Extreme Learning Machine for Regression and Multicla

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Forecasting Computer Products Sales by Integrating Ensemble Empirical Mode Decomposition and Extreme Learning Machine. Mathematical Problems in Engineering, 2012, 2012, 1-15.	0.6	27
2	Electrical Drive Radiated Emissions Estimation in Terms of Input Control Using Extreme Learning Machines. Mathematical Problems in Engineering, 2012, 2012, 1-11.	0.6	6
3	Receding Horizon Cache and Extreme Learning Machine based Reinforcement Learning. , 2012, , .		2
4	METAGENOMIC TAXONOMIC CLASSIFICATION USING EXTREME LEARNING MACHINES. Journal of Bioinformatics and Computational Biology, 2012, 10, 1250015.	0.3	27
5	A novel method to predict protein-protein interactions based on the information of protein sequence. , 2012, , .		7
6	Credit risk evaluation with extreme learning machine. , 2012, , .		7
7	Comparison of the Extreme Learning Machine with the BP Neural Network for Short-Term Prediction of Wind Power. Advanced Materials Research, 0, 608-609, 564-568.	0.3	3
8	Extreme Learning Machine based exposure fusion for displaying HDR scenes. , 2012, , .		1
9	Evaluating the Internationalization Success of Companies Through a Hybrid Grouping Harmony Search—Extreme Learning Machine Approach. IEEE Journal on Selected Topics in Signal Processing, 2012, 6, 388-398.	7.3	27
10	Robust Single-Hidden Layer Feedforward Network-Based Pattern Classifier. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1974-1986.	7.2	39
11	Proposal of asymmetric multi-classifier of arrhythmias. , 2012, , .		0
12	Brunnstrom stage automatic evaluation for stroke patients using extreme learning machine., 2012,,.		11
13	Use of kernel deep convex networks and end-to-end learning for spoken language understanding. , 2012, , .		67
14	An Intelligent Dynamic Security Assessment Framework for Power Systems With Wind Power. IEEE Transactions on Industrial Informatics, 2012, 8, 995-1003.	7.2	80
15	Efficient Digital Implementation of Extreme Learning Machines for Classification. IEEE Transactions on Circuits and Systems II: Express Briefs, 2012, 59, 496-500.	2.2	73
16	Performance evaluation of multilayer perceptrons for discriminating and quantifying multiple kinds of odors with an electronic nose. Neural Networks, 2012, 33, 204-215.	3.3	9
17	A new automatic target recognition system based on wavelet extreme learning machine. Expert Systems With Applications, 2012, 39, 12340-12348.	4.4	31
18	Extreme learning machines for intrusion detection. , 2012, , .		47

#	ARTICLE	IF	CITATIONS
19	Selective ensemble extreme learning machine modeling of effluent quality in wastewater treatment plants. International Journal of Automation and Computing, 2012, 9, 627-633.	4.5	25
20	Facial emotion recognition with expression energy. , 2012, , .		9
21	Extreme Learning Machines for Feature Selection and Classification of Cocaine Dependent Patients on Structural MRI Data. Neural Processing Letters, 2013, 38, 375-387.	2.0	27
22	An Extreme Learning Machine Algorithm to Predict the In-flight Particle Characteristics of an Atmospheric Plasma Spray Process. Plasma Chemistry and Plasma Processing, 2013, 33, 993-1023.	1.1	9
23	PCA-ELM: A Robust and Pruned Extreme Learning Machine Approach Based on Principal Component Analysis. Neural Processing Letters, 2013, 37, 377-392.	2.0	69
24	Sequential Projection-Based Metacognitive Learning in a Radial Basis Function Network for Classification Problems. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 194-206.	7.2	93
25	Shortâ€term load forecasting of Australian National Electricity Market by an ensemble model of extreme learning machine. IET Generation, Transmission and Distribution, 2013, 7, 391-397.	1.4	155
26	Weighted extreme learning machine for imbalance learning. Neurocomputing, 2013, 101, 229-242.	3.5	743
27	Fast Face Recognition Via Sparse Coding and Extreme Learning Machine. Cognitive Computation, 2014, 6, 264.	3.6	21
28	Prediction of protein-protein interactions from amino acid sequences with ensemble extreme learning machines and principal component analysis. BMC Bioinformatics, 2013, 14, S10.	1.2	232
29	Training extreme learning machine via regularized correntropy criterion. Neural Computing and Applications, 2013, 23, 1977-1986.	3.2	47
30	Minimum Class Variance Extreme Learning Machine for Human Action Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1968-1979.	5.6	91
31	Novel Range-Free Localization Based on Multidimensional Support Vector Regression Trained in the Primal Space. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1099-1113.	7.2	44
32	ELM-MapReduce: MapReduce accelerated extreme learning machine for big spatial data analysis., 2013,,.		11
33	A growing and pruning sequential learning algorithm of hyper basis function neural network for function approximation. Neural Networks, 2013, 46, 210-226.	3.3	57
34	Combination of activation functions in extreme learning machines for multivariate calibration. Chemometrics and Intelligent Laboratory Systems, 2013, 120, 53-58.	1.8	26
35	Multiclass classification machines with the complexity of a single binary classifier. Signal Processing, 2013, 93, 1013-1026.	2.1	23
36	S Transform based Extreme Learning Machine for Power System Disturbances Classification. Journal of the Institution of Engineers (India): Series B, 2013, 94, 179-191.	1.3	3

#	Article	IF	CITATIONS
37	Modelling of diesel engine performance using advanced machine learning methods under scarce and exponential data set. Applied Soft Computing Journal, 2013, 13, 4428-4441.	4.1	72
38	Neural networks for wind power generation forecasting: A case study. , 2013, , .		2
39	Person identification from actions based on Artificial Neural Networks. , 2013, , .		6
40	Automatic segmentation and classification of liver tumor in CT images using adaptive hybrid technique and Contourlet based ELM classifier. , 2013, , .		18
41	An accuracy adaptive breast tumor gene classification method. , 2013, , .		0
42	Kernel-based extreme learning machine for remote-sensing image classification. Remote Sensing Letters, 2013, 4, 853-862.	0.6	170
43	RBF-Based Technique for Statistical Demodulation of Pathological Tremor. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1565-1574.	7.2	17
44	Efficiency-Optimization Control of Extended Range Electric Vehicle Using Online Sequential Extreme Learning Machine. , 2013, , .		6
45	A Novel Adaptive-Weighted-Average Framework for Blood Glucose Prediction. Diabetes Technology and Therapeutics, 2013, 15, 792-801.	2.4	58
47	Incremental PSVM for underwater target classification with incorporation of new classes. , 2013, , .		O
48	Online sequential ELM based transfer learning for transportation mode recognition. , 2013, , .		28
49	Semi-blind Channel Estimation of MIMO-OFDM System Based on Extreme Learning Machine. , 2013, , .		2
50	A Meta-cognitive Interval Type-2 fuzzy inference system classifier and its projection based learning algorithm. , 2013, , .		24
51	Meta-cognitive q-Gaussian RBF network for binary classification: Application to mild cognitive impairment (MCI). , 2013, , .		10
52	Classification of MRI Images for Alzheimer's Disease Detection., 2013,,.		40
53	An ensemble incremental approach of Extreme Learning Machine (ELM) For paddy growth stages classification using MODIS remote sensing images. , 2013, , .		2
54	Music classification using extreme learning machines. , 2013, , .		14
55	Partitioned online sequential extreme learning machine for large ordered system modeling. Neurocomputing, 2013, 102, 59-64.	3.5	6

#	ARTICLE	IF	Citations
56	Extreme learning machine based wind speed estimation and sensorless control for wind turbine power generation system. Neurocomputing, 2013, 102, 163-175.	3.5	74
57	Unsupervised non-parametric kernel learning algorithm. Knowledge-Based Systems, 2013, 44, 1-9.	4.0	9
59	Circular-ELM for the reduced-reference assessment of perceived image quality. Neurocomputing, 2013, 102, 78-89.	3.5	66
60	EEG-based vigilance estimation using extreme learning machines. Neurocomputing, 2013, 102, 135-143.	3.5	166
61	Comments on the "No-Prop―algorithm. Neural Networks, 2013, 48, 59-60.	3.3	3
62	Scalable scene understanding using saliency-guided object localization. , 2013, , .		12
63	A fast iterative single data approach to training unconstrained least squares support vector machines. Neurocomputing, 2013, 115, 31-38.	3.5	7
64	A novel automatic two-stage locally regularized classifier construction method using the extreme learning machine. Neurocomputing, 2013, 102, 10-22.	3.5	5
65	Learning sparse representations for view-independent human action recognition based on fuzzy distances. Neurocomputing, 2013, 121, 344-353.	3.5	8
66	Dynamic action recognition based on dynemes and Extreme Learning Machine. Pattern Recognition Letters, 2013, 34, 1890-1898.	2.6	47
67	Kinesthetic teaching of visuomotor coordination for pointing by the humanoid robot iCub. Neurocomputing, 2013, 112, 179-188.	3.5	11
68	Dynamic Extreme Learning Machine and Its Approximation Capability. IEEE Transactions on Cybernetics, 2013, 43, 2054-2065.	6.2	63
69	Image classification based on effective extreme learning machine. Neurocomputing, 2013, 102, 90-97.	3.5	66
70	Very fast training neural-computation techniques for real measure-correlate-predict wind operations in wind farms. Journal of Wind Engineering and Industrial Aerodynamics, 2013, 116, 49-60.	1.7	28
71	Robust extreme learning machine. Neurocomputing, 2013, 102, 31-44.	3.5	132
72	Modeling and optimization of biodiesel engine performance using advanced machine learning methods. Energy, 2013, 55, 519-528.	4.5	104
73	Optimizing extreme learning machines via ridge regression and batch intrinsic plasticity. Neurocomputing, 2013, 102, 23-30.	3.5	40
74	Fuzzy extreme learning machine for classification. Electronics Letters, 2013, 49, 448-450.	0.5	47

#	Article	IF	Citations
75	An efficient illumination invariant face recognition framework via illumination enhancement and DD-DTWT filtering. Pattern Recognition, 2013, 46, 57-72.	5.1	76
76	Robust twin support vector machine for pattern classification. Pattern Recognition, 2013, 46, 305-316.	5.1	262
77	Liver tumor detection and segmentation using kernel-based extreme learning machine. , 2013, 2013, 3662-5.		33
78	Hierarchical Neural Network Modeling Approach to Predict Sludge Volume Index of Wastewater Treatment Process. IEEE Transactions on Control Systems Technology, 2013, 21, 2423-2431.	3.2	37
79	Extreme Learning Machines [Trends & Controversies]. IEEE Intelligent Systems, 2013, 28, 30-59.	4.0	329
80	Synergy between Extreme Learning Machine and Gaussian artificial immune system to train multilayer perceptrons. , 2013, , .		1
81	A Metacognitive Neuro-Fuzzy Inference System (McFIS) for Sequential Classification Problems. IEEE Transactions on Fuzzy Systems, 2013, 21, 1080-1095.	6.5	109
82	Illumination invariant human face recognition: frequency or resonance?. , 2013, , .		8
83	Prediction of protein-protein interactions from amino acid sequences using extreme learning machine combined with auto covariance descriptor. , 2013, , .		6
84	Unsupervised feature learning classification using an extreme learning machine. , 2013, , .		3
85	Online Modeling With Tunable RBF Network. IEEE Transactions on Cybernetics, 2013, 43, 935-947.	6.2	56
86	Evolving artificial neural networks for nonlinear feature construction. , 2013, , .		0
87	Application of Extreme Learning Machine in Transient Stability Assessment of Power Systems. Applied Mechanics and Materials, 0, 392, 544-547.	0.2	1
88	A Hybrid Short-Term Wind Speed Forecasting Model Based on Wavelet Decomposition and Extreme Learning Machine. Advanced Materials Research, 0, 860-863, 361-367.	0.3	2
89	COMBINATION OF HETEROGENEOUS EEG FEATURE EXTRACTION METHODS AND STACKED SEQUENTIAL LEARNING FOR SLEEP STAGE CLASSIFICATION. International Journal of Neural Systems, 2013, 23, 1350012.	3.2	58
90	Displacement prediction of landslide based on PSOGSA-ELM with mixed kernel. , 2013, , .		16
91	Pose-based 3D human motion analysis using Extreme Learning Machine. , 2013, , .		6
92	A systematic method to guide the choice of ridge parameter in ridge extreme learning machine. , 2013, , .		3

#	ARTICLE	IF	Citations
93	Power system transient stability assessment based on online sequential extreme learning machine. , $2013, \ldots$		4
94	A novel fusion approach based on induced ordered weighted averaging operators for chemometric data analysis. Journal of Chemometrics, 2013, 27, 447-456.	0.7	16
95	Ensembles of echo state networks for time series prediction. , 2013, , .		9
96	Hypoglycemia prediction using extreme learning machine (ELM) and regularized ELM., 2013,,.		17
97	A new approach of visual clutter analysis for pedestrian detection. , 2013, , .		2
98	Two-channel surface electromyography for individual and combined finger movements. , 2013, 2013, 4961-4.		21
99	A multiclass ELM strategy in pose-based 3D human motion analysis. , 2013, , .		1
100	An Extreme Learning Machine-based pedestrian detection method. , 2013, , .		19
101	DIESEL ENGINE MODELLING USING EXTREME LEARNING MACHINE UNDER SCARCE AND EXPONENTIAL DATA SETS. International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems, 2013, 21, 87-98.	0.9	7
102	Extreme Maximum Margin Clustering. IEICE Transactions on Information and Systems, 2013, E96.D, 1745-1753.	0.4	7
103	A lyapunov based stable online learning algorithm for nonlinear dynamical systems using extreme learning machines. , 2013, , .		9
104	Prediction of lateral load capacity of piles using extreme learning machine. International Journal of Geotechnical Engineering, 2013, 7, 388-394.	1.1	16
105	A Novel Approach for Lie Detection Based on F-Score and Extreme Learning Machine. PLoS ONE, 2013, 8, e64704.	1.1	48
106	Enhanced Performance by Time-Frequency-Phase Feature for EEG-Based BCI Systems. Scientific World Journal, The, 2014, 2014, 1-10.	0.8	5
107	An Improved Kernel Based Extreme Learning Machine for Robot Execution Failures. Scientific World Journal, The, 2014, 2014, 1-7.	0.8	17
108	Color Face Recognition Based on Steerable Pyramid Transform and Extreme Learning Machines. Scientific World Journal, The, 2014, 2014, 1-15.	0.8	11
109	Spectral-Spatial Classification of Hyperspectral Image Based on Kernel Extreme Learning Machine. Remote Sensing, 2014, 6, 5795-5814.	1.8	214
110	Segmentation and Classification of Optic Disc in Retinal Images. Research Journal of Applied Sciences, Engineering and Technology, 2014, 8, 1563-1571.	0.1	O

#	Article	IF	CITATIONS
111	Fast online learning algorithm for landmark recognition based on BoW framework. , 2014, , .		20
112	Extreme learning ANFIS for control applications. , 2014, , .		17
113	Efficient Framework for Palm Tree Detection in UAV Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4692-4703.	2.3	87
114	A framework of human emotion recognition using extreme learning machine. , 2014, , .		2
115	Polarimetric SAR image classification by Boosted Multiple-Kernel Extreme Learning Machines with polarimetric and spatial features. International Journal of Remote Sensing, 2014, 35, 7978-7990.	1.3	53
116	Feature selection, optimization and performance analysis of classifiers for biological images. , 2014, , .		3
117	A Two Stage Approach for Handwritten Malayalam Character Recognition. , 2014, , .		8
118	Comparison of Several Extreme Learning Machine Algorithm for Modeling Concrete Compressive Strength. Applied Mechanics and Materials, 0, 548-549, 1735-1738.	0.2	3
119	A Combined Algorithm Based on ELM-RBF and Genetic Algorithm. Advanced Materials Research, 2014, 1049-1050, 1292-1296.	0.3	0
120	Online Regularized and Kernelized Extreme Learning Machines with Forgetting Mechanism. Mathematical Problems in Engineering, 2014, 2014, 1-11.	0.6	10
121	Face Classification via a Novel Two-Dimensional Extreme Learning Machine. Communications in Computer and Information Science, 2014, , 566-570.	0.4	0
122	Cross-Modality 2D-3D Face Recognition via Multiview Smooth Discriminant Analysis Based on ELM. Journal of Electrical and Computer Engineering, 2014, 2014, 1-9.	0.6	10
123	Automatic Crack Detection and Classification Method for Subway Tunnel Safety Monitoring. Sensors, 2014, 14, 19307-19328.	2.1	215
124	Hybrid improved gravitional search algorithm and kernel based extreme learning machine method for classification problems. , 2014, , .		1
125	Modeling and Optimization for Piercing Efficiency and Energy Consumption Based on Mean Value Substaged KELM-PLS and GA Method. Mathematical Problems in Engineering, 2014, 2014, 1-12.	0.6	1
126	Radial Basis Function Neural Network Based on an Improved Exponential Decreasing Inertia Weight-Particle Swarm Optimization Algorithm for AQI Prediction. Abstract and Applied Analysis, 2014, 2014, 1-9.	0.3	13
127	Adaptive Control Using Fully Online Sequential-Extreme Learning Machine and a Case Study on Engine Air-Fuel Ratio Regulation. Mathematical Problems in Engineering, 2014, 2014, 1-11.	0.6	17
128	A Novel Estimation Algorithm Based on Data and Low-Order Models for Virtual Unmodeled Dynamics. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 2156-2166.	7.2	6

#	Article	IF	Citations
129	An Integrated Model for Robust Multisensor Data Fusion. Sensors, 2014, 14, 19669-19686.	2.1	17
130	Large-Scale Protein-Protein Interactions Detection by Integrating Big Biosensing Data with Computational Model. BioMed Research International, 2014, 2014, 1-9.	0.9	51
131	Quality Prediction and Control of Reducing Pipe Based on EOS-ELM-RPLS Mathematics Modeling Method. Journal of Applied Mathematics, 2014, 2014, 1-13.	0.4	1
132	Vocal and Facial Biomarkers of Depression based on Motor Incoordination and Timing. , 2014, , .		127
133	A neuromorphic categorization system with Online Sequential Extreme Learning. , 2014, , .		0
134	ELMDF: A new classification algorithm based on Data Field. , 2014, , .		0
135	Prediction of FEV <sub>1</sub> and FEV <sub>6</sub> in normal and obstructive abnormality using ELM regression and spirometric investigations. , 2014, , .		1
136	Robust incremental extreme learning machine. , 2014, , .		2
137	Importance of Extreme Learning Machine in the field of Query classification: A novel approach. , 2014, , .		1
138	A Further Investigation on the Reliability of Extreme Learning Machines. , 2014, , .		0
139	A hybrid approach of PTSVM and ELM inspired by samples' geometric distribution structure. , 2014, , .		0
140	A fast learning algorithm for multi-layer extreme learning machine. , 2014, , .		16
141	Extreme learning machine-based functional link network., 2014,,.		0
142	Ensemble CCA for Continuous Emotion Prediction. , 2014, , .		56
143	Test Generation Algorithm for Fault Detection of Analog Circuits Based on Extreme Learning Machine. Computational Intelligence and Neuroscience, 2014, 2014, 1-11.	1.1	8
144	A hybrid edge detection model of extreme learning machine and cellular automata. , 2014, , .		0
145	Continuous Mapping of Personality Traits. , 2014, , .		8
146	A novel method for traffic sign recognition based on extreme learning machine. , 2014, , .		6

#	Article	IF	CITATIONS
147	Extreme learning machine with dead zone and its application to WiFi based indoor positioning. , 2014, , .		3
148	Swarm-wavelet based extreme learning machine for finger movement classification on transradial amputees., 2014, 2014, 4192-5.		5
149	Wavelength Detection in Spectrally Overlapped FBG Sensor Network Using Extreme Learning Machine. IEEE Photonics Technology Letters, 2014, 26, 2031-2034.	1.3	30
150	A novel extreme learning machine for hypoglycemia detection. , 2014, 2014, 302-5.		7
151	Classifying Lung Cancer Knowledge in PubMed According to GO Terms Using Extreme Learning Machine. International Journal of Intelligent Systems, 2014, 29, 1047-1059.	3.3	2
152	Constraint Online Sequential Extreme Learning Machine for lifelong indoor localization system. , 2014, , .		13
153	Using extreme learning machine for intrusion detection in a big data environment. , 2014, , .		23
154	An automatic approach for palm tree counting in UAV images. , 2014, , .		18
155	Extreme learning machine with initialized hidden weight. , 2014, , .		3
156	Cost-Sensitive AdaBoost Algorithm for Ordinal Regression Based on Extreme Learning Machine. IEEE Transactions on Cybernetics, 2014, 44, 1898-1909.	6.2	62
157	Performance of combined artificial neural networks for forecasting landslide displacement., 2014, , .		4
159	Hierarchical Extreme Learning Machine-Polynomial Based Low Valued Capacitance Measurement Using Frequency Synthesizer–Vector Voltmeter. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 2180-2187.	2.4	4
160	3D Shape Segmentation and Labeling via Extreme Learning Machine. Computer Graphics Forum, 2014, 33, 85-95.	1.8	76
161	Minimum Variance Extreme Learning Machine for human action recognition. , 2014, , .		21
162	Bicyclist detection in large scale naturalistic driving video., 2014,,.		6
163	A new multi-task learning based Wi-Fi location approach using L <inf>1/2</inf> -norm. , 2014, , .		0
164	Effective feature selection for image steganalysis using extreme learning machine. Journal of Electronic Imaging, 2014, 23, 063020.	0.5	1
165	An improved self-localization algorithm for Ad hoc network based on extreme learning machine. , 2014, , .		5

#	Article	IF	CITATIONS
166	Modeling and Optimization of NOX Emission in a Coal-fired Power Plant using Advanced Machine Learning Methods. Energy Procedia, 2014, 61, 377-380.	1.8	18
167	Optimization-Based Extreme Learning Machine with Multi-kernel Learning Approach for Classification. , 2014, , .		9
168	Linear dynamic system method for tactile object classification. Science China Information Sciences, 2014, 57, 1-11.	2.7	10
169	Recognition Model Based Feature Extraction and Kernel Extreme Learning Machine for High Dimensional Data. Advanced Materials Research, 0, 875-877, 2020-2024.	0.3	12
170	An intelligent embedded system for real-time adaptive extreme learning machine. , 2014, , .		6
171	Incorporate Extreme Learning Machine to content-based image retrieval with relevance feedback. , 2014, , .		2
172	Optimization-based multikernel extreme learning for multimodal object image classification. , 2014, , .		4
173	Prediction of concrete strength based on self-organizing fuzzy neural network. , 2014, , .		0
174	Channel Equalization of MIMO-OFDM System Based on Extreme Learning Machine. Applied Mechanics and Materials, 0, 536-537, 1751-1757.	0.2	1
175	Research on Adaptive Face Gender Recognition Based on Compressive Sensing. Advanced Materials Research, 0, 989-994, 4187-4190.	0.3	1
176	ELMOEA/D-DE: Extreme Learning Surrogate Models in Multi-objective Optimization Based on Decomposition and Differential Evolution. , 2014, , .		15
177	On Improving the Classification Capability of Reservoir Computing for Arabic Speech Recognition. Lecture Notes in Computer Science, 2014, , 225-232.	1.0	17
178	Condensed Nearest Neighbor Decision Rule Input Weight Sequential Feed-Forward Neural Networks. Applied Mechanics and Materials, 0, 574, 712-717.	0.2	1
179	Facial Expression Recognition Based on Discriminant Neighborhood Preserving Nonnegative Tensor Factorization and ELM. Mathematical Problems in Engineering, 2014, 2014, 1-10.	0.6	3
180	An Efficient Diagnosis System for Parkinson's Disease Using Kernel-Based Extreme Learning Machine with Subtractive Clustering Features Weighting Approach. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-14.	0.7	50
181	Risk Stratification with Extreme Learning Machine: A Retrospective Study on Emergency Department Patients. Mathematical Problems in Engineering, 2014, 2014, 1-6.	0.6	3
182	Protein Sequence Classification with Improved Extreme Learning Machine Algorithms. BioMed Research International, 2014, 2014, 1-12.	0.9	66
183	A Novel Improved ELM Algorithm for a Real Industrial Application. Mathematical Problems in Engineering, 2014, 2014, 1-7.	0.6	11

#	Article	IF	Citations
184	Evolutionary Voting-Based Extreme Learning Machines. Mathematical Problems in Engineering, 2014, 2014, 1-7.	0.6	5
185	Soft-sensor for Mother Liquor Purity in The Industrial Cane Sugar Crystallization Based on Extreme Learning Machine and Particle Swarm Optimization. International Journal of Control and Automation, 2014, 7, .	0.3	O
186	Semi-supervised Classification of Human Actions Based on Neural Networks. , 2014, , .		13
187	Extreme learning machine based traffic sign detection. , 2014, , .		4
188	A Hybrid Approach for Probabilistic Forecasting of Electricity Price. IEEE Transactions on Smart Grid, 2014, 5, 463-470.	6.2	182
189	Support vector regression in sum space for multivariate calibration. Chemometrics and Intelligent Laboratory Systems, 2014, 130, 14-19.	1.8	10
190	Parallelized extreme learning machine ensemble based on min–max modular network. Neurocomputing, 2014, 128, 31-41.	3.5	24
191	Cross-person activity recognition using reduced kernel extreme learning machine. Neural Networks, 2014, 53, 1-7.	3.3	165
192	Vehicle detection in driving simulation using extreme learning machine. Neurocomputing, 2014, 128, 160-165.	3.5	40
193	Neural modeling of vapor compression refrigeration cycle with extreme learning machine. Neurocomputing, 2014, 128, 242-248.	3.5	9
194	Adaptive filtering of EEG/ERP through Bounded Range Artificial Bee Colony (BR-ABC) algorithm., 2014, 25, 164-172.		57
195	Least learning machine and its experimental studies on regression capability. Applied Soft Computing Journal, 2014, 21, 677-684.	4.1	32
196	Online ship roll motion prediction based on grey sequential extreme learning machine. Neurocomputing, 2014, 129, 168-174.	3.5	50
197	Clustering in extreme learning machine feature space. Neurocomputing, 2014, 128, 88-95.	3.5	91
198	Extreme learning machine towards dynamic model hypothesis in fish ethology research. Neurocomputing, 2014, 128, 273-284.	3.5	51
199	Predicting pupylation sites in prokaryotic proteins using pseudo-amino acid composition and extreme learning machine. Neurocomputing, 2014, 128, 267-272.	3.5	13
200	A hybrid approach combining extreme learning machine and sparse representation for image classification. Engineering Applications of Artificial Intelligence, 2014, 27, 228-235.	4.3	74
201	Learning to Rank with Extreme Learning Machine. Neural Processing Letters, 2014, 39, 155-166.	2.0	32

#	Article	IF	CITATIONS
202	Hierarchical extreme learning machine for feedforward neural network. Neurocomputing, 2014, 128, 128-135.	3.5	34
203	Performance enhancement of extreme learning machine for power system disturbances classification. Soft Computing, 2014, 18, 239-253.	2.1	4
204	Uncertainty evaluation and model selection of extreme learning machine based on Riemannian metric. Neural Computing and Applications, 2014, 24, 1613-1625.	3.2	8
205	ELM â^— : distributed extreme learning machine with MapReduce. World Wide Web, 2014, 17, 1189-120	) <b>4</b> 7	55
206	Towards the development of a wearable feedback system for monitoring the activities of the upper-extremities. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 2.	2.4	97
207	Multitask Extreme Learning Machine for Visual Tracking. Cognitive Computation, 2014, 6, 391-404.	3.6	13
208	Extreme learning machine and its applications. Neural Computing and Applications, 2014, 25, 549-556.	3.2	201
209	A Stock Decision Support System Based on ELM. Adaptation, Learning, and Optimization, 2014, , 67-79.	0.5	4
210	Application of BW-ELM model on traffic sign recognition. Neurocomputing, 2014, 128, 153-159.	3.5	52
211	An Insight into Extreme Learning Machines: Random Neurons, Random Features and Kernels. Cognitive Computation, 2014, 6, 376-390.	3.6	822
212	Counting Pedestrian with Mixed Features and Extreme Learning Machine. Cognitive Computation, 2014, 6, 462-476.	3.6	17
213	Rotor crack identification based on neural networks and modal data. Meccanica, 2014, 49, 305-324.	1.2	13
214	Boosting weighted ELM for imbalanced learning. Neurocomputing, 2014, 128, 15-21.	3.5	122
215	An extreme learning machine approach for slope stability evaluation and prediction. Natural Hazards, 2014, 73, 787-804.	1.6	81
216	Extreme learning machine for ranking: Generalization analysis and applications. Neural Networks, 2014, 53, 119-126.	3.3	55
217	Stochastic Electronics: A Neuro-Inspired Design Paradigm for Integrated Circuits. Proceedings of the IEEE, 2014, 102, 843-859.	16.4	59
218	A multi-output two-stage locally regularized model construction method using the extreme learning machine. Neurocomputing, 2014, 128, 104-112.	3.5	9
219	Review and performance comparison of SVM- and ELM-based classifiers. Neurocomputing, 2014, 128, 507-516.	3.5	169

