 149, 295-307	5.4	16
658	Binary/ternary extreme learning machines. <i>Neurocomputing</i> , 2015 , 149, 187-197	5.4	28
657	LARSEN-ELM: Selective ensemble of extreme learning machines using LARS for blended data. <i>Neurocomputing</i> , 2015 , 149, 285-294	5.4	14
656	Spatially regularized semisupervised Ensembles of Extreme Learning Machines for hyperspectral image segmentation. <i>Neurocomputing</i> , 2015 , 149, 373-386	5.4	27
655	Efficient incremental construction of RBF networks using quasi-gradient method. <i>Neurocomputing</i> , 2015 , 150, 349-356	5.4	21
654	Confidence-weighted extreme learning machine for regression problems. <i>Neurocomputing</i> , 2015 , 148, 544-550	5.4	16
653	Efficient smile detection by Extreme Learning Machine. <i>Neurocomputing</i> , 2015 , 149, 354-363	5.4	43
652	Classification of Uncertain Data Streams Based on Extreme Learning Machine. 2015 , 7, 150-160		26
651	A Coral Reefs Optimization algorithm with Harmony Search operators for accurate wind speed prediction. 2015 , 75, 93-101		64
650	Distributed Extreme Learning Machine with kernels based on MapReduce. <i>Neurocomputing</i> , 2015 , 149, 456-463	5.4	40
649	Orthogonal incremental extreme learning machine for regression and multiclass classification. 2016 , 27, 111-120		19
648	Fast detection of impact location using kernel extreme learning machine. 2016 , 27, 121-130		42
647	Multispectral palmprint recognition using multiclass projection extreme learning machine and digital shearlet transform. 2016 , 27, 143-153		28
646	An efficient query processing optimization based on ELM in the cloud. 2016 , 27, 35-44		8
645	Freshwater algal bloom prediction by extreme learning machine in Macau Storage Reservoirs. 2016 , 27, 19-26		8

644	Absent extreme learning machine algorithm with application to packed executable identification. 2016 , 27, 93-100	9
643	A Novel Gravity Compensation Method for High Precision Free-INS Based on "Extreme Learning Machine". 2016 , 16,	7
642	2-D Defect Profile Reconstruction from Ultrasonic Guided Wave Signals Based on Radial Wavelet Basis Function Neural Network with ELM. 2016 , 693, 1551-1561	
641	Deep Network Based on Stacked Orthogonal Convex Incremental ELM Autoencoders. 2016 , 2016, 1-17	2
640	A Structure-Adaptive Hybrid RBF-BP Classifier with an Optimized Learning Strategy. 2016 , 11, e0164719	5
639	Multi-view clustering with extreme learning machine. <i>Neurocomputing</i> , 2016 , 214, 483-494 5.4	28
638	Efficient classification of Parkinson's disease using extreme learning machine and hybrid particle swarm optimization. 2016 ,	5
637	Olfactory target/background odor detection via self-expression model. 2016 ,	О
636	Wind speed prediction using an efficient Polynomial kernel based RELM algorithm. 2016,	
635	Salient corporate performance forecasting based on financial and textual information. 2016,	1
635 634	Salient corporate performance forecasting based on financial and textual information. 2016, Differential Evolution Based Selective Ensemble of Extreme Learning Machine. 2016,	2
634	Differential Evolution Based Selective Ensemble of Extreme Learning Machine. 2016 ,	2
634	Differential Evolution Based Selective Ensemble of Extreme Learning Machine. 2016, Laplacian one class extreme learning machines for human action recognition. 2016, An experimental comparison between ELM and C4.5 for classification problems with symbolic	2
634 633 632	Differential Evolution Based Selective Ensemble of Extreme Learning Machine. 2016, Laplacian one class extreme learning machines for human action recognition. 2016, An experimental comparison between ELM and C4.5 for classification problems with symbolic attributes. 2016,	2
634 633 632	Differential Evolution Based Selective Ensemble of Extreme Learning Machine. 2016, Laplacian one class extreme learning machines for human action recognition. 2016, An experimental comparison between ELM and C4.5 for classification problems with symbolic attributes. 2016, Online-Offline Extreme Learning Machine with Concept Drift Tracking for Time Series Data. 2016, Neural network approach based on convex incremental learning machine for prediction of diffuse	3
634 633 632 631	Differential Evolution Based Selective Ensemble of Extreme Learning Machine. 2016, Laplacian one class extreme learning machines for human action recognition. 2016, An experimental comparison between ELM and C4.5 for classification problems with symbolic attributes. 2016, Online-Offline Extreme Learning Machine with Concept Drift Tracking for Time Series Data. 2016, Neural network approach based on convex incremental learning machine for prediction of diffuse solar radiation. 2016,	2 3

626	Determination of rock depth using artificial intelligence techniques. 2016 , 7, 61-66	13
625	Self-adaptive Extreme Learning Machine Optimized by Rough Set Theory and Affinity Propagation Clustering. 2016 , 8, 720-728	12
624	Parsimonious kernel extreme learning machine in primal via Cholesky factorization. 2016 , 80, 95-109	18
623	Dimension Reduction With Extreme Learning Machine. 2016 , 25, 3906-18	144
622	An Analytical Study on Reasoning of Extreme Learning Machine for Classification from Its Inductive Bias. 2016 , 8, 746-756	7
621	ELM: AN ALGORITHM TO ESTIMATE THE ALPHA ABUNDANCE FROM LOW-RESOLUTION SPECTRA. 2016 , 817, 78	3
620	Scalable learning method for feedforward neural networks using minimal-enclosing-ball approximation. 2016 , 78, 51-64	4
619	Computer Models for Facial Beauty Analysis. 2016,	18
618	Extreme learning machine via free sparse transfer representation optimization. 2016 , 8, 85-95	7
617	A new intelligent method based on combination of VMD and ELM for short term wind power forecasting. <i>Neurocomputing</i> , 2016 , 203, 111-120	133
616	A novel progressive learning technique for multi-class classification. <i>Neurocomputing</i> , 2016 , 207, 310-325.4	20
615	Random neural Q-learning for obstacle avoidance of a mobile robot in unknown environments. 2016 , 8, 168781401665659	9
614	Rational and self-adaptive evolutionary extreme learning machine for electricity price forecast. 2016 , 8, 223-233	23
613	Cooperative Design, Visualization, and Engineering. <i>Lecture Notes in Computer Science</i> , 2016 , 0.9	
612	Indoor occupancy estimation from carbon dioxide concentration. 2016 , 131, 132-141	108
611	One class classification applied in facial image analysis. 2016 ,	8
610	Discriminative extreme learning machine to content-based image retrieval with relevance feedback. 2016 ,	4

608	Multi-objective optimization of extreme learning machine using physical programming. 2016,		2
607	Improved convex incremental extreme learning machine based on ridgelet and PSO algorithm. 2016 ,		1
606	Stochastic resonance induced continuous activation functions in a neural network consisting of threshold elements. 2016 ,		
605	Big data and deep learning. 2016 ,		5
604	Application of extreme learning machine and neural networks in total organic carbon content prediction in organic shale with wire line logs. 2016 , 33, 687-702		71
603	Recursive reduced kernel based extreme learning machine for aero-engine fault pattern recognition. <i>Neurocomputing</i> , 2016 , 214, 1038-1045	5.4	22
602	A sequential method using multiplicative extreme learning machine for epileptic seizure detection. <i>Neurocomputing</i> , 2016 , 214, 692-707	5.4	23
601	Single NMR image super-resolution based on extreme learning machine. 2016 , 32, 1331-1338		
600	Kernel Semi-supervised Extreme Learning Machine Applied in Urban Traffic Congestion Evaluation. <i>Lecture Notes in Computer Science</i> , 2016 , 90-97	0.9	
599	A coarse-to-fine feature selection method for accurate detection of cerebral small vessel disease. 2016 ,		3
598	Direct heuristic dynamic programming design with extreme learning machine. 2016,		2
597	Extreme Learning Machines for approximating nonlinear dimensionality reduction mappings: Application to Haptic handwritten signatures. 2016 ,		1
596	A two-step fault diagnosis framework for rolling element bearings with imbalanced data. 2016 ,		2
595	Heterogeneous extreme learning machines. 2016,		
594	Anomaly detection in network traffic using extreme learning machine. 2016,		7
593	Correlation Based Extreme Learning Machine. 2016 ,		1
592	Neural networks: An overview of early research, current frameworks and new challenges. <i>Neurocomputing</i> , 2016 , 214, 242-268	5.4	144
591	Significant wave height and energy flux prediction for marine energy applications: A grouping genetic algorithm Extreme Learning Machine approach. 2016 , 97, 380-389		51

590 Privacy preserving extreme learning machine classification model for distributed systems. 2016,

589	A semi-supervised online sequential extreme learning machine method. <i>Neurocomputing</i> , 2016 , 174, 168-178	. 2	6
588	An incremental learning algorithm for the hybrid RBF-BP network classifier. 2016 , 2016,	9	1
587	Improvements for P-ELM1 and P-ELM2 Pruning Algorithms in Extreme Learning Machines. 2016 , 24, 327-34	5 2	
586	Use of Optimally Pruned Extreme Learning Machine (OP-ELM) in Forecasting Dissolved Oxygen Concentration (DO) Several Hours in Advance: a Case Study from the Klamath River, Oregon, USA. 2016 , 3, 909-937	2)	7
585	Multiple-kernel-learning-based extreme learning machine for classification design. 2016 , 27, 175-184	2	8
584	On optimization based extreme learning machine in primal for regression and classification by functional iterative method. 2016 , 7, 707-728	3:	1
583	A novel kernel extreme learning machine algorithm based on self-adaptive artificial bee colony optimisation strategy. 2016 , 47, 1342-1357	7	
582	Manifold regularized extreme learning machine. 2016 , 27, 255-269	1	8
581	Breast tumor detection in double views mammography based on extreme learning machine. 2016 , 27, 227-240	1	7
580	Extreme Learning Machine for Multilayer Perceptron. 2016 , 27, 809-21	7	83
579	Feature Adaptive Online Sequential Extreme Learning Machine for lifelong indoor localization. 2016 , 27, 215-225	3:	1
578	Computational intelligence in wave energy: Comprehensive review and case study. 2016 , 58, 1223-1246	4	.8
577	A Fast Reduced Kernel Extreme Learning Machine. 2016 , 76, 29-38	4	.8
576	Facial Expression Recognition Based on Ensemble Extreme Learning Machine with Eye Movements Information. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2016 , 295-306	. 2	
575	A novel extreme learning fault diagnosis based supervision applied to mathematical formula contrastive analysis. <i>Neurocomputing</i> , 2016 , 177, 266-273	. 1	
574	An extreme learning machine model for the simulation of monthly mean streamflow water level in eastern Queensland. 2016 , 188, 90	1	03
573	Comparison of combining methods using Extreme Learning Machines under small sample scenario. Neurocomputing, 2016 , 174, 4-17	6	