#	ARTICLE	IF	CITATIONS
220	Probabilistic Forecasting of Wind Power Generation Using Extreme Learning Machine. IEEE Transactions on Power Systems, 2014, 29, 1033-1044.	4.6	575
221	Optimal Prediction Intervals of Wind Power Generation. IEEE Transactions on Power Systems, 2014, 29, 1166-1174.	4.6	269
222	Fast Image Recognition Based on Independent Component Analysis and Extreme Learning Machine. Cognitive Computation, 2014, 6, 405-422.	3.6	17
223	Identification of nonlinear system using extreme learning machine based Hammerstein model. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 3171-3183.	1.7	42
224	Quantifying the reliability of fault classifiers. Information Sciences, 2014, 266, 65-74.	4.0	8
225	A novel particle swarm optimization trained support vector machine for automatic sense-through-foliage target recognition system. Knowledge-Based Systems, 2014, 65, 50-59.	4.0	25
226	A novel ELM based adaptive Kalman filter tracking algorithm. Neurocomputing, 2014, 128, 42-49.	3.5	20
227	Breast tumor detection in digital mammography based on extreme learning machine. Neurocomputing, 2014, 128, 175-184.	3.5	107
228	Robust Model Predictive Control of Nonlinear Systems With Unmodeled Dynamics and Bounded Uncertainties Based on Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 457-469.	7.2	121
229	Exploring ELM-based spatial–spectral classification of hyperspectral images. International Journal of Remote Sensing, 2014, 35, 401-423.	1.3	51
230	A fast and effective Extreme learning machine algorithm without tuning. , 2014, , .		3
231	Effectiveness of various classification techniques on human face recognition. , 2014, , .		2
232	Control an exoskeleton for forearm rotation using FMG. , 2014, , .		19
233	Ordinal Neural Networks Without Iterative Tuning. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 2075-2085.	7.2	33
234	Learning Harmonium Models With Infinite Latent Features. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 520-532.	7.2	4
235	Discriminative BoW Framework for Mobile Landmark Recognition. IEEE Transactions on Cybernetics, 2014, 44, 695-706.	6.2	31
236	Projection-Based Ensemble Learning for Ordinal Regression. IEEE Transactions on Cybernetics, 2014, 44, 681-694.	6.2	41
237	Multivariate time series prediction based on multiple kernel extreme learning machine., 2014,,.		11

#	Article	IF	CITATIONS
238	Short-term micro-grid load forecast method based on EMD-KELM-EKF. , 2014, , .		5
239	Extreme Support Vector Regression. Adaptation, Learning, and Optimization, 2014, , 25-34.	0.5	5
240	Parsimonious Extreme Learning Machine Using Recursive Orthogonal Least Squares. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1828-1841.	7.2	104
241	Swarm-based extreme learning machine for finger movement recognition., 2014, , .		2
242	An optical flow feature and McFIS based approach for 3-dimensional human action recognition. , 2014, , .		2
243	A Tensor-Based Pattern-Recognition Framework for the Interpretation of Touch Modality in Artificial Skin Systems. IEEE Sensors Journal, 2014, 14, 2216-2225.	2.4	32
244	Sparse Bayesian Extreme Learning Machine for Multi-classification. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 836-843.	7.2	161
245	A study on residence error of training an extreme learning machine and its application to evolutionary algorithms. Neurocomputing, 2014, 146, 75-82.	3.5	17
246	b-COELM: A fast, lightweight and accurate activity recognition model for mini-wearable devices. Pervasive and Mobile Computing, 2014, 15, 200-214.	2.1	22
247	A self adaptive differential harmony search based optimized extreme learning machine for financial time series prediction. Swarm and Evolutionary Computation, 2014, 19, 25-42.	4.5	77
248	Learning machines: Rationale and application in ground-level ozone prediction. Applied Soft Computing Journal, 2014, 24, 135-141.	4.1	24
249	Feature selection in wind speed prediction systems based on a hybrid coral reefs optimization – Extreme learning machine approach. Energy Conversion and Management, 2014, 87, 10-18.	4.4	143
250	Robust activation function and its application: Semi-supervised kernel extreme learning method. Neurocomputing, 2014, 144, 318-328.	3.5	33
251	Comparison of extreme-ANFIS and ANFIS networks for regression problems. , 2014, , .		14
252	Discriminant Bag of Words based representation for human action recognition. Pattern Recognition Letters, 2014, 49, 185-192.	2.6	68
253	Efficient Dual Approach to Distance Metric Learning. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 394-406.	7.2	32
254	Extreme Learning Machine Based Modeling of Resilient Modulus of Subgrade Soils. Geotechnical and Geological Engineering, 2014, 32, 287-296.	0.8	24
255	Predicting minority class for suspended particulate matters level by extreme learning machine. Neurocomputing, 2014, 128, 136-144.	3.5	51

#	Article	IF	CITATIONS
256	Comparing the learning effectiveness of BP, ELM, I-ELM, and SVM for corporate credit ratings. Neurocomputing, 2014, 128, 285-295.	3.5	104
257	Extreme learning machine for classification over uncertain data. Neurocomputing, 2014, 128, 500-506.	3.5	26
258	Daily global solar radiation prediction based on a hybrid Coral Reefs Optimization – Extreme Learning Machine approach. Solar Energy, 2014, 105, 91-98.	2.9	156
259	T2FELA: Type-2 Fuzzy Extreme Learning Algorithm for Fast Training of Interval Type-2 TSK Fuzzy Logic System. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 664-676.	7.2	62
260	Ordinal regression neural networks based on concentric hyperspheres. Neural Networks, 2014, 59, 51-60.	3.3	24
261	Automatic segmentation of hippocampal subfields based on multi-atlas image segmentation techniques. Journal of Electronics, 2014, 31, 121-128.	0.2	0
262	A meta-cognitive interval type-2 fuzzy inference system and its projection based learning algorithm. Evolving Systems, 2014, 5, 219-230.	2.4	61
263	A Two-Stage Methodology Using K-NN and False-Positive Minimizing ELM for Nominal Data Classification. Cognitive Computation, 2014, 6, 432-445.	3.6	32
264	Feature Component-Based Extreme Learning Machines for Finger Vein Recognition. Cognitive Computation, 2014, 6, 446-461.	3.6	37
265	Sparse Extreme Learning Machine for Classification. IEEE Transactions on Cybernetics, 2014, 44, 1858-1870.	6.2	196
266	Online sequential extreme learning machine with kernels for nonstationary time series prediction. Neurocomputing, 2014, 145, 90-97.	3.5	175
267	Semi-Supervised and Unsupervised Extreme Learning Machines. IEEE Transactions on Cybernetics, 2014, 44, 2405-2417.	6.2	644
268	Differential Evolution Extreme Learning Machine for the Classification of Hyperspectral Images. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1066-1070.	1.4	126
269	Multi-label classification with extreme learning machine. , 2014, , .		10
270	2-D defect profile reconstruction from ultrasonic guided wave signals based on QGA-kernelized ELM. Neurocomputing, 2014, 128, 217-223.	3.5	51
271	Hybrid extreme rotation forest. Neural Networks, 2014, 52, 33-42.	3.3	30
272	Direct Kernel Perceptron (DKP): Ultra-fast kernel ELM-based classification with non-iterative closed-form weight calculation. Neural Networks, 2014, 50, 60-71.	3.3	53
273	1-Norm extreme learning machine for regression and multiclass classification using Newton method. Neurocomputing, 2014, 128, 4-14.	3.5	53

#	ARTICLE	IF	CITATIONS
274	A novel forward gene selection algorithm for microarray data. Neurocomputing, 2014, 133, 446-458.	3.5	29
275	Nearest convex hull classification by using Lotka–Volterra recurrent neural networks. Neurocomputing, 2014, 138, 157-166.	3.5	2
276	Double parallel feedforward neural network based on extreme learning machine with L1/2 regularizer. Neurocomputing, 2014, 128, 113-118.	3.5	9
277	Time-series processing of large scale remote sensing data with extreme learning machine. Neurocomputing, 2014, 128, 199-206.	3.5	10
278	Ensemble delta test-extreme learning machine (DT-ELM) for regression. Neurocomputing, 2014, 129, 153-158.	3.5	30
279	Fast sparse approximation of extreme learning machine. Neurocomputing, 2014, 128, 96-103.	3.5	21
280	Meta-ELM: ELM with ELM hidden nodes. Neurocomputing, 2014, 128, 81-87.	3.5	34
281	Comparison of different approaches to visual terrain classification for outdoor mobile robots. Pattern Recognition Letters, 2014, 38, 54-62.	2.6	26
282	GA-SELM: Greedy algorithms for sparse extreme learning machine. Measurement: Journal of the International Measurement Confederation, 2014, 55, 126-132.	2.5	31
283	Endpoint prediction model for basic oxygen furnace steel-making based on membrane algorithm evolving extreme learning machine. Applied Soft Computing Journal, 2014, 19, 430-437.	4.1	55
284	Towards limb position invariant myoelectric pattern recognition using time-dependent spectral features. Neural Networks, 2014, 55, 42-58.	3.3	153
285	Real-time fault diagnosis for gas turbine generator systems using extreme learning machine. Neurocomputing, 2014, 128, 249-257.	3.5	128
286	Regularized extreme learning machine for multi-view semi-supervised action recognition. Neurocomputing, 2014, 145, 250-262.	3.5	102
287	Sentic patterns: Dependency-based rules for concept-level sentiment analysis. Knowledge-Based Systems, 2014, 69, 45-63.	4.0	273
288	Complex extreme learning machine applications in terahertz pulsed signals feature sets. Computer Methods and Programs in Biomedicine, 2014, 117, 387-403.	2.6	10
289	A hybrid forecasting model with parameter optimization for short-term load forecasting of micro-grids. Applied Energy, 2014, 129, 336-345.	5.1	186
290	Empowering difficult classes with a similarity-based aggregation in multi-class classification problems. Information Sciences, 2014, 264, 135-157.	4.0	34
291	A Meta-Cognitive Learning Algorithm for an Extreme Learning Machine Classifier. Cognitive Computation, 2014, 6, 253-263.	3.6	68

#	Article	IF	CITATIONS
292	Multifault Diagnosis for Rolling Element Bearings Based on Intrinsic Mode Permutation Entropy and Ensemble Optimal Extreme Learning Machine. Advances in Mechanical Engineering, 2014, 6, 803919.	0.8	16
293	A Taylor Based Localization Algorithm for Wireless Sensor Network Using Extreme Learning Machine. IEICE Transactions on Information and Systems, 2014, E97.D, 2652-2659.	0.4	10
294	Extreme learning machine based fault diagnosis of power transformer using IEC TC10 and its related data. , 2015, , .		12
295	A new islanding detection and classification technique for the grid connected DFIG wind farms. , 2015, , .		3
296	Integer Data Zero-Watermark Assisted System Calls Abstraction and Normalization for Host Based Anomaly Detection Systems. , 2015, , .		10
297	Contrasting and Combining Least Squares Based Learners for Emotion Recognition in the Wild. , 2015, , .		45
298	An adaptive extreme learning machine algorithm and its application on face recognition. International Journal of Computing Science and Mathematics, 2015, 6, 611.	0.2	3
299	Online deep intelligence for Wi-Fi indoor localization. , 2015, , .		2
300	Texture and color feature based WLS framework aided skin cancer classification using MSVM and ELM. , $2015,  ,  .$		17
301	Short-term electric load forecasting using Extreme Learning Machine - a case study of Indian power market. , 2015, , .		9
302	Continuous prediction of shoulder joint angle in real-time. , 2015, , .		0
303	A hybrid functional link extreme learning machine for Maximum Power Point Tracking of partially shaded Photovoltaic array. , 2015, , .		2
304	Using ELM Techniques to Predict Data Centre VM Requests. , 2015, , .		19
305	An Extreme Learning Machine (ELM) Predictor for Electric Arc Furnaces' v-i Characteristics. , 2015, , .		5
306	Active Learning Based on Single-Hidden Layer Feed-Forward Neural Network., 2015,,.		2
307	A comparative study of radial basis function network with different basis functions for stock trend prediction. , 2015, , .		11
308	A modified projection based learning algorithm for a meta-cognitive radial basis function classifier. , 2015, , .		0
309	Improving performance of classification intrusion detection model by Weighted extreme learning using behavior analysis of the attack. , $2015$ , , .		4

#	Article	IF	Citations
310	Prediction of Hidden Dangers in Mine Production Using Timeliness Managing Extreme Learning Machine for Cloud Services. , $2015$ , , .		0
311	An effective hybrid approach of gene selection and classification for microarray data based on clustering and particle swarm optimisation. International Journal of Data Mining and Bioinformatics, 2015, 13, 103.	0.1	6
312	TaxiRec. , 2015, , .		16
313	Generic Object Recognition with Local Receptive Fields Based Extreme Learning Machine. Procedia Computer Science, 2015, 53, 391-399.	1.2	22
314	Stock price index movement classification using a CEFLANN with extreme learning machine. , 2015, , .		8
315	A novel extreme learning machine for dimensionality reduction on finger movement classification using sEMG., 2015,,.		16
316	A trigonometric Functional link single layer Neural Network approach for non linear dynamic plant identification using second order Levenberg-Marquardt Algorithm. , 2015, , .		0
317	Improving ESVM with Generalized Cross-Validation. , 2015, , .		1
318	Keystroke user recognition through extreme learning machine and evolving cluster method. , 2015, , .		4
319	Recognizing Arabic Handwritten Script using Support Vector Machine classifier. , 2015, , .		14
320	Local path planning based on Ridge Regression Extreme Learning Machines for an outdoor robot. , 2015, , .		3
321	Regularized minimum class variance extreme learning machine for language recognition. Eurasip Journal on Audio, Speech, and Music Processing, 2015, 2015, .	1.3	8
322	Hyperspectral image classification using Gradient Local Auto-Correlations. , 2015, , .		8
323	Target following for an autonomous underwater vehicle using regularized ELM-based reinforcement learning. , 2015, , .		2
324	Auto associative Extreme Learning Machine based non-linear principal component regression for big data applications. , $2015, \ldots$		5
325	Study on GA-based Training Algorithm for Extreme Learning Machine. , 2015, , .		7
326	Action recognition using completed local binary patterns and multiple-class boosting classifier. , 2015, , .		6
327	Velocity Inversion for Sandstone Reservoir Based on Extreme Learning Machine Neural Network. , 2015, , .		0

#	Article	IF	CITATIONS
328	Intrusion Detection Using Deep Belief Network and Extreme Learning Machine. International Journal of Monitoring and Surveillance Technologies Research, 2015, 3, 35-56.	0.3	19
329	Real-Time and Accurate Indoor Localization with Fusion Model of Wi-Fi Fingerprint and Motion Particle Filter. Mathematical Problems in Engineering, 2015, 2015, 1-13.	0.6	5
330	Data-Driven Dynamic Modeling for Prediction of Molten Iron Silicon Content Using ELM with Self-Feedback. Mathematical Problems in Engineering, 2015, 2015, 1-11.	0.6	10
331	Classification of imbalanced bioinformatics data by using boundary movement-based ELM. Bio-Medical Materials and Engineering, 2015, 26, S1855-S1862.	0.4	2
332	Advancing of Land Surface Temperature Retrieval Using Extreme Learning Machine and Spatio-Temporal Adaptive Data Fusion Algorithm. Remote Sensing, 2015, 7, 4424-4441.	1.8	44
333	Belief Function Based Decision Fusion for Decentralized Target Classification in Wireless Sensor Networks. Sensors, 2015, 15, 20524-20540.	2.1	36
334	Visual Tracking Based on Extreme Learning Machine and Sparse Representation. Sensors, 2015, 15, 26877-26905.	2.1	16
335	Spontaneous Up states in vitro: a single-metric index of the functional maturation and regional differentiation of the cerebral cortex. Frontiers in Neural Circuits, 2015, 9, 59.	1.4	19
336	One-Class Classification with Extreme Learning Machine. Mathematical Problems in Engineering, 2015, 2015, 1-11.	0.6	90
337	Particle Swarm Optimization Based Feature Enhancement and Feature Selection for Improved Emotion Recognition in Speech and Glottal Signals. PLoS ONE, 2015, 10, e0120344.	1.1	22
338	Rule Extraction Based on Extreme Learning Machine and an Improved Ant-Miner Algorithm for Transient Stability Assessment. PLoS ONE, 2015, 10, e0130814.	1.1	11
339	Fast, Simple and Accurate Handwritten Digit Classification by Training Shallow Neural Network Classifiers with the †Extreme Learning Machine†Malgorithm. PLoS ONE, 2015, 10, e0134254.	1.1	59
340	Improved Neural Networks with Random Weights for Short-Term Load Forecasting. PLoS ONE, 2015, 10, e0143175.	1.1	8
341	Extreme Learning Machines on High Dimensional and Large Data Applications: A Survey. Mathematical Problems in Engineering, 2015, 2015, 1-13.	0.6	55
342	Stream-Based Extreme Learning Machine Approach for Big Data Problems. Mathematical Problems in Engineering, 2015, 2015, 1-17.	0.6	4
343	Sample-Based Extreme Learning Machine with Missing Data. Mathematical Problems in Engineering, 2015, 2015, 1-11.	0.6	9
344	Distributed Learning over Massive XML Documents in ELM Feature Space. Mathematical Problems in Engineering, 2015, 2015, 1-13.	0.6	2
345	A Robust AdaBoost.RT Based Ensemble Extreme Learning Machine. Mathematical Problems in Engineering, 2015, 2015, 1-12.	0.6	13

#	Article	IF	CITATIONS
346	Distance Based Multiple Kernel ELM: A Fast Multiple Kernel Learning Approach. Mathematical Problems in Engineering, 2015, 2015, 1-9.	0.6	9
347	Modeling, Prediction, and Control of Heating Temperature for Tube Billet. Mathematical Problems in Engineering, 2015, 2015, 1-10.	0.6	4
348	Daily Human Physical Activity Recognition Based on Kernel Discriminant Analysis and Extreme Learning Machine. Mathematical Problems in Engineering, 2015, 2015, 1-8.	0.6	14
349	Multifeature Extreme Ordinal Ranking Machine for Facial Age Estimation. Mathematical Problems in Engineering, 2015, 2015, 1-9.	0.6	1
350	Deep Extreme Learning Machine and Its Application in EEG Classification. Mathematical Problems in Engineering, 2015, 2015, 1-11.	0.6	95
351	Extreme Learning Machine for Reservoir Parameter Estimation in Heterogeneous Sandstone Reservoir. Mathematical Problems in Engineering, 2015, 2015, 1-10.	0.6	14
352	Enhancement of ELM by Clustering Discrimination Manifold Regularization and Multiobjective FOA for Semisupervised Classification. Computational Intelligence and Neuroscience, 2015, 2015, 1-9.	1.1	8
353	Weibo Information Propagation Dissemination Based on User Behavior Using ELM. Mathematical Problems in Engineering, 2015, 2015, 1-11.	0.6	4
354	Improving ELM-Based Service Quality Prediction by Concise Feature Extraction. Mathematical Problems in Engineering, 2015, 2015, 1-15.	0.6	0
355	Optimized Extreme Learning Machine for Power System Transient Stability Prediction Using Synchrophasors. Mathematical Problems in Engineering, 2015, 2015, 1-8.	0.6	46
356	A Novel Clinical Decision Support System Using Improved Adaptive Genetic Algorithm for the Assessment of Fetal Well-Being. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-11.	0.7	27
357	Improved Emotion Recognition Using Gaussian Mixture Model and Extreme Learning Machine in Speech and Glottal Signals. Mathematical Problems in Engineering, 2015, 2015, 1-13.	0.6	43
358	A Framework for Final Drive Simultaneous Failure Diagnosis Based on Fuzzy Entropy and Sparse Bayesian Extreme Learning Machine. Computational Intelligence and Neuroscience, 2015, 2015, 1-11.	1.1	4
359	Pressure Prediction of Coal Slurry Transportation Pipeline Based on Particle Swarm Optimization Kernel Function Extreme Learning Machine. Mathematical Problems in Engineering, 2015, 2015, 1-7.	0.6	1
360	Detecting Copy Directions among Programs Using Extreme Learning Machines. Mathematical Problems in Engineering, 2015, 2015, 1-15.	0.6	1
361	Two-Dimensional Extreme Learning Machine. Mathematical Problems in Engineering, 2015, 2015, 1-8.	0.6	8
362	Multiclass AdaBoost ELM and Its Application in LBP Based Face Recognition. Mathematical Problems in Engineering, 2015, 2015, 1-9.	0.6	8
363	Online Sequential Prediction for Nonstationary Time Series with New Weight-Setting Strategy Using Extreme Learning Machine. Mathematical Problems in Engineering, 2015, 2015, 1-13.	0.6	0

#	Article	IF	CITATIONS
364	Dynamic Adjustment of Hidden Node Parameters for Extreme Learning Machine. IEEE Transactions on Cybernetics, 2015, 45, 279-288.	6.2	44
365	AL-ELM: One uncertainty-based active learning algorithm using extreme learning machine. Neurocomputing, 2015, 166, 140-150.	3.5	38
366	What are Extreme Learning Machines? Filling the Gap Between Frank Rosenblatt's Dream and John von Neumann's Puzzle. Cognitive Computation, 2015, 7, 263-278.	3.6	386
367	Effect of feature fusion for discrimination of cardiac pathology. , 2015, , .		1
368	Extreme learning machine based supervised subspace learning. Neurocomputing, 2015, 167, 158-164.	3.5	17
369	Estimation of solar global irradiation in remote areas. Journal of Renewable and Sustainable Energy, 2015, 7, 023136.	0.8	14
371	A Truly Online Learning Algorithm using Hybrid Fuzzy ARTMAP and Online Extreme Learning Machine for Pattern Classification. Neural Processing Letters, 2015, 42, 585-602.	2.0	24
372	Convergence Analysis of a New Self Organizing Map Based Optimization (SOMO) Algorithm. Cognitive Computation, 2015, 7, 477-486.	3.6	3
373	Detecting spammers on social networks. Neurocomputing, 2015, 159, 27-34.	3.5	186
374	A new method for constructing granular neural networks based on rule extraction and extreme learning machine. Pattern Recognition Letters, 2015, 67, 138-144.	2.6	9
375	OMP-ELM: Orthogonal Matching Pursuit-Based Extreme Learning Machine for Regression. Journal of Intelligent Systems, 2015, 24, 135-143.	1.2	12
376	A novel extreme learning machine using privileged information. Neurocomputing, 2015, 168, 823-828.	3.5	14
377	Four wind speed multi-step forecasting models using extreme learning machines and signal decomposing algorithms. Energy Conversion and Management, 2015, 100, 16-22.	4.4	120
378	The MC-ELM: Learning an ELM-like network with minimum VC dimension. , 2015, , .		4
379	Empirical mode decomposition based on the kernel extreme learning machine and its application in the spectrum denoising. , $2015, \ldots$		0
380	Fault diagnosis of suck rod pumping system via extreme learning machines. , 2015, , .		8
381	Online Modeling for Combined Cement Grinding System via Extreme Learning Machine. , 2015, , .		3
382	Compressed representation learning for fluid field reconstruction from sparse sensor observations. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
383	External Fault Classification Experienced by Three-Phase Induction Motor Based on Multi-Class ELM. Procedia Computer Science, 2015, 70, 814-820.	1.2	20
384	Shape object classification using echoes inside a virtual environment application., 2015,,.		2
385	Regularized Weighted Circular Complex-Valued Extreme Learning Machine for Imbalanced Learning. IEEE Access, 2015, 3, 3048-3057.	2.6	27
386	Enhanced image classification with a fast-learning shallow convolutional neural network., 2015,,.		58
387	Merging linear discriminant analysis with Bag of Words model for human action recognition. , $2015, \ldots$		3
388	Lattice point sets for efficient kernel smoothing models. , 2015, , .		1
389	A Bayesian approach for extreme learning machine-based subspace learning. , 2015, , .		1
390	A fault diagnosis method by using extreme learning machine. , 2015, , .		2
391	State-of-charge estimation of lithium iron phosphate battery using extreme learning machine., 2015,,.		4
392	Visual voice activity detection based on spatiotemporal information and bag of words. , 2015, , .		1
393	Crucial Data Selection Based on Random Weight Neural Network. , 2015, , .		0
394	Physical field estimation from CFD database and sparse sensor observations. , 2015, , .		5
395	Multi-task learning with selective cross-task transfer for predicting bleeding and other important patient outcomes. , $2015$ , , .		5
396	Discrete classification of upper limb motions using myoelectric interface., 2015,,.		0
397	State Preserving Extreme Learning Machine for face recognition. , 2015, , .		11
398	Development and Implementation of a Wheeled Inverted Pendulum Vehicle Using Adaptive Neural Control with Extreme Learning Machines. Cognitive Computation, 2015, 7, 740-752.	3.6	7
399	Morphological extreme learning machines applied to detect and classify masses in mammograms. , 2015, , .		18
400	Classification with Extreme Learning Machine on GPU., 2015, , .		7

#	Article	IF	CITATIONS
401	Combining ELM with Random Projections for Low and High Dimensional Data Classification and Clustering. Advances in Intelligent Systems and Computing, 2015, , 89-107.	0.5	3
402	Energy management with the support of dynamic pricing strategies in real micro-grid scenarios. , 2015, , .		4
403	The failure analysis of extreme learning machine on big data and the counter measure. , 2015, , .		2
404	Localized Deep Extreme Learning Machines for Efficient RGB-D Object Recognition. , 2015, , .		7
405	Weighted Extreme Learning Machine for Digital Watermarking in DWT Domain., 2015,,.		2
406	Combining AR filter and sparse Wavelet representation for P300 speller. , 2015, , .		O
407	Enhancing ELM-based Facial Image Classification by Exploiting Multiple Facial Views. Procedia Computer Science, 2015, 51, 2814-2821.	1.2	4
408	Soft Sensor Modeling Based on Extreme Learning Machine and Case-Based Reasoning. , 2015, , .		O
409	A Soft Sensor Based on the Integration of Tikhonov Extreme Learning Machine and Accelerated Kernels for Real-Time Estimation of Automotive Catalyst Temperatures. International Journal of Computational Intelligence and Applications, 2015, 14, 1550024.	0.6	0
410	Classification model of network intrusion using Weighted Extreme Learning Machine. , 2015, , .		15
411	Spike-based tactile pattern recognition using an extreme learning machine. , 2015, , .		6
412	Random projection for spike sorting: Decoding neural signals the neural network way. , 2015, , .		3
413	A comparison between Extreme Learning Machine and Fast Support Vector Classifier. , 2015, , .		6
414	Generalized Policy Iteration Adaptive Dynamic Programming for Discrete-Time Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 1577-1591.	5.9	109
415	Large-scale nonlinear facial image classification based on approximate kernel Extreme Learning Machine. , $2015$ , , .		9
416	Perceptual models of preference in 3D printing direction. ACM Transactions on Graphics, 2015, 34, 1-12.	4.9	101
417	Fuzzy Morphological Extreme Learning Machines to detect and classify masses in mammograms. , 2015, , .		22
418	An overview on wind power forecasting methods. , 2015, , .		14

#	Article	IF	CITATIONS
419	Online Probabilistic Extreme Learning Machine for Distribution Modeling of Complex Batch Forging Processes. IEEE Transactions on Industrial Informatics, 2015, 11, 1277-1286.	7.2	27
420	Classification of visually evoked potentials using extreme learning machine to command an intelligent robot chair with communication aid. , 2015, , .		0
421	Modeling electrode place discrimination in cochlear implants: Analysis of the influence of electrode array insertion depth. , $2015,  ,  .$		2
422	Optimal feature subset selection using differential evolution with Sequential Extreme Learning Machine for river ice images., 2015, , .		1
423	Driver Drowsiness Detection Based on Novel Eye Openness Recognition Method and Unsupervised Feature Learning. , 2015, , .		16
424	Regularized Extreme Learning Machine for Large-scale Media Content Analysis. Procedia Computer Science, 2015, 53, 420-427.	1.2	61
425	Multi-Document Extractive Summarization Using Window-Based Sentence Representation., 2015,,.		7
426	Smartphone-based Human Activity Recognition in buildings using Locality-constrained Linear Coding. , 2015, , .		10
427	Kurtosis-Based Blind Noisy Image Quality Assessment in Wavelet Domain., 2015,,.		2
428	Ensemble learning methods for decision making: Status and future prospects. , 2015, , .		17
429	Extreme Learning ANFIS for classification problems. , 2015, , .		5
430	Multivariate chaotic time series prediction based on PLSR and MKELM. , 2015, , .		1
431	Driving Behavior Signals and Machine Learning: A Personalized Driver Assistance System., 2015, , .		33
432	Auto-detection of Anisakid larvae in Cod Fillets by UV fluorescent imaging with OS-ELM. , 2015, , .		0
433	Online sequential-extreme learning machine based detector on training-learning-detection framework. , 2015, , .		1
434	An ELM-AE State Estimator for real-time monitoring in poorly characterized distribution networks. , 2015, , .		3
435	Large-Scale Classification by an Approximate Least Squares One-Class Support Vector Machine Ensemble. , 2015, , .		11
436	Classifying actions based on histogram of oriented velocity vectors. Journal of Intelligent Information Systems, 2015, 44, 49-65.	2.8	22

#	Article	IF	CITATIONS
437	Integrated analysis of CFD data with K-means clustering algorithm and extreme learning machine for localized HVAC control. Applied Thermal Engineering, 2015, 76, 98-104.	3.0	33
438	MARK-ELM: Application of a novel Multiple Kernel Learning framework for improving the robustness of Network Intrusion Detection. Expert Systems With Applications, 2015, 42, 4062-4080.	4.4	75
439	Is Extreme Learning Machine Feasible? A Theoretical Assessment (Part I). IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 7-20.	7.2	146
440	Is Extreme Learning Machine Feasible? A Theoretical Assessment (Part II). IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 21-34.	7.2	120
441	Combining extreme learning machines using support vector machines for breast tissue classification. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 185-191.	0.9	26
442	Improved extreme learning machine for multivariate time series online sequential prediction. Engineering Applications of Artificial Intelligence, 2015, 40, 28-36.	4.3	57
443	ELM-based spectral–spatial classification of hyperspectral images using extended morphological profiles and composite feature mappings. International Journal of Remote Sensing, 2015, 36, 645-664.	1.3	25
445	Forecasting solar radiation using an optimized hybrid model by Cuckoo Search algorithm. Energy, 2015, 81, 627-644.	4.5	87
446	Local Binary Patterns and Extreme Learning Machine for Hyperspectral Imagery Classification. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 3681-3693.	2.7	565
447	Online Sequential Extreme Learning Machine With Kernels. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2214-2220.	7.2	124
449	Short-term load forecasting by wavelet transform and evolutionary extreme learning machine. Electric Power Systems Research, 2015, 122, 96-103.	2.1	178
450	Extreme learning machines: new trends and applications. Science China Information Sciences, 2015, 58, 1-16.	2.7	85
451	Efficient ELM-Based Techniques for the Classification of Hyperspectral Remote Sensing Images on Commodity GPUs. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2884-2893.	2.3	52
452	A time-sequence-based fuzzy support vector machine adaptive filter for tremor cancelling for microsurgery. International Journal of Systems Science, 2015, 46, 1131-1146.	3.7	19
453	Parsimonious regularized extreme learning machine based on orthogonal transformation. Neurocomputing, 2015, 156, 280-296.	3.5	12
454	A complex-valued neural dynamical optimization approach and its stability analysis. Neural Networks, 2015, 61, 59-67.	3.3	53
455	A randomized ELM speedup algorithm. Neurocomputing, 2015, 159, 78-83.	3.5	4
456	Apple Variety Identification Based on Dielectric Spectra and Chemometric Methods. Food Analytical Methods, 2015, 8, 1042-1052.	1.3	31

#	Article	IF	Citations
457	A New Multivariate Approach for Prognostics Based on Extreme Learning Machine and Fuzzy Clustering. IEEE Transactions on Cybernetics, 2015, 45, 2626-2639.	6.2	142
458	A Variable Projection Approach for Efficient Estimation of RBF-ARX Model. IEEE Transactions on Cybernetics, 2015, 45, 462-471.	6.2	92
459	Application of complex extreme learning machine to multiclass classification problems with high dimensionality: A THz spectra classification problem. , 2015, 40, 40-52.		11
460	Identification of the Dynamic Operating Envelope of HCCI Engines Using Class Imbalance Learning. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 98-112.	7.2	36
461	Comparison of classification methods on EEG signals based on wavelet packet decomposition. Neural Computing and Applications, 2015, 26, 1217-1225.	3.2	51
462	A data-attribute-space-oriented double parallel (DASODP) structure for enhancing extreme learning machine: Applications to regression datasets. Engineering Applications of Artificial Intelligence, 2015, 41, 65-74.	4.3	16
463	A fast approach for detection of erythemato-squamous diseases based on extreme learning machine with maximum relevance minimum redundancy feature selection. International Journal of Systems Science, 2015, 46, 919-931.	3.7	73
464	Distributed Extreme Learning Machine for Nonlinear Learning over Network. Entropy, 2015, 17, 818-840.	1.1	8
465	Multi-channel EEG-based sleep stage classification with joint collaborative representation and multiple kernel learning. Journal of Neuroscience Methods, 2015, 254, 94-101.	1.3	36
466	A hybrid genetic algorithmâ€"extreme learning machine approach for accurate significant wave height reconstruction. Ocean Modelling, 2015, 92, 115-123.	1.0	34
467	Detection of heart murmurs based on radial wavelet neural network with Kalman learning. Neurocomputing, 2015, 164, 307-317.	3.5	17
468	Kalman filter-based method for Online Sequential Extreme Learning Machine for regression problems. Engineering Applications of Artificial Intelligence, 2015, 44, 101-110.	4.3	33
469	An extreme learning machine combined with Landweber iteration algorithm for the inverse problem of electrical capacitance tomography. Flow Measurement and Instrumentation, 2015, 45, 348-356.	1.0	21
470	Dataset structure as prior information for parameter-free regularization of extreme learning machines. Neurocomputing, 2015, 169, 288-294.	<b>3.</b> 5	12
471	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. Neurocomputing, 2015, 165, 171-181.	3.5	14
472	A sequential learning algorithm for a spiking neural classifier. Applied Soft Computing Journal, 2015, 36, 255-268.	4.1	13
473	Generalization ability of extreme learning machine with uniformly ergodic Markov chains. Neurocomputing, 2015, 167, 528-534.	3.5	3
474	An extreme learning machine based fast and accurate adaptive distance relaying scheme. International Journal of Electrical Power and Energy Systems, 2015, 73, 1002-1014.	3.3	7

#	Article	IF	CITATIONS
475	Discriminative clustering via extreme learning machine. Neural Networks, 2015, 70, 1-8.	3.3	45
476	Extreme Learning Machine Ensemble Classifier for Large-Scale Data. Proceedings in Adaptation, Learning and Optimization, 2015, , 151-161.	1.5	4
477	Facial age estimation based on advanced ordinal ranking. Electronics Letters, 2015, 51, 903-904.	0.5	3
478	Decoding suprathreshold stochastic resonance with optimal weights. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2277-2283.	0.9	12
479	An Improved Method for CT Image Coding Using PSNR Prediction Model Based on ELM. Applied Mechanics and Materials, 0, 738-739, 598-601.	0.2	0
480	Teaching human gestures to humanoid robots by using Kinect sensor. , 2015, , .		6
481	Comparison of ELM, RF, and SVM on E-nose and E-tongue to trace the quality status of mandarin (Citrus unshiu Marc.). Journal of Food Engineering, 2015, 166, 193-203.	2.7	69
482	Heuristic Ternary Error-Correcting Output Codes Via Weight Optimization and Layered Clustering-Based Approach. IEEE Transactions on Cybernetics, 2015, 45, 289-301.	6.2	18
483	Least Squares Policy Iteration Based on Random Vector Basis. Proceedings in Adaptation, Learning and Optimization, 2015, , 397-405.	1.5	0
484	Recognition of Human Stair Ascent and Descent Activities Based on Extreme Learning Machine. Proceedings in Adaptation, Learning and Optimization, 2015, , 253-265.	1.5	0
485	An improved cuckoo search based extreme learning machine for medical data classification. Swarm and Evolutionary Computation, 2015, 24, 25-49.	4.5	164
486	Low Velocity Impact Localization on CFRP Based on FBG Sensors and ELM Algorithm. IEEE Sensors Journal, 2015, 15, 4451-4456.	2.4	16
487	Data driven soft sensor development for complex chemical processes using extreme learning machine. Chemical Engineering Research and Design, 2015, 102, 1-11.	2.7	71
488	An accelerating scheme for destructive parsimonious extreme learning machine. Neurocomputing, 2015, 167, 671-687.	3.5	6
489	Noninvasive reconstruction of cardiac transmembrane potentials using a kernelized extreme learning method. Physics in Medicine and Biology, 2015, 60, 3237-3253.	1.6	0
490	Immune-inspired extreme learning machine: Performance evaluation and conceptual analyses. International Journal of Hybrid Intelligent Systems, 2015, 12, 1-12.	0.9	0
491	Universal Approximation with Convex Optimization: Gimmick or Reality? [Discussion Forum]. IEEE Computational Intelligence Magazine, 2015, 10, 68-77.	3.4	48
492	Significant wave height and energy flux range forecast with machine learning classifiers. Engineering Applications of Artificial Intelligence, 2015, 43, 44-53.	4.3	55

#	Article	IF	CITATIONS
493	An integrated PSO for parameter determination and feature selection of ELM and its application in classification of power system disturbances. Applied Soft Computing Journal, 2015, 32, 23-37.	4.1	141
494	Local Receptive Fields Based Extreme Learning Machine. IEEE Computational Intelligence Magazine, 2015, 10, 18-29.	3.4	299
495	Ensemble model of non-linear feature selection-based Extreme Learning Machine for improved natural gas reservoir characterization. Journal of Natural Gas Science and Engineering, 2015, 26, 1561-1572.	2.1	50
496	Fast and accurate face detection by sparse Bayesian extreme learning machine. Neural Computing and Applications, 2015, 26, 1149-1156.	3.2	20
497	CFRP damage identification system based on FBG sensors and ELM method. Optical Review, 2015, 22, 46-51.	1.2	4
498	Classification of Hemodynamic Responses Associated With Force and Speed Imagery for a Brain-Computer Interface. Journal of Medical Systems, 2015, 39, 53.	2.2	19
499	Nonlinear Regression with Logistic Product Basis Networks. IEEE Signal Processing Letters, 2015, 22, 1011-1015.	2.1	3
500	Rolling bearing fault diagnosis under variable conditions using LMD-SVD and extreme learning machine. Mechanism and Machine Theory, 2015, 90, 175-186.	2.7	197
501	DropELM: Fast neural network regularization with Dropout and DropConnect. Neurocomputing, 2015, 162, 57-66.	3.5	39
502	Extreme learning control of surface vehicles with unknown dynamics and disturbances. Neurocomputing, 2015, 167, 535-542.	3.5	11
503	Genetic algorithm based weighted extreme learning machine for binary imbalance learning. , 2015, , .		12
504	Optimizing extreme learning machine for hyperspectral image classification. Journal of Applied Remote Sensing, 2015, 9, 097296.	0.6	26
505	Imbalanced Learning for Air Pollution by Meta-Cognitive Online Sequential Extreme Learning Machine. Cognitive Computation, 2015, 7, 381-391.	3.6	21
506	Extreme learning machine with parallel layer perceptrons. Neurocomputing, 2015, 166, 164-171.	3.5	21
507	Manifold discriminant regression learning for image classification. Neurocomputing, 2015, 166, 475-486.	3.5	35
508	A hybrid BCI based on EEG and fNIRS signals improves the performance of decoding motor imagery of both force and speed of hand clenching. Journal of Neural Engineering, 2015, 12, 036004.	1.8	90
509	Robust Representation and Recognition of Facial Emotions Using Extreme Sparse Learning. IEEE Transactions on Image Processing, 2015, 24, 2140-2152.	6.0	114
510	Classification of AAMI heartbeat classes with an interactive ELM ensemble learning approach. Biomedical Signal Processing and Control, 2015, 19, 56-67.	3.5	18

#	Article	IF	CITATIONS
511	A 128 channel 290 GMACs/W machine learning based co-processor for intention decoding in brain machine interfaces. , 2015, , .	_	14
512	An efficient JPEG steganalysis scheme based on Binary Coded Genetic Algorithm and cognitive ensemble classifier. , 2015, , .		0
513	Multi-channel descriptors and ensemble of Extreme Learning Machines for classification of remote sensing images. Signal Processing: Image Communication, 2015, 39, 111-120.	1.8	10
514	A robust combination approach for short-term wind speed forecasting and analysis – Combination of the ARIMA (Autoregressive Integrated Moving Average), ELM (Extreme Learning Machine), SVM (Support) Tj ETQc	ղ1_1_0.784	l314 rgBT <mark> ○</mark>
515	model. Energy. 2015. 93. 41-56.  Daily global solar radiation prediction from air temperatures using kernel extreme learning machine: A case study for Iran. Journal of Atmospheric and Solar-Terrestrial Physics, 2015, 134, 109-117.	0.6	104
516	Ensemble based constrained-optimization extreme learning machine for landmark recognition. , 2015, , .		0
517	Investigating the performance of support vector machine and artificial neural networks in predicting solar radiation on a tilted surface: Saudi Arabia case study. Energy Conversion and Management, 2015, 105, 442-452.	4.4	100
518	Development of in Silico Models for Predicting P-Glycoprotein Inhibitors Based on a Two-Step Approach for Feature Selection and Its Application to Chinese Herbal Medicine Screening. Molecular Pharmaceutics, 2015, 12, 3691-3713.	2.3	16
519	A Complex-Valued Projection Neural Network for Constrained Optimization of Real Functions in Complex Variables. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 3227-3238.	7.2	82
520	Improving the performance of extreme learning machine for hyperspectral image classification. , 2015, , $\cdot$		0
521	Combining Active Learning and Semi-Supervised Learning Based on Extreme Learning Machine for Multi-class Image Classification. Lecture Notes in Computer Science, 2015, , 163-175.	1.0	6
522	Identification of Mild Cognitive Impairment Using Extreme Learning Machines Model. Lecture Notes in Computer Science, 2015, , 589-600.	1.0	3
523	A generalized pruning algorithm for extreme learning machine. , 2015, , .		1
524	Action Recognition from Depth Sequences Using Depth Motion Maps-Based Local Binary Patterns., 2015,,.		145
525	On the kernel Extreme Learning Machine speedup. Pattern Recognition Letters, 2015, 68, 205-210.	2.6	34
526	Short-term load forecasting for smart water and gas grids: A comparative evaluation. , 2015, , .		1
527	Soft-sensing in complex chemical process based on a sample clustering extreme learning machine modelâ^—â^—This project is supported by the National Natural Science Foundation of China (No.61104131,) Tj ET IFAC-PapersOnLine, 2015, 48, 801-806.	'QqQ 0 0 r	gBT /Overloc
528	A Real-Time Visual Tracking Approach Using Sparse Autoencoder and Extreme Learning Machine. Unmanned Systems, 2015, 03, 267-275.	2.7	2

#	Article	IF	Citations
529	Using the Extreme Learning Machine (ELM) technique for heart disease diagnosis. , 2015, , .		61
530	Using unlabeled acoustic data with locality-constrained linear coding for energy-related activity recognition in buildings., 2015,,.		3
531	Efficient Clutter Suppression in SAR Images With Shedding Irrelevant Patterns. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 1828-1832.	1.4	6
532	Multisensor Data Fusion Techniques With ELM for Pulverized-Fuel Flow Concentration Measurement in Cofired Power Plant. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 2769-2780.	2.4	20
533	Human Action Recognition Based on Multi-View Regularized Extreme Learning Machine. International Journal on Artificial Intelligence Tools, 2015, 24, 1540020.	0.7	5
534	Sparse extreme learning machine classifier exploiting intrinsic graphs. Pattern Recognition Letters, 2015, 65, 192-196.	2.6	5
536	Extreme-ANFIS: A novel learning approach for inverse model control of Nonlinear Dynamical Systems. , 2015, , .		0
537	High-Performance Extreme Learning Machines: A Complete Toolbox for Big Data Applications. IEEE Access, 2015, 3, 1011-1025.	2.6	283
538	Gabor-Filtering-Based Completed Local Binary Patterns for Land-Use Scene Classification. , 2015, , .		27
539	Micro-expression recognition based on CBP-TOP feature with ELM. Optik, 2015, 126, 4446-4451.	1.4	38
540	Multi-scale wavelet kernel extreme learning machine for EEG feature classification., 2015,,.		1
541	Comprehensive Modeling of U-Tube Steam Generators Using Extreme Learning Machines. IEEE Transactions on Nuclear Science, 2015, 62, 2245-2254.	1.2	15
542	Classification of EEG signals based on AR model and approximate entropy., 2015,,.		11
543	Predicting Protein-Protein Interactions from Amino Acid Sequences Using SaE-ELM Combined with Continuous Wavelet Descriptor and PseAA Composition. Lecture Notes in Computer Science, 2015, , 634-645.	1.0	2
544	Progressive Learning Machine: A New Approach for General Hybrid System Approximation. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1855-1874.	7.2	9
545	Feedforward kernel neural networks, generalized least learning machine, and its deep learning with application to image classification. Applied Soft Computing Journal, 2015, 37, 125-141.	4.1	46
546	Spectrum prediction for high-frequency radar based on Extreme Learning Machine., 2015,,.		1
547	A Classification Framework for Predicting Components' Remaining Useful Life Based on Discrete-Event Diagnostic Data. IEEE Transactions on Reliability, 2015, 64, 1049-1056.	3.5	25

#	ARTICLE	IF	CITATIONS
548	QPSO-ELM: An evolutionary extreme learning machine based on quantum-behaved particle swarm optimization. , $2015,  ,  .$		4
549	Deep Learning for Feature Extraction of Arabic Handwritten Script. Lecture Notes in Computer Science, 2015, , 371-382.	1.0	24
550	Multi-sensor satellite remote sensing images for flood assessment using swarm intelligence. , 2015, , .		2
551	Neural network river forecasting through baseflow separation and binary-coded swarm optimization. Journal of Hydrology, 2015, 529, 1788-1797.	2.3	202
552	Extreme learning machines in the field of text classification. , 2015, , .		11
553	Hyperspectral image classification using FPCA-based kernel extreme learning machine. Optik, 2015, 126, 3942-3948.	1.4	20
554	A WSN-based prediction model of microclimate in a greenhouse using an extreme learning approach. , 2015, , .		8
555	L1-regularized least squares sparse extreme learning machine for classification. , 2015, , .		9
556	On-line Adaptive and Intelligent Distance Relaying Scheme for Power Network. International Journal of Emerging Electric Power Systems, 2015, 16, 473-489.	0.6	1
557	Efficient large-scale action recognition in videos using extreme learning machines. Expert Systems With Applications, 2015, 42, 8274-8282.	4.4	30
558	Nonlinear regression in environmental sciences using extreme learning machines: A comparative evaluation. Environmental Modelling and Software, 2015, 73, 175-188.	1.9	68
559	Data-driven input variable selection for rainfall–runoff modeling using binary-coded particle swarm optimization and Extreme Learning Machines. Journal of Hydrology, 2015, 529, 1617-1632.	2.3	293
560	A comparison of Extreme Learning Machine and Support Vector Machine classifiers., 2015,,.		16
561	Infrared image segmentation using HOG feature and kernel extreme learning machine., 2015,,.		O
562	Imbalanced Extreme Learning Machine Based on Probability Density Estimation. Lecture Notes in Computer Science, 2015, , 160-167.	1.0	3
563	Landmark recognition with sparse representation classification and extreme learning machine. Journal of the Franklin Institute, 2015, 352, 4528-4545.	1.9	75
564	OCReP: An Optimally Conditioned Regularization for pseudoinversion based neural training. Neural Networks, 2015, 71, 76-87.	3.3	8
565	Functional link expansions for nonlinear modeling of audio and speech signals. , 2015, , .		9

#	Article	IF	CITATIONS
566	Exploring Feature Extraction and ELM in Malware Detection for Android Devices. Lecture Notes in Computer Science, 2015, , 489-498.	1.0	8
567	A novel facial expression recognition method based on extreme learning machine. , 2015, , .		9
568	Multiple neural networks switched prediction for landslide displacement. Engineering Geology, 2015, 186, 91-99.	2.9	122
569	Performance improvement of classifier fusion for batch samples based on upper integral. Neural Networks, 2015, 63, 87-93.	3.3	7
570	Extreme Learning Machine for Linear Dynamical Systems Classification: Application to Human Activity Recognition. Proceedings in Adaptation, Learning and Optimization, 2015, , 11-20.	1.5	1
571	On the kernel Extreme Learning Machine classifier. Pattern Recognition Letters, 2015, 54, 11-17.	2.6	139
572	Outlier-robust extreme learning machine for regression problems. Neurocomputing, 2015, 151, 1519-1527.	3.5	170
573	Domain Adaptation Extreme Learning Machines for Drift Compensation in E-Nose Systems. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 1790-1801.	2.4	269
574	Joint sparse regularization based Sparse Semi-Supervised Extreme Learning Machine (S3ELM) for classification. Knowledge-Based Systems, 2015, 73, 149-160.	4.0	27
575	Hybridizing Extreme Learning Machines and Genetic Algorithms to select acoustic features in vehicle classification applications. Neurocomputing, 2015, 152, 58-68.	3.5	50
576	An oscillation bound of the generalization performance of extreme learning machine and corresponding analysis. Neurocomputing, 2015, 151, 883-890.	3.5	13
577	Feature selection based on closed frequent itemset mining: A case study on SAGE data classification. Neurocomputing, 2015, 151, 1027-1032.	3.5	8
578	Learning ELM-Tree from big data based on uncertainty reduction. Fuzzy Sets and Systems, 2015, 258, 79-100.	1.6	44
579	ELM-based name disambiguation in bibliography. World Wide Web, 2015, 18, 253-263.	2.7	18
580	ELM based approximate dynamic cycle matching for homogeneous symmetric Pub/Sub system. World Wide Web, 2015, 18, 265-280.	2.7	0
581	Collaborative work with linear classifier and extreme learning machine for fast text categorization. World Wide Web, 2015, 18, 235-252.	2.7	9
582	Meme representations for game agents. World Wide Web, 2015, 18, 215-234.	2.7	3
583	Stacked Extreme Learning Machines. IEEE Transactions on Cybernetics, 2015, 45, 2013-2025.	6.2	112

#	Article	IF	Citations
584	Extreme Learning Machine With Composite Kernels for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 2351-2360.	2.3	158
585	Fusion of Extreme Learning Machine and Graph-Based Optimization Methods for Active Classification of Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 527-531.	1.4	54
586	Generalized Single-Hidden Layer Feedforward Networks for Regression Problems. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1161-1176.	7.2	114
587	Trends in extreme learning machines: A review. Neural Networks, 2015, 61, 32-48.	3.3	1,454
588	Enhancement of online sequential extreme learning machine based on the householder block exact inverse QRD recursive least squares. Neurocomputing, 2015, 149, 239-252.	3.5	5
589	Anomaly detection in traffic using L1-norm minimization extreme learning machine. Neurocomputing, 2015, 149, 415-425.	3.5	48
590	Multiple kernel extreme learning machine. Neurocomputing, 2015, 149, 253-264.	3.5	157
591	An ELM-based model for affective analogical reasoning. Neurocomputing, 2015, 149, 443-455.	3.5	89
592	Improved incremental Regularized Extreme Learning Machine Algorithm and its application in two-motor decoupling control. Neurocomputing, 2015, 149, 215-223.	3.5	6
593	Elastic extreme learning machine for big data classification. Neurocomputing, 2015, 149, 464-471.	3.5	77
594	Extreme spectral regression for efficient regularized subspace learning. Neurocomputing, 2015, 149, 171-179.	3.5	12
595	Discriminative graph regularized extreme learning machine and its application to face recognition. Neurocomputing, 2015, 149, 340-353.	3.5	156
596	Sparse Bayesian extreme learning machine and its application to biofuel engine performance prediction. Neurocomputing, 2015, 149, 397-404.	3.5	45
597	Acoustic template-matching for automatic emergency state detection: An ELM based algorithm. Neurocomputing, 2015, 149, 426-434.	3.5	62
598	Multi-dimensional extreme learning machine. Neurocomputing, 2015, 149, 160-170.	3.5	12
599	Data Partition Learning With Multiple Extreme Learning Machines. IEEE Transactions on Cybernetics, 2015, 45, 1463-1475.	6.2	37
600	Active extreme learning machines for quad-polarimetric SAR imagery classification. International Journal of Applied Earth Observation and Geoinformation, 2015, 35, 305-319.	1.4	30
601	Compressed-Domain Ship Detection on Spaceborne Optical Image Using Deep Neural Network and Extreme Learning Machine. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 1174-1185.	2.7	350

#	Article	IF	CITATIONS
602	A robust safety-oriented autonomous cruise control scheme for electric vehicles based on model predictive control and online sequential extreme learning machine with a hyper-level fault tolerance-based supervisor. Neurocomputing, 2015, 151, 845-856.	3.5	36
603	Semi-supervised extreme learning machine with manifold and pairwise constraints regularization. Neurocomputing, 2015, 149, 180-186.	3.5	26
604	Identification and quantification of concurrent control chart patterns using extreme-point symmetric mode decomposition and extreme learning machines. Neurocomputing, 2015, 147, 260-270.	3.5	40
605	Modeling and optimization of biodiesel engine performance using kernel-based extreme learning machine and cuckoo search. Renewable Energy, 2015, 74, 640-647.	4.3	134
606	Classification and regression of ELM, LVQ and SVM for E-nose data of strawberry juice. Journal of Food Engineering, 2015, 144, 77-85.	2.7	95
607	Efficient smile detection by Extreme Learning Machine. Neurocomputing, 2015, 149, 354-363.	3.5	61
608	A new robust ELM method based on a Bayesian framework with heavy-tailed distribution and weighted likelihood function. Neurocomputing, 2015, 149, 891-903.	<b>3.</b> 5	16
609	A novel CBIR system with WLLTSA and ULRGA. Neurocomputing, 2015, 147, 509-522.	3 <b>.</b> 5	8
610	A Cognitive Ensemble of Extreme Learning Machines for Steganalysis Based on Risk-Sensitive Hinge Loss Function. Cognitive Computation, 2015, 7, 103-110.	3.6	26
611	Classification of Uncertain Data Streams Based on Extreme Learning Machine. Cognitive Computation, 2015, 7, 150-160.	3.6	28
612	A Coral Reefs Optimization algorithm with Harmony Search operators for accurate wind speed prediction. Renewable Energy, 2015, 75, 93-101.	4.3	69
613	A robust recognition error recovery for micro-flow cytometer by machine-learning enhanced single-frame super-resolution processing. The Integration VLSI Journal, 2015, 51, 208-218.	1.3	13
614	Distributed Extreme Learning Machine with kernels based on MapReduce. Neurocomputing, 2015, 149, 456-463.	3.5	43
615	Skeleton-based action recognition with extreme learning machines. Neurocomputing, 2015, 149, 387-396.	3.5	42
616	Artificial neural network model for predicting methane percentage in biogas recovered from a landfill upon injection of liquid organic waste. Clean Technologies and Environmental Policy, 2015, 17, 443-453.	2.1	59
617	MR-ELM: a MapReduce-based framework for large-scale ELM training in big data era. Neural Computing and Applications, 2016, 27, 101-110.	3.2	29
618	Orthogonal incremental extreme learning machine for regression and multiclass classification. Neural Computing and Applications, 2016, 27, 111-120.	3.2	29
619	Fast detection of impact location using kernel extreme learning machine. Neural Computing and Applications, 2016, 27, 121-130.	3.2	53

#	Article	IF	CITATIONS
620	Freshwater algal bloom prediction by extreme learning machine in Macau Storage Reservoirs. Neural Computing and Applications, 2016, 27, 19-26.	3.2	12
621	Extreme learning machine for interval neural networks. Neural Computing and Applications, 2016, 27, 3-8.	3.2	9
622	Absent extreme learning machine algorithm with application to packed executable identification. Neural Computing and Applications, 2016, 27, 93-100.	3.2	11
623	Model predictive engine air-ratio control using online sequential extreme learning machine. Neural Computing and Applications, 2016, 27, 79-92.	3.2	33
624	Applying a new localized generalization error model to design neural networks trained with extreme learning machine. Neural Computing and Applications, 2016, 27, 59-66.	3.2	38
625	A Novel Tri-Training Technique for Semi-Supervised Classification of Hyperspectral Images Based on Diversity Measurement. Remote Sensing, 2016, 8, 749.	1.8	18
626	Accuracy Analysis Mechanism for Agriculture Data Using the Ensemble Neural Network Method. Sustainability, 2016, 8, 735.	1.6	34
627	Intelligent demand forecasting systems for fast fashion. , 2016, , 145-161.		6
628	A novel architecture of CNN based on SVM classifier for recognising Arabic handwritten script. International Journal of Intelligent Systems Technologies and Applications, 2016, 15, 323.	0.2	12
629	Vowel Imagery Decoding toward Silent Speech BCI Using Extreme Learning Machine with Electroencephalogram. BioMed Research International, 2016, 2016, 1-11.	0.9	61
630	An Expert Diagnosis System for Parkinson Disease Based on Genetic Algorithm-Wavelet Kernel-Extreme Learning Machine. Parkinson's Disease, 2016, 2016, 1-9.	0.6	44
631	A Novel SMOTE-Based Classification Approach to Online Data Imbalance Problem. Mathematical Problems in Engineering, 2016, 2016, 1-14.	0.6	7
632	Fault Diagnosis for Engine Based on Single-Stage Extreme Learning Machine. Mathematical Problems in Engineering, 2016, 2016, 1-10.	0.6	4
633	Adaptive Online Sequential ELM for Concept Drift Tackling. Computational Intelligence and Neuroscience, 2016, 2016, 1-17.	1.1	15
634	Research on Coal Exploration Technology Based on Satellite Remote Sensing. Journal of Sensors, 2016, 2016, 1-9.	0.6	3
635	Spectral Nonlinearly Embedded Clustering Algorithm. Mathematical Problems in Engineering, 2016, 2016, 1-9.	0.6	2
636	A Fault Diagnosis Method of High Voltage Circuit Breaker Based on Moving Contact Motion Trajectory and ELM. Mathematical Problems in Engineering, 2016, 2016, 1-10.	0.6	20
637	An Active Learning Classifier for Further Reducing Diabetic Retinopathy Screening System Cost. Computational and Mathematical Methods in Medicine, 2016, 2016, 1-10.	0.7	8