(2016-2016)

572	An algorithm for classification over uncertain data based on extreme learning machine. Neurocomputing, 2016 , 174, 194-202	5.4	11
571	Multilayer Extreme Learning Machine With Subnetwork Nodes for Representation Learning. 2016 , 46, 2570-2583		83
570	Improvements on parsimonious extreme learning machine using recursive orthogonal least squares. <i>Neurocomputing</i> , 2016 , 191, 82-94	5.4	7
569	An Incremental Type-2 Meta-Cognitive Extreme Learning Machine. 2017 , 47, 339-353		45
568	Time Series Prediction Based on Online Sequential Improved Error Minimized Extreme Learning Machine. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2016 , 193-209	0.2	
567	Distributed Weighted Extreme Learning Machine for Big Imbalanced Data Learning. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2016 , 319-332	0.2	2
566	Online sequential reduced kernel extreme learning machine. <i>Neurocomputing</i> , 2016 , 174, 72-84	5.4	17
565	Extreme Learning Machine for Large-Scale Graph Classification Based on MapReduce. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2016 , 93-105	0.2	1
564	KELMC: An Improved K-Means Clustering Method Using Extreme Learning Machine. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2016 , 273-283	0.2	1
563	A review of Computational Intelligence techniques in coral reef-related applications. 2016 , 32, 107-12.	3	9
563 562	A review of Computational Intelligence techniques in coral reef-related applications. 2016 , 32, 107-123	3	9
		3	
562	. 2016 , 18, 967-977	0.2	
562 561	. 2016 , 18, 967-977 Dispersion Constraint Based Non-negative Sparse Coding Model. 2016 , 43, 603-609 Efficient Batch Parallel Online Sequential Extreme Learning Machine Algorithm Based on		13
562 561 560	. 2016, 18, 967-977 Dispersion Constraint Based Non-negative Sparse Coding Model. 2016, 43, 603-609 Efficient Batch Parallel Online Sequential Extreme Learning Machine Algorithm Based on MapReduce. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2016, 13-25 Two-hidden-layer extreme learning machine for regression and classification. <i>Neurocomputing</i> ,	0.2	13
562561560559	. 2016, 18, 967-977 Dispersion Constraint Based Non-negative Sparse Coding Model. 2016, 43, 603-609 Efficient Batch Parallel Online Sequential Extreme Learning Machine Algorithm Based on MapReduce. Proceedings in Adaptation, Learning and Optimization, 2016, 13-25 Two-hidden-layer extreme learning machine for regression and classification. Neurocomputing, 2016, 175, 826-834 Efficient Leave-One-Out Cross-Validation-based Regularized Extreme Learning Machine.	O.2 5·4	13 2 1 63
562561560559558	. 2016, 18, 967-977 Dispersion Constraint Based Non-negative Sparse Coding Model. 2016, 43, 603-609 Efficient Batch Parallel Online Sequential Extreme Learning Machine Algorithm Based on MapReduce. Proceedings in Adaptation, Learning and Optimization, 2016, 13-25 Two-hidden-layer extreme learning machine for regression and classification. Neurocomputing, 2016, 175, 826-834 Efficient Leave-One-Out Cross-Validation-based Regularized Extreme Learning Machine. Neurocomputing, 2016, 194, 260-270 Feature Selection and Modelling of a Steam Turbine from a Combined Heat and Power Plant Using	0.25.45.4	13 2 1 63

554	A-ELM?: Adaptive Distributed Extreme Learning Machine with MapReduce. <i>Neurocomputing</i> , 2016 , 174, 368-374	5.4	19	
553	Hyperspectral image nonlinear unmixing and reconstruction by ELM regression ensemble. <i>Neurocomputing</i> , 2016 , 174, 299-309	5.4	21	
552	Manifold learning in local tangent space via extreme learning machine. <i>Neurocomputing</i> , 2016 , 174, 18-	·3 9 .4	17	
551	Architecture Selection of ELM Networks Based on Sensitivity of Hidden Nodes. 2016 , 44, 471-489		10	
550	A fast training algorithm for extreme learning machine based on matrix decomposition. <i>Neurocomputing</i> , 2016 , 173, 1951-1958	5.4	7	
549	Gait recognition method for arbitrary straight walking paths using appearance conversion machine. <i>Neurocomputing</i> , 2016 , 173, 530-540	5.4	11	
548	Extreme learning machine based transfer learning for data classification. <i>Neurocomputing</i> , 2016 , 174, 203-210	5.4	50	
547	An Efficient Leave-One-Out Cross-Validation-Based Extreme Learning Machine (ELOO-ELM) With Minimal User Intervention. 2016 , 46, 1939-51		26	
546	Random Fourier extreme learning machine with . <i>Neurocomputing</i> , 2016 , 174, 143-153	5.4	54	
545	PR-ELM: Parallel regularized extreme learning machine based on cluster. <i>Neurocomputing</i> , 2016 , 173, 1073-1081	5.4	23	
544	Enforcement of the principal component analysis@xtreme learning machine algorithm by linear discriminant analysis. 2016 , 27, 1749-1760		2	
543	Parallel ensemble of online sequential extreme learning machine based on MapReduce. Neurocomputing, 2016, 174, 352-367	5.4	34	
542	Online Sequential Extreme Learning Machine for watermarking in DWT domain. <i>Neurocomputing</i> , 2016 , 174, 238-249	5.4	16	
541	An efficient and effective convolutional auto-encoder extreme learning machine network for 3d feature learning. <i>Neurocomputing</i> , 2016 , 174, 988-998	5.4	66	
540	An online sequential learning algorithm for regularized Extreme Learning Machine. <i>Neurocomputing</i> , 2016 , 173, 778-788	5.4	68	
539	Building feature space of extreme learning machine with sparse denoising stacked-autoencoder. <i>Neurocomputing</i> , 2016 , 174, 60-71	5.4	33	
538	Effective multi-objective optimization with the coral reefs optimization algorithm. 2016 , 48, 966-984		8	
537	Knowledge-based extreme learning machines. 2016 , 27, 1629-1641		4	

536	Robust Extreme Learning Machine With its Application to Indoor Positioning. 2016 , 46, 194-205	69
535	Two Machine Learning Approaches for Short-Term Wind Speed Time-Series Prediction. 2016 , 27, 1734-47	85
534	Extend semi-supervised ELM and a frame work. 2016 , 27, 205-213	4
533	Self-adaptive extreme learning machine. 2016 , 27, 291-303	67
532	HSR: L 1/2-regularized sparse representation for fast face recognition using hierarchical feature selection. 2016 , 27, 305-320	4
531	Exploring mutual information-based sentimental analysis with kernel-based extreme learning machine for stock prediction. <i>Soft Computing</i> , 2017 , 21, 3193-3205	43
530	Sequential Nonlinear Learning for Distributed Multiagent Systems via Extreme Learning Machines. 2017 , 28, 546-558	19
529	An Efficient Method for Traffic Sign Recognition Based on Extreme Learning Machine. 2017 , 47, 920-933	165
528	NMF-Based Image Quality Assessment Using Extreme Learning Machine. 2017 , 47, 232-243	61
527	Remote sensing image classification using extreme learning machine-guided collaborative coding. 2017 , 28, 835-850	
526	NMR image segmentation based on Unsupervised Extreme Learning Machine. 2017 , 28, 1013-1030	3
525	Routing tree maintenance based on trajectory prediction in mobile sensor networks. 2017 , 9, 109-120	
524	Robust discriminative extreme learning machine for relevance feedback in image retrieval. 2017 , 28, 1071-1089	8
523	An efficient parallel method for batched OS-ELM training using MapReduce. 2017 , 9, 183-197	6
522	Multiple-Instance Learning via an RBF Kernel-Based Extreme Learning Machine. 2017 , 26, 185-195	6
521	M-estimator-based online sequential extreme learning machine for predicting chaotic time series with outliers. 2017 , 28, 4093-4110	10
520	Classification with boosting of extreme learning machine over arbitrarily partitioned data. <i>Soft Computing</i> , 2017 , 21, 2269-2281	13
519	Ensemble weighted extreme learning machine for imbalanced data classification based on differential evolution. 2017 , 28, 259-267	25

518	Mapping mineral prospectivity using an extreme learning machine regression. 2017, 80, 200-213	73
517	Electricity price forecasting by a hybrid model, combining wavelet transform, ARMA and kernel-based extreme learning machine methods. 2017 , 190, 291-305	175
516	GramBchmidt process based incremental extreme learning machine. <i>Neurocomputing</i> , 2017 , 241, 1-17 5.4	9
515	Multi-label text categorization using L21-norm minimization extreme learning machine. Neurocomputing, 2017 , 261, 4-10 5-4	23
514	A new hybrid constructive neural network method for impacting and its application on tungsten price prediction. 2017 , 47, 28-43	13
513	On the construction of extreme learning machine for online and offline one-class classification An expanded toolbox. <i>Neurocomputing</i> , 2017 , 261, 126-143	25
512	Dynamic adjustment of hidden layer structure for convex incremental extreme learning machine. Neurocomputing, 2017 , 261, 83-93	4
511	Semi-supervised vibration-based classification and condition monitoring of compressors. 2017 , 93, 51-65	31
510	Very short-term reactive forecasting of the solar ultraviolet index using an extreme learning machine integrated with the solar zenith angle. 2017 , 155, 141-166	55
509	Instance cloned extreme learning machine. 2017 , 68, 52-65	33
508	Parallel multi-graph classification using extreme learning machine and MapReduce. Neurocomputing, 2017 , 261, 171-183 5-4	6
507	Extreme Learning Machine for large-scale graph classification based on MapReduce. Neurocomputing, 2017 , 261, 106-114 5-4	6
506	Class-specific cost regulation extreme learning machine for imbalanced classification. Neurocomputing, 2017, 261, 70-82 5-4	76
505	Dolphin Swarm Extreme Learning Machine. 2017 , 9, 275-284	21
504	Decay-weighted extreme learning machine for balance and optimization learning. 2017, 28, 743-753	2
503	Common Subspace Learning via Cross-Domain Extreme Learning Machine. 2017 , 9, 555-563	17
502	Length-Changeable Incremental Extreme Learning Machine. 2017, 32, 630-643	12
501	GPU-Accelerated Parallel Hierarchical Extreme Learning Machine on Flink for Big Data. 2017 , 47, 2740-2753	62