#	Article	IF	CITATIONS
638	Online Sequential Projection Vector Machine with Adaptive Data Mean Update. Computational Intelligence and Neuroscience, 2016, 2016, 1-13.	1.1	1
639	Lower Order Krawtchouk Moment-Based Feature-Set for Hand Gesture Recognition. Advances in Human-Computer Interaction, 2016, 2016, 1-10.	1.8	15
640	An Approach to Fault Diagnosis for Gearbox Based on Image Processing. Shock and Vibration, 2016, 2016, 1-10.	0.3	7
641	An Extreme Learning Machine Based on the Mixed Kernel Function of Triangular Kernel and Generalized Hermite Dirichlet Kernel. Discrete Dynamics in Nature and Society, 2016, 2016, 1-11.	0.5	1
642	Analytical Redundancy Design for Aeroengine Sensor Fault Diagnostics Based on SROS-ELM. Mathematical Problems in Engineering, 2016, 2016, 1-9.	0.6	9
643	An Efficient Approach for Real-Time Prediction of Rate of Penetration in Offshore Drilling. Mathematical Problems in Engineering, 2016, 2016, 1-13.	0.6	44
644	A Hybrid Short-Term Traffic Flow Prediction Model Based on Singular Spectrum Analysis and Kernel Extreme Learning Machine. PLoS ONE, 2016, 11, e0161259.	1.1	35
645	Improving Multi-Instance Multi-Label Learning by Extreme Learning Machine. Applied Sciences (Switzerland), 2016, 6, 160.	1.3	6
646	Improved LMD, Permutation Entropy and Optimized K-Means to Fault Diagnosis for Roller Bearings. Entropy, 2016, 18, 70.	1.1	51
647	Extreme Learning Machine for Multi-Label Classification. Entropy, 2016, 18, 225.	1.1	28
648	An Entropy-Based Kernel Learning Scheme toward Efficient Data Prediction in Cloud-Assisted Network Environments. Entropy, 2016, 18, 274.	1.1	3
649	Representational Learning for Fault Diagnosis of Wind Turbine Equipment: A Multi-Layered Extreme Learning Machines Approach. Energies, 2016, 9, 379.	1.6	69
650	A Review of Classification Problems and Algorithms in Renewable Energy Applications. Energies, 2016, 9, 607.	1.6	87
651	A Novel Data Hierarchical Fusion Method for Gas Turbine Engine Performance Fault Diagnosis. Energies, 2016, 9, 828.	1.6	17
652	Windows Based Data Sets for Evaluation of Robustness of Host Based Intrusion Detection Systems (IDS) to Zero-Day and Stealth Attacks. Future Internet, 2016, 8, 29.	2.4	42
653	Hard-Rock Stability Analysis for Span Design in Entry-Type Excavations with Learning Classifiers. Materials, 2016, 9, 531.	1.3	32
654	Remote Sensing Image Scene Classification Using Multi-Scale Completed Local Binary Patterns and Fisher Vectors. Remote Sensing, 2016, 8, 483.	1.8	126
655	A Compressed Sensing-Based Wearable Sensor Network for Quantitative Assessment of Stroke Patients. Sensors, 2016, 16, 202.	2.1	21

#	Article	IF	CITATIONS
656	Concrete Condition Assessment Using Impact-Echo Method and Extreme Learning Machines. Sensors, 2016, 16, 447.	2.1	61
657	Enhancing Electronic Nose Performance Based on a Novel QPSO-KELM Model. Sensors, 2016, 16, 520.	2.1	22
658	Driver Distraction Using Visual-Based Sensors and Algorithms. Sensors, 2016, 16, 1805.	2.1	85
659	A Modified more Rapid Sequential Extreme Learning Machine. , 2016, , .		O
660	Combined prediction model of quantum genetic grey prediction model and support vector machine. , 2016, , .		3
661	Computation of reservoir relative permeability curve based on multi-scale wavelet kernel extreme learning machine. , 2016, , .		1
662	A novel vision system for baggage localization. , 2016, , .		1
663	A soft sensor for industrial melt index prediction based on evolutionary extreme learning machine. Chinese Journal of Chemical Engineering, 2016, 24, 1013-1019.	1.7	30
664	Multi-view clustering with extreme learning machine. Neurocomputing, 2016, 214, 483-494.	3.5	38
665	Scaling Up Class-Specific Kernel Discriminant Analysis for Large-Scale Face Verification. IEEE Transactions on Information Forensics and Security, 2016, 11, 2453-2465.	4.5	16
666	Learning Time-optimal Anti-swing Trajectories for Overhead Crane Systems. Lecture Notes in Computer Science, 2016, , 338-345.	1.0	5
667	Robust Acoustic Emotion Recognition Based on Cascaded Normalization and Extreme Learning Machines. Lecture Notes in Computer Science, 2016, , 115-123.	1.0	13
668	An effective method for grasp planning on objects with complex geometry combining human experience and analytical approach. Science China Information Sciences, 2016, 59, 1.	2.7	3
669	ELM-based speckle reduction for medical ultrasound image. , 2016, , .		0
670	Multimodal fusion of audio, scene, and face features for first impression estimation., 2016,,.		24
671	Combined nonlinear visualization and classification: ELMVIS++C. , 2016, , .		3
672	Ensemble Learning with Uncertainty., 2016, , 149-219.		0
673	Unsupervised classifier selection approach for hyperspectral image classification. , 2016, , .		1

#	Article	IF	CITATIONS
674	Kernel-Extreme Learning Machine-Based Fault Location in Advanced Series-Compensated Transmission Line. Electric Power Components and Systems, 2016, 44, 2243-2255.	1.0	9
675	Traffic Sign Recognition Using Kernel Extreme Learning Machines With Deep Perceptual Features. IEEE Transactions on Intelligent Transportation Systems, 2016, , 1-7.	4.7	39
676	Robust kernel-based model reference adaptive control for unstable aircraft. Advances in Mechanical Engineering, 2016, 8, 168781401667720.	0.8	3
677	A speculative approach to spatialâ€temporal efficiency with multiâ€objective optimization in a heterogeneous cloud environment. Security and Communication Networks, 2016, 9, 4002-4012.	1.0	182
678	Local averaging based feature extraction on hyperspectral image data. , 2016, , .		0
679	Change detection from synthetic aperture radar images based on neighborhood-based ratio and extreme learning machine. Journal of Applied Remote Sensing, 2016, 10, 046019.	0.6	98
680	Olfactory target/background odor detection via self-expression model. , 2016, , .		1
681	An ELM-based privacy preserving protocol for cloud systems. , 2016, , .		2
682	FEDD: Feature Extraction for Explicit Concept Drift Detection in time series. , 2016, , .		28
683	Clinical narrative classification using discriminant word embeddings with ELM., 2016, , .		5
684	A cross-selection instance algorithm. Journal of Intelligent and Fuzzy Systems, 2016, 30, 717-728.	0.8	16
685	Leveraging local receptive fields based random weights networks for hyperspectral image classification. Journal of Intelligent and Fuzzy Systems, 2016, 31, 1017-1028.	0.8	2
686	Gesture recognition using data glove: An extreme learning machine method., 2016,,.		26
687	Post stall maneuver control of advanced fighter considering the unsteady aerodynamics. , 2016, , .		0
688	Probability-Weighted Extreme Learning Machine for Classification with Uncertain Data. , 2016, , .		0
689	Modeling of physiological tremor with quaternion variant of extreme learning machines. , 2016, , .		1
690	Wind speed prediction using an efficient Polynomial kernel based RELM algorithm., 2016,,.		0
691	Localized Extreme Learning Machine for online inverse dynamic model estimation in soft wearable exoskeleton. , $2016,  \ldots$		6

#	Article	IF	Citations
692	Semi-supervised clustering using seeded-kMeans in the feature space of ELM. , 2016, , .		2
693	Laplacian one class extreme learning machines for human action recognition. , 2016, , .		3
694	Traffic Sign Recognition Based on Extreme Learning Machine. , 2016, , .		0
695	On-line machine learning accelerator on digital RRAM-crossbar. , 2016, , .		5
696	Classification of power quality events using wavelet packet transform and extreme learning machine. , 2016, , .		15
697	Research on fault feature extraction for analog circuits. , 2016, , .		0
698	Comparative analysis of ELM and No-Prop algorithms. , 2016, , .		1
699	ELM-based hyperspectral imagery processor for onboard real-time classification. , 2016, , .		6
700	Extreme learning machine with diversified neurons. , 2016, , .		3
701	Iris recognition from distant images based on multiple feature descriptors and classifiers. , 2016, , .		7
702	Classification of desired motion speed-based on cerebral hemoglobin information. , 2016, , .		2
703	DBM vs ELM: A study on effective training of compact MLP. , 2016, , .		1
704	A novel progressive multi-label classifier for class-incremental data. , 2016, , .		4
705	Kernel ELM and CNN Based Facial Age Estimation. , 2016, , .		46
706	An Improved Extreme Learning Machine with Parallelized Feature Mapping Structures. , 2016, , .		1
707	Modeling 2D Appearance Evolution for 3D Object Categorization. , 2016, , .		7
708	Image Tampering Detection Based on Local Texture Descriptor and Extreme Learning Machine. , 2016, , .		10
709	A firefly optimized fast extreme learning machine based maximum power point tracking for stability analysis of microgrid with two stage photovoltaic generation system. Journal of Renewable and Sustainable Energy, 2016, 8, .	0.8	16

#	Article	IF	CITATIONS
710	Prediction of Parkinson's disease using speech signal with Extreme Learning Machine., 2016,,.		29
711	Multi-Modal Local Receptive Field Extreme Learning Machine for object recognition. , 2016, , .		6
712	Classification guided differential evolution. , 2016, , .		2
713	A review of approximate methods for kernel-based big media data analysis. , 2016, , .		4
714	EEG classification for motor imagery and resting state in BCI applications using multi-class Adaboost extreme learning machine. Review of Scientific Instruments, 2016, 87, 085110.	0.6	44
715	ELM variants comparison on applications of time series data forecasting. , 2016, , .		3
716	ELM Meets RAE-ELM: A hybrid intelligent model for multiple fault diagnosis and remaining useful life predication of rotating machinery. , $2016,  ,  .$		10
717	Hyperspectral image classification via kernel extreme learning machine using local receptive fields. , 2016, , .		5
718	Probabilistic forecasting of traffic flow using kernel based extreme learning maching and quantum-bahaved particle swarm optimization. , 2016, , .		1
719	Facial Expression Recognition in the Wild Using Improved Dense Trajectories and Fisher Vector Encoding. , 2016, , .		12
720	On optimization of SVMs kernels and parameters for electricity price forecasting. , 2016, , .		3
721	A grouping genetic algorithm â€" Extreme learning machine approach for optimal wave energy prediction. , 2016, , .		3
722	Online neuro-identification of nonlinear systems using Extreme Learning Machine. , 2016, , .		2
723	Commonality-Rarity Score Computation. , 2016, , .		10
724	Chebyshev polynomial functions based locally recurrent neuro-fuzzy information system for prediction of financial and energy market data. Journal of Finance and Data Science, 2016, 2, 202-223.	1.8	10
725	Bidirectional joint torque prediction with EMG of multiple channels: Both agonist and antagonist muscles are necessary. , $2016,  ,  .$		0
726	Bootstrap rankâ€ordered conditional mutual information (broCMI): A nonlinear input variable selection method for water resources modeling. Water Resources Research, 2016, 52, 2299-2326.	1.7	72
727	An integrated model for caustic ratio prediction in the alumina digestion process. , 2016, , .		1

#	Article	IF	CITATIONS
728	Nonlinear Forward Selection Component Analysis for optical emission spectroscopy wavelength selection. , $2016,  ,  .$		1
729	Meta-cognitive extreme learning machine for regression problems. , 2016, , .		2
730	A dynamic evolutionary strategy for time ahead energy storage management in microgrid. , 2016, , .		4
731	Driver identification and impostor detection based on driving behavior signals. , 2016, , .		30
732	Intelligent prognostics based on empirical mode decomposition and extreme learning machine. , 2016, , .		8
733	An Efficient and Effective Automatic Recognition System for Online Recognition of Foreign Fibers in Cotton. IEEE Access, 2016, 4, 8465-8475.	2.6	20
734	A prediction method for deck-motion of air-carrier based on PSO-KELM. , 2016, , .		1
735	Prototype-based class-specific nonlinear subspace learning for large-scale face verification., 2016,,.		2
736	Deep prediction model: The case of online adaptive prediction of subcutaneous glucose. , 2016, , .		10
737	No-reference image quality assessment using extreme learning machines. , 2016, , .		1
738	Adaptive neural network tracking for a class of Markov jump stochastic nonlinear systems based on Extreme Learning Machine. , $2016$ , , .		0
739	Relative entropy normalized Gaussian supervector for speech emotion recognition using kernel extreme learning machine. , $2016,  ,  .$		2
740	Advanced Analytics for Train Delay Prediction Systems by Including Exogenous Weather Data. , 2016, , .		25
741	A novel combined forecasting model for short-term wind power based on ensemble empirical mode decomposition and optimal virtual prediction. Journal of Renewable and Sustainable Energy, 2016, 8, 013104.	0.8	12
742	Multiclass ELM Based Smart Trustworthy IDS for MANETs. Arabian Journal for Science and Engineering, 2016, 41, 3127-3137.	1.1	6
743	Microarray medical data classification using kernel ridge regression and modified cat swarm optimization based gene selection system. Swarm and Evolutionary Computation, 2016, 28, 144-160.	<b>4.</b> 5	115
744	Extreme learning approach with wavelet transform function for forecasting wind turbine wake effect to improve wind farm efficiency. Advances in Engineering Software, 2016, 96, 91-95.	1.8	11
745	A new prediction model based on the leaching rate kinetics in the alumina digestion process. Hydrometallurgy, 2016, 164, 7-14.	1.8	11

#	Article	IF	CITATIONS
746	A supervised extreme learning committee for food recognition. Computer Vision and Image Understanding, 2016, 148, 67-86.	3.0	41
747	Cholesky factorization based online regularized and kernelized extreme learning machines with forgetting mechanism. Neurocomputing, 2016, 174, 1147-1155.	3.5	13
748	Parsimonious kernel extreme learning machine in primal via Cholesky factorization. Neural Networks, 2016, 80, 95-109.	3.3	19
749	Dimension Reduction With Extreme Learning Machine. IEEE Transactions on Image Processing, 2016, 25, 3906-3918.	6.0	196
750	An Analytical Study on Reasoning of Extreme Learning Machine for Classification from Its Inductive Bias. Cognitive Computation, 2016, 8, 746-756.	3.6	7
751	Non-invasive single-trial detection of variable population spike responses in human somatosensory evoked potentials. Clinical Neurophysiology, 2016, 127, 1872-1878.	0.7	8
752	A sparse extreme learning machine framework by continuous optimization algorithms and its application in pattern recognition. Engineering Applications of Artificial Intelligence, 2016, 53, 176-189.	4.3	25
<b>7</b> 53	Hessian semi-supervised extreme learning machine. Neurocomputing, 2016, 207, 560-567.	3.5	17
754	Metaheuristic optimization within machine learning-based classification system for early warnings related to geotechnical problems. Automation in Construction, 2016, 68, 65-80.	4.8	55
755	Detection and classification of masses in mammographic images in a multi-kernel approach. Computer Methods and Programs in Biomedicine, 2016, 134, 11-29.	2.6	74
756	A Novel Semi-Supervised Learning Approach in Artificial Olfaction for E-Nose Application. IEEE Sensors Journal, 2016, 16, 4919-4931.	2.4	41
757	A hybrid stock trading framework integrating technical analysis with machine learning techniques. Journal of Finance and Data Science, 2016, 2, 42-57.	1.8	131
758	Preliminary study on Wilcoxon-norm-based robust extreme learning machine. Neurocomputing, 2016, 198, 20-26.	3.5	5
<b>7</b> 59	Prediction of hydrological time-series using extreme learning machine. Journal of Hydroinformatics, 2016, 18, 345-353.	1.1	34
760	ELM: AN ALGORITHM TO ESTIMATE THE ALPHA ABUNDANCE FROM LOW-RESOLUTION SPECTRA. Astrophysical Journal, 2016, 817, 78.	1.6	4
761	A load-balancing approach based on modified K-ELM and NSGA-II in a heterogeneous cloud environment. , 2016, , .		5
762	Learn the Lagrangian: A Vector-Valued RKHS Approach to Identifying Lagrangian Systems. IEEE Transactions on Cybernetics, 2016, 46, 3247-3258.	6.2	9
763	Scalable learning method for feedforward neural networks using minimal-enclosing-ball approximation. Neural Networks, 2016, 78, 51-64.	3.3	5

#	Article	IF	Citations
764	A novel Grouping Genetic Algorithm–Extreme Learning Machine approach for global solar radiation prediction from numerical weather models inputs. Solar Energy, 2016, 132, 129-142.	2.9	95
765	Optimal weighted suprathreshold stochastic resonance with multigroup saturating sensors. Physica A: Statistical Mechanics and Its Applications, 2016, 457, 348-355.	1.2	10
766	Embedded Algorithmic Noise-Tolerance for Signal Processing and Machine Learning Systems via Data Path Decomposition. IEEE Transactions on Signal Processing, 2016, 64, 3338-3350.	3.2	17
767	A novel biologically inspired ELM-based network for image recognition. Neurocomputing, 2016, 174, 286-298.	3.5	14
768	Interpretation of DGA for transformer fault diagnosis with complementary SaE-ELM and arctangent transform. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 586-595.	1.8	82
769	Integrated optimization model of laser brazing by extreme learning machine and genetic algorithm. International Journal of Advanced Manufacturing Technology, 2016, 87, 2943-2950.	1.5	21
770	Discriminative manifold extreme learning machine and applications to image and EEG signal classification. Neurocomputing, 2016, 174, 265-277.	3.5	39
771	Estimating Evapotranspiration Using an Extreme Learning Machine Model: Case Study in North Bihar, India. Journal of Irrigation and Drainage Engineering - ASCE, 2016, 142, .	0.6	28
772	Extreme learning machine via free sparse transfer representation optimization. Memetic Computing, 2016, 8, 85-95.	2.7	7
773	ELMVIS+: Fast nonlinear visualization technique based on cosine distance and extreme learning machines. Neurocomputing, 2016, 205, 247-263.	3.5	20
774	A novel progressive learning technique for multi-class classification. Neurocomputing, 2016, 207, 310-321.	3.5	28
775	An information theoretic approach to select alternate subsets of predictors for data-driven hydrological models. Journal of Hydrology, 2016, 542, 18-34.	2.3	20
776	Early-stage atherosclerosis detection using deep learning over carotid ultrasound images. Applied Soft Computing Journal, 2016, 49, 616-628.	4.1	45
777	Prediction of fatigue stress concentration factor using extreme learning machine. Computational Materials Science, 2016, 125, 136-145.	1.4	26
778	Extensive semi-quantitative regression. Neurocomputing, 2016, 218, 26-36.	3.5	1
779	Indoor occupancy estimation from carbon dioxide concentration. Energy and Buildings, 2016, 131, 132-141.	3.1	149
780	Applying Extreme Learning Machine to classification of EEG BCI. , 2016, , .		20
781	Exploring the complementarity of THz pulse imaging and DCE-MRIs: Toward a unified multi-channel classification and a deep learning framework. Computer Methods and Programs in Biomedicine, 2016, 137, 87-114.	2.6	16

#	Article	IF	CITATIONS
782	Classification of speech under stress using harmonic peak to energy ratio. Computers and Electrical Engineering, 2016, 55, 12-23.	3.0	14
783	Gesture imitation and recognition using Kinect sensor and extreme learning machines. Measurement: Journal of the International Measurement Confederation, 2016, 94, 852-861.	2.5	30
784	SAR image segmentation based on analysing similarity with clutter spatial patterns. Electronics Letters, 2016, 52, 1807-1809.	0.5	4
785	One class classification applied in facial image analysis. , 2016, , .		9
786	Discriminative extreme learning machine to content-based image retrieval with relevance feedback. , 2016, , .		4
787	Personalized program guide based on one-class classifier. IEEE Transactions on Consumer Electronics, 2016, 62, 175-181.	3.0	2
788	A double-layer ELM with added feature selection ability using a sparse Bayesian approach. Neurocomputing, 2016, 216, 371-380.	3.5	5
789	Feature Extractor Based Deep Method to Enhance Online Arabic Handwritten Recognition System. Lecture Notes in Computer Science, 2016, , 136-144.	1.0	7
790	Sparse Extreme Learning Machine Classifier Using Empirical Feature Mapping. Lecture Notes in Computer Science, 2016, , 486-493.	1.0	1
791	Saliency detection via extreme learning machine. Neurocomputing, 2016, 218, 103-112.	3.5	18
792	Multi-view gait recognition using a doubly-kernel approach on the Grassmann manifold. Neurocomputing, 2016, 216, 534-542.	3.5	6
793	Online sequential extreme learning machines for fault detection. , 2016, , .		3
794	Anticipative Hybrid Extreme Rotation Forest. Procedia Computer Science, 2016, 80, 1671-1681.	1.2	4
795	Probabilistic Wind Power Forecasting with Hybrid Artificial Neural Networks. Electric Power Components and Systems, 2016, 44, 1656-1668.	1.0	22
796	Online walking control system for biped robot with optimized learning mechanism: an experimental study. Nonlinear Dynamics, 2016, 86, 2035-2047.	2.7	6
797	Detection and classification of power quality event using wavelet transform and weighted extreme learning machine., 2016,,.		3
798	Robust Visual Knowledge Transfer via Extreme Learning Machine-Based Domain Adaptation. IEEE Transactions on Image Processing, 2016, 25, 4959-4973.	6.0	140
799	Statistical Learning Theory and ELM for Big Social Data Analysis. IEEE Computational Intelligence Magazine, 2016, 11, 45-55.	3.4	88

#	Article	IF	CITATIONS
800	A personalized recommender system using Machine Learning based Sentiment Analysis over social data. , $2016,  ,  .$		20
801	Mixture of autoregressive modeling orders and its implication on single trial EEG classification. Expert Systems With Applications, 2016, 65, 164-180.	4.4	35
802	Detection and classification of power quality event using hybrid wavelet-Hilbert transform and extreme learning machine. , 2016, , .		2
803	Extreme learning machine for fault detection and isolation in wind turbine. , 2016, , .		5
804	Application of PSO-ELM in electronic system fault diagnosis. , 2016, , .		9
805	Stacked Tensor Subspace Learning for hyperspectral image classification. , 2016, , .		1
806	Application of singular spectrum analysis and kernel-based extreme learning machine for stock price prediction. , 2016, , .		2
807	Extended hierarchical extreme learning machine with multilayer perceptron. , 2016, , .		4
808	Stochastic resonance induced continuous activation functions in a neural network consisting of threshold elements. , $2016$ , , .		0
809	Fast and Accurate Spatiotemporal Fusion Based Upon Extreme Learning Machine. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 2039-2043.	1.4	62
810	Pose-Invariant Object Recognition for Event-Based Vision with Slow-ELM. Lecture Notes in Computer Science, 2016, , 455-462.	1.0	0
811	Analyzing of flexible gripper by computational intelligence approach. Mechatronics, 2016, 40, 1-16.	2.0	26
812	Learning from Uncertainty for Big Data: Future Analytical Challenges and Strategies. IEEE Systems, Man, and Cybernetics Magazine, 2016, 2, 26-31.	1.2	63
813	An ELM-based classifier about MFL inspection of pipeline. , 2016, , .		4
814	Detection and classification of power quality event using wavelet transform and extreme learning machine. , 2016, , .		1
815	A three-way decision making approach to malware analysis using probabilistic rough sets. Information Sciences, 2016, 374, 193-209.	4.0	67
816	Stream-flow forecasting using extreme learning machines: A case study in a semi-arid region in Iraq. Journal of Hydrology, 2016, 542, 603-614.	2.3	257
817	Application of extreme learning machine and neural networks in total organic carbon content prediction in organic shale with wire line logs. Journal of Natural Gas Science and Engineering, 2016, 33, 687-702.	2.1	100

#	Article	IF	Citations
818	Illumination correction of dyeing products based on Grey-Edge and kernel extreme learning machine. Optik, 2016, 127, 7978-7985.	1.4	10
819	A novel spectral multivariate calibration approach based on a multiple fitting method. Analyst, The, 2016, 141, 5759-5766.	1.7	11
820	Intrusion Detection Based on IDBM. , 2016, , .		12
821	A kernel logistic neural network based on restricted Boltzmann machine. , 2016, , .		o
822	Single NMR image super-resolution based on extreme learning machine. Physica Medica, 2016, 32, 1331-1338.	0.4	0
823	Flow profile identification with multipath transducers. Flow Measurement and Instrumentation, 2016, 52, 148-156.	1.0	15
824	A self-adapting Landweber algorithm for the inverse problem of electrical capacitance tomography (ECT). , 2016, , .		4
825	Efficient computation of the Levenberg-Marquardt algorithm for feedforward networks with linear outputs. , $2016,  ,  .$		1
826	A coarse-to-fine feature selection method for accurate detection of cerebral small vessel disease. , 2016, , .		4
827	Improving accuracy of Gaussian mixture model classifiers with additional discriminative training. , 2016, , .		0
828	Video anomaly detection based on ULGP-OF descriptor and one-class ELM., 2016,,.		4
829	An ensemble of Extreme Learning Machine for prediction of wind force and moment coefficients in marine vessels. , 2016, , .		2
830	GPU classification of remote-sensing images using kernel ELM and extended morphological profiles. International Journal of Remote Sensing, 2016, 37, 5918-5935.	1.3	13
831	Healthcare Big Data Voice Pathology Assessment Framework. IEEE Access, 2016, 4, 7806-7815.	2.6	81
832	Direct heuristic dynamic programming design with extreme learning machine. , 2016, , .		3
833	A pruning algorithm for extreme learning machine based on sparse coding. , 2016, , .		2
834	Hydrogen Sulfide Solubility in Ionic Liquids (ILs): An Extensive Database and a New ELM Model Mainly Established by Imidazolium-Based ILs. Journal of Chemical & Established by Imidazolium-Based ILs. Journal of Chemical & Ingineering Data, 2016, 61, 3970-3978.	1.0	35
835	Predicting soil heavy metal based on Random Forest model. , 2016, , .		11

#	Article	IF	Citations
836	Traffic sign recognition based on weighted ELM and AdaBoost. Electronics Letters, 2016, 52, 1988-1990.	0.5	12
837	Single Image Super Resolution Through Multi Extreme Learning Machine Regressor Fusion. Communications in Computer and Information Science, 2016, , 133-146.	0.4	0
838	Three-dimensional modeling of physiological tremor for hand-held surgical robotic instruments. , 2016, 2016, 3708-3711.		0
839	An adaptive approach to better load balancing in a consumer-centric cloud environment. IEEE Transactions on Consumer Electronics, 2016, 62, 243-250.	3.0	19
840	Evaluation of different time domain peak models using extreme learning machine-based peak detection for EEG signal. SpringerPlus, 2016, 5, 1036.	1,2	7
841	Hyperspectral image supervised classification via multi-view nuclear norm based 2D PCA feature extraction and kernel ELM. , $2016,  ,  .$		10
842	A two-step fault diagnosis framework for rolling element bearings with imbalanced data. , 2016, , .		2
843	A New Method Combining KECA-LDA With ELM for Classification of Chinese Liquors Using Electronic Nose. IEEE Sensors Journal, 2016, 16, 8010-8017.	2.4	28
844	Performance analysis of classifiers for facial expression recognition under constrained settings. , 2016, , .		0
845	Construction of multi-class classifiers by Extreme Learning Machine based one-class classifiers. , 2016, , .		3
846	Word based dialect classification using extreme learning machines. , 2016, , .		3
847	One-class extreme learning machines for gas turbine combustor anomaly detection. , 2016, , .		24
848	Classification Based on Multilayer Extreme Learning Machine for Motor Imagery Task from EEG Signals. Procedia Computer Science, 2016, 88, 176-184.	1,2	37
849	A fusion framework for occupancy estimation in office buildings based on environmental sensor data. Energy and Buildings, 2016, 133, 790-798.	3.1	70
850	Estimation of in-situ bioremediation system cost using a hybrid Extreme Learning Machine (ELM)-particle swarm optimization approach. Journal of Hydrology, 2016, 543, 373-385.	2.3	49
851	A vision based traffic accident detection method using extreme learning machine. , $2016, \ldots$		12
852	Two-stage structured learning approach for stable occupancy detection. , 2016, , .		7
853	Quantification of relative contribution of Antarctic ozone depletion to increased austral extratropical precipitation during 1979–2013. Journal of Geophysical Research D: Atmospheres, 2016, 121, 1459-1474.	1.2	21

#	Article	IF	CITATIONS
854	Classification of hyperspectral image using multiscale spatial texture features. , 2016, , .		12
855	A scene recognition method using sparse features with layout-sensitive pooling and extreme learning machine. , 2016, , .		0
856	Correlation Based Extreme Learning Machine. , 2016, , .		1
857	Local extreme learning machine: local classification model for shape feature extraction. Neural Computing and Applications, 2016, 27, 2095-2105.	3.2	5
858	On the Use of Nominal and Ordinal Classifiers for the Discrimination of States of Development in Fish Oocytes. Neural Processing Letters, 2016, 44, 555-570.	2.0	4
859	Significant wave height and energy flux prediction for marine energy applications: A grouping genetic algorithm – Extreme Learning Machine approach. Renewable Energy, 2016, 97, 380-389.	4.3	82
860	Motor imagery EEG classification via Bayesian extreme learning machine. , 2016, , .		11
861	Convolutional hypercube pyramid for accurate RGB-D object category and instance recognition. , 2016,		24
862	Non-invasive hypoglycemia monitoring system using extreme learning machine for Type 1 diabetes. ISA Transactions, 2016, 64, 440-446.	3.1	48
863	An optimization method of extreme learning machine for regression. , 2016, , .		1
864	Machine Learning Techniques for the Estimation of Particle Size Distribution in Industrial Plants. Smart Innovation, Systems and Technologies, 2016, , 335-343.	0.5	3
865	A joint evaluation of different dimensionality reduction techniques, fusion and learning methods for action recognition. Neurocomputing, 2016, 214, 329-339.	3.5	5
866	An online sequential extreme learning machine for tidal prediction based on improved Gath–Geva fuzzy segmentation. Neurocomputing, 2016, 174, 85-98.	3.5	11
867	An efficient hybrid kernel extreme learning machine approach for early diagnosis of Parkinson׳s disease. Neurocomputing, 2016, 184, 131-144.	3.5	222
868	FP-ELM: An online sequential learning algorithm for dealing with concept drift. Neurocomputing, 2016, 207, 322-334.	3.5	47
869	A semi-supervised online sequential extreme learning machine method. Neurocomputing, 2016, 174, 168-178.	3.5	36
870	Stochastic gradient based extreme learning machines for stable online learning of advanced combustion engines. Neurocomputing, 2016, 177, 304-316.	3.5	37
871	Object Classification and Grasp Planning Using Visual and Tactile Sensing. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 969-979.	5.9	57

#	Article	IF	CITATIONS
872	Color-texture based extreme learning machines for tissue tumor classification., 2016,,.		3
873	Spatiotemporal representation of 3D skeleton joints-based action recognition using modified spherical harmonics. Pattern Recognition Letters, 2016, 83, 32-41.	2.6	26
874	A New Design Based-SVM of the CNN Classifier Architecture with Dropout for Offline Arabic Handwritten Recognition. Procedia Computer Science, 2016, 80, 1712-1723.	1.2	148
875	Blind source separation using higher order statistics in kernel space. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2016, 35, 289-304.	0.5	3
876	Prediction Intervals for Landslide Displacement Based on Switched Neural Networks. IEEE Transactions on Reliability, 2016, 65, 1483-1495.	3.5	30
877	SAR Image Change Detection Based on Correlation Kernel and Multistage Extreme Learning Machine. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5993-6006.	2.7	29
878	Multiple-kernel-learning-based extreme learning machine for classification design. Neural Computing and Applications, 2016, 27, 175-184.	3.2	35
879	On optimization based extreme learning machine in primal for regression and classification by functional iterative method. International Journal of Machine Learning and Cybernetics, 2016, 7, 707-728.	2.3	42
880	A novel kernel extreme learning machine algorithm based on self-adaptive artificial bee colony optimisation strategy. International Journal of Systems Science, 2016, 47, 1342-1357.	3.7	9
881	Graph Embedded Extreme Learning Machine. IEEE Transactions on Cybernetics, 2016, 46, 311-324.	6.2	86
882	Landmark recognition with compact BoW histogram and ensemble ELM. Multimedia Tools and Applications, 2016, 75, 2839-2857.	2.6	67
883	Efficient relation extraction method based on spatial feature using ELM. Neural Computing and Applications, 2016, 27, 271-281.	3.2	3
884	Manifold regularized extreme learning machine. Neural Computing and Applications, 2016, 27, 255-269.	3.2	22
885	Extreme logistic regression. Advances in Data Analysis and Classification, 2016, 10, 27-52.	0.9	15
886	Fault detection and diagnosis method for batch process based on ELM-based fault feature phase identification. Neural Computing and Applications, 2016, 27, 167-173.	3.2	11
887	Multi-agent Architecture for Corporate Operating Performance Assessment. Neural Processing Letters, 2016, 43, 115-132.	2.0	5
888	A recurrent neural network for modeling crack growth of aluminium alloy. Neural Computing and Applications, 2016, 27, 197-203.	3.2	11
889	Breast tumor detection in double views mammography based on extreme learning machine. Neural Computing and Applications, 2016, 27, 227-240.	3.2	25

#	Article	IF	CITATIONS
890	Artificial bee colony algorithm for clustering: an extreme learning approach. Soft Computing, 2016, 20, 3163-3176.	2.1	15
891	Multiscale Two-Directional Two-Dimensional Principal Component Analysis and Its Application to High-Dimensional Biomedical Signal Classification. IEEE Transactions on Biomedical Engineering, 2016, 63, 1416-1425.	2.5	13
892	Data and feature mixed ensemble based extreme learning machine for medical object detection and segmentation. Multimedia Tools and Applications, 2016, 75, 2815-2837.	2.6	26
893	Extreme Learning Machine for Multilayer Perceptron. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 809-821.	7.2	1,087
894	Feature Adaptive Online Sequential Extreme Learning Machine for lifelong indoor localization. Neural Computing and Applications, 2016, 27, 215-225.	3.2	35
895	Two-stage extreme learning machine for high-dimensional data. International Journal of Machine Learning and Cybernetics, 2016, 7, 765-772.	2.3	24
896	Extreme Learning Machine with Gaussian Kernel Based Relevance Feedback Scheme for Image Retrieval. Proceedings in Adaptation, Learning and Optimization, 2016, , 397-408.	1.5	5
897	Computational intelligence in wave energy: Comprehensive review and case study. Renewable and Sustainable Energy Reviews, 2016, 58, 1223-1246.	8.2	67
898	Multiclass Object Detection With Single Query in Hyperspectral Imagery Using Class-Associative Spectral Fringe-Adjusted Joint Transform Correlation. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 1196-1208.	2.7	11
899	Very Short-Term Nonparametric Probabilistic Forecasting of Renewable Energy Generation— With Application to Solar Energy. IEEE Transactions on Power Systems, 2016, 31, 3850-3863.	4.6	208
900	Two-Layer Extreme Learning Machine for Dimension Reduction. Proceedings in Adaptation, Learning and Optimization, 2016, , 31-42.	1.5	0
901	SVM and ELM: Who Wins? Object Recognition with Deep Convolutional Features from ImageNet. Proceedings in Adaptation, Learning and Optimization, 2016, , 249-263.	1.5	24
902	Multimodal Fusion Using Kernel-Based ELM for Video Emotion Recognition. Proceedings in Adaptation, Learning and Optimization, 2016, , 371-381.	1.5	2
904	A Fast Reduced Kernel Extreme Learning Machine. Neural Networks, 2016, 76, 29-38.	3.3	64
905	SVM–ELM: Pruning of Extreme Learning Machine with Support Vector Machines for Regression. Journal of Intelligent Systems, 2016, 25, 555-566.	1.2	6
906	Sparse Extreme Learning Machine for Regression. Proceedings in Adaptation, Learning and Optimization, 2016, , 471-490.	1.5	4
907	A novel extreme learning fault diagnosis based supervision applied to mathematical formula contrastive analysis. Neurocomputing, 2016, 177, 266-273.	3.5	1
908	Three-Layer Convex Network for Domain Adaptation in Multitemporal VHR Images. IEEE Geoscience and Remote Sensing Letters, 2016, , 1-5.	1.4	8

#	Article	IF	Citations
909	Building an Intrusion Detection System Using a Filter-Based Feature Selection Algorithm. IEEE Transactions on Computers, 2016, 65, 2986-2998.	2.4	436
910	Multi-modal Deep Extreme Learning Machine for Robotic Grasping Recognition. Proceedings in Adaptation, Learning and Optimization, 2016, , 223-233.	1.5	4
911	A 128-Channel Extreme Learning Machine-Based Neural Decoder for Brain Machine Interfaces. IEEE Transactions on Biomedical Circuits and Systems, 2016, 10, 679-692.	2.7	91
912	Land-use scene classification using multi-scale completed local binary patterns. Signal, Image and Video Processing, 2016, 10, 745-752.	1.7	132
913	An ELM based predictive control method for HCCI engines. Engineering Applications of Artificial Intelligence, 2016, 48, 106-118.	4.3	42
914	Comparison of combining methods using Extreme Learning Machines under small sample scenario. Neurocomputing, 2016, 174, 4-17.	3.5	10
915	Hybrid recursive least squares algorithm for online sequential identification using data chunks. Neurocomputing, 2016, 174, 651-660.	3.5	20
916	Sparse Bayesian mixed-effects extreme learning machine, an approach for unobserved clustered heterogeneity. Neurocomputing, 2016, 175, 411-420.	3.5	7
917	ODOC-ELM: Optimal decision outputs compensation-based extreme learning machine for classifying imbalanced data. Knowledge-Based Systems, 2016, 92, 55-70.	4.0	73
918	An algorithm for classification over uncertain data based on extreme learning machine. Neurocomputing, 2016, 174, 194-202.	3.5	15
919	Adaptive weighted imbalance learning with application to abnormal activity recognition. Neurocomputing, 2016, 173, 1927-1935.	3.5	88
920	A Reliable Hybrid Positioning Methodology for Land Vehicles Using Low-Cost Sensors. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 834-847.	4.7	35
921	Automated Opal Grading by Imaging and Statistical Learning. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 185-201.	5.9	10
922	Nyström-based approximate kernel subspace learning. Pattern Recognition, 2016, 57, 190-197.	5.1	23
923	Multilayer Extreme Learning Machine With Subnetwork Nodes for Representation Learning. IEEE Transactions on Cybernetics, 2016, 46, 2570-2583.	6.2	98
924	Regularized online sequential extreme learning machine with adaptive regulation factor for time-varying nonlinear system. Neurocomputing, 2016, 174, 617-626.	3.5	18
925	A Fast Adaptive Tunable RBF Network For Nonstationary Systems. IEEE Transactions on Cybernetics, 2016, 46, 2683-2692.	6.2	43
926	Pattern identification of biomedical images with time series: Contrasting THz pulse imaging with DCE-MRIs. Artificial Intelligence in Medicine, 2016, 67, 1-23.	3.8	19

#	Article	IF	CITATIONS
927	Multi-layer Online Sequential Extreme Learning Machine for Image Classification. Proceedings in Adaptation, Learning and Optimization, 2016, , 39-49.	1.5	12
928	Landslide Displacement Prediction With Uncertainty Based on Neural Networks With Random Hidden Weights. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2683-2695.	7.2	54
929	Improvements on parsimonious extreme learning machine using recursive orthogonal least squares. Neurocomputing, 2016, 191, 82-94.	3.5	9
930	Calibration transfer via an extreme learning machine auto-encoder. Analyst, The, 2016, 141, 1973-1980.	1.7	55
931	An Incremental Type-2 Meta-Cognitive Extreme Learning Machine. IEEE Transactions on Cybernetics, 2016, 47, 1-15.	6.2	55
932	An experimental comparison between KELM and CART for crop classification using Landsat-8 OLI data. Geocarto International, 2016, , 1-11.	1.7	11
934	ELM Regularized Method for Classification Problems. International Journal on Artificial Intelligence Tools, 2016, 25, 1550026.	0.7	8
935	Online sequential reduced kernel extreme learning machine. Neurocomputing, 2016, 174, 72-84.	3.5	28
936	An extreme learning machine approach for modeling evapotranspiration using extrinsic inputs. Computers and Electronics in Agriculture, 2016, 121, 385-392.	3.7	104
937	Evaluating Confidence Intervals for ELM Predictions. Proceedings in Adaptation, Learning and Optimization, 2016, , 413-422.	1.5	1
938	Cluster-Based Outlier Detection Using Unsupervised Extreme Learning Machines. Proceedings in Adaptation, Learning and Optimization, 2016, , 135-146.	1.5	3
939	Learning With $\  _{1}\$ -Regularizer Based on Markov Resampling. IEEE Transactions on Cybernetics, 2016, 46, 1189-1201.	6.2	7
940	Reinforced Extreme Learning Machines for Fast Robust Regression in the Presence of Outliers. IEEE Transactions on Cybernetics, 2016, 46, 3351-3363.	6.2	17
941	Low-Discrepancy Points for Deterministic Assignment of Hidden Weights in Extreme Learning Machines. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 891-896.	7.2	16
942	A remote quantitative Fugl-Meyer assessment framework for stroke patients based on wearable sensor networks. Computer Methods and Programs in Biomedicine, 2016, 128, 100-110.	2.6	97
943	Extreme learning machine for out-of-sample extension in Laplacian eigenmaps. Pattern Recognition Letters, 2016, 74, 68-73.	2.6	9
944	KELMC: An Improved K-Means Clustering Method Using Extreme Learning Machine. Proceedings in Adaptation, Learning and Optimization, 2016, , 273-283.	1.5	1
945	Partially Connected ELM for Fast and Effective Scene Classification. Proceedings in Adaptation, Learning and Optimization, 2016, , 19-29.	1.5	0

#	Article	IF	CITATIONS
946	Classification of Hyperspectral Remote Sensing Image Using Hierarchical Local-Receptive-Field-Based Extreme Learning Machine. IEEE Geoscience and Remote Sensing Letters, 2016, , 1-5.	1.4	23
947	A review of Computational Intelligence techniques in coral reef-related applications. Ecological Informatics, 2016, 32, 107-123.	2.3	12
948	Extended Metacognitive Neuro-Fuzzy Inference System for Biometric Identification. Studies in Computational Intelligence, 2016, , 309-338.	0.7	0
949	Extreme Learning Machine With Subnetwork Hidden Nodes for Regression and Classification. IEEE Transactions on Cybernetics, 2016, 46, 2885-2898.	6.2	44
950	Visual Voice Activity Detection in the Wild. IEEE Transactions on Multimedia, 2016, 18, 967-977.	5.2	24
951	An Intelligent Decision System for Intraoperative Somatosensory Evoked Potential Monitoring. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 300-307.	2.7	15
952	Rock slope stability analyses using extreme learning neural network and terminal steepest descent algorithm. Automation in Construction, 2016, 65, 42-50.	4.8	38
953	Driver Distraction Detection Using Semi-Supervised Machine Learning. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 1108-1120.	4.7	167
954	Ensemble based extreme learning machine for cross-modality face matching. Multimedia Tools and Applications, 2016, 75, 11831-11846.	2.6	10
955	An ensemble approach for short-term load forecasting by extreme learning machine. Applied Energy, 2016, 170, 22-29.	5.1	189
956	Mixed-kernel based weighted extreme learning machine for inertial sensor based human activity recognition with imbalanced dataset. Neurocomputing, 2016, 190, 35-49.	3.5	78
957	A WSN-based prediction model of microclimate in a greenhouse using extreme learning approaches. , 2016, , .		7
959	Cancer classification by correntropy-based sparse compact incremental learning machine. Gene Reports, 2016, 3, 31-38.	0.4	4
961	Two-hidden-layer extreme learning machine for regression and classification. Neurocomputing, 2016, 175, 826-834.	3.5	88
962	Prediction-Based Multi-Objective Optimization for Oil Purchasing and Distribution with the NSGA-II Algorithm. International Journal of Information Technology and Decision Making, 2016, 15, 423-451.	2.3	20
963	Differential evolution-based feature selection and parameter optimisation for extreme learning machine in tool wear estimation. International Journal of Production Research, 2016, 54, 4703-4721.	4.9	29
964	Extreme Learning Machine Based Adaptive Distance Relaying Scheme for Static Synchronous Series Compensator Based Transmission Lines. Electric Power Components and Systems, 2016, 44, 219-232.	1.0	8
965	The Distance-Based Representative Skyline Calculation Using Unsupervised Extreme Learning Machines. Proceedings in Adaptation, Learning and Optimization, 2016, , 107-119.	1.5	1

#	Article	IF	CITATIONS
966	A Semi-supervised Low Rank Kernel Learning Algorithm via Extreme Learning Machine. Proceedings in Adaptation, Learning and Optimization, 2016, , 279-292.	1.5	1
967	Feature Selection and Modelling of a Steam Turbine from a Combined Heat and Power Plant Using ELM. Proceedings in Adaptation, Learning and Optimization, 2016, , 435-445.	1.5	0
968	An improved ELM algorithm for the measurement of hot metal temperature in blast furnace. Neurocomputing, 2016, 174, 232-237.	3.5	46
969	A Classification Algorithm for Electroencephalography Signals by Self-Induced Emotional Stimuli. IEEE Transactions on Cybernetics, 2016, 46, 3171-3180.	6.2	39
970	Probabilistic threshold query optimization based on threshold classification using ELM for uncertain data. Neurocomputing, 2016, 174, 211-219.	3.5	8
971	Modeling and reduction of NOX emissions for a 700ÂMW coal-fired boiler with the advanced machine learning method. Energy, 2016, 94, 672-679.	4.5	101
972	Parallel Multi-graph Classification Using Extreme Learning Machine and MapReduce. Proceedings in Adaptation, Learning and Optimization, 2016, , 77-92.	1.5	2
973	SIM-ELM: Connecting the ELM model with similarity-function learning. Neural Networks, 2016, 74, 22-34.	3.3	9
974	A-ELMâŽ: Adaptive Distributed Extreme Learning Machine with MapReduce. Neurocomputing, 2016, 174, 368-374.	3.5	22
975	Binarization With Boosting and Oversampling for Multiclass Classification. IEEE Transactions on Cybernetics, 2016, 46, 1078-1091.	6.2	38
976	A Robust Indoor Positioning System Based on the Procrustes Analysis and Weighted Extreme Learning Machine. IEEE Transactions on Wireless Communications, 2016, 15, 1252-1266.	6.1	159
977	Fuzzy performance evaluation of Evolutionary Algorithms based on extreme learning classifier. Neurocomputing, 2016, 175, 371-382.	3.5	2
978	Manifold learning in local tangent space via extreme learning machine. Neurocomputing, 2016, 174, 18-30.	3.5	20
979	Audio-visual emotion recognition using multi-directional regression and Ridgelet transform. Journal on Multimodal User Interfaces, 2016, 10, 325-333.	2.0	62
980	A fast training algorithm for extreme learning machine based on matrix decomposition. Neurocomputing, 2016, 173, 1951-1958.	3.5	9
981	Gradient-based no-reference image blur assessment using extreme learning machine. Neurocomputing, 2016, 174, 310-321.	3.5	28
982	Gait recognition method for arbitrary straight walking paths using appearance conversion machine. Neurocomputing, 2016, 173, 530-540.	3.5	15
983	Extreme learning machine based transfer learning for data classification. Neurocomputing, 2016, 174, 203-210.	3.5	64

#	Article	IF	CITATIONS
984	A Fast SVD-Hidden-nodes based Extreme Learning Machine for Large-Scale Data Analytics. Neural Networks, 2016, 77, 14-28.	3.3	34
985	Extreme Learning Surrogate Models in Multi-objective Optimization based on Decomposition. Neurocomputing, 2016, 180, 55-67.	3.5	23
986	Fault classification in SEIG system using Hilbert-Huang transform and least square support vector machine. International Journal of Electrical Power and Energy Systems, 2016, 76, 11-22.	3.3	31
987	Inductive bias for semi-supervised extreme learning machine. Neurocomputing, 2016, 174, 154-167.	3.5	7
988	Identifying (Quasi) Equally Informative Subsets in Feature Selection Problems for Classification: A Max-Relevance Min-Redundancy Approach. IEEE Transactions on Cybernetics, 2016, 46, 1424-1437.	6.2	42
989	A Constrained Optimization based Extreme Learning Machine for noisy data regression. Neurocomputing, 2016, 171, 1431-1443.	3.5	30
990	Automatic Assessment of Pathological Voice Quality Using Multidimensional Acoustic Analysis Based on the GRBAS Scale. Journal of Signal Processing Systems, 2016, 82, 241-251.	1.4	24
991	A Novel Extreme Learning Control Framework of Unmanned Surface Vehicles. IEEE Transactions on Cybernetics, 2016, 46, 1106-1117.	6.2	88
992	An Efficient Leave-One-Out Cross-Validation-Based Extreme Learning Machine (ELOO-ELM) With Minimal User Intervention. IEEE Transactions on Cybernetics, 2016, 46, 1939-1951.	6.2	40
993	Random Fourier extreme learning machine with <mml:math altimg="si0002.gif" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mo>â,,"</mml:mo></mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml< td=""><td>nml:mn&gt;&lt;</td><td>m771:mo&gt;, (</td></mml<></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:msub></mml:math>	nml:mn><	m771:mo>, (
994	PR-ELM: Parallel regularized extreme learning machine based on cluster. Neurocomputing, 2016, 173, 1073-1081.	3.5	39
995	MI-ELM: Highly efficient multi-instance learning based on hierarchical extreme learning machine. Neurocomputing, 2016, 173, 1044-1053.	3.5	15
996	Endowing a Content-Based Medical Image Retrieval System with Perceptual Similarity Using Ensemble Strategy. Journal of Digital Imaging, 2016, 29, 22-37.	1.6	18
997	Incremental regularized extreme learning machine and it×3s enhancement. Neurocomputing, 2016, 174, 134-142.	3.5	31
998	Enforcement of the principal component analysis–extreme learning machine algorithm by linear discriminant analysis. Neural Computing and Applications, 2016, 27, 1749-1760.	3.2	5
999	Extreme learning machine for time sequence classification. Neurocomputing, 2016, 174, 322-330.	3.5	16
1000	Parallel ensemble of online sequential extreme learning machine based on MapReduce. Neurocomputing, 2016, 174, 352-367.	3.5	39
1001	Breast mass classification in digital mammography based on extreme learning machine. Neurocomputing, 2016, 173, 930-941.	<b>3.</b> 5	122

#	Article	IF	Citations
1002	Optimization of Potable Water Distribution and Wastewater Collection Networks: A Systematic Review and Future Research Directions. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 659-681.	5.9	46
1003	Online Sequential Extreme Learning Machine for watermarking in DWT domain. Neurocomputing, 2016, 174, 238-249.	3.5	21
1004	An efficient and effective convolutional auto-encoder extreme learning machine network for 3d feature learning. Neurocomputing, 2016, 174, 988-998.	3.5	78
1005	Decomposition Techniques for Multilayer Perceptron Training. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2146-2159.	7.2	24
1006	A hybrid switching predictive controller based on bi-level kernel-based ELM and online trajectory builder for automotive coldstart emissions reduction. Neurocomputing, 2016, 173, 1124-1141.	3.5	6
1007	An unsupervised discriminative extreme learning machine and its applications to data clustering. Neurocomputing, 2016, 174, 250-264.	3.5	33
1008	Relevance Vector Machine for Survival Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 648-660.	7.2	28
1009	Comparison of modified teaching–learning-based optimization and extreme learning machine for classification of multiple power signal disturbances. Neural Computing and Applications, 2016, 27, 2107-2122.	3.2	19
1010	Dynamic texture video classification using extreme learning machine. Neurocomputing, 2016, 174, 278-285.	3.5	17
1011	Building feature space of extreme learning machine with sparse denoising stacked-autoencoder. Neurocomputing, 2016, 174, 60-71.	3.5	48
1012	Sparse Bayesian extreme learning committee machine for engine simultaneous fault diagnosis. Neurocomputing, 2016, 174, 331-343.	3.5	63
1013	RFID-enabled indoor positioning method for a real-time manufacturing execution system using OS-ELM. Neurocomputing, 2016, 174, 121-133.	3.5	61
1014	Regression and classification using extreme learning machine based on L1-norm and L2-norm. Neurocomputing, 2016, 174, 179-186.	3.5	93
1015	Sequential active learning using meta-cognitive extreme learning machine. Neurocomputing, 2016, 173, 835-844.	3.5	25
1016	Learning Hierarchical Spectral–Spatial Features for Hyperspectral Image Classification. IEEE Transactions on Cybernetics, 2016, 46, 1667-1678.	6.2	111
1017	Inverse-Free Extreme Learning Machine With Optimal Information Updating. IEEE Transactions on Cybernetics, 2016, 46, 1229-1241.	6.2	111
1018	A Novel Wavelet-Based Ensemble Method for Short-Term Load Forecasting with Hybrid Neural Networks and Feature Selection. IEEE Transactions on Power Systems, 2016, 31, 1788-1798.	4.6	181
1019	Knowledge-based extreme learning machines. Neural Computing and Applications, 2016, 27, 1629-1641.	3.2	5

#	Article	IF	Citations
1020	Robust Extreme Learning Machine With its Application to Indoor Positioning. IEEE Transactions on Cybernetics, 2016, 46, 194-205.	6.2	97
1021	Two Machine Learning Approaches for Short-Term Wind Speed Time-Series Prediction. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1734-1747.	7.2	124
1022	Transfer learning for short-term wind speed prediction with deep neural networks. Renewable Energy, 2016, 85, 83-95.	4.3	348
1023	Combining modality-specific extreme learning machines for emotion recognition in the wild. Journal on Multimodal User Interfaces, 2016, 10, 139-149.	2.0	28
1024	Extend semi-supervised ELM and a frame work. Neural Computing and Applications, 2016, 27, 205-213.	3.2	6
1025	HSR: L 1/2-regularized sparse representation for fast face recognition using hierarchical feature selection. Neural Computing and Applications, 2016, 27, 305-320.	3.2	6
1026	A Robust Extreme Learning Machine for pattern classification with outliers. Neurocomputing, 2016, 176, 3-13.	3.5	32
1027	Unsupervised Feature Learning Classification With Radial Basis Function Extreme Learning Machine Using Graphic Processors. IEEE Transactions on Cybernetics, 2017, 47, 224-231.	6.2	23
1028	The classification of imbalanced large data sets based on MapReduce and ensemble of ELM classifiers. International Journal of Machine Learning and Cybernetics, 2017, 8, 1009-1017.	2.3	87
1029	Microexpression Identification and Categorization Using a Facial Dynamics Map. IEEE Transactions on Affective Computing, 2017, 8, 254-267.	5.7	185
1030	Real-Time Traffic Light Recognition Based on Smartphone Platforms. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 1118-1131.	5.6	12
1031	Extreme learning machine with kernel model based on deep learning. Neural Computing and Applications, 2017, 28, 1975-1984.	3.2	54
1032	Scene text detection using adaptive color reduction, adjacent character model and hybrid verification strategy. Visual Computer, 2017, 33, 113-126.	2.5	23
1033	An ELM-based model with sparse-weighting strategy for sequential data imbalance problem. International Journal of Machine Learning and Cybernetics, 2017, 8, 1333-1345.	2.3	47
1034	An Efficient Method for Traffic Sign Recognition Based on Extreme Learning Machine. IEEE Transactions on Cybernetics, 2017, 47, 920-933.	6.2	227
1035	NMF-Based Image Quality Assessment Using Extreme Learning Machine. IEEE Transactions on Cybernetics, 2017, 47, 232-243.	6.2	68
1036	An Effective Computational Model for Bankruptcy Prediction Using Kernel Extreme Learning Machine Approach. Computational Economics, 2017, 49, 325-341.	1.5	74
1037	Efficient shape classification using region descriptors. Multimedia Tools and Applications, 2017, 76, 83-102.	2.6	5