500	Fuzzy clustering as rational partition method for QSAR. 2017 , 166, 1-6	6
499	An Adaptive Extreme Learning Machine for Modeling NOx Emission of a 300 MW Circulating Fluidized Bed Boiler. 2017 , 46, 643-662	2
498	Orthogonal extreme learning machine for image classification. <i>Neurocomputing</i> , 2017 , 266, 458-464 5.4	20
497	A selective ensemble learning approach based on evolutionary algorithm. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017 , 32, 2365-2373	4
496	Extreme Learning Machine and Its Applications in Big Data Processing. 2017 , 117-150	9
495	PCA and Kernel-based extreme learning machine for side-scan sonar image classification. 2017 ,	3
494	Verification and predicting temperature and humidity in a solar greenhouse based on convex bidirectional extreme learning machine algorithm. <i>Neurocomputing</i> , 2017 , 249, 72-85	31
493	. 2017 , 22, 160-173	11
492	Engagement and Popularity Dynamics of YouTube Videos and Sensitivity to Meta-Data. 2017, 29, 1426-1437	20
491	Energy and carbon emissions analysis and prediction of complex petrochemical systems based on an improved extreme learning machine integrated interpretative structural model. 2017 , 115, 280-291	22
490	Data-driven soft-sensor modelling for air cooler system pH values based on a fast search pruned-extreme learning machine. 2017 , 12, 186-195	8
489	Testing Extreme Learning Machine in Motor Imagery Brain Computer Interface. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017 , 33, 3103-3111	2
488	Retargeting extreme learning machines for classification and their applications to fault diagnosis of aircraft engine. 2017 , 71, 603-618	21
487	MapReduce and Its Applications, Challenges, and Architecture: a Comprehensive Review and Directions for Future Research. 2017 , 15, 295-321	27
486	Classifying BCI signals from novice users with extreme learning machine. 2017 , 15, 494-500	1
485	A novel double deep ELMs ensemble system for time series forecasting. 2017 , 134, 31-49	46
484	A fast RBM-hidden-nodes based extreme learning machine. 2017,	2
483	Extreme learning machines to approximate low dimensional spaces for helicopter load signal and fatigue life estimation. 2017 ,	2

482 Improved multiple kernel extreme learning machine based on AdaBoost.RT. 2017,

481	Research on the Learning Method Based on PCA-ELM. 2017 , 23, 637-642	2
480	Hybrid Structure-Adaptive RBF-ELM Network Classifier. 2017 , 5, 16539-16554	12
479	Fast digital watermarking of uncompressed colored images using bidirectional extreme learning machine. 2017 ,	3
478	Compliant training control of ankle joint by exoskeleton with human EMG-torque interface. 2017 , 37, 349-355	9
477	Use of clustering algorithms and extreme learning machine in determining arrhythmia types. 2017 ,	5
476	Extreme learning machine based actuator fault detection of a quadrotor helicopter. 2017 , 9, 1687814017705	06 5
475	Evolutionary Cost-Sensitive Extreme Learning Machine. 2017 , 28, 3045-3060	106
474	H-MRST: A Novel Framework For Supporting Probability Degree Range Query Using Extreme Learning Machine. 2017 , 9, 68-80	10
473	Fault detection based on signal reconstruction with Auto-Associative Extreme Learning Machines. 2017 , 57, 105-117	21
472	One-Class Classification Based on Extreme Learning and Geometric Class Information. 2017 , 45, 577-592	18
471	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
470	Advances in Monitoring and Modelling Algal Blooms in Freshwater Reservoirs. 2017,	1
469	A new approach for internet traffic classification: GA-WK-ELM. 2017 , 95, 135-142	40
468	An islanding detection algorithm for distributed generation based on Hilbert Huang transform and extreme learning machine. 2017 , 9, 13-26	65
467	State Preserving Extreme Learning Machine: A Monotonically Increasing Learning Approach. 2017 , 45, 703-725	13
466	A prediction method using extreme learning machine with immune optimization. 2017,	1
465	Brain machine interface for useful human interaction via extreme learning machine and state machine design. 2017 ,	1

464	Recursive SVD-based fuzzy extreme learning machine. 2017 ,	2
463	FPGA implementation of extreme learning machine system for classification. 2017,	11
462	Incremental and Decremental Extreme Learning Machine Based on Generalized Inverse. 2017 , 5, 20852-2086	55 15
461	Improved variations for Extreme Learning Machine: Space embedded ELM and optimal distribution ELM. 2017 ,	3
460	Feature Space of Deep Learning and its Importance. 2017 ,	4
459	Large-scale WiFi indoor localization via extreme learning machine. 2017,	10
458	Accurate validation of GCV-based regularization parameter for extreme learning machine. 2017,	2
457	. 2017,	3
456	. 2017,	3
455	Multi layer multi objective extreme learning machine. 2017 ,	5
455 454	Multi layer multi objective extreme learning machine. 2017 , Discretizing Numerical Values by a Fuzzy Clustering Technique. 2017 ,	5
		5 9
454	Discretizing Numerical Values by a Fuzzy Clustering Technique. 2017, Urban Traffic Congestion Evaluation Based on Kernel the Semi-Supervised Extreme Learning	
454 453	Discretizing Numerical Values by a Fuzzy Clustering Technique. 2017, Urban Traffic Congestion Evaluation Based on Kernel the Semi-Supervised Extreme Learning Machine. 2017, 9, 70 Prediction of Air Pollutants Concentration Based on an Extreme Learning Machine: The Case of	9
454 453 452	Discretizing Numerical Values by a Fuzzy Clustering Technique. 2017, Urban Traffic Congestion Evaluation Based on Kernel the Semi-Supervised Extreme Learning Machine. 2017, 9, 70 Prediction of Air Pollutants Concentration Based on an Extreme Learning Machine: The Case of Hong Kong. 2017, 14,	9 55
454 453 452 451	Discretizing Numerical Values by a Fuzzy Clustering Technique. 2017, Urban Traffic Congestion Evaluation Based on Kernel the Semi-Supervised Extreme Learning Machine. 2017, 9, 70 Prediction of Air Pollutants Concentration Based on an Extreme Learning Machine: The Case of Hong Kong. 2017, 14, Bioinspired Architecture Selection for Multitask Learning. 2017, 11, 39 TFFN: Two hidden layer feed forward network using the randomness of extreme learning machine.	9 55 1
454 453 452 451 450	Discretizing Numerical Values by a Fuzzy Clustering Technique. 2017, Urban Traffic Congestion Evaluation Based on Kernel the Semi-Supervised Extreme Learning Machine. 2017, 9, 70 Prediction of Air Pollutants Concentration Based on an Extreme Learning Machine: The Case of Hong Kong. 2017, 14, Bioinspired Architecture Selection for Multitask Learning. 2017, 11, 39 TFFN: Two hidden layer feed forward network using the randomness of extreme learning machine. 2017,	9 55 1

446	Stationary Wavelet Singular Entropy and Kernel Extreme Learning for Bearing Multi-Fault Diagnosis. 2017 , 19, 541		22
445	Multiclass power quality events classification using variational mode decomposition with fast reduced kernel extreme learning machine-based feature selection. 2018 , 12, 106-117		16
444	Incremental multiple kernel extreme learning machine and its application in Robo-advisors. <i>Soft Computing</i> , 2018 , 22, 3507-3517	3.5	8
443	Fault diagnosis on slipper abrasion of axial piston pump based on Extreme Learning Machine. 2018 , 124, 378-385		50
442	Prediction of Henry's law constant of CO2 in ionic liquids based on SEP and SEprofile molecular descriptors. 2018 , 262, 139-147		17
441	Managing the computational cost of model selection and cross-validation in extreme learning machines via Cholesky, SVD, QR and eigen decompositions. <i>Neurocomputing</i> , 2018 , 295, 29-45	5.4	20
440	Network intrusion detection using equality constrained-optimization-based extreme learning machines. 2018 , 147, 68-80		28
439	Sparse pseudoinverse incremental extreme learning machine. <i>Neurocomputing</i> , 2018 , 287, 128-142	5.4	13
438	An integrated framework of Extreme Learning Machines for predicting scour at pile groups in clear water condition. 2018 , 135, 1-15		61
437	The memory degradation based online sequential extreme learning machine. <i>Neurocomputing</i> , 2018 , 275, 2864-2879	5.4	9
436	Bi-directional extreme learning machine for semi-blind watermarking of compressed images. 2018 , 38, 71-84		18
435	Variational mode decomposition and weighted online sequential extreme learning machine for power quality event patterns recognition. <i>Neurocomputing</i> , 2018 , 310, 10-27	5.4	29
434	Sparse Recursive Least Mean p-Power Extreme Learning Machine for Regression. 2018 , 6, 16022-16034		5
433	Automatic Power Quality Events Recognition Based on Hilbert Huang Transform and Weighted Bidirectional Extreme Learning Machine. 2018 , 14, 3849-3858		67
432	An efficient cascaded method for network intrusion detection based on extreme learning machines. 2018 , 74, 5797-5812		6
431	Tool wear monitoring and prognostics challenges: a comparison of connectionist methods toward an adaptive ensemble model. 2018 , 29, 1873-1890		48
430	A pathological brain detection system based on kernel based ELM. <i>Multimedia Tools and Applications</i> , 2018 , 77, 3715-3728	2.5	38
429	Extreme learning machine for structured output spaces. 2018 , 30, 1251-1264		8

428	Non-tuned machine learning approach for hydrological time series forecasting. 2018, 30, 1479-1491		51
427	Wavelet transform and Kernel-based extreme learning machine for electricity price forecasting. 2018 , 9, 113-134		12
426	A Parallel Multiclassification Algorithm for Big Data Using an Extreme Learning Machine. 2018 , 29, 2337-2	2351	91
425	Local derivative pattern for action recognition in depth images. <i>Multimedia Tools and Applications</i> , 2018 , 77, 8531-8549	.5	6
424	Improved Meta-ELM with error feedback incremental ELM as hidden nodes. 2018, 30, 3363-3370		5
423	Two swarm intelligence approaches for tuning extreme learning machine. 2018 , 9, 1271-1283		8
422	Training neural networks by marginalizing out hidden layer noise. 2018 , 29, 401-412		3
421	. 2018 , 26, 640-655		11
420	A hybrid soft computing approach based on feature selection for estimation of filtration combustion characteristics. 2018 , 30, 3749-3757		6
419	Big data regression with parallel enhanced and convex incremental extreme learning machines. 2018 , 34, 875-894		1
418	Local kernel alignment based multi-view clustering using extreme learning machine. Neurocomputing, 2018, 275, 1099-1111 5-	·4	13
417	Ensemble dropout extreme learning machine via fuzzy integral for data classification. Neurocomputing, 2018 , 275, 1043-1052	-4	29
416	Predicting compressive strength of lightweight foamed concrete using extreme learning machine model. 2018 , 115, 112-125		169
415	Semi-supervised multi-graph classification using optimal feature selection and extreme learning machine. <i>Neurocomputing</i> , 2018 , 277, 89-100	·4	8
414	A review on neural networks with random weights. <i>Neurocomputing</i> , 2018 , 275, 278-287	·4	220
413	Improving the multimodal probabilistic semantic model by ELM classifiers. 2018 , 355, 1967-1990		4
412	Extreme learning machines with heterogeneous data types. <i>Neurocomputing</i> , 2018 , 277, 38-52	·4	5
411	Ocean wave height prediction using ensemble of Extreme Learning Machine. <i>Neurocomputing</i> , 2018 , 277, 12-20	·4	36