#	Article	IF	CITATIONS
1038	Study on suitability and importance of multilayer extreme learning machine for classification of text data. Soft Computing, 2017, 21, 4239-4256.	2.1	31
1039	Extreme learning machine for indoor location fingerprinting. Multidimensional Systems and Signal Processing, 2017, 28, 867-883.	1.7	11
1040	Remote sensing image classification using extreme learning machine-guided collaborative coding. Multidimensional Systems and Signal Processing, 2017, 28, 835-850.	1.7	0
1041	Encrypted image classification based on multilayer extreme learning machine. Multidimensional Systems and Signal Processing, 2017, 28, 851-865.	1.7	28
1042	Forecasting effective drought index using a wavelet extreme learning machine (W-ELM) model. Stochastic Environmental Research and Risk Assessment, 2017, 31, 1211-1240.	1.9	173
1043	NMR image segmentation based on Unsupervised Extreme Learning Machine. Multidimensional Systems and Signal Processing, 2017, 28, 1013-1030.	1.7	3
1044	Extreme learning machine with multi-scale local receptive fields for texture classification. Multidimensional Systems and Signal Processing, 2017, 28, 995-1011.	1.7	18
1045	Routing tree maintenance based on trajectory prediction in mobile sensor networks. Memetic Computing, 2017, 9, 109-120.	2.7	0
1046	Using ELM-based weighted probabilistic model in the classification of synchronous EEG BCI. Medical and Biological Engineering and Computing, 2017, 55, 33-43.	1.6	6
1047	Relevance vector machines using weighted expected squared distance for ore grade estimation with incomplete data. International Journal of Machine Learning and Cybernetics, 2017, 8, 1655-1666.	2.3	5
1048	A Grassmannian Approach to Address View Change Problem in Gait Recognition. IEEE Transactions on Cybernetics, 2017, 47, 1395-1408.	6.2	33
1049	A new framework for intelligent simultaneous-fault diagnosis of rotating machinery using pairwise-coupled sparse Bayesian extreme learning committee machine. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2017, 231, 1146-1161.	1.1	9
1050	Robust discriminative extreme learning machine for relevance feedback in image retrieval. Multidimensional Systems and Signal Processing, 2017, 28, 1071-1089.	1.7	9
1051	VLSI Extreme Learning Machine: A Design Space Exploration. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2017, 25, 60-74.	2.1	35
1052	Unsupervised extreme learning machine and support vector regression hybrid model for predicting energy commodity futures index. Memetic Computing, 2017, 9, 333-346.	2.7	20
1053	A subspace ensemble framework for classification with high dimensional missing data. Multidimensional Systems and Signal Processing, 2017, 28, 1309-1324.	1.7	13
1054	Multi-task clustering ELM for VIS-NIR cross-modal feature learning. Multidimensional Systems and Signal Processing, 2017, 28, 905-920.	1.7	20
1055	An efficient parallel method for batched OS-ELM training using MapReduce. Memetic Computing, 2017, 9, 183-197.	2.7	6

#	Article	IF	CITATIONS
1056	Robotic grasping recognition using multi-modal deep extreme learning machine. Multidimensional Systems and Signal Processing, 2017, 28, 817-833.	1.7	28
1057	Extreme learning machine-based surrogate model for analyzing system reliability of soil slopes. European Journal of Environmental and Civil Engineering, 2017, 21, 1341-1362.	1.0	28
1058	M-estimator-based online sequential extreme learning machine for predicting chaotic time series with outliers. Neural Computing and Applications, 2017, 28, 4093-4110.	3.2	16
1059	Denoising deep extreme learning machine for sparse representation. Memetic Computing, 2017, 9, 199-212.	2.7	14
1060	Selection of effective training instances for scalable automatic image annotation. Multimedia Tools and Applications, 2017, 76, 9643-9666.	2.6	3
1061	An enhance excavation equipments classification algorithm based on acoustic spectrum dynamic feature. Multidimensional Systems and Signal Processing, 2017, 28, 921-943.	1.7	35
1062	A kernel extreme learning machine algorithm based on improved particle swam optimization. Memetic Computing, 2017, 9, 121-128.	2.7	42
1063	Highly Efficient Framework for Predicting Interactions Between Proteins. IEEE Transactions on Cybernetics, 2017, 47, 731-743.	6.2	107
1064	Mapping mineral prospectivity using an extreme learning machine regression. Ore Geology Reviews, 2017, 80, 200-213.	1.1	109
1065	An Extreme Learning Machine Approach to Density Estimation Problems. IEEE Transactions on Cybernetics, 2017, 47, 3254-3265.	6.2	15
1066	Day-Ahead Financial Loss/Gain Modeling and Prediction for a Generation Company. IEEE Transactions on Power Systems, 2017, 32, 3360-3372.	4.6	16
1067	Forest fire spread simulating model using cellular automaton with extreme learning machine. Ecological Modelling, 2017, 348, 33-43.	1.2	59
1068	Resistance spot welding quality identification with particle swarm optimization and a kernel extreme learning machine model. International Journal of Advanced Manufacturing Technology, 2017, 91, 1879-1887.	1.5	23
1069	Application of ELM to predict the coagulant dosing in water treatment plants. Water Science and Technology: Water Supply, 2017, 17, 1053-1061.	1.0	7
1070	Energy saving and prediction modeling of petrochemical industries: A novel ELM based on FAHP. Energy, 2017, 122, 350-362.	4.5	61
1071	Extreme Learning Machine for Huge Hypotheses Re-ranking in Statistical Machine Translation. Cognitive Computation, 2017, 9, 285-294.	3.6	11
1072	Excavation equipment classification based on improved MFCC features and ELM. Neurocomputing, 2017, 261, 231-241.	3.5	39
1073	Occupancy estimation with environmental sensing via non-iterative LRF feature learning in time and frequency domains. Energy and Buildings, 2017, 141, 125-133.	3.1	22

#	Article	IF	CITATIONS
1074	Online sequential ELM algorithm with forgetting factor for real applications. Neurocomputing, 2017, 261, 144-152.	3.5	34
1075	On the construction of extreme learning machine for online and offline one-class classification—An expanded toolbox. Neurocomputing, 2017, 261, 126-143.	3 <b>.</b> 5	35
1076	Deep object recognition across domains based on adaptive extreme learning machine. Neurocomputing, 2017, 239, 194-203.	3.5	50
1077	Dynamic adjustment of hidden layer structure for convex incremental extreme learning machine. Neurocomputing, 2017, 261, 83-93.	3.5	5
1078	Intelligent Early Warning of Power System Dynamic Insecurity Risk: Toward Optimal Accuracy-Earliness Tradeoff. IEEE Transactions on Industrial Informatics, 2017, 13, 2544-2554.	7.2	85
1079	Ensemble-Based Risk Scoring with Extreme Learning Machine for Prediction of Adverse Cardiac Events. Cognitive Computation, 2017, 9, 545-554.	3.6	21
1080	Very short-term reactive forecasting of the solar ultraviolet index using an extreme learning machine integrated with the solar zenith angle. Environmental Research, 2017, 155, 141-166.	3.7	69
1081	Instance cloned extreme learning machine. Pattern Recognition, 2017, 68, 52-65.	5.1	45
1082	Parallel multi-graph classification using extreme learning machine and MapReduce. Neurocomputing, 2017, 261, 171-183.	3.5	10
1083	Classification of agricultural soil parameters in India. Computers and Electronics in Agriculture, 2017, 135, 269-279.	3.7	62
1084	Calculating Value-at-Risk for high-dimensional time series using a nonlinear random mapping model. Economic Modelling, 2017, 67, 355-367.	1.8	13
1085	A Generalized Logistic Link Function for Cumulative Link Models in Ordinal Regression. Neural Processing Letters, 2017, 46, 251-269.	2.0	5
1086	A parallel approximate SS-ELM algorithm based on MapReduce for large-scale datasets. Journal of Parallel and Distributed Computing, 2017, 108, 85-94.	2.7	12
1087	Sparse Hilbert Schmidt Independence Criterion and Surrogate-Kernel-Based Feature Selection for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 2385-2398.	2.7	61
1088	Concrete dam deformation prediction model for health monitoring based on extreme learning machine. Structural Control and Health Monitoring, 2017, 24, e1997.	1.9	154
1089	Video-based emotion recognition in the wild using deep transfer learning and score fusion. Image and Vision Computing, 2017, 65, 66-75.	2.7	174
1090	A variable-structure online sequential extreme learning machine for time-varying system prediction. Neurocomputing, 2017, 261, 115-125.	3.5	10
1091	Sparse coding extreme learning machine for classification. Neurocomputing, 2017, 261, 50-56.	3.5	39

#	Article	IF	CITATIONS
1092	Class-specific cost regulation extreme learning machine for imbalanced classification. Neurocomputing, 2017, 261, 70-82.	3.5	124
1093	Dynamic extreme learning machine for data stream classification. Neurocomputing, 2017, 238, 433-449.	3.5	88
1094	Dolphin Swarm Extreme Learning Machine. Cognitive Computation, 2017, 9, 275-284.	3.6	27
1095	Using Anticipative Hybrid Extreme Rotation Forest to predict emergency service readmission risk. Journal of Computational Science, 2017, 20, 154-161.	1.5	11
1096	Semisupervised Incremental Support Vector Machine Learning Based on Neighborhood Kernel Estimation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2677-2687.	5.9	22
1097	Early warning modeling and analysis based on analytic hierarchy process integrated extreme learning machine (AHP-ELM): Application to food safety. Food Control, 2017, 78, 33-42.	2.8	46
1098	Ladle furnace temperature prediction model based on large-scale data with random forest. IEEE/CAA Journal of Automatica Sinica, 2017, 4, 770-774.	8.5	30
1099	Online identification of Takagi–Sugeno fuzzy models based on self-adaptive hierarchical particle swarm optimization algorithm. Applied Mathematical Modelling, 2017, 45, 606-620.	2.2	37
1100	In-flight adaptive modeling using polynomial LPV approach for turbofan engine dynamic behavior. Aerospace Science and Technology, 2017, 64, 223-236.	2.5	37
1101	An efficient multiple classifier system for Arabic handwritten words recognition. Pattern Recognition Letters, 2017, 93, 123-132.	2.6	29
1102	Online sequential prediction of imbalance data with two-stage hybrid strategy by extreme learning machine. Neurocomputing, 2017, 261, 94-105.	3.5	22
1103	Optimization extreme learning machine with $\hat{l}\frac{1}{2}$ regularization. Neurocomputing, 2017, 261, 11-19.	3.5	11
1104	Sensitivity analysis of the factors affecting the discharge capacity of side weirs in trapezoidal channels using extreme learning machines. Flow Measurement and Instrumentation, 2017, 54, 216-223.	1.0	54
1105	Distributed extreme learning machine with alternating direction method of multiplier. Neurocomputing, 2017, 261, 164-170.	3.5	25
1106	Effective visual tracking by pairwise metric learning. Neurocomputing, 2017, 261, 266-275.	3.5	6
1107	Ensemble application of convolutional neural networks and multiple kernel learning for multimodal sentiment analysis. Neurocomputing, 2017, 261, 217-230.	3.5	167
1108	Discriminative extreme learning machine with supervised sparsity preserving for image classification. Neurocomputing, 2017, 261, 242-252.	3.5	69
1109	Dual-layer kernel extreme learning machine for action recognition. Neurocomputing, 2017, 260, 123-130.	3.5	34

#	Article	IF	Citations
1110	Decay-weighted extreme learning machine for balance and optimization learning. Machine Vision and Applications, 2017, 28, 743-753.	1.7	4
1111	Identification of ISL Alphabets Using Discrete Orthogonal Moments. Wireless Personal Communications, 2017, 95, 4823-4845.	1.8	8
1112	A novel hybrid model based on least square support vector machine and weight coefficients optimization: A case study of short-term electric load forecasting. Journal of Renewable and Sustainable Energy, $2017, 9, .$	0.8	5
1113	A Jacobian Matrix-Based Learning Machine and Its Applications in Medical Diagnosis. IEEE Access, 2017, 5, 20036-20045.	2.6	1
1114	Fine-grained action recognition of boxing punches from depth imagery. Computer Vision and Image Understanding, 2017, 159, 143-153.	3.0	22
1115	A CRO-species optimization scheme for robust global solar radiation statistical downscaling. Renewable Energy, 2017, 111, 63-76.	4.3	28
1116	Regularized extreme learning adaptive neuro-fuzzy algorithm for regression and classification. Knowledge-Based Systems, 2017, 127, 100-113.	4.0	45
1117	Facial beauty analysis based on geometric feature: Toward attractiveness assessment application. Expert Systems With Applications, 2017, 82, 252-265.	4.4	32
1118	Automated detection of heart ailments from 12â€lead ECG using complex wavelet subâ€band biâ€spectrum features. Healthcare Technology Letters, 2017, 4, 57-63.	1.9	21
1119	A multi-label classification algorithm based on kernel extreme learning machine. Neurocomputing, 2017, 260, 313-320.	3.5	89
1120	Grey wolf optimization evolving kernel extreme learning machine: Application to bankruptcy prediction. Engineering Applications of Artificial Intelligence, 2017, 63, 54-68.	4.3	154
1121	Toward an optimal kernel extreme learning machine using a chaotic moth-flame optimization strategy with applications in medical diagnoses. Neurocomputing, 2017, 267, 69-84.	3.5	401
1122	Online Performance Monitoring and Modeling Paradigm Based on Just-in-Time Learning and Extreme Learning Machine for a Non-Gaussian Chemical Process. Industrial & Engineering Chemistry Research, 2017, 56, 6671-6684.	1.8	43
1123	Volumetric Directional Pattern for Spatial Feature Extraction in Hyperspectral Imagery. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1056-1060.	1.4	13
1124	Common Subspace Learning via Cross-Domain Extreme Learning Machine. Cognitive Computation, 2017, 9, 555-563.	3.6	25
1125	Band selection for hyperspectral image classification using extreme learning machine. Proceedings of SPIE, 2017, , .	0.8	4
1126	Length-Changeable Incremental Extreme Learning Machine. Journal of Computer Science and Technology, 2017, 32, 630-643.	0.9	14
1127	Neuron Pruning-Based Discriminative Extreme Learning Machine for Pattern Classification. Cognitive Computation, 2017, 9, 581-595.	3.6	35

#	Article	IF	CITATIONS
1128	Cascaded re-ranking modelling of translation hypotheses using extreme learning machines. Applied Soft Computing Journal, 2017, 58, 681-689.	4.1	2
1129	Indian sign language recognition using Krawtchouk moment-based local features. Imaging Science Journal, 2017, 65, 171-179.	0.2	17
1130	Dynamic Delay Predictions for Large-Scale Railway Networks: Deep and Shallow Extreme Learning Machines Tuned via Thresholdout. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2754-2767.	5.9	72
1131	Online Spatiotemporal Extreme Learning Machine for Complex Time-Varying Distributed Parameter Systems. IEEE Transactions on Industrial Informatics, 2017, 13, 1753-1762.	7.2	36
1132	GPU-Accelerated Parallel Hierarchical Extreme Learning Machine on Flink for Big Data. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2740-2753.	5.9	92
1133	Fusing Local and Global Features for High-Resolution Scene Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 2889-2901.	2.3	151
1134	On the comparison of random and Hebbian weights for the training of single-hidden layer feedforward neural networks. Expert Systems With Applications, 2017, 83, 177-186.	4.4	3
1135	Big Data Management in Neural Implants: The Neuromorphic Approach. , 2017, , 293-311.		5
1136	Global Sensitivity Estimates for Neural Network Classifiers. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2592-2604.	7.2	66
1137	SLT-Based ELM for Big Social Data Analysis. Cognitive Computation, 2017, 9, 259-274.	3.6	11
1138	Feed forward neural network with random quaternionic neurons. Signal Processing, 2017, 136, 59-68.	2.1	38
1139	A fault location technique for HVDC transmission lines using extreme learning machines. , 2017, , .		11
1140	Emotion, age, and gender classification in children's speech by humans and machines. Computer Speech and Language, 2017, 46, 268-283.	2.9	38
1141	Development and coupling analysis of active skin antenna. Smart Materials and Structures, 2017, 26, 025011.	1.8	11
1142	Intelligent fault diagnosis of photovoltaic arrays based on optimized kernel extreme learning machine and I-V characteristics. Applied Energy, 2017, 204, 912-931.	5.1	243
1143	Assessment of high pressure processed mandarin juice in the headspace by using electronic nose and chemometric analysis. Innovative Food Science and Emerging Technologies, 2017, 42, 33-41.	2.7	28
1144	Efficient shear stress distribution detection in circular channels using Extreme Learning Machines and the M5 model tree algorithm. Urban Water Journal, 2017, 14, 999-1006.	1.0	10
1145	Predicting of Job Failure in Compute Cloud Based on Online Extreme Learning Machine: A Comparative Study. IEEE Access, 2017, 5, 9359-9368.	2.6	21

#	Article	IF	CITATIONS
1146	An Adaptive Extreme Learning Machine for Modeling NOx Emission of a 300 MW Circulating Fluidized Bed Boiler. Neural Processing Letters, 2017, 46, 643-662.	2.0	4
1147	Quantitative analysis of yeast growth process based on FT-NIR spectroscopy integrated with Gaussian mixture regression. RSC Advances, 2017, 7, 24988-24994.	1.7	17
1148	Action Recognition Using 3D Histograms of Texture and A Multi-Class Boosting Classifier. IEEE Transactions on Image Processing, 2017, 26, 4648-4660.	6.0	137
1149	Discriminating forchlorfenuron-treated kiwifruits using a portable spectrometer and Vis/NIR diffuse transmittance spectroscopy technology. Analytical Methods, 2017, 9, 4207-4214.	1.3	17
1150	Computational framework for emotional VAD prediction using regularized Extreme Learning Machine. International Journal of Multimedia Information Retrieval, 2017, 6, 251-261.	3.6	7
1151	An Intelligent Fault Diagnosis Approach for PV Array Based on SA-RBF Kernel Extreme Learning Machine. Energy Procedia, 2017, 105, 1070-1076.	1.8	46
1152	Optimization of transesterification process for Ceiba pentandra oil: A comparative study between kernel-based extreme learning machine and artificial neural networks. Energy, 2017, 134, 24-34.	4.5	89
1153	Efficient android electronic nose design for recognition and perception of fruit odors using Kernel Extreme Learning Machines. Chemometrics and Intelligent Laboratory Systems, 2017, 166, 69-80.	1.8	32
1154	Orthogonal extreme learning machine for image classification. Neurocomputing, 2017, 266, 458-464.	3.5	22
1155	Micro-Doppler feature extraction using convolutional auto-encoders for low latency target classification. , 2017, , .		16
1156	Determination of carbon and sulfur content in coal by laser induced breakdown spectroscopy combined with kernel-based extreme learning machine. Chemometrics and Intelligent Laboratory Systems, 2017, 167, 226-231.	1.8	48
1157	MST-GEN: An Efficient Parameter Selection Method for One-Class Extreme Learning Machine. IEEE Transactions on Cybernetics, 2017, 47, 3266-3279.	6.2	13
1158	Data equilibrium based automatic image annotation by fusing deep model and semantic propagation. Pattern Recognition, 2017, 71, 60-77.	5.1	26
1159	Blind quality estimator for 3D images based on binocular combination and extreme learning machine. Pattern Recognition, 2017, 71, 207-217.	5.1	37
1160	ELM evaluation model of regional groundwater quality based on the crow search algorithm. Ecological Indicators, 2017, 81, 302-314.	2.6	58
1161	Extreme Learning Machine and Its Applications in Big Data Processing. , 2017, , 117-150.		20
1162	PCA and Kernel-based extreme learning machine for side-scan sonar image classification. , 2017, , .		8
1163	Side-scan sonar image segmentation using Kernel-based Extreme Learning Machine. , 2017, , .		5

#	Article	IF	CITATIONS
1164	Heading control for an Autonomous Underwater Vehicle using ELM-based Q-learning., 2017,,.		0
1165	Upper Limb Motion Recognition Based on LLE-ELM Method of sEMG. International Journal of Pattern Recognition and Artificial Intelligence, 2017, 31, 1750018.	0.7	15
1166	The selection of input weights of extreme learning machine: A sample structure preserving point of view. Neurocomputing, 2017, 261, 28-36.	3.5	15
1167	Recognizing Emotions from Whispered Speech Based on Acoustic Feature Transfer Learning. IEEE Access, 2017, , 1-1.	2.6	29
1168	Saturation-based quality assessment for colorful multi-exposure image fusion. International Journal of Advanced Robotic Systems, 2017, 14, 172988141769462.	1.3	6
1169	Deep Learning Advances in Computer Vision with 3D Data. ACM Computing Surveys, 2018, 50, 1-38.	16.1	215
1170	An up-to-date comparison of state-of-the-art classification algorithms. Expert Systems With Applications, 2017, 82, 128-150.	4.4	302
1171	Random forests-based extreme learning machine ensemble for multi-regime time series prediction. Expert Systems With Applications, 2017, 83, 164-176.	4.4	85
1172	Inversion of the permeability of a tight gas reservoir with the combination of a deep Boltzmann kernel extreme learning machine and nuclear magnetic resonance logging transverse relaxation time spectrum data. Interpretation, 2017, 5, T341-T350.	0.5	24
1173	Learning a deeply supervised multi-modal RGB-D embedding for semantic scene and object category recognition. Robotics and Autonomous Systems, 2017, 92, 41-52.	3.0	15
1174	The prediction of food additives in the fruit juice based on electronic nose with chemometrics. Food Chemistry, 2017, 230, 208-214.	4.2	124
1175	Advanced Spectral Classifiers for Hyperspectral Images: A review. IEEE Geoscience and Remote Sensing Magazine, 2017, 5, 8-32.	4.9	893
1176	Optimization of bioethanol production from sorghum grains using artificial neural networks integrated with ant colony. Industrial Crops and Products, 2017, 97, 146-155.	2.5	67
1177	A changing forgetting factor RLS for online identification of nonlinear systems based on ELM–Hammerstein model. Neural Computing and Applications, 2017, 28, 813-827.	3.2	14
1178	Equilibrium-inspired multiagent optimizer with extreme transfer learning for decentralized optimal carbon-energy combined-flow of large-scale power systems. Applied Energy, 2017, 189, 157-176.	5.1	32
1179	Prediction of scour depth around bridge piers using self-adaptive extreme learning machine. Journal of Hydroinformatics, 2017, 19, 207-224.	1.1	56
1180	Texture classification based on curvelet transform and extreme learning machine with reduced feature set. Multimedia Tools and Applications, 2017, 76, 18425-18448.	2.6	5
1181	Multidimensional Modeling of Physiological Tremor for Active Compensation in Handheld Surgical Robotics. IEEE Transactions on Industrial Electronics, 2017, 64, 1645-1655.	5.2	22

#	Article	IF	CITATIONS
1182	Advancing the incremental fusion of robotic sensory features using online multi-kernel extreme learning machine. Frontiers of Computer Science, 2017, 11, 276-289.	1.6	3
1183	Subagging for the improvement of predictive stability of extreme learning machine for spectral quantitative analysis of complex samples. Chemometrics and Intelligent Laboratory Systems, 2017, 161, 43-48.	1.8	20
1184	Robust regularized extreme learning machine for regression using iteratively reweighted least squares. Neurocomputing, 2017, 230, 345-358.	3.5	64
1185	A two dimensional accuracy-based measure for classification performance. Information Sciences, 2017, 382-383, 60-80.	4.0	7
1186	Semi-supervised low rank kernel learning algorithm via extreme learning machine. International Journal of Machine Learning and Cybernetics, 2017, 8, 1039-1052.	2.3	20
1187	Dual weighted extreme learning machine for imbalanced data stream classification. Journal of Intelligent and Fuzzy Systems, 2017, 33, 1143-1154.	0.8	6
1188	Side-scan sonar image segmentation based on gray level co-occurrence matrices and unsupervised extreme learning machine. , $2017,  ,  .$		1
1189	Mental Workload Classification Based on Semi-Supervised Extreme Learning Machine. Lecture Notes in Computer Science, 2017, , 297-304.	1.0	0
1190	Active learning for bird sound classification via a kernel-based extreme learning machine. Journal of the Acoustical Society of America, 2017, 142, 1796-1804.	0.5	34
1191	Feature extraction and background information detection method using power demand. , 2017, , .		2
1192	Automatic optic disc detection in retinal images via group sparse regularization extreme learning machine., 2017,,.		2
1193	Retargeting extreme learning machines for classification and their applications to fault diagnosis of aircraft engine. Aerospace Science and Technology, 2017, 71, 603-618.	2.5	29
1194	Dual reduced kernel extreme learning machine for aero-engine fault diagnosis. Aerospace Science and Technology, 2017, 71, 742-750.	2.5	27
1195	I-Sampling: A New Block-Based Sampling Method for Large-Scale Dataset. , 2017, , .		4
1196	Extreme Learning Machine Framework for Risk Stratification of Fatty Liver Disease Using Ultrasound Tissue Characterization. Journal of Medical Systems, 2017, 41, 152.	2.2	95
1197	Tensor Decomposition Based Approach for Training Extreme Learning Machines. Big Data Research, 2017, 10, 8-20.	2.6	7
1198	Distributed Extreme Learning Machine with Kernels Based on Mapreduce for Spectral-Spatial Classification of Hyperspectral Image. , 2017, , .		1
1199	Post-boosting of classification boundary for imbalanced data using geometric mean. Neural Networks, 2017, 96, 101-114.	3.3	16

#	Article	IF	CITATIONS
1200	Speech emotion recognition based on Gaussian Mixture Models and Deep Neural Networks., 2017,,.		16
1201	Online sequential extreme learning algorithm with kernels for bigdata classification. , 2017, , .		2
1202	Analysis of the performance, emission and combustion characteristics of a turbocharged diesel engine fuelled with Jatropha curcas biodiesel-diesel blends using kernel-based extreme learning machine. Environmental Science and Pollution Research, 2017, 24, 25383-25405.	2.7	45
1203	Prediction of landslide displacement with controlling factors using extreme learning adaptive neuro-fuzzy inference system (ELANFIS). Applied Soft Computing Journal, 2017, 61, 892-904.	4.1	58
1204	Rapid identification of fermentation stages of bioethanol solid-state fermentation (SSF) using FT-NIR spectroscopy: comparisons of linear and non-linear algorithms for multiple classification issues. Analytical Methods, 2017, 9, 5769-5776.	1.3	18
1205	Real-time action detection and temporal segmentation in continuous video. Imaging Science Journal, 2017, 65, 418-427.	0.2	3
1206	A novel double deep ELMs ensemble system for time series forecasting. Knowledge-Based Systems, 2017, 134, 31-49.	4.0	60
1207	Classification of large-sized hyperspectral imagery using fast machine learning algorithms. Journal of Applied Remote Sensing, 2017, 11, 035005.	0.6	0
1208	Time series forecasting based on deep extreme learning machine. , 2017, , .		6
1209	A fast RBM-hidden-nodes based extreme learning machine. , 2017, , .		2
1210	Extreme learning machines to approximate low dimensional spaces for helicopter load signal and fatigue life estimation. , $2017, \dots$		2
1211	Improved multiple kernel extreme learning machine based on AdaBoost.RT., 2017, , .		0
1212	Robust Recognition of Mandarin Vowels by Articulatory Manners. , 2017, , .		0
1213	Research on the Learning Method Based on PCA-ELM. Intelligent Automation and Soft Computing, 2017, 23, 637-642.	1.6	5
1214	Two-stage indoor physical field reconstruction from sparse sensor observations. Energy and Buildings, 2017, 151, 548-563.	3.1	12
1215	An ensemble prediction intervals approach for short-term PV power forecasting. Solar Energy, 2017, 155, 1072-1083.	2.9	82
1216	Coal exploration technology based on visible-infrared spectra and remote sensing data. Spectroscopy Letters, 2017, 50, 440-450.	0.5	16
1217	U-safety: Urban safety analysis in a smart city. , 2017, , .		5

#	Article	IF	Citations
1218	An oblique elliptical basis function network approach for supervised learning applications. Applied Soft Computing Journal, 2017, 60, 552-563.	4.1	7
1219	An adaptive kernel-based weighted extreme learning machine approach for effective detection of Parkinson's disease. Biomedical Signal Processing and Control, 2017, 38, 400-410.	3.5	25
1220	Enhanced surface roughness discrimination with optimized features from bio-inspired tactile sensor. Sensors and Actuators A: Physical, 2017, 264, 133-140.	2.0	25
1221	Storages Are Not Forever. Cognitive Computation, 2017, 9, 646-658.	<b>3.</b> 6	4
1222	Research on image detection and recognition for defects on the surface of the steel plate based on magnetic flux leakage signals., 2017,,.		2
1223	Enhanced Gabor (E-Gabor), Hypersphere-based normalization and Pearson General Kernel-based discriminant analysis for dimension reduction and classification of facial emotions. Expert Systems With Applications, 2017, 90, 127-145.	4.4	20
1224	Motion Imitation Based on Sparsely Sampled Correspondence. Journal of Computing and Information Science in Engineering, 2017, $17$ , .	1.7	3
1225	A new downscaling approach and its performance with bias correction and spatial disaggregation as contrast. Journal of Water and Climate Change, 2017, 8, 675-690.	1.2	4
1226	MSVR Based Range-Free Localization Technique for 3-D Sensor Networks. Wireless Personal Communications, 2017, 97, 6221-6238.	1.8	7
1227	Online Extreme Learning Machine with Hybrid Sampling Strategy for Sequential Imbalanced Data. Cognitive Computation, 2017, 9, 780-800.	<b>3.</b> 6	15
1228	ELM-based adaptive neural estimation for actuator faults detection and diagnosis of nonlinear uncertain systems. , 2017, , .		0
1229	Hybrid sentiment classification on twitter aspect-based sentiment analysis. Applied Intelligence, 2018, 48, 1218.	3.3	75
1230	Experimental Study on Extreme Learning Machine Applications for Speech Enhancement. IEEE Access, 2017, 5, 25542-25554.	2.6	38
1231	Landslide displacement prediction technique using improved neuro-fuzzy system. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	31
1232	Discrimination of CRISPR/Cas9-induced mutants of rice seeds using near-infrared hyperspectral imaging. Scientific Reports, 2017, 7, 15934.	1.6	37
1233	Classification of cotton oil in the semi-refining process using image processing techniques: Image processing for industrial applications. , 2017, , .		2
1234	Epileptic seizure detection based on the kernel extreme learning machine. Technology and Health Care, 2017, 25, 399-409.	0.5	14
1235	Self-adaptive Weighted Extreme Learning Machine for Imbalanced Classification Problems. Lecture Notes in Computer Science, 2017, , 116-128.	1.0	O