410	Probabilistic group nearest neighbor query optimization based on classification using ELM. <i>Neurocomputing</i> , 2018 , 277, 21-28	5.4	8
409	A clustering method based on extreme learning machine. <i>Neurocomputing</i> , 2018 , 277, 108-119	5.4	26
408	Noise-modulated neural networks as an application of stochastic resonance. <i>Neurocomputing</i> , 2018 , 277, 29-37	5.4	19
407	A weighted accent classification using multiple words. <i>Neurocomputing</i> , 2018 , 277, 120-128	5.4	4
406	Financial time series prediction using №,1 RF-ELM. <i>Neurocomputing</i> , 2018 , 277, 176-186	5.4	16
405	A novel multimodal retrieval model based on ELM. <i>Neurocomputing</i> , 2018 , 277, 65-77	5.4	3
404	Fixed-Size Extreme Learning Machines Through Simulated Annealing. 2018 , 48, 135-151		2
403	Outdoor Path Loss Predictions Based on Extreme Learning Machine. 2018 , 99, 441-460		27
402	An improved extreme learning machine integrated with nonlinear principal components and its application to modeling complex chemical processes. 2018 , 130, 745-753		6
401	Feature selection of generalized extreme learning machine for regression problems. Neurocomputing, 2018, 275, 2810-2823	5.4	9
400	Mortality prediction for ICU patients combining just-in-time learning and extreme learning machine. <i>Neurocomputing</i> , 2018 , 281, 12-19	5.4	12
399	Two Novel Versions of Randomized Feed Forward Artificial Neural Networks: Stochastic and Pruned Stochastic. 2018 , 48, 481-516		5
398	Prediction of Landslide Displacement Using EMD-PSO-ELM with Multiple Factors. 2018,		
397	Adaptive Updating of Power System Transient Stability Prediction Model Based on Data Inheritance. 2018 ,		1
396	An ELM based multi-agent system and its applications to power generation. 2018, 12, 163-171		3
395	Network Traffic Classification Based on AR-ELM Algorithm*. 2018,		
394	Contact State Classification in Industrial Robotic Assembly Tasks Based on Extreme Learning Machine. 2018 ,		3
393	A Bio Inspired Hybrid Krill Herd-Extreme Learning Machine Network Based on LBP and GLCM for Brain Cancer Tissue Taxonomy. 2018 ,		2

375

A Pinball loss based Extreme Learning Machine for pattern classification. 2018, 392 A Hybrid Approach for Model Order Reduction of Barotropic Quasi-Geostrophic Turbulence. 2018, 391 13 3,86 390 PF-FELM: A Robust PCA Feature Selection for Fuzzy Extreme Learning Machine. 2018, 12, 1303-1312 9 The Robotic Fish Strategy Based on The Extreme Learning Machine Optimized by Particle Swarm 389 Optimization Algorithm. 2018, Text Categorization Using a Novel Feature Selection Technique Combined with ELM. 2018, 217-228 388 1 Neural network method for lossless two-conductor transmission line equations based on the IELM 387 2 algorithm. 2018, 8, 065010 Global Solar Radiation Prediction Using Hybrid Online Sequential Extreme Learning Machine Model. 386 30 2018, 11, 3415 Green cover change detection using a modified adaptive ensemble of extreme learning machines 385 for North-Western India. 2018, Inversion of Heavy Metal Content in a Copper Mining Area Based on Extreme Learning Machine 384 Optimized by Particle Swarm Algorithm. 2018, A Modified Ensemble Framework Based on Extreme Learning Machines for Gas Utilization Ratio 383 Prediction. 2018, Voting based Extreme learning Machine with Spectral Coefficient Pruning for binary Classification. 382 2018, Super-Graph Classification Based on Composite Subgraph Features and Extreme Learning Machine. 381 **2018**, 10, 922-936 Analysis of Water, Ethanol, and Fructose Mixtures Using Nondestructive Resonant Spectroscopy of 380 1 Mechanical Vibrations and a Grouping Genetic Algorithm. 2018, 18, Cross-Domain Subspace Learning Approach. 2018, 193-208 379 Theory and Numerical Analysis of Extreme Learning Machine and Its Application for Different 378 3 Degrees of Defect Recognition of Hoisting Wire Rope. 2018, 2018, 1-13 Quantitative analysis of LIBS spectra using hybrid chemometric models through fusion of extreme learning machines and support vector regression. Journal of Intelligent and Fuzzy Systems, 2018, $\frac{1}{2}$, 627 $\frac{1}{6}$ 286 $\frac{12}{2}$ 377 Comparative Analysis of Pre- and Post-Classification Ensemble Methods for Android Malware 376 Detection. 2018, 442-453

Single Channel Continuous Wave Doppler Radar for Differentiating Types of Human Activity. 2018,

374	Extreme Learning Machines for Data Classification Tuning by Improved Bat Algorithm. 2018,		6
373	Electronic Nose: Algorithmic Challenges. 2018 ,		7
372	Parallel one-class extreme learning machine for imbalance learning based on Bayesian approach. 2018 , 1		12
371	DMP-ELMs: Data and model parallel extreme learning machines for large-scale learning tasks. <i>Neurocomputing</i> , 2018 , 320, 85-97	5.4	10
370	Fault Detection and Isolation Based on Extreme Learning Machine optimized by Genetic Algorithm for Flight Control System. 2018 ,		
369	Residual compensation extreme learning machine for regression. <i>Neurocomputing</i> , 2018 , 311, 126-136	5.4	43
368	INNAMP: An incremental neural network architecture with monitor perceptron. 2018, 31, 339-353		0
367	GCV-Based Regularized Extreme Learning Machine for Facial Expression Recognition. 2018, 129-138		5
366	Advances in Machine Learning and Data Science. 2018,		3
365	A fast online multivariable identification method for greenhouse environment control problems. <i>Neurocomputing</i> , 2018 , 312, 63-73	5.4	6
364	Non-tuned data intelligent model for soil temperature estimation: A new approach. 2018, 330, 52-64		75
363	The universal consistency of extreme learning machine. <i>Neurocomputing</i> , 2018 , 311, 176-182	5.4	8
362	Variational mode decomposition based low rank robust kernel extreme learning machine for solar irradiation forecasting. 2018 , 171, 787-806		41
361	Evaluation of the engine performance and exhaust emissions of biodiesel-bioethanol-diesel blends using kernel-based extreme learning machine. 2018 , 159, 1075-1087		161
360	An unsupervised technique to discretize numerical values by fuzzy partitions. 2018 , 10, 289-300		1
359	Kernel extreme learning machines for PolSAR image classification using spatial features. 2018,		
358	Churn and Non-churn of Customers in Banking Sector Using Extreme Learning Machine. 2018 , 51-58		2
357	Adaptive online sequential extreme learning machine for frequency-dependent noise data on offshore oil rig. 2018 , 74, 226-241		4

356	Multi-objective optimal design of submerged arches using extreme learning machine and evolutionary algorithms. 2018 , 71, 826-834		6
355	Optimal Weighted Extreme Learning Machine for Imbalanced Learning with Differential Evolution [Research Frontier]. 2018 , 13, 32-47		4
354	A fast and efficient conformal regressor with regularized extreme learning machine. <i>Neurocomputing</i> , 2018 , 304, 1-11	5.4	9
353	Development of hybrid extreme learning machine based chemo-metrics for precise quantitative analysis of LIBS spectra using internal reference pre-processing method. 2018 , 1030, 33-41		24
352	State-of-Charge Estimation of Battery Pack under Varying Ambient Temperature Using an Adaptive Sequential Extreme Learning Machine. 2018 , 11, 711		17
351	A multiobjective optimization-based sparse extreme learning machine algorithm. <i>Neurocomputing</i> , 2018 , 317, 88-100	5.4	18
350	Modified bidirectional extreme learning machine with GramBchmidt orthogonalization method. <i>Neurocomputing</i> , 2018 , 316, 405-414	5.4	2
349	Hybrid extreme learning machine approach for homogeneous neural networks. <i>Neurocomputing</i> , 2018 , 311, 397-412	5.4	3
348	Fast dimensionality reduction and classification of hyperspectral images with extreme learning machines. 2018 , 15, 439-462		24
347	Artificial bee colony algorithmBptimized error minimized extreme learning machine and its application in short-term wind speed prediction. 2019 , 43, 263-276		16
346	Loss of main detection in distribution generation system based on hybrid signal processing and machine learning technique. 2019 , 29, e2676		9
345	Robust Extreme Learning Machines with Different Loss Functions. 2019 , 49, 1543-1565		5
344	Back propagation bidirectional extreme learning machine for traffic flow time series prediction. 2019 , 31, 7401-7414		10
343	A Dynamic ELM with Balanced Variance and Bias for Long-Term Online Prediction. 2019 , 49, 1257-1271		2
342	Neural-Response-Based Extreme Learning Machine for Image Classification. 2019 , 30, 539-552		11
341	Numerical solution for ruin probability of continuous time model based on neural network algorithm. <i>Neurocomputing</i> , 2019 , 331, 67-76	5.4	7
340	Fiberglass-Reinforced Polyester Composites Fatigue Prediction Using Novel Data-Intelligence Model. 2019 , 44, 3343-3356		12
339	Circular convolution parallel extreme learning machine for modeling boiler efficiency for a 300 MW CFBB. <i>Soft Computing</i> , 2019 , 23, 6567-6577	3.5	3

338	A performance bound of the multi-output extreme learning machine classifier. 2019 , 11, 297-304		
337	Hydrological Responses to the Future Climate Change in a Data Scarce Region, Northwest China: Application of Machine Learning Models. <i>Water (Switzerland)</i> , 2019 , 11, 1588	3	5
336	Hybrid extreme learning machine approach for heterogeneous neural networks. <i>Neurocomputing</i> , 2019 , 361, 137-150	5.4	12
335	A Survey on Extreme Learning Machine and Evolution of Its Variants. 2019 , 572-583		1
334	Rolling Force Prediction of Hot Rolling Based on GA-MELM. 2019 , 2019, 1-11		7
333	Regularized ensemble neural networks models in the Extreme Learning Machine framework. <i>Neurocomputing</i> , 2019 , 361, 196-211	5.4	3
332	Extreme learning machines with expectation kernels. 2019 , 96, 106960		5
331	Variable weights combined model based on multi-objective optimization for short-term wind speed forecasting. 2019 , 82, 105587		67
330	Degradation model of proton exchange membrane fuel cell based on a novel hybrid method. 2019 , 252, 113439		47
329	A Novel Hybrid Prognostic Approach for Remaining Useful Life Estimation of Lithium-Ion Batteries. 2019 , 12, 3678		17
328	Sparse Deep Tensor Extreme Learning Machine for Pattern Classification. 2019 , 7, 119181-119191		3
327	Evolved-Cooperative Correntropy-Based Extreme Learning Machine for Robust Prediction. 2019 , 21, 912		O
326	Fault and Noise Tolerance in the Incremental Extreme Learning Machine. 2019, 7, 155171-155183		7
325	Two noise tolerant incremental learning algorithms for single layer feed-forward neural networks. 2019 , 1		2
324	A hybrid predicting model for displacement of multifactor-triggered landslides. 2019,		
323	Bargaining Compatible Explanations. 2019,		
322	Simulation of groundwater level using MODFLOW, extreme learning machine and Wavelet-Extreme Learning Machine models. 2019 , 9, 100279		25
321	Using Machine Learning for Enhancing the Understanding of Bullwhip Effect in the Oil and Gas Industry. 2019 , 1, 994-1012		6

320	PICO and OS-ELM-LRF Based Online Learning System for Object Detection. 2019,	1
319	Memristive Neural Networks: A Neuromorphic Paradigm for Extreme Learning Machine. 2019 , 3, 15-23	5
318	A Set of New Hermite Kernel Functions in Kernel Extreme Learning Machine and Application in Human Action Recognition. 2019 , 33, 1955014	2
317	Neural Network-Based Formula for the Buckling Load Prediction of I-Section Cellular Steel Beams. 2019 , 8, 2	30
316	An ELM based local topology preserving hashing. 2019 , 10, 2691-2708	1
315	Operation rule derivation of hydropower reservoir by k-means clustering method and extreme learning machine based on particle swarm optimization. <i>Journal of Hydrology</i> , 2019 , 576, 229-238	86
314	Fast Sparse Deep Neural Networks: Theory and Performance Analysis. 2019 , 7, 74040-74055	3
313	Unconstrained convex minimization based implicit Lagrangian twin random vector Functional-link networks for binary classification (ULTRVFLC). 2019 , 81, 105534	7
312	Stationary Wavelet-Fourier Entropy and Kernel Extreme Learning for Bearing Multi-Fault Diagnosis. 2019 , 21,	6
311	Application of quasi-oppositional symbiotic organisms search based extreme learning machine for stock market prediction. 2019 , 12, 175-193	2
310	Random Search Enhancement of Incremental Regularized Multiple Hidden Layers ELM. 2019 , 7, 36866-36878	6
309	Data-driven Geometry-recovering Mesh Denoising. 2019 , 114, 133-142	22
308	On a new method of estimating shear wave velocity from conventional well logs. 2019 , 180, 105-123	22
307	Online ADMM-Based Extreme Learning Machine for Sparse Supervised Learning. 2019 , 7, 64533-64544	4
306	Towards a more efficient and cost-sensitive extreme learning machine: A state-of-the-art review of recent trend. <i>Neurocomputing</i> , 2019 , 350, 70-90	20
305	Data inheritanceBased updating method and its application in transient frequency prediction for a power system. 2019 , 29, e12022	9
304	Iterative minimal residual method provides optimal regularization parameter for extreme learning machines. 2019 , 13, 102082	3
303	Hybrid intelligent deep kernel incremental extreme learning machine based on differential evolution and multiple population grey wolf optimization methods. 2019 , 60, 48-57	4

302	Extreme learning machine optimized by whale optimization algorithm using insulated gate bipolar transistor module aging degree evaluation. <i>Expert Systems With Applications</i> , 2019 , 127, 58-67	41
301	ELM-Kernel and reduced kernel ELM based watermarking scheme. 2019 , 46, 173-192	2
300	Designing a New Data Intelligence Model for Global Solar Radiation Prediction: Application of Multivariate Modeling Scheme. 2019 , 12, 1365	8
299	Analysis of hybrid statistical textural and intensity features to discriminate retinal abnormalities through classifiers. 2019 , 233, 506-514	2
298	Combining Multi-Scale Wavelet Entropy and Kernelized Classification for Bearing Multi-Fault Diagnosis. 2019 , 21,	14
297	Grasshopper optimization algorithm-based approach for the optimization of ensemble classifier and feature selection to classify epileptic EEG signals. 2019 , 57, 1323-1339	11
296	Estimation at Completion Simulation Using the Potential of Soft Computing Models: Case Study of Construction Engineering Projects. 2019 , 11, 190	2
295	Machine learning facilitated business intelligence (Part II). 2019 , 120, 128-163	10
294	Machine learning facilitated business intelligence (Part I). 2019 , 120, 164-195	18
293	Detection and classification of power quality events using empirical wavelet transform and error minimised extreme learning machine. 2019 , 10, 452	2
292	Suitability and importance of deep learning feature space in the domain of text categorisation. 2019 , 8, 73	2
291	Extreme Learning Machine Approach for Prediction of Forest Fires using Topographical and Metrological Data of Vietnam. 2019 ,	O
290	Constrained State-Preserved Extreme Learning Machine. 2019,	1
289	A Mean Model Based Incremental Learning Technique for Extreme Learning Machine. 2019 , 165, 541-547	
288	Multi-codebook Fuzzy Neural Network Using Incremental Learning for Multimodal Data Classification. 2019 ,	
287	An Improved Extreme Learning Machine Based on Auto-Encoder for Production Predictive Modeling of Industrial Processes. 2019 ,	1
286	A Combined Reward-Penalty Loss Function based Extreme Learning Machine for binary classification. 2019 ,	
285	A Novel Orthogonal Extreme Learning Machine for Regression and Classification Problems. 2019 , 11, 1284	

284	Motor Imagination EEG Recognition Algorithm based on DWT, CSP and Extreme Learning Machine. 2019 ,		2
283	An intelligent multi-floor indoor positioning system for cloud-based environment. 2019 , 1-8		5
282	ELM-Fuzzy Method for Automated Decision-Making in Price Directed Electricity Markets. 2019,		О
281	An Efficient Classification of Fuzzy XML Documents Based on Kernel ELM. 2019 , 23, 515		1
280	Probabilistic Weighted Extreme Learning Machine for Robust Modeling. 2019,		
279	Sequential prediction for imbalanced data stream via weighted OS-ELM and dynamic GAN. 2019 , 23, 1191-1204		
278	Mesh Defiltering via Cascaded Geometry Recovery. 2019 , 38, 591-605		6
277	Big Data Analytics. Lecture Notes in Computer Science, 2019 ,	0.9	
276	Classification of Hand Movements from EEG Signals using Machine Learning Techniques. 2019 ,		2
275	Gender identification based on human brain structural MRI with a multi-layer 3D convolution extreme learning machine. 2019 , 1, 91-96		3
274	Estimating Discharge Coefficient of PK-Weir Under Subcritical Conditions Based on High-Accuracy Machine Learning Approaches. 2019 , 43, 89-101		7
273	Information system for e-GDP based on computational intelligence approach. 2019 , 513, 418-423		4
272	An enhanced extreme learning machine model for river flow forecasting: State-of-the-art, practical applications in water resource engineering area and future research direction. <i>Journal of Hydrology</i> , 2019 , 569, 387-408	6	324
271	Travel Time Functions Prediction for Time-Dependent Networks. 2019 , 11, 145-158		2
270	Calibration of magnetic compass using an improved extreme learning machine based on reverse tuning. 2019 , 39, 121-128		4
269	\$L_{21}\$ -Norm Based Loss Function and Regularization Extreme Learning Machine. 2019 , 7, 6575-658	5	18
268	Ensemble OS-ELM based on combination weight for data stream classification. 2019 , 49, 2382-2390		7
267	A Novel Ship Target Detection Algorithm Based on Error Self-adjustment Extreme Learning Machine and Cascade Classifier. 2019 , 11, 110-124		10

266	A Novel fuzzy frame selection based watermarking scheme for MPEG-4 videos using Bi-directional extreme learning machine. 2019 , 74, 603-620	15
265	Network embedding based on deep extreme learning machine. 2019 , 10, 2709-2724	3
264	An experimental study on symbolic extreme learning machine. 2019 , 10, 787-797	11
263	Short-term wind speed prediction based on improved PSO algorithm optimized EM-ELM. 2019 , 41, 26-46	51
262	A bibliometric overview of International Journal of Machine Learning and Cybernetics between 2010 and 2017. 2019 , 10, 2375-2387	7
261	Extreme learning machine-based prediction of uptake of pharmaceuticals in reclaimed water-irrigated lettuces in the Region of Murcia, Spain. 2019 , 177, 78-89	6
260	Content-Insensitive Blind Image Blurriness Assessment Using Weibull Statistics and Sparse Extreme Learning Machine. 2019 , 49, 516-527	7
259	Fast and Accurate Classification of Time Series Data Using Extended ELM: Application in Fault Diagnosis of Air Handling Units. 2019 , 49, 1349-1356	50
258	Constructive Neural Network Learning. 2019 , 49, 221-232	9
257	. 2019 , 49, 2175-2188	5
257 256	. 2019 , 49, 2175-2188 Fast discrete s-transform and extreme learning machine based approach to islanding detection in grid-connected distributed generation. 2019 , 10, 757-789	19
	Fast discrete s-transform and extreme learning machine based approach to islanding detection in	
256	Fast discrete s-transform and extreme learning machine based approach to islanding detection in grid-connected distributed generation. 2019 , 10, 757-789	19
256 255	Fast discrete s-transform and extreme learning machine based approach to islanding detection in grid-connected distributed generation. 2019 , 10, 757-789 Kernel extreme learning machine based on fuzzy set theory for multi-label classification. 2019 , 10, 979-989	19
256 255 254	Fast discrete s-transform and extreme learning machine based approach to islanding detection in grid-connected distributed generation. 2019, 10, 757-789 Kernel extreme learning machine based on fuzzy set theory for multi-label classification. 2019, 10, 979-989 Cross-Domain Extreme Learning Machines for Domain Adaptation. 2019, 49, 1194-1207	19 10 17
256 255 254 253	Fast discrete s-transform and extreme learning machine based approach to islanding detection in grid-connected distributed generation. 2019, 10, 757-789 Kernel extreme learning machine based on fuzzy set theory for multi-label classification. 2019, 10, 979-989 Cross-Domain Extreme Learning Machines for Domain Adaptation. 2019, 49, 1194-1207 Self-Adaptive Framework for Efficient Stream Data Classification on Storm. 2020, 50, 123-136	19 10 17
256 255 254 253 252	Fast discrete s-transform and extreme learning machine based approach to islanding detection in grid-connected distributed generation. 2019, 10, 757-789 Kernel extreme learning machine based on fuzzy set theory for multi-label classification. 2019, 10, 979-989 Cross-Domain Extreme Learning Machines for Domain Adaptation. 2019, 49, 1194-1207 Self-Adaptive Framework for Efficient Stream Data Classification on Storm. 2020, 50, 123-136 Blind Noisy Image Quality Assessment Using Sub-Band Kurtosis. 2020, 50, 1146-1156	19 10 17 11 10