#	Article	IF	CITATIONS
1236	Motor imagery EEG classification with optimal subset of wavelet based common spatial pattern and kernel extreme learning machine. , 2017, 2017, 2863-2866.		9
1237	Selection of Most Relevant Input Parameters Using Principle Component Analysis for Extreme Learning Machine Based Power Transformer Fault Diagnosis Model. Electric Power Components and Systems, 2017, 45, 1339-1352.	1.0	16
1238	Unmanned Aerial System (UAS)-based phenotyping of soybean using multi-sensor data fusion and extreme learning machine. ISPRS Journal of Photogrammetry and Remote Sensing, 2017, 134, 43-58.	4.9	233
1239	Multiple Classification Using SVM Based Multi Knowledge Based System. Procedia Computer Science, 2017, 115, 307-311.	1.2	7
1240	Fast property prediction in an industrial rubber mixing process with local ELM model. Journal of Applied Polymer Science, 2017, 134, 45391.	1.3	20
1241	Human action recognition in RGB-D videos using motion sequence information and deep learning. Pattern Recognition, 2017, 72, 504-516.	5.1	114
1242	A theoretical study of the relationship between an ELM network and its subnetworks. , 2017, , .		3
1243	Object recognition using cellular simultaneous recurrent networks and convolutional neural network. , 2017, , .		12
1244	Extreme learning machine as a generalizable classification engine., 2017,,.		6
1245	Hyperspectral image classification using fuzzy C-means based composite kernel approach. , 2017, , .		3
1246	Adaptive incremental ensemble of extreme learning machines for fault diagnosis in induction motors. , 2017, , .		10
1247	Kernel and random extreme learning machine applied to submersible motor pump fault diagnosis. , 2017, , .		7
1248	A Fast-training Approach Using ELM for Satisfaction Analysis of Call Centers. , 2017, , .		0
1249	Assessing the suitability of data from Sentinel-1A and 2A for crop classification. GIScience and Remote Sensing, 2017, 54, 918-938.	2.4	111
1250	Towards an MCDM-Based Evaluation Framework for Regression Algorithms., 2017,,.		0
1251	Semi-supervised convolutional extreme learning machine. , 2017, , .		5
1252	Signal detection of MIMO-OFDM system based on auto encoder and extreme learning machine. , 2017, , .		33
1253	Efficient Prediction of Low-Visibility Events at Airports Using Machine-Learning Regression. Boundary-Layer Meteorology, 2017, 165, 349-370.	1.2	29

#	Article	IF	CITATIONS
1254	Compliant training control of ankle joint by exoskeleton with human EMG-torque interface. Assembly Automation, 2017, 37, 349-355.	1.0	10
1255	Extreme learning machine based transfer learning algorithms: A survey. Neurocomputing, 2017, 267, 516-524.	3.5	68
1256	Classification of breast masses in ultrasound images using self-adaptive differential evolution extreme learning machine and rough set feature selection. Journal of Medical Imaging, 2017, 4, 024507.	0.8	11
1257	Sensory quality evaluation for appearance of needle-shaped green tea based on computer vision and nonlinear tools. Journal of Zhejiang University: Science B, 2017, 18, 544-548.	1.3	21
1258	Shoulder lesion classification using shape and texture features via composite kernel., 2017,,.		1
1259	Hyperspectral image filtering with adaptive manifold for classification. Journal of Electronic Imaging, 2017, 26, 033025.	0.5	2
1260	Robust sound event classification with bilinear multi-column ELM-AE and two-stage ensemble learning. Eurasip Journal on Audio, Speech, and Music Processing, 2017, 2017, .	1.3	4
1261	Hyperspectral image classification with hybrid kernel extreme learning machine. , 2017, , .		4
1262	A novel target tracking method based on OSELM. Multidimensional Systems and Signal Processing, 2017, 28, 1091-1108.	1.7	2
1263	Extreme learning machines: a new approach for modeling dissolved oxygen (DO) concentration with and without water quality variables as predictors. Environmental Science and Pollution Research, 2017, 24, 16702-16724.	2.7	84
1264	Medical Sign Recognition of Lung Nodules Based on Image Retrieval with Semantic Features and Supervised Hashing. Journal of Computer Science and Technology, 2017, 32, 457-469.	0.9	8
1265	Semi-supervised Learning for Affective Common-Sense Reasoning. Cognitive Computation, 2017, 9, 18-42.	3.6	16
1266	Unsteady aerodynamic modeling of biaxial coupled oscillation based on improved ELM. Aerospace Science and Technology, 2017, 60, 58-67.	2.5	14
1267	Excavation Equipment Recognition Based on Novel Acoustic Statistical Features. IEEE Transactions on Cybernetics, 2017, 47, 4392-4404.	6.2	54
1268	Two-stage ELM for phishing Web pages detection using hybrid features. World Wide Web, 2017, 20, 797-813.	2.7	37
1269	Evolutionary Cost-Sensitive Extreme Learning Machine. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 3045-3060.	7.2	131
1270	Identifying CPPU-Treated Kiwifruits Using Near-Infrared Hyperspectral Imaging Technology. Food Analytical Methods, 2017, 10, 1273-1283.	1.3	18
1271	Extreme Learning Machine-Based Traffic Incidents Detection with Domain Adaptation Transfer Learning. Journal of Intelligent Systems, 2017, 26, 601-612.	1.2	1

#	Article	IF	CITATIONS
1272	Delay Prediction System for Large-Scale Railway Networks Based on Big Data Analytics. Advances in Intelligent Systems and Computing, 2017, , 139-150.	0.5	5
1273	H-MRST: A Novel Framework For Supporting Probability Degree Range Query Using Extreme Learning Machine. Cognitive Computation, 2017, 9, 68-80.	3.6	11
1274	A new hybrid PSO assisted biogeography-based optimization for emotion and stress recognition from speech signal. Expert Systems With Applications, 2017, 69, 149-158.	4.4	91
1275	Extreme Kernel Sparse Learning for Tactile Object Recognition. IEEE Transactions on Cybernetics, 2017, 47, 4509-4520.	6.2	74
1276	Fault detection based on signal reconstruction with Auto-Associative Extreme Learning Machines. Engineering Applications of Artificial Intelligence, 2017, 57, 105-117.	4.3	30
1277	Comparison of machine learning models for predicting fluoride contamination in groundwater. Stochastic Environmental Research and Risk Assessment, 2017, 31, 2705-2718.	1.9	78
1278	Intelligent visual servoing with extreme learning machine and fuzzy logic. Expert Systems With Applications, 2017, 72, 344-356.	4.4	28
1279	Direct Quantile Regression for Nonparametric Probabilistic Forecasting of Wind Power Generation. IEEE Transactions on Power Systems, 2017, 32, 2767-2778.	4.6	198
1280	Firefly-Algorithm-Inspired Framework With Band Selection and Extreme Learning Machine for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 309-320.	2.3	113
1281	One-Class Classification Based on Extreme Learning and Geometric Class Information. Neural Processing Letters, 2017, 45, 577-592.	2.0	26
1282	Classifying biomedical knowledge in PubMed using multi-label vector machines with weaker optimization constraints. Neural Computing and Applications, 2017, 28, 1233-1243.	3.2	1
1283	FASTA-ELM: A fast adaptive shrinkage/thresholding algorithm for extreme learning machine and its application to gender recognition. Neurocomputing, 2017, 219, 312-322.	3.5	13
1284	Evaluation of extreme learning machine for classification of individual and combined finger movements using electromyography on amputees and non-amputees. Neural Networks, 2017, 85, 51-68.	3.3	53
1285	Using extreme learning machines for short-term urban water demand forecasting. Urban Water Journal, 2017, 14, 630-638.	1.0	55
1286	Multi-level hybrid support vector machine and extreme learning machine based on modified K-means for intrusion detection system. Expert Systems With Applications, 2017, 67, 296-303.	4.4	333
1287	Generating probabilistic predictions using mean-variance estimation and echo state network. Neurocomputing, 2017, 219, 536-547.	3.5	21
1288	A pruning ensemble model of extreme learning machine with $L_{1/2}$ L 1 / 2 regularizer. Multidimensional Systems and Signal Processing, 2017, 28, 1051-1069.	1.7	14
1289	Multiple birth least squares support vector machine for multi-class classification. International Journal of Machine Learning and Cybernetics, 2017, 8, 1731-1742.	2.3	28

#	ARTICLE	IF	CITATIONS
1290	A cost-sensitive rotation forest algorithm for gene expression data classification. Neurocomputing, 2017, 228, 270-276.	3 <b>.</b> 5	64
1291	An islanding detection algorithm for distributed generation based on Hilbert–Huang transform and extreme learning machine. Sustainable Energy, Grids and Networks, 2017, 9, 13-26.	2.3	85
1292	State Preserving Extreme Learning Machine: A Monotonically Increasing Learning Approach. Neural Processing Letters, 2017, 45, 703-725.	2.0	14
1293	Approximate kernel extreme learning machine for large scale data classification. Neurocomputing, 2017, 219, 210-220.	3.5	36
1294	An Optimization Strategy for Weighted Extreme Learning Machine based on PSO. International Journal of Pattern Recognition and Artificial Intelligence, 2017, 31, 1751001.	0.7	14
1295	User emotion recognition from a larger pool of social network data using active learning. Multimedia Tools and Applications, 2017, 76, 10881-10892.	2.6	25
1296	Probabilistic Forecasting of Photovoltaic Generation: An Efficient Statistical Approach. IEEE Transactions on Power Systems, 2017, 32, 2471-2472.	4.6	124
1297	Adding reliability to ELM forecasts by confidence intervals. Neurocomputing, 2017, 219, 232-241.	3.5	5
1298	A prediction method using extreme learning machine with immune optimization. , 2017, , .		2
1299	Brain machine interface for useful human interaction via extreme learning machine and state machine design. , 2017, , .		8
1300	Machine learning based network intrusion detection., 2017,,.		19
1301	Classification and mosaicking of side scan sonar image. , 2017, , .		3
1302	Enhance generalized learning vector quantization using unsupervised extreme learning machine and intelligent K-means clustering. , 2017, , .		5
1303	Proposed framework for multi-level extreme machine learning for underwater thruster's fault classification using YIN fundamental frequency estimator and pitch sound., 2017,,.		1
1304	A New Hybrid Intelligent Framework for Predicting Parkinson's Disease. IEEE Access, 2017, 5, 17188-17200.	2.6	62
1305	Incremental and Decremental Extreme Learning Machine Based on Generalized Inverse. IEEE Access, 2017, 5, 20852-20865.	2.6	20
1306	Data-Driven Inter-Turn Short Circuit Fault Detection in Induction Machines. IEEE Access, 2017, 5, 25055-25068.	2.6	40
1307	Multiclass classification of cancer based on microarray data using extreme learning machine., 2017,,.		2

#	Article	IF	Citations
1308	A novel approach for the identification of chronic alcohol users from ECG signals. , 2017, , .		2
1309	Improved variations for Extreme Learning Machine: Space embedded ELM and optimal distribution ELM., 2017,,.		4
1310	Improving the Robustness of Prediction Model by Transfer Learning for Interference Suppression of Electronic Nose. IEEE Sensors Journal, 2018, 18, 1111-1121.	2.4	20
1311	Feature Space of Deep Learning and its Importance. , 2017, , .		6
1312	Large-scale WiFi indoor localization via extreme learning machine. , 2017, , .		18
1313	Tool condition monitoring based on mel-frequency cepstral coefficients and support vector regression. , 2017, , .		2
1314	Compact Feature Representation for Image Classification Using ELMs. , 2017, , .		8
1315	Recurrent kernel online sequential extreme learning machine with kernel adaptive filter for time series prediction. , $2017,  \ldots$		1
1316	Accurate validation of GCV-based regularization parameter for extreme learning machine. , 2017, , .		3
1317	Saliency Detection via CNN Coarse Learning and Compactness Based ELM Refinement. Communications in Computer and Information Science, 2017, , 445-460.	0.4	0
1318	Fractional-order extreme learning machine with Lévy flight. IFAC-PapersOnLine, 2017, 50, 8109-8114.	0.5	0
1319	Single Image Super-Resolution Using Multiple Extreme Learning Machine Regressors. , 2017, , .		0
1320	Optimal feature subset selection for fuzzy extreme learning machine using genetic algorithm with multilevel parameter optimization. , 2017, , .		1
1321	Automated discrimination of dementia spectrum disorders using extreme learning machine and structural T1 MRI features., 2017, 2017, 1990-1993.		10
1322	Spectral-spatial classification of hyperspectral image using Distributed Extreme Learning Machine with MapReduce. , $2017$ , , .		1
1323	Myoelectric control systems for hand rehabilitation device: A review. , 2017, , .		13
1324	A new pruning algorithm for extreme learning machine., 2017,,.		2
1325	Development of extreme learning machine for online voltage stability assessment incorporating wind energy conversion system., 2017,,.		3

#	Article	IF	CITATIONS
1326	An ELM-Based Privacy Preserving Protocol for Implementing Aware Agents., 2017,,.		2
1327	M-Weighted extreme learning machine for imbalanced learning. , 2017, , .		2
1328	Multitask LS-Svm for Predicting Bleeding and Re-operation Due to Bleeding., 2017,,.		0
1329	Cortical motor intention decoding on an analog co-processor with fast training for non-stationary data. , 2017, , .		7
1330	A framework for speech enhancement using extreme learning machines. , 2017, , .		3
1331	Robust speech recognition combining cepstral and articulatory features. , 2017, , .		2
1332	Chaotic time series prediction using ELANFIS., 2017,,.		1
1333	Short-term wind speed forecasting in wind farm based on C-C and ELM. , 2017, , .		1
1334	Invited paper: Resource sharing in feed forward neural networks for energy efficiency. , 2017, , .		3
1335	Benchmarking the selection of the hidden-layer weights in extreme learning machines. , 2017, , .		1
1336	Study of extreme learning machine activation functions for magnetorheological fluid modelling in medical devices application., 2017,,.		12
1337	Elmnet: Feature learning using extreme learning machines. , 2017, , .		4
1338	Terrain recognition for outdoor mobile robots. , 2017, , .		2
1339	Big data in automation: Towards generalized makespan estimation in shop scheduling problems. , 2017, , .		3
1340	Supervised hashing with extreme learning machine. , 2017, , .		0
1341	Implementation of activation functions for ELM based classifiers. , 2017, , .		4
1342	Waveletâ€based extreme learning machine for distribution grid fault location. IET Generation, Transmission and Distribution, 2017, 11, 4256-4263.	1.4	79
1343	Classification of electricity customer groups towards individualized price scheme design., 2017,,.		11

#	Article	IF	Citations
1344	Liver segmentation: A survey of the state-of-the-art. , 2017, , .		4
1345	Improved short-term electricity load forecasting using extreme learning machines. , 2017, , .		1
1346	Severity grading of diabetic retinopathy using extreme learning machine. , 2017, , .		5
1347	Multi layer multi objective extreme learning machine., 2017,,.		6
1348	Indoor Localization Using Visible Light Via Fusion of Multiple Classifiers. IEEE Photonics Journal, 2017, 9, 1-16.	1.0	75
1349	Online sequential extreme learning machine algorithms based on maximum correntropy citerion. , 2017, , .		5
1350	Mobile EEG-based situation awareness recognition for air traffic controllers. , 2017, , .		17
1351	A smooth extreme learning machine framework. Journal of Intelligent and Fuzzy Systems, 2017, 33, 3373-3381.	0.8	6
1352	Multiple steps time series prediction by a novel Recurrent Kernel Extreme Learning Machine approach. , 2017, , .		7
1353	Contemporary stegnalysis schemes for reliable detection of steganography. , 2017, , .		O
1354	A kernel-based extreme learning modeling method for speed decision making of autonomous land vehicles. , 2017, , .		4
1355	Speech enhancement using extreme learning machines. , 2017, , .		4
1356	Predictive local receptive fields based respiratory motion tracking for motion-adaptive radiotherapy., 2017, 2017, 2859-2862.		0
1357	A multistage collaborative filtering method for fall detection. , 2017, , .		1
1358	Privacy preserving extreme learning machine using additively homomorphic encryption., 2017,,.		10
1359	A novel excavation device recognition based underground network surveilliance system. , 2017, , .		0
1360	Wind speed forecasting using empirical mode decomposition and regularized ELANFIS., 2017,,.		4
1361	Fingerprint Matching Using Rotational Invariant Orientation Local Binary Pattern Descriptor and Machine Learning Techniques. International Journal of Computer Vision and Image Processing, 2017, 7, 51-67.	0.3	7

#	Article	IF	CITATIONS
1362	Classification of Desired Motion Force Based On Cerebral Hemoglobin Information*. ITM Web of Conferences, 2017, 12, 05005.	0.4	0
1363	Going Deeper with CKELM., 2017, , .		0
1364	A Comparison Study of Machine Learning Based Algorithms for Fatigue Crack Growth Calculation. Materials, 2017, 10, 543.	1.3	42
1365	Spectral-Spatial Response for Hyperspectral Image Classiffation. Remote Sensing, 2017, 9, 203.	1.8	24
1366	Efficient DV-HOP Localization for Wireless Cyber-Physical Social Sensing System: A Correntropy-Based Neural Network Learning Scheme. Sensors, 2017, 17, 135.	2.1	41
1367	A Novel Extreme Learning Machine Classification Model for e-Nose Application Based on the Multiple Kernel Approach. Sensors, 2017, 17, 1434.	2.1	26
1368	A Novel Online Sequential Extreme Learning Machine for Gas Utilization Ratio Prediction in Blast Furnaces. Sensors, 2017, 17, 1847.	2.1	53
1369	Alumina Concentration Detection Based on the Kernel Extreme Learning Machine. Sensors, 2017, 17, 2002.	2.1	13
1370	Linear vs. Nonlinear Extreme Learning Machine for Spectral-Spatial Classification of Hyperspectral Images. Sensors, 2017, 17, 2603.	2.1	19
1371	An AST-ELM Method for Eliminating the Influence of Charging Phenomenon on ECT. Sensors, 2017, 17, 2863.	2.1	5
1372	Urban Traffic Congestion Evaluation Based on Kernel the Semi-Supervised Extreme Learning Machine. Symmetry, 2017, 9, 70.	1.1	9
1373	Towards Intelligent Interpretation of Low Strain Pile Integrity Testing Results Using Machine Learning Techniques. Sensors, 2017, 17, 2443.	2.1	15
1374	An Improved Brain-Inspired Emotional Learning Algorithm for Fast Classification. Algorithms, 2017, 10, 70.	1.2	27
1375	Time Series Prediction Based on Adaptive Weight Online Sequential Extreme Learning Machine. Applied Sciences (Switzerland), 2017, 7, 217.	1.3	8
1376	A Short-Term Photovoltaic Power Prediction Model Based on an FOS-ELM Algorithm. Applied Sciences (Switzerland), 2017, 7, 423.	1.3	28
1377	Overfitting Reduction of Text Classification Based on AdaBELM. Entropy, 2017, 19, 330.	1.1	17
1378	Icing Forecasting of Transmission Lines with a Modified Back Propagation Neural Network-Support Vector Machine-Extreme Learning Machine with Kernel (BPNN-SVM-KELM) Based on the Variance-Covariance Weight Determination Method. Energies, 2017, 10, 1196.	1.6	16
1379	Using Random Forests to Select Optimal Input Variables for Short-Term Wind Speed Forecasting Models. Energies, 2017, 10, 1522.	1.6	16

#	Article	IF	Citations
1380	Short-Term Electricity-Load Forecasting Using a TSK-Based Extreme Learning Machine with Knowledge Representation. Energies, 2017, 10, 1613.	1.6	33
1381	An Optimized Prediction Intervals Approach for Short Term PV Power Forecasting. Energies, 2017, 10, 1669.	1.6	18
1382	Wind Power Ramp Events Prediction with Hybrid Machine Learning Regression Techniques and Reanalysis Data. Energies, 2017, 10, 1784.	1.6	22
1383	Quick Estimation Model for the Concentration of Indoor Airborne Culturable Bacteria: An Application of Machine Learning. International Journal of Environmental Research and Public Health, 2017, 14, 857.	1.2	37
1384	Multi-modal, Multi-measure, and Multi-class Discrimination of ADHD with Hierarchical Feature Extraction and Extreme Learning Machine Using Structural and Functional Brain MRI. Frontiers in Human Neuroscience, 2017, 11, 157.	1.0	44
1385	Multi-Modal Integration of EEG-fNIRS for Brain-Computer Interfaces – Current Limitations and Future Directions. Frontiers in Human Neuroscience, 2017, 11, 503.	1.0	67
1386	Automatic Detection of Epilepsy and Seizure Using Multiclass Sparse Extreme Learning Machine Classification. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-10.	0.7	39
1387	TFFN: Two hidden layer feed forward network using the randomness of extreme learning machine. , 2017, , .		2
1388	A Distributed Algorithm for the Cluster-Based Outlier Detection Using Unsupervised Extreme Learning Machines. Mathematical Problems in Engineering, 2017, 2017, 1-12.	0.6	1
1389	A Multiple Hidden Layers Extreme Learning Machine Method and Its Application. Mathematical Problems in Engineering, 2017, 2017, 1-10.	0.6	33
1390	Predictive Power of Machine Learning for Optimizing Solar Water Heater Performance: The Potential Application of High-Throughput Screening. International Journal of Photoenergy, 2017, 2017, 1-10.	1.4	49
1391	Improving Classification Performance through an Advanced Ensemble Based Heterogeneous Extreme Learning Machines. Computational Intelligence and Neuroscience, 2017, 2017, 1-11.	1.1	33
1392	Ferrography Wear Particles Image Recognition Based on Extreme Learning Machine. Journal of Electrical and Computer Engineering, 2017, 2017, 1-6.	0.6	18
1393	Acoustic Log Prediction on the Basis of Kernel Extreme Learning Machine for Wells in GJH Survey, Erdos Basin. Journal of Electrical and Computer Engineering, 2017, 2017, 1-7.	0.6	5
1394	Screw Remaining Life Prediction Based on Quantum Genetic Algorithm and Support Vector Machine. Shock and Vibration, 2017, 2017, 1-13.	0.3	3
1395	Sparse Contribution Feature Selection and Classifiers Optimized by Concave-Convex Variation for HCC Image Recognition. BioMed Research International, 2017, 2017, 1-14.	0.9	11
1396	An Enhanced Grey Wolf Optimization Based Feature Selection Wrapped Kernel Extreme Learning Machine for Medical Diagnosis. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-15.	0.7	190
1397	Vegetation type classification system using pseudo zernike moments and ELM., 2017, , .		2

#	Article	IF	CITATIONS
1398	Extreme Learning Machine and Moving Least Square Regression Based Solar Panel Vision Inspection. Journal of Electrical and Computer Engineering, 2017, 2017, 1-10.	0.6	4
1399	Mexican Hat Wavelet Kernel ELM for Multiclass Classification. Computational Intelligence and Neuroscience, 2017, 2017, 1-8.	1.1	8
1400	Probabilistic Forecasting of Traffic Flow Using Multikernel Based Extreme Learning Machine. Scientific Programming, 2017, 2017, 1-12.	0.5	4
1401	Fault Diagnosis Method of Check Valve Based on Multikernel Cost-Sensitive Extreme Learning Machine. Complexity, 2017, 2017, 1-19.	0.9	12
1402	Sensor Fault Diagnosis for Aero Engine Based on Online Sequential Extreme Learning Machine with Memory Principle. Energies, 2017, 10, 39.	1.6	39
1403	A Novel Indirect Health Indicator Extraction Based on Charging Data for Lithium-Ion Batteries Remaining Useful Life Prognostics. SAE International Journal of Alternative Powertrains, 0, 6, 183-193.	0.8	8
1404	Computational methods using weighed-extreme learning machine to predict protein self-interactions with protein evolutionary information. Journal of Cheminformatics, 2017, 9, 47.	2.8	10
1406	Model of Ball Mill Based on the CPS. , 2017, , .		0
1407	A research on simultaneous fault diagnosis based on paired-RVM., 2017,,.		0
1408	Action Recognition Using DMM-Gabor Descriptor and Temporal Segmentation., 2017,,.		0
1409	Multi-View Action Recognition Method Based on Regularized Extreme Learning Machine. , 2017, , .		2
1410	Time/space separation based KL-MKELM modeling for nonlinear distributed parameter processes. , 2017, ,		2
1411	A quantized kernel least mean square scheme with entropy-guided learning for intelligent data analysis. China Communications, 2017, 14, 1-10.	2.0	47
1412	A novel roller bearing fault diagnosis method based on the wavelet extreme learning machine. , 2017, , .		2
1413	An ELM based Multi-Agent System and its applications to power generation. Intelligent Decision Technologies, 2017, 11, 297-305.	0.6	1
1414	Set-Based Boosting for Instance-Level Transfer on Multi-Classification. IEICE Transactions on Information and Systems, 2017, E100.D, 1079-1086.	0.4	0
1415	A Fast Convolutional Denoising Autoencoder Based Extreme Learning Machine. , 2017, , .		2
1416	Stationary Wavelet Singular Entropy and Kernel Extreme Learning for Bearing Multi-Fault Diagnosis. Entropy, 2017, 19, 541.	1.1	27

#	Article	IF	Citations
1417	Device-Free Localization via an Extreme Learning Machine with Parameterized Geometrical Feature Extraction. Sensors, 2017, 17, 879.	2.1	43
1418	Extreme Learning Machines with frequency based noise filtering for prediction of critical digressions in a noisy industrial process., 2017,,.		6
1419	Extreme Sparse Multinomial Logistic Regression: A Fast and Robust Framework for Hyperspectral Image Classification. Remote Sensing, 2017, 9, 1255.	1.8	28
1420	Extreme Learning ANFIS Control of a Flexible Link Manipulator. , 2017, , .		2
1421	An Extreme Learning Machine Architecture Based on Volterra Filtering and PCA. IEICE Transactions on Information and Systems, 2017, E100.D, 2690-2701.	0.4	4
1422	NBWELM: naive Bayesian based weighted extreme learning machine. International Journal of Machine Learning and Cybernetics, 2018, 9, 21-35.	2.3	13
1423	Analyze EEG signals with extreme learning machine based on PMIS feature selection. International Journal of Machine Learning and Cybernetics, 2018, 9, 243-249.	2.3	21
1424	Task-generic mental fatigue recognition based on neurophysiological signals and dynamical deep extreme learning machine. Neurocomputing, 2018, 283, 266-281.	3.5	33
1425	A novel, fast and efficient single-sensor automatic sleep-stage classification based on complementary cross-frequency coupling estimates. Clinical Neurophysiology, 2018, 129, 815-828.	0.7	49
1426	A robust extreme learning machine for modeling a small-scale turbojet engine. Applied Energy, 2018, 218, 22-35.	5.1	28
1427	ELM based smile detection using Distance Vector. Pattern Recognition, 2018, 79, 356-369.	5.1	35
1428	Mixture correntropy for robust learning. Pattern Recognition, 2018, 79, 318-327.	5.1	120
1429	Deep diagnostics and prognostics: An integrated hierarchical learning framework in PHM applications. Applied Soft Computing Journal, 2018, 72, 555-564.	4.1	51
1430	Multiclass power quality events classification using variational mode decomposition with fast reduced kernel extreme learning machineâ€based feature selection. IET Science, Measurement and Technology, 2018, 12, 106-117.	0.9	28
1431	Extreme Trust Region Policy Optimization for Active Object Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2253-2258.	7.2	25
1432	Fault diagnosis method based on wavelet packet-energy entropy and fuzzy kernel extreme learning machine. Advances in Mechanical Engineering, 2018, 10, 168781401775144.	0.8	14
1433	Pedestrian Dead-Reckoning Indoor Localization Based on OS-ELM. IEEE Access, 2018, 6, 6116-6129.	2.6	55
1434	Generating Word Embeddings from an Extreme Learning Machine for Sentiment Analysis and Sequence Labeling Tasks. Cognitive Computation, 2018, 10, 625-638.	3.6	42