(2020-2020)

248	A hybrid structure of an extreme learning machine combined with feature selection, signal decomposition and parameter optimization for short-term wind speed forecasting. 2020 , 42, 3-21	8
247	Automated Geometric Shape Deviation Modeling for Additive Manufacturing Systems via Bayesian Neural Networks. 2020 , 17, 584-598	18
246	An Optimized Data Distribution Model for ElasticChain to Support Blockchain Scalable Storage. Proceedings in Adaptation, Learning and Optimization, 2020, 76-85	1
245	An experimental evaluation of extreme learning machines on several hardware devices. 2020 , 32, 14385-143	397 ₁
244	Nature-Inspired Computation in Data Mining and Machine Learning. 2020,	1
243	G-mean based extreme learning machine for imbalance learning. 2020 , 98, 102637	9
242	Reliability and sensitivity analysis of robust learning machine in prediction of bank profile morphology of threshold sand rivers. 2020 , 153, 107411	3
241	High-order fuzzy clustering algorithm based on multikernel mean shift. <i>Neurocomputing</i> , 2020 , 385, 63-79.4	7
240	Unsupervised feature selection based extreme learning machine for clustering. <i>Neurocomputing</i> , 2020 , 386, 198-207	20
239	Forecasting air passenger demand with a new hybrid ensemble approach. 2020 , 83, 101744	12
238	Credit score classification using spiking extreme learning machine. 2020 , 36, 402-426	16
237	Research on a method for predicting the underflow concentration of a thickener based on the hybrid model. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020 , 14, 13-26	3
236	Unsupervised feature selection algorithm for multiclass cancer classification of gene expression RNA-Seq data. 2020 , 112, 1916-1925	11
235	Numerical solution of several kinds of differential equations using block neural network method with improved extreme learning machine algorithm. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020 , 1.6 38, 3445-3461	5
234	Self-Adaptive Hybrid Extreme Learning Machine for Heterogeneous Neural Networks. 2020,	
233	The capacity estimation and cycle life prediction of lithium-ion batteries using a new broad extreme learning machine approach. 2020 , 476, 228581	39
232	A Hybrid Method Based on Extreme Learning Machine and Self Organizing Map for Pattern Classification. <i>Computational Intelligence and Neuroscience</i> , 2020 , 2020, 2918276	4
231	Short-term streamflow time series prediction model by machine learning tool based on data preprocessing technique and swarm intelligence algorithm. 2020 , 65, 2590-2603	4

230	Evolutionary Extreme Learning Machine with novel activation function for credit scoring. 2020 , 96, 103980	11
229	Research Progress on the Early Monitoring of Pine Wilt Disease Using Hyperspectral Techniques. 2020 , 20,	14
228	SeCoST:: Sequential Co-Supervision for Large Scale Weakly Labeled Audio Event Detection. 2020,	1
227	Smoothing L0 Regularization for Extreme Learning Machine. 2020 , 2020, 1-10	4
226	Computer-Aided Diagnosis Based on Extreme Learning Machine: A Review. 2020 , 8, 141657-141673	2
225	An improved optimal trigonometric ELM algorithm for numerical solution to ruin probability of Erlang(2) risk model. <i>Multimedia Tools and Applications</i> , 2020 , 79, 30235-30255	1
224	Prediction of Fatigue Crack Growth Behaviour in Ultrafine Grained Al 2014 Alloy Using Machine Learning. 2020 , 10, 1349	9
223	Subset Sampling for Progressive Neural Network Learning. 2020,	
222	Leather defect classification and segmentation using deep learning architecture. 2020, 33, 1105-1117	11
221	Enhancement of Neural Network Based Multi Agent System for Classification and Regression in Energy System. 2020 , 8, 163026-163043	3
220	Deep kernel learning approach to engine emissions modeling. 2020 , 1,	8
219	A Novel Hybrid DecompositionEnsemble Prediction Model for Dam Deformation. 2020 , 10, 5700	6
218	An Obstacle Detection Method for USV by Fusing of Radar and Motion Stereo. 2020,	
217	Phasmatodea population evolution algorithm and its application in length-changeable incremental extreme learning machine. 2020 ,	17
216	Nondestructive and rapid grading of tobacco leaves by use of a hand-held near-infrared spectrometer, based on a particle swarm optimization-extreme learning machine algorithm. 2020 , 53, 685-691	3
215	Detecting pathological brain via ResNet and randomized neural networks. 2020 , 6, e05625	6
214	Two-Stage Game Strategy for Multiclass Imbalanced Data Online Prediction. 2020 , 52, 2493-2512	1
213	Advanced Computing Technologies and Applications. 2020,	2

(2020-2020)

212	Intelligent Clustering and Dynamic Incremental Learning to Generate Multi-Codebook Fuzzy Neural Network for Multi-Modal Data Classification. 2020 , 12, 679		1
211	EEG-based tonic cold pain assessment using extreme learning machine. 2020 , 24, 163-182		2
210	Conditioning optimization of extreme learning machine by multitask beetle antennae swarm algorithm. 2020 , 12, 151-164		2
209	Machine learning for predicting greenhouse gas emissions from agricultural soils. 2020 , 741, 140338		29
208	Improving Classification Accuracy Using Hybrid of Extreme Learning Machine and Artificial Algae Algorithm with Multi-Light Source. 2020 , 28, 213-236		
207	Smart Cities: Big Data Prediction Methods and Applications. 2020 ,		4
206	Prediction of ozone hourly concentrations by support vector machine and kernel extreme learning machine using wavelet transformation and partial least squares methods. 2020 , 11, 51-60		27
205	GaussBeidel Extreme Learning Machines. SN Computer Science, 2020, 1, 1	2	
204	An improved algorithm for incremental extreme learning machine. 2020 , 8, 308-317		4
203	Harmonic Amplitude Dispersion: When Production Intrinsic Prior Meets Oxygen Concentration Detection of Pharmaceutical Glass Vials. 2020 , 69, 9833-9843		2
202	Extreme learning machine and swarm-based support vector regression methods for predicting crystal lattice parameters of pseudo-cubic/cubic perovskites. 2020 , 127, 245107		10
201	Non-iterative and Fast Deep Learning: Multilayer Extreme Learning Machines. 2020 , 357, 8925-8955		36
200	Spatio-temporal variation of reference evapotranspiration in northwest China based on CORDEX-EA. 2020 , 238, 104868		12
199	Gas Source Declaration With Tetrahedral Sensing Geometries and Median Value Filtering Extreme Learning Machine. 2020 , 8, 7227-7235		1
198	Extreme learning machine with hybrid cost function of G-mean and probability for imbalance learning. 2020 , 11, 2007-2020		6
197	A real-time power quality events recognition using variational mode decomposition and online-sequential extreme learning machine. 2020 , 157, 107597		23
196	Non-Tuned Machine Learning Approach for Predicting the Compressive Strength of High-Performance Concrete. 2020 , 13,		11
195	A survey on river water quality modelling using artificial intelligence models: 2000 2 020. <i>Journal of Hydrology</i> , 2020 , 585, 124670	6	143

194	Unconstrained convex minimization based implicit Lagrangian twin extreme learning machine for classification (ULTELMC). 2020 , 50, 1327-1344	9
193	Wireless sensor network intrusion detection system based on MK-ELM. Soft Computing, 2020, 24, 12361-91337-	4 ₁₂
192	Receiving More Accurate Predictions for Longitudinal Dispersion Coefficients in Water Pipelines: Training Group Method of Data Handling Using Extreme Learning Machine Conceptions. 2020 , 34, 529-561	77
191	Fault Diagnosis of Fuel System Based on Improved Extreme Learning Machine. 2020 , 53, 2553	9
190	A Novel Hierarchical Hybrid Model for Short-Term Bus Passenger Flow Forecasting. 2020 , 2020, 1-16	5
189	A hybrid model for river water level forecasting: Cases of Xiangjiang River and Yuanjiang River, China. <i>Journal of Hydrology</i> , 2020 , 587, 124934	11
188	Modeling the Maximum Magnetic Entropy Change of Doped Manganite Using a Grid Search-Based Extreme Learning Machine and Hybrid Gravitational Search-Based Support Vector Regression. 2020 , 10, 310	14
187	Corporate Social Responsibility and Corporate Performance: A Hybrid Text Mining Algorithm. 2020 , 12, 3075	4
186	Proton Exchange Membrane Fuel Cell Prognostics Using Genetic Algorithm and Extreme Learning Machine. 2020 , 20, 263-271	14
185	Advanced machine learning model for better prediction accuracy of soil temperature at different depths. 2020 , 15, e0231055	25
184	Computer-Aided Dementia Diagnosis Based on Hierarchical Extreme Learning Machine. 2021, 13, 34-48	4
183	Investigating low-permeability sandstone based on physical experiments and predictive modeling. 2021 , 6, 364-378	3
182	Machine Learning Algorithms in Civil Structural Health Monitoring: A Systematic Review. 2021 , 28, 2621-2643	53
181	Solving two-dimensional linear partial differential equations based on Chebyshev neural network with extreme learning machine algorithm. 2021 , 38, 874-894	2
180	A novel online sequential extreme learning machine with L2,1-norm regularization for prediction problems. 2021 , 51, 1669-1689	5
179	Can deep learning algorithms outperform benchmark machine learning algorithms in flood susceptibility modeling?. <i>Journal of Hydrology</i> , 2021 , 592, 125615	25
178	A compensation-based optimization strategy for top dense layer training. <i>Neurocomputing</i> , 2021 , 453, 563-578	
177	Supervised kernel density estimation K-means. <i>Expert Systems With Applications</i> , 2021 , 168, 114350 7.8	7

176	Research on Air Traffic Flow Forecast Based on ELM Non-Iterative Algorithm. 2021, 26, 425-439	6
175	Prediction of aircraft trajectory and the associated fuel consumption using covariance bidirectional extreme learning machines. 2021 , 145, 102189	2
174	Detecting Water Depth from Remotely Sensed Imagery Based on ELM and GA-ELM. 2021, 49, 947-957	1
173	Forecasting of e-commerce transaction volume using a hybrid of extreme learning machine and improved moth-flame optimization algorithm. 2021 , 51, 952-965	8
172	. 2021 , 51, 3664-3677	4
171	Regularized based implicit Lagrangian twin extreme learning machine in primal for pattern classification. 2021 , 12, 1311-1342	10
170	Dynamic Adaptive Search Strategy Based Incremental Extreme Learning Machine Based on. 2021 , 562-571	
169	Extreme Learning Machine Based on Double Kernel Risk-Sensitive Loss for Cancer Samples Classification. <i>Lecture Notes in Computer Science</i> , 2021 , 532-539	
168	Predicting Human Intentions in Human-Robot Hand-Over Tasks Through Multimodal Learning. 2021 , 1-15	О
167	Online Sequential Complex-Valued ELM for Noncircular Signals: Augmented Structures and Learning Algorithms. 2021 , 9, 66006-66016	
166	Prediction of cooling moisture content after cut tobacco drying process based on a particle swarm optimization-extreme learning machine algorithm. 2021 , 18, 2496-2507	2
165	A Leaf Disease Detection Mechanism Based on L1-Norm Minimization Extreme Learning Machine. 2021 , 1-5	2
164	Machine-learning-based multi-step heat demand forecasting in a district heating system. 2021 , 233, 110673	4
163	Experimental analysis of machine learning methods for credit score classification. 2021 , 10, 217-243	2
162	A Secured Frame Selection Based Video Watermarking Technique to Address Quality Loss of Data: Combining Graph Based Transform, Singular Valued Decomposition, and Hyperchaotic Encryption. 2021 , 2021, 1-19	21
161	Parallel computing and swarm intelligence based artificial intelligence model for multi-step-ahead hydrological time series prediction. 2021 , 66, 102686	21
160	Concrete corrosion in wastewater systems: Prediction and sensitivity analysis using advanced extreme learning machine. 2021 , 15, 444	4
159	Extreme Learning Machine Based on Calculating the Output Weight of Partial Robust M-regression. 2021 , 1848, 012148	О

158	A Hybrid Method Based on Extreme Learning Machine and Wavelet Transform Denoising for Stock Prediction. 2021 , 23,		8
157	A Hydraulic Pump Fault Diagnosis Method Based on the Modified Ensemble Empirical Mode Decomposition and Wavelet Kernel Extreme Learning Machine Methods. 2021 , 21,		4
156	A review on global solar radiation prediction with machine learning models in a comprehensive perspective. 2021 , 235, 113960		31
155	A review on extreme learning machine. Multimedia Tools and Applications, 1	2.5	26
154	Active learning for road lane landmark inventory with V-ELM in highly uncontrolled image capture conditions. <i>Neurocomputing</i> , 2021 , 438, 259-269	5.4	2
153	Remote sensing retrieval of saline and alkaline land based on reflectance spectroscopy and RV-MELM in Zhenlai County. 2021 , 139, 106909		3
152	Universal Approximation Property of Quantum Machine Learning Models in Quantum-Enhanced Feature Spaces. 2021 , 127, 090506		5
151	DeepSun: machine-learning-as-a-service for solar flare prediction. 2021 , 21, 160		1
150	Study of the Optimal Waveforms for Non-Destructive Spectral Analysis of Aqueous Solutions by Means of Audible Sound and Optimization Algorithms. 2021 , 11, 7301		0
149	Improved Extreme Learning Machine Method for Wind Turbine Clutter Mitigation. 2021,		
148	Comparative Study of Hybrid Artificial Intelligence Approaches for Predicting Peak Shear Strength Along Soil-Geocomposite Drainage Layer Interfaces. 2021 , 7, 1		3
147	Feature learning for stacked ELM via low-rank matrix factorization. <i>Neurocomputing</i> , 2021 , 448, 82-93	5.4	4
146	FIGS-DEAF: an novel implementation of hybrid deep learning algorithm to predict autism spectrum disorders using facial fused gait features. 1		
145	Developing an artificial intelligent model for predicting combustion and flammability properties.		1
144	Negative Correlation Hidden Layer for the Extreme Learning Machine. 2021 , 109, 107482		1
143	A modified batch intrinsic plasticity method for pre-training the random coefficients of extreme learning machines. 2021 , 445, 110585		3
142	Deterministic Multi-kernel based extreme learning machine for pattern classification. <i>Expert Systems With Applications</i> , 2021 , 183, 115308	7.8	4
141	Generic Framework for Integration of First Prediction Time Detection With Machine Degradation Modelling from Frequency Domain. 2021 , 1-13		2

140	Improved Convex Incremental Extreme Learning Machine Based on Enhanced Random Search. 2014 , 2033-2040		4	
139	An Improved Extreme Learning Machine Tuning by Flower Pollination Algorithm. 2020 , 95-112		1	
138	Reduced Kernel Extreme Learning Machine. 2013 , 63-69		9	
137	Efficient Data Representation Combining with ELM and GNMF. 2014 , 13-23		1	
136	Freshwater Algal Bloom Prediction by Extreme Learning Machine in Macau Storage Reservoirs. 2014 , 95-111		3	
135	ELM-Based Adaptive Live Migration Approach of Virtual Machines. 2014 , 113-134		1	
134	A Greedy Incremental Algorithm for Universal Approximation with RBF Newtorks. 2014 , 145-157		2	
133	A Deep and Stable Extreme Learning Approach for Classification and Regression. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 141-150	0.2	5	
132	A Self-Organizing Mixture Extreme Leaning Machine for Time Series Forecasting. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 225-236	0.2	1	
131	Parallel Ensemble of Online Sequential Extreme Learning Machine Based on MapReduce. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 31-40	0.2	4	
130	C-ELM: A Curious Extreme Learning Machine for Classification Problems. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 355-366	0.2	4	
129	Adaptive Neural Control of a Quadrotor Helicopter with Extreme Learning Machine. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 125-134	0.2	2	
128	Hyperspectral Image Nonlinear Unmixing by Ensemble ELM Regression. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 289-297	0.2	1	
127	Back Propagation Convex Extreme Learning Machine. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2018 , 259-272	0.2	6	
126	Incremental Extreme Learning Machine via Fast Random Search Method. <i>Lecture Notes in Computer Science</i> , 2017 , 82-90	0.9	2	
125	Face Recognition Based on Kernelized Extreme Learning Machine. <i>Lecture Notes in Computer Science</i> , 2011 , 263-272	0.9	22	
124	Applying Least Angle Regression to ELM. Lecture Notes in Computer Science, 2012, 170-180	0.9	2	
123	Cost-Sensitive Extreme Learning Machine. Lecture Notes in Computer Science, 2013, 478-488	0.9	9	

122	A New Fuzzy Extreme Learning Machine for Regression Problems with Outliers or Noises. <i>Lecture Notes in Computer Science</i> , 2013 , 524-534	0.9	4
121	Integrating Support Vector Regression with Particle Swarm Optimization for Numerical Modeling for Algal Blooms of Freshwater. 2017 , 125-141		4
120	Least Squares Twin Extreme Learning Machine for Pattern Classification. 2019, 561-571		5
119	A novel classification approach based on Extreme Learning Machine and Wavelet Neural Networks. <i>Multimedia Tools and Applications</i> , 2020 , 79, 13869-13890	2.5	4
118	Remote sensing inversion of saline and alkaline land based on reflectance spectroscopy and D-TELM algorithm in Wuyuan areas. 2020 , 109, 103367		4
117	Coal Classification Method Based on Improved Local Receptive Field-Based Extreme Learning Machine Algorithm and Visible-Infrared Spectroscopy. 2020 , 5, 25772-25783		5
116	Data-Driven Model for the Prediction of Total Dissolved Gas: Robust Artificial Intelligence Approach. 2020 , 2020, 1-20		11
115	Potential of neural networks for structural damage localization. 2019 , 11,		3
114	Pruned Fast Learning Fuzzy Approach for Data-Driven Traffic Flow Prediction. 2016 , 20, 1181-1191		2
113	Application of ANN in Pavement Engineering: State-of-Art.		7
112	Extreme Learning Machine for the Classification of Rainfall and Thunderstorm. 2014 , 15, 153-156		4
111	Determination of Work Zone Capacity Using ELM, MPMR and GPR. 2016 , 93-111		2
110	Unorganized Machines. 2011 , 2, 1-16		5
109	Stepwise Constructive Method for Neural Networks Using a Flexible Incremental Algorithm. 2009 , 19, 574-579		
108	Comparing Studies of Learning Methods for Human Face Gender Recognition. <i>Lecture Notes in Computer Science</i> , 2012 , 67-74	0.9	
107	Modeling Spectral Data Based on Mutual Information and Kernel Extreme Learning Machines. Lecture Notes in Computer Science, 2012 , 29-36	0.9	
106	Electronic Nose For The Vinegar Quality Evaluation By An Incremental RBF Network. 2012, 7,		1
105	HONNs with Extreme Learning Machine to Handle Incomplete Datasets. 2013 , 276-292		

104	Deformed Kernel Based Extreme Learning Machine. 2013 , 8,		1
103	Constrained Optimization-Based Bayesian Posterior Probability Extreme Learning Machine for Pattern Classification. <i>Lecture Notes in Computer Science</i> , 2014 , 466-473	0.9	1
102	An ELM Based Multi Agent Systems Using Certified Belief in Strength. <i>Lecture Notes in Computer Science</i> , 2014 , 458-465	0.9	
101	Unorganized Machines. 2014 , 221-236		Ο
100	Training Generalized Feedforword Kernelized Neural Networks on Very Large Datasets for Regression Using Minimal-Enclosing-Ball Approximation. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 203-214	0.2	1
99	A Semi-supervised Online Sequential Extreme Learning Machine Method. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 301-310	0.2	
98	Identification of Remote Sensing Image of Adverse Geological Body Based on Classification. 2015, 232-	241	1
97	Quasi-Linear Extreme Learning Machine Model Based Nonlinear System Identification. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 121-130	0.2	O
96	Using Extreme Learning Machine for Filamentous Bulking Prediction in Wastewater Treatment Plants. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 1-9	0.2	
95	Keyword Search on Probabilistic XML Data Based on ELM. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 135-144	0.2	
94	ELM Based Fast CFD Model with Sensor Adjustment. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 357-367	0.2	1
93	Multifault Diagnosis for Rolling Element Bearings Based on Extreme Learning Machine. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 209-222	0.2	1
92	Online Sequential Extreme Learning Machine for Watermarking. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 115-124	0.2	1
91	Distributed Learning over Massive XML Documents in ELM Feature Space. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 279-288	0.2	O
90	ELM Based Efficient Probabilistic Threshold Query on Uncertain Data. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015 , 71-80	0.2	0
89	Electric Efficiency Modelling of a Complex Cogeneration Process Using Extreme Learning Machines. 2015 , 5, 399-403		O
88	Dynamic Adjustment of Hidden Layer Structure for Convex Incremental Extreme Learning Machine. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2016 , 345-355	0.2	
87	Large-Scale Scene Recognition Based on Extreme Learning Machines. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2016 , 1-18	0.2	Ο

86	Routing Tree Maintenance Based on Trajectory Prediction in Mobile Sensor Networks. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2016 , 409-421	0.2	
85	Multi-label Text Categorization Using (L_{21})-norm Minimization Extreme Learning Machine. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2016 , 121-133	0.2	
84	Automated Human Facial Expression Recognition Using Extreme Learning Machines. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2016 , 209-222	0.2	1
83	Continuous Top-K Remarkable Comments over Textual Streaming Data Using ELM. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2016 , 155-168	0.2	
82	NMR Image Segmentation Based on Unsupervised Extreme Learning Machine. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2016 , 333-346	0.2	
81	H-MRST: A Novel Framework for Support Uncertain Data Range Query Using ELM. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2016 , 77-91	0.2	
80	Beauty Analysis by Learning Machine and Subspace Extension. 2016 , 167-197		
79	An Improved Fuzzy Extreme Learning Machine for Classification and Regression. 2016,		4
78	A Novel Prediction Scheme for Hot Rolled Strip Thickness Based on Extreme Learning Machine. 2017 , 166-172		
77	Improving Generalization Capability of Extreme Learning Machine with Synthetic Instances Generation. <i>Lecture Notes in Computer Science</i> , 2017 , 3-12	0.9	
76	Noise Resistant Training for Extreme Learning Machine. Lecture Notes in Computer Science, 2017, 257-	- 265 .9	
75	Sparse Extreme Learning Machine Using Privileged Information for Classification. 2017 , 205-213		
74	Single image super-resolution via regularized extreme learning regression for imagery from microgrid polarimeters. 2017 ,		
73	Reproducing Polynomial Kernel Extreme Learning Machine. 2017 , 21, 795-802		1
72	Prediction of Rolling Force Based on a Fusion of Extreme Learning Machine and Self Learning Model of Rolling Force. 2018 , 3-11		
71	Improved Adaptive Incremental Error-Minimization-Based Extreme Learning Machine with Localized Generalization Error Model. <i>Lecture Notes in Computer Science</i> , 2018 , 112-122	0.9	
70			
	Neural Network-Based Formula for the Buckling Load Prediction of I-Section Cellular Steel Beams.		

68	Intelligent Models Applied to Elastic Modulus of Jointed Rock Mass. 2018 , 1-30		1
67	Potential of Neural Networks for Structural Damage Localization.		
66	Deep Learning and Biomedical Engineering. 2018 , 283-296		
65	Performance Analysis of Extreme Learning Machine Variants with Varying Intermediate Nodes and Different Activation Functions. 2019 , 613-623		O
64	Hierarchical Pruning Discriminative Extreme Learning Machine. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2019 , 230-239	0.2	
63	Protecting User Privacy in Mobile Environment Using ELM-UPP. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2019 , 22-34	0.2	
62	An Extended Extreme Learning Machine with Residual Compensation and Its Application to Device-Free Localization. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2019 , 327-337	0.2	
61	Memristive Extreme Learning Machine: A Neuromorphic Implementation. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2019 , 123-134	0.2	
60	Potential of Neural Networks for Maximum Displacement Predictions in Railway Beams on Frictionally Damped Foundations.		
59	Deep Learning in the Domain of Near-Duplicate Document Detection. <i>Lecture Notes in Computer Science</i> , 2019 , 439-459	0.9	2
58	Deep Learning and Biomedical Engineering. 2019 , 562-575		
57	A Fast Algorithm for Sparse Extreme Learning Machine. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2020 , 55-64	0.2	
56	AtelBielAlgoritmasDestekli Affenme Makinesi ile Gil Kanseri Veri Kihelerinin SillandfimasH637-644		
55	Ensemble Learning via Extreme Learning Machines for Imbalanced Data. 2020 , 59-88		1
54	The Simplification Conspiracy. 2021 , 11-23		
53	Local Binary Pattern Based ELM for Face Identification. 2021 , 363-369		1
52	Application of ELM-MapReduce Technique in Stock Market Forecasting. 2021, 469-476		
51	Extreme learning machine with feature mapping of kernel function. 2020 , 14, 2495-2502		1

prediction Models of Urban Air Quality in Smart Environment. **2020**, 227-260

49	A New Hybrid Approach For Classification Problem. 2020 ,		
48	Characteristics and Analysis of Urban Traffic Flow in Smart Traffic Systems. 2020 , 125-158		1
47	The Effects of Missing Data Characteristics on the Choice of Imputation Techniques. <i>Vietnam Journal of Computer Science</i> , 2020 , 07, 161-177	0.8	
46	Driver Drowsiness Behavior Detection and Analysis Using Vision-Based Multimodal Features for Driving Safety.		3
45	An Extreme Learning Machine based Approach to Detect the Alzheimer's Disease. 2021 ,		
44	Impact of multilayer ELM feature mapping technique on supervised and semi-supervised learning algorithms. <i>Soft Computing</i> , 2022 , 26, 423	3.5	2
43	Comparative Analysis of Different Classification Techniques. SN Computer Science, 2022, 3, 1	2	O
42	Multi-level Cascading Extreme Learning Machine and Its Application to CSI Based Device-Free Localization. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2021 , 151-160	0.2	
41	Noise/Fault Aware Regularization for Incremental Learning in Extreme Learning Machines. <i>Neurocomputing</i> , 2021 ,	5.4	O
40	Extreme learning machine based sub-surface crack detection and quantification method for ACFM. <i>Journal of Magnetism and Magnetic Materials</i> , 2021 , 546, 168865	2.8	2
39	An adaptive extreme learning machine based on an active learning method for structural reliability analysis. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021 , 43, 1	2	4
38	BBBleme sBavBa girecek Benci sayBBBB tahmini ilh k-ELM yaklaBh∃		
37	A review on the fatigue behaviour of AlSi10Mg alloy fabricated using laser powder bed fusion technique. <i>Journal of Materials Research and Technology</i> , 2022 , 17, 1013-1029	5.5	O
36	Parallel cooperation search algorithm and artificial intelligence method for streamflow time series forecasting. <i>Journal of Hydrology</i> , 2022 , 606, 127434	6	5
35	Intelligent color matching model for wood dyeing using Genetic Algorithm and Extreme learning machine. <i>Journal of Intelligent and Fuzzy Systems</i> , 2022 , 1-11	1.6	1
34	Human facial emotion recognition using improved black hole based extreme learning machine. <i>Multimedia Tools and Applications</i> , 1	2.5	О
33	Differential Evolution Algorithm Optimized ELM Fault Diagnosis of Flight Control System Actuator. 2021 ,		

Short-Term Wind Direction Forecasting Based on Online Sequential Extreme Learning Machine. **2022**,

31	Heterogeneous hybrid extreme learning machine for temperature sensor accuracy improvement. <i>Expert Systems With Applications</i> , 2022 , 117488	7.8	
30	Extreme learning machine computational method of modeling energy gap of doped zinc selenide nano-material semiconductor. <i>Materials Today Communications</i> , 2022 , 31, 103626	2.5	
29	Soil-cutting simulation and dual-objective optimization on tillage process parameters of micro-tiller by smoothed particle Galerkin modeling and genetic algorithm. <i>Computers and Electronics in Agriculture</i> , 2022 , 198, 107021	6.5	Ο
28	A Novel Key Features Screening Method Based on Extreme Learning Machine for Alzheimer Disease Study. <i>Frontiers in Aging Neuroscience</i> , 2022 , 14,	5.3	О
27	Diagnosis of Alzheimer Disease with Extreme Learning Machine on Whole-Brain Functional Connectivity. <i>Concepts in Magnetic Resonance Part B</i> , 2022 , 2022, 1-14	2.3	Ο
26	Inflow forecasting using regularized extreme learning machine: Haditha reservoir chosen as case study. Stochastic Environmental Research and Risk Assessment,	3.5	О
25	An Incremental Extreme Learning Machine Prediction Method Based on Attenuated Regularization Term. <i>Lecture Notes in Computer Science</i> , 2022 , 189-200	0.9	
24	Monthly and seasonal hydrological drought forecasting using multiple extreme learning machine models. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2022 , 16, 1364-1381	4.5	2
23	Non-iterative learning machine for identifying CoViD19 using chest X-ray images. <i>Scientific Reports</i> , 2022 , 12,	4.9	
22	PCA-Based Incremental Extreme Learning Machine (PCA-IELM) for COVID-19 Patient Diagnosis Using Chest X-Ray Images. <i>Computational Intelligence and Neuroscience</i> , 2022 , 2022, 1-17	3	
21	A hybrid framework based on extreme learning machine, discrete wavelet transform, and autoencoder with feature penalty for stock prediction. <i>Expert Systems With Applications</i> , 2022 , 207, 1	18006	O
20	Improving Results of Existing Groundwater Numerical Models Using Machine Learning Techniques: A Review. <i>Water (Switzerland)</i> , 2022 , 14, 2307	3	2
19	Optimizing Extreme Learning Machine by Animal Migration Optimization. 2022,		
18	Back-propagation extreme learning machine. 2022 , 26, 9179-9188		1
17	Predicting stress-dependent gas permeability of cement mortar with different relative moisture contents based on hybrid ensemble artificial intelligence algorithms. 2022 , 348, 128660		O
16	Benchmarking Training Methodologies for Dense Neural Networks. 2022 , 707-713		O
15	Semi-Supervised Online Kernel Extreme Learning Machine for Multi-Label Data Stream Classification. 2022 ,		Ο

14	Deep Randomized Feed-forward Networks Based Prediction of Human Joint Angles Using Wearable Inertial Measurement Unit: Performance Comparison. 2022 ,	О
13	An Efficient Approach for Accident Severity Classification in Smart Transportation System.	O
12	Characterization of Biocomposites and Glass Fiber Epoxy Composites Based on Acoustic Emission Signals, Deep Feature Extraction, and Machine Learning. 2022 , 22, 6886	O
11	Forecasting of solar radiation using different machine learning approaches.	O
10	Prediction of pear sugar content based on near infrared spectroscopy. 2022,	О
9	Development and Implementation of an AI-Embedded and ROS-Compatible Smart Glove System in Human-Robot Interaction. 2022 ,	О
8	Underwater Image Classification Algorithm Based on Convolutional Neural Network and Optimized Extreme Learning Machine. 2022 , 10, 1841	О
7	Time efficient variants of Twin Extreme Learning Machine. 2023 , 17, 200169	О
6	A Novel Feature Selection Based Text Classification Using Multi-layer ELM. 2022 , 33-52	О
5	Prediction of reference crop evapotranspiration: Empirical and machine learning approaches. 2023 , 253-268	O
4	Balanced weighted extreme learning machine for imbalance learning of credit default risk and manufacturing productivity.	О
3	Approximate solutions to several classes of Volterra and Fredholm integral equations using the neural network algorithm based on the sine-cosine basis function and extreme learning machine. 17,	O
2	Multilayer extreme learning machine: a systematic review.	O
1	A Review of multilayer extreme learning machine neural networks.	О