#	Article	IF	CITATIONS
1435	Selective harmonic eliminated <i>V</i> / <i>f</i> speed control of singleâ€phase induction motor. IET Power Electronics, 2018, 11, 477-483.	1.5	12
1436	Incremental multiple kernel extreme learning machine and its application in Robo-advisors. Soft Computing, 2018, 22, 3507-3517.	2.1	14
1437	Medical Image Forgery Detection for Smart Healthcare. IEEE Communications Magazine, 2018, 56, 33-37.	4.9	108
1438	Linear and non-linear approaches to predict the Darcy-Weisbach friction factor of overland flow using the extreme learning machine approach. International Journal of Sediment Research, 2018, 33, 415-432.	1.8	14
1439	A Joint Unsupervised Cross-Domain Model via Scalable Discriminative Extreme Learning Machine. Cognitive Computation, 2018, 10, 577-590.	3.6	8
1440	Dynamic selection of normalization techniques using data complexity measures. Expert Systems With Applications, 2018, 106, 252-262.	4.4	120
1441	Detection of Poisonous Herbs by Terahertz Time-Domain Spectroscopy. Journal of Applied Spectroscopy, 2018, 85, 197-202.	0.3	6
1442	Power plant condition monitoring by means of coal powder granulometry classification. Measurement: Journal of the International Measurement Confederation, 2018, 123, 39-47.	2.5	4
1443	Tactile Object Recognition Using Supervised Dictionary Learning. , 2018, , 71-95.		0
1444	pDHS-ELM: computational predictor for plant DNase I hypersensitive sites based on extreme learning machines. Molecular Genetics and Genomics, 2018, 293, 1035-1049.	1.0	16
1445	Contextual Online Dictionary Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1336-1347.	2.7	22
1446	Method Extreme Learning Machine for Forecasting Number of Patients' Visits in Dental Poli (A Case) Tj ETQq1 2018, 953, 012133.	1 0.78431 0.3	14 rgBT /0\ 4
1447	Classifier Ensemble by Exploring Supplementary Ordering Information. IEEE Transactions on Knowledge and Data Engineering, 2018, , 1-1.	4.0	8
1448	Optimal Design of Gain-Flattened Raman Fiber Amplifiers Using a Hybrid Approach Combining Randomized Neural Networks and Differential Evolution Algorithm. IEEE Photonics Journal, 2018, 10, 1-15.	1.0	20
1449	FSELM: fusion semi-supervised extreme learning machine for indoor localization with Wi-Fi and Bluetooth fingerprints. Soft Computing, 2018, 22, 3621-3635.	2.1	26
1450	Single-step prediction method of burning zone temperature based on real-time wavelet filtering and KELM. Engineering Applications of Artificial Intelligence, 2018, 70, 142-148.	4.3	15
1451	Managing the computational cost of model selection and cross-validation in extreme learning machines via Cholesky, SVD, QR and eigen decompositions. Neurocomputing, 2018, 295, 29-45.	3.5	27
1452	Current Mirror Array: A Novel Circuit Topology for Combining Physical Unclonable Function and Machine Learning. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 1314-1326.	3.5	36

#	Article	IF	CITATIONS
1453	Low-Rank Multi-View Embedding Learning for Micro-Video Popularity Prediction. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 1519-1532.	4.0	99
1454	Fuzzy integral-based ELM ensemble for imbalanced big data classification. Soft Computing, 2018, 22, 3519-3531.	2.1	43
1455	An online fault detection model and strategies based on SVM-grid in clouds. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 445-456.	8.5	169
1456	Classification of failure mode and prediction of shear strength for reinforced concrete beam-column joints using machine learning techniques. Engineering Structures, 2018, 160, 85-94.	2.6	205
1457	An Ensemble CNN2ELM for Age Estimation. IEEE Transactions on Information Forensics and Security, 2018, 13, 758-772.	4.5	79
1458	Neural classâ€specific regression for face verification. IET Biometrics, 2018, 7, 63-70.	1.6	4
1459	Cross-Scene Counting Based on Domain Adaptation-Extreme Learning Machine. IEEE Access, 2018, 6, 17029-17038.	2.6	10
1460	TaxiRec: Recommending Road Clusters to Taxi Drivers Using Ranking-Based Extreme Learning Machines. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 585-598.	4.0	44
1461	A Survey of Advanced Marine Communication and Navigation Technologies: Developments and Strategies. International Journal of Engineering Research in Africa, 2018, 34, 102-115.	0.7	2
1462	Smart wind speed forecasting using EWT decomposition, GWO evolutionary optimization, RELM learning and IEWT reconstruction. Energy Conversion and Management, 2018, 161, 266-283.	4.4	95
1463	Network intrusion detection using equality constrained-optimization-based extreme learning machines. Knowledge-Based Systems, 2018, 147, 68-80.	4.0	42
1464	Multi-Traffic Scene Perception Based on Supervised Learning. IEEE Access, 2018, 6, 4287-4296.	2.6	14
1465	Transfer-Learning-Based Online Mura Defect Classification. IEEE Transactions on Semiconductor Manufacturing, 2018, 31, 116-123.	1.4	77
1466	Discovering the impact of hidden layer parameters on non-iterative training of feed-forward neural networks. Soft Computing, 2018, 22, 3495-3506.	2.1	0
1467	State Identification of Duffing Oscillator Based on Extreme Learning Machine. IEEE Signal Processing Letters, 2018, 25, 25-29.	2.1	14
1468	Quantitative analysis of sinters using laser-induced breakdown spectroscopy (LIBS) coupled with kernel-based extreme learning machine (K-ELM). Analytical Methods, 2018, 10, 1074-1079.	1.3	30
1469	Sparse pseudoinverse incremental extreme learning machine. Neurocomputing, 2018, 287, 128-142.	3.5	18
1470	A novel random forests based class incremental learning method for activity recognition. Pattern Recognition, 2018, 78, 277-290.	5.1	85

#	Article	IF	CITATIONS
1471	Ensemble Classifiers with Drift Detection (ECDD) in Traffic Flow Streams to Detect DDOS Attacks. Wireless Personal Communications, 2018, 99, 1639-1659.	1.8	12
1472	An integrated framework of Extreme Learning Machines for predicting scour at pile groups in clear water condition. Coastal Engineering, 2018, 135, 1-15.	1.7	89
1473	Short-term electrical load forecasting using radial basis function neural networks considering weather factors. Electrical Engineering, 2018, 100, 1985-1995.	1,2	34
1474	A self-adaptive evolutionary weighted extreme learning machine for binary imbalance learning. Progress in Artificial Intelligence, 2018, 7, 95-118.	1.5	6
1475	Application of intrinsic band function technique for automated detection of sleep apnea using HRV and EDR signals. Biocybernetics and Biomedical Engineering, 2018, 38, 136-144.	3.3	46
1476	Mass flow measurement of gas-liquid two-phase CO 2 in CCS transportation pipelines using Coriolis flowmeters. International Journal of Greenhouse Gas Control, 2018, 68, 269-275.	2.3	27
1477	The memory degradation based online sequential extreme learning machine. Neurocomputing, 2018, 275, 2864-2879.	3.5	13
1478	An adaptive graph learning method based on dual data representations for clustering. Pattern Recognition, 2018, 77, 126-139.	5.1	25
1479	Robust and efficient face recognition via low-rank supported extreme learning machine. Multimedia Tools and Applications, 2018, 77, 11219-11240.	2.6	12
1480	Bi-directional extreme learning machine for semi-blind watermarking of compressed images. Journal of Information Security and Applications, 2018, 38, 71-84.	1.8	22
1481	Short-term wind speed and wind power prediction using hybrid empirical mode decomposition and kernel ridge regression. Applied Soft Computing Journal, 2018, 70, 1167-1188.	4.1	149
1482	Empirical Wavelet Transform Based Features for Classification of Parkinson's Disease Severity. Journal of Medical Systems, 2018, 42, 29.	2.2	54
1483	Forecasting Daily Runoff by Extreme Learning Machine Based on Quantum-Behaved Particle Swarm Optimization. Journal of Hydrologic Engineering - ASCE, 2018, 23, .	0.8	78
1484	Variational mode decomposition and weighted online sequential extreme learning machine for power quality event patterns recognition. Neurocomputing, 2018, 310, 10-27.	3.5	34
1485	Data-driven prediction model for adjusting burden distribution matrix of blast furnace based on improved multilayer extreme learning machine. Soft Computing, 2018, 22, 3575-3589.	2.1	14
1486	Sparse Recursive Least Mean p-Power Extreme Learning Machine for Regression. IEEE Access, 2018, 6, 16022-16034.	2.6	6
1487	Efficient facial expression recognition using histogram of oriented gradients in wavelet domain. Multimedia Tools and Applications, 2018, 77, 28725-28747.	2.6	57
1488	Performance analysis of unorganized machines in streamflow forecasting of Brazilian plants. Applied Soft Computing Journal, 2018, 68, 494-506.	4.1	34

#	Article	IF	CITATIONS
1489	Recurrent Kernel Extreme Reservoir Machine for Time Series Prediction. IEEE Access, 2018, 6, 19583-19596.	2.6	18
1490	Feature selection in machine learning prediction systems for renewable energy applications. Renewable and Sustainable Energy Reviews, 2018, 90, 728-741.	8.2	114
1491	Robust Bad Data Detection Method for Microgrid Using Improved ELM and DBSCAN Algorithm. Journal of Energy Engineering - ASCE, 2018, 144, 04018026.	1.0	17
1492	Indirect measurement and extreme learning machine based modelling for flux linkage of doubly salient electromagnetic machine. IET Electric Power Applications, 2018, 12, 643-650.	1.1	7
1493	Extreme Learning Machine With Enhanced Composite Feature for Spectral-Spatial Hyperspectral Image Classification. IEEE Access, 2018, 6, 22645-22654.	2.6	25
1494	Combining extreme learning machine with modified sine cosine algorithm for detection of pathological brain. Computers and Electrical Engineering, 2018, 68, 366-380.	3.0	46
1495	Representative Skyline Queries With Total and Partial Order Domains Using US-ELM. IEEE Access, 2018, 6, 10410-10420.	2.6	0
1496	MISNA - A musical instrument segregation system from noisy audio with LPCC-S features and extreme learning. Multimedia Tools and Applications, 2018, 77, 27997-28022.	2.6	13
1497	A random matrix approach to neural networks. Annals of Applied Probability, 2018, 28, .	0.6	40
1498	Efficient extreme learning machine via very sparse random projection. Soft Computing, 2018, 22, 3563-3574.	2.1	20
1499	A survey of 2D shape representation: Methods, evaluations, and future research directions. Neurocomputing, 2018, 300, 1-16.	3.5	40
1500	Enhancing Localization Accuracy of MEMS-INS/GPS/In-Vehicle Sensors Integration During GPS Outages. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 1966-1978.	2.4	105
1501	Inferring Cognitive Wellness from Motor Patterns. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 2340-2353.	4.0	13
1502	Automatic Power Quality Events Recognition Based on Hilbert Huang Transform and Weighted Bidirectional Extreme Learning Machine. IEEE Transactions on Industrial Informatics, 2018, 14, 3849-3858.	7.2	106
1503	An Extreme Learning Machine-Based Neuromorphic Tactile Sensing System for Texture Recognition. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 313-325.	2.7	63
1504	Learner support in MOOCs: Identifying variables linked to completion. Computers and Education, 2018, 122, 153-168.	5.1	77
1505	Single and Simultaneous Fault Diagnosis With Application to a Multistage Gearbox: A Versatile Dual-ELM Network Approach. IEEE Transactions on Industrial Informatics, 2018, 14, 5245-5255.	7.2	60
1506	Inspired grey wolf optimizer for solving large-scale function optimization problems. Applied Mathematical Modelling, 2018, 60, 112-126.	2.2	130

#	Article	IF	CITATIONS
1507	Chinese vehicle license plate recognition using kernelâ€based extreme learning machine with deep convolutional features. IET Intelligent Transport Systems, 2018, 12, 213-219.	1.7	55
1508	Knowledge Aided Adaptive Localization via Global Fusion Profile. IEEE Internet of Things Journal, 2018, 5, 1081-1089.	5.5	28
1509	Timeliness online regularized extreme learning machine. International Journal of Machine Learning and Cybernetics, 2018, 9, 465-476.	2.3	16
1510	An efficient cascaded method for network intrusion detection based on extreme learning machines. Journal of Supercomputing, 2018, 74, 5797-5812.	2.4	11
1511	On a new approach for Lagrangian support vector regression. Neural Computing and Applications, 2018, 29, 533-551.	3.2	2
1512	An initial study on the rank of input matrix for extreme learning machine. International Journal of Machine Learning and Cybernetics, 2018, 9, 867-879.	2.3	14
1513	Optimal parameters of an ELM-based interval type 2 fuzzy logic system: a hybrid learning algorithm. Neural Computing and Applications, 2018, 29, 1001-1014.	3.2	6
1514	Time series forecasting by recurrent product unit neural networks. Neural Computing and Applications, 2018, 29, 779-791.	3.2	18
1515	A Novel AdaBoost Framework With Robust Threshold and Structural Optimization. IEEE Transactions on Cybernetics, 2018, 48, 64-76.	6.2	53
1516	Information discriminative extreme learning machine. Soft Computing, 2018, 22, 677-689.	2.1	14
1517	Extreme learning machine for structured output spaces. Neural Computing and Applications, 2018, 30, 1251-1264.	3.2	8
1518	Kernel-Based Multilayer Extreme Learning Machines for Representation Learning. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 757-762.	7.2	141
1519	Non-tuned machine learning approach for hydrological time series forecasting. Neural Computing and Applications, 2018, 30, 1479-1491.	3.2	76
1520	Wavelet transform and Kernel-based extreme learning machine for electricity price forecasting. Energy Systems, 2018, 9, 113-134.	1.8	16
1521	Kernel online sequential ELM algorithm with sliding window subject to time-varying environments. Memetic Computing, 2018, 10, 43-52.	2.7	8
1522	A Parallel Multiclassification Algorithm for Big Data Using an Extreme Learning Machine. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2337-2351.	7.2	134
1523	Data-Driven Photovoltaic Power Production Nowcasting and Forecasting for Polygeneration Microgrids. IEEE Systems Journal, 2018, 12, 2842-2853.	2.9	27
1524	OKRELM: online kernelized and regularized extreme learning machine for wearable-based activity recognition. International Journal of Machine Learning and Cybernetics, 2018, 9, 1577-1590.	2.3	23

#	Article	IF	Citations
1525	Discovering the Relationship Between Generalization and Uncertainty by Incorporating Complexity of Classification. IEEE Transactions on Cybernetics, 2018, 48, 703-715.	6.2	91
1526	Improved universal quantitative steganalysis in spatial domain using ELM ensemble. Multimedia Tools and Applications, 2018, 77, 7447-7468.	2.6	13
1527	Local derivative pattern for action recognition in depth images. Multimedia Tools and Applications, 2018, 77, 8531-8549.	2.6	11
1528	Active object recognition using hierarchical local-receptive-field-based extreme learning machine. Memetic Computing, 2018, 10, 233-241.	2.7	20
1529	Prediction model of permeability index for blast furnace based on the improved multi-layer extreme learning machine and wavelet transform. Journal of the Franklin Institute, 2018, 355, 1663-1691.	1.9	25
1530	A Regularized SNPOM for Stable Parameter Estimation of RBF-AR(X) Model. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 779-791.	7.2	29
1531	Two swarm intelligence approaches for tuning extreme learning machine. International Journal of Machine Learning and Cybernetics, 2018, 9, 1271-1283.	2.3	16
1532	An intelligent propagation distance estimation algorithm based on fundamental frequency energy distribution for periodic vibration localization. Journal of the Franklin Institute, 2018, 355, 1539-1558.	1.9	12
1533	EEG-Based Emotion Recognition Using Hierarchical Network With Subnetwork Nodes. IEEE Transactions on Cognitive and Developmental Systems, 2018, 10, 408-419.	2.6	97
1534	Cascaded Hidden Space Feature Mapping, Fuzzy Clustering, and Nonlinear Switching Regression on Large Datasets. IEEE Transactions on Fuzzy Systems, 2018, 26, 640-655.	6.5	16
1535	Hyperspectral remote sensing image classification with information discriminative extreme learning machine. Multimedia Tools and Applications, 2018, 77, 5803-5818.	2.6	7
1536	Estimating heating load in buildings using multivariate adaptive regression splines, extreme learning machine, a hybrid model of MARS and ELM. Renewable and Sustainable Energy Reviews, 2018, 82, 4256-4268.	8.2	102
1537	Interactive evolutionary approaches to multiobjective feature selection. International Transactions in Operational Research, 2018, 25, 1027-1052.	1.8	5
1538	Data reconciliation strategy with time registration for the evaporation process in alumina production. Canadian Journal of Chemical Engineering, 2018, 96, 189-204.	0.9	12
1539	Prediction of the hot metal silicon content in blast furnace based on extreme learning machine. International Journal of Machine Learning and Cybernetics, 2018, 9, 1697-1706.	2.3	26
1540	Combined Fault Location and Classification for Power Transmission Lines Fault Diagnosis With Integrated Feature Extraction. IEEE Transactions on Industrial Electronics, 2018, 65, 561-569.	5.2	168
1541	Financial Soundness Prediction Using a Multi-classification Model: Evidence from Current Financial Crisis in OECD Banks. Computational Economics, 2018, 52, 275-297.	1.5	21
1542	Top-K representative documents query over geo-textual data stream. World Wide Web, 2018, 21, 537-555.	2.7	8

#	Article	IF	CITATIONS
1543	Inferring imagined speech using EEG signals: a new approach using Riemannian manifold features. Journal of Neural Engineering, 2018, 15, 016002.	1.8	144
1544	Big data regression with parallel enhanced and convex incremental extreme learning machines. Computational Intelligence, 2018, 34, 875-894.	2.1	1
1545	Segmentation of the left ventricle in cardiac MRI using a hierarchical extreme learning machine model. International Journal of Machine Learning and Cybernetics, 2018, 9, 1741-1751.	2.3	16
1546	Ensemble based reactivated regularization extreme learning machine for classification. Neurocomputing, 2018, 275, 255-266.	3.5	8
1547	Structural learning in artificial neural networks using sparse optimization. Neurocomputing, 2018, 272, 660-667.	3.5	28
1548	Knowledge discovery in data streams with the orthogonal series-based generalized regression neural networks. Information Sciences, 2018, 460-461, 497-518.	4.0	26
1549	Differential evolution-based multi-objective optimization for the definition of a health indicator for fault diagnostics and prognostics. Mechanical Systems and Signal Processing, 2018, 102, 382-400.	4.4	84
1550	A survival ensemble of extreme learning machine. Applied Intelligence, 2018, 48, 1846-1858.	3.3	8
1551	Improving capability of conceptual modeling of watershed rainfall–runoff using hybrid wavelet-extreme learning machine approach. Journal of Hydroinformatics, 2018, 20, 69-87.	1.1	25
1552	Web Media and Stock Markets: A Survey and Future Directions from a Big Data Perspective. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 381-399.	4.0	70
1553	Data decomposition based fast reduced kernel extreme learning machine for currency exchange rate forecasting and trend analysis. Expert Systems With Applications, 2018, 96, 427-449.	4.4	39
1554	A novel feature selection framework with Hybrid Feature-Scaled Extreme Learning Machine (HFS-ELM) for indoor occupancy estimation. Energy and Buildings, 2018, 158, 1139-1151.	3.1	26
1555	Efficient and effective strategies for cross-corpus acoustic emotion recognition. Neurocomputing, 2018, 275, 1028-1034.	<b>3.</b> 5	57
1556	Local kernel alignment based multi-view clustering using extreme learning machine. Neurocomputing, 2018, 275, 1099-1111.	3.5	19
1557	Ensemble dropout extreme learning machine via fuzzy integral for data classification. Neurocomputing, 2018, 275, 1043-1052.	3.5	35
1558	Particle swarm optimization based extreme learning neuro-fuzzy system for regression and classification. Expert Systems With Applications, 2018, 92, 474-484.	4.4	31
1559	Hyperspectral image classification by AdaBoost weighted composite kernel extreme learning machines. Neurocomputing, 2018, 275, 1725-1733.	3.5	55
1560	Less annotation on active learning using confidence-weighted predictions. Neurocomputing, 2018, 275, 1629-1636.	3.5	2

#	Article	IF	CITATIONS
1561	Prediction of Customer Satisfaction Using Naive Bayes, MultiClass Classifier, K-Star and IBK. Advances in Intelligent Systems and Computing, 2018, , 153-161.	0.5	6
1562	An Online Sequential Learning Non-parametric Value-at-Risk Model for High-Dimensional Time Series. Cognitive Computation, 2018, 10, 187-200.	3.6	6
1563	Data-driven reconstruction method for electrical capacitance tomography. Neurocomputing, 2018, 273, 333-345.	3.5	29
1564	Predicting compressive strength of lightweight foamed concrete using extreme learning machine model. Advances in Engineering Software, 2018, 115, 112-125.	1.8	288
1565	Techniques and algorithms for computer aided diagnosis of pigmented skin lesions—A review. Biomedical Signal Processing and Control, 2018, 39, 237-262.	3.5	172
1566	Semi-supervised multi-graph classification using optimal feature selection and extreme learning machine. Neurocomputing, 2018, 277, 89-100.	3.5	13
1567	Video anomaly detection and localization by local motion based joint video representation and OCELM. Neurocomputing, 2018, 277, 161-175.	3.5	55
1568	A review on neural networks with random weights. Neurocomputing, 2018, 275, 278-287.	3.5	360
1569	Kernel based online learning for imbalance multiclass classification. Neurocomputing, 2018, 277, 139-148.	3.5	54
1570	Extreme Learning Machine for Joint Embedding and Clustering. Neurocomputing, 2018, 277, 78-88.	3.5	33
1571	3D human gesture capturing and recognition by the IMMU-based data glove. Neurocomputing, 2018, 277, 198-207.	3.5	87
1572	Improving the multimodal probabilistic semantic model by ELM classifiers. Journal of the Franklin Institute, 2018, 355, 1967-1990.	1.9	4
1573	Discriminant document embeddings with an extreme learning machine for classifying clinical narratives. Neurocomputing, 2018, 277, 129-138.	3.5	22
1574	Extreme learning machines with heterogeneous data types. Neurocomputing, 2018, 277, 38-52.	3.5	6
1575	Online extreme learning machine based modeling and optimization for point-by-point engine calibration. Neurocomputing, 2018, 277, 187-197.	3.5	23
1576	Automatic detection of neovascularization in retinal images using extreme learning machine. Neurocomputing, 2018, 277, 218-227.	3.5	20
1577	Probabilistic group nearest neighbor query optimization based on classification using ELM. Neurocomputing, 2018, 277, 21-28.	3.5	11
1578	A clustering method based on extreme learning machine. Neurocomputing, 2018, 277, 108-119.	3.5	30

#	Article	IF	CITATIONS
1579	Probabilistic Regularized Extreme Learning Machine for Robust Modeling of Noise Data. IEEE Transactions on Cybernetics, 2018, 48, 2368-2377.	6.2	22
1580	Odorant clustering based on molecular parameter-feature extraction and imaging analysis of olfactory bulb odor maps. Sensors and Actuators B: Chemical, 2018, 255, 508-518.	4.0	11
1581	Towards enhancing stacked extreme learning machine with sparse autoencoder by correntropy. Journal of the Franklin Institute, 2018, 355, 1945-1966.	1.9	77
1582	Noise-modulated neural networks as an application of stochastic resonance. Neurocomputing, 2018, 277, 29-37.	3.5	32
1583	ELM based architecture for general purpose automatic weight and structure learning. Neurocomputing, 2018, 275, 804-817.	3.5	2
1584	Financial time series prediction using â,, 2,1 RF-ELM. Neurocomputing, 2018, 277, 176-186.	3.5	23
1585	Discriminating cirRNAs from other IncRNAs using a hierarchical extreme learning machine (H-ELM) algorithm with feature selection. Molecular Genetics and Genomics, 2018, 293, 137-149.	1.0	65
1586	Spectral regression based marginal Fisher analysis dimensionality reduction algorithm. Neurocomputing, 2018, 277, 101-107.	3.5	7
1587	A novel multimodal retrieval model based on ELM. Neurocomputing, 2018, 277, 65-77.	3.5	6
1588	A hybrid deep learning CNN–ELM for age and gender classification. Neurocomputing, 2018, 275, 448-461.	<b>3.</b> 5	179
1589	Two-step fault diagnosis framework for rolling element bearings with imbalanced data based on GSA-WELM and GSA-ELM. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 2937-2947.	1.1	7
1590	Shallow-sea application of an intelligent fusion module for low-cost sensors in AUV. Ocean Engineering, 2018, 148, 386-400.	1.9	15
1591	Multi-kernel extreme learning machine for EEG classification in brain-computer interfaces. Expert Systems With Applications, 2018, 96, 302-310.	4.4	208
1592	Outdoor Path Loss Predictions Based on Extreme Learning Machine. Wireless Personal Communications, 2018, 99, 441-460.	1.8	36
1593	Fuzzy wavelet extreme learning machine. Fuzzy Sets and Systems, 2018, 342, 90-108.	1.6	18
1594	Improved binary dragonfly optimization algorithm and wavelet packet based non-linear features for infant cry classification. Computer Methods and Programs in Biomedicine, 2018, 155, 39-51.	2.6	66
1595	Feature selection of generalized extreme learning machine for regression problems. Neurocomputing, 2018, 275, 2810-2823.	3.5	12
1596	ELM with guaranteed performance for online approximation of dynamical systems. Nonlinear Dynamics, 2018, 91, 1587-1603.	2.7	20

#	Article	IF	CITATIONS
1597	Restricted Boltzmann machine to determine the input weights for extreme learning machines. Expert Systems With Applications, 2018, 96, 77-85.	4.4	31
1598	Mortality prediction for ICU patients combining just-in-time learning and extreme learning machine. Neurocomputing, 2018, 281, 12-19.	3.5	26
1599	Data exfiltration: A review of external attack vectors and countermeasures. Journal of Network and Computer Applications, 2018, 101, 18-54.	5.8	72
1600	A wavelet-extreme learning machine for low-cost INS/GPS navigation system in high-speed applications. GPS Solutions, 2018, 22, 1.	2.2	43
1601	A novel ensemble-based wrapper method for feature selection using extreme learning machine and genetic algorithm. Knowledge and Information Systems, 2018, 57, 389-412.	2.1	53
1602	A Multi-Valued Neuron Based Complex ELM Neural Network. Neural Processing Letters, 2018, 48, 389-401.	2.0	12
1603	Deformation analysis and experiments for functional surface of composite antenna structure. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 895-907.	1.1	4
1604	Model NOx emission and thermal efficiency of CFBB based on an ameliorated extreme learning machine. Soft Computing, 2018, 22, 4685-4701.	2.1	7
1605	Deep Learning of Semisupervised Process Data With Hierarchical Extreme Learning Machine and Soft Sensor Application. IEEE Transactions on Industrial Electronics, 2018, 65, 1490-1498.	5.2	223
1606	A wireless sensor network location algorithm based on insufficient fingerprint information. Modern Physics Letters B, 2018, 32, 1840093.	1.0	11
1607	Hybrid Genetic Algorithm based Fuzzy Inference System for Data Regression. , 2018, , .		0
1608	A Linguistically Interpretable ELANFIS for Classification Problems. , 2018, , .		1
1609	A hybrid Particle swarm optimization -Extreme Learning Machine approach for Intrusion Detection System. , 2018, , .		13
1610	Modeling of Soft Sensor Based on DBN-ELM and Its Application in Measurement of Nutrient Solution Composition for Soilless Culture. , 2018, , .		7
1611	Constrained Optimization-Based Extreme Learning Machines with Bagging for Freezing of Gait Detection. Big Data and Cognitive Computing, 2018, 2, 31.	2.9	6
1612	Accurate Prediction of Sintering Temperature in Rotary Kiln Based on Phase Space Reconstruction. , 2018, , .		O
1613	BELMKN: Bayesian Extreme Learning Machines Kohonen Network. Algorithms, 2018, 11, 56.	1.2	9
1614	Automatic design of basin-specific drought indexes for highly regulated water systems. Hydrology and Earth System Sciences, 2018, 22, 2409-2424.	1.9	16

#	Article	IF	CITATIONS
1615	Evolutionary Extreme Learning Machine for the Interval Type-2 Radial Basis Function Neural Network: A Fuzzy Modelling Approach. , $2018$ , , .		7
1616	Hierarchical Ensemble Learning for Alzheimer's Disease Classification. , 2018, , .		5
1617	A fast kernel extreme learning machine based on conjugate gradient. Network: Computation in Neural Systems, 2018, 29, 70-80.	2.2	5
1618	Facial Region Segmentation Based Emotion Recognition Using Extreme Learning Machine. , 2018, , .		4
1619	An Enhanced Deep Extreme Learning Machine for Integrated Modular Avionics Health State Estimation. IEEE Access, 2018, 6, 65813-65823.	2.6	3
1620	RSSI-based Floor Localization Using Principal Component Analysis and Ensemble Extreme Learning Machine Technique. , 2018, , .		8
1621	HYPERSPECTRAL SUPERVISED CLASSIFICATION USING MEAN FILTERING BASED KERNEL EXTREME LEARNING MACHINE. , $2018,  ,  .$		3
1622	An Extreme Learning Machine with Feature Selection for Estimating Mechanical Properties of Lightweight Aggregate Concretes. , 2018, , .		1
1623	Extended Extreme Learning Machine: A Novel Framework for Neural Network. , 2018, , .		1
1624	The Remaining Useful Life Estimation of Lithium-ion Battery Based on Improved Extreme Learning Machine Algorithm. International Journal of Electrochemical Science, 2018, 13, 4991-5004.	0.5	30
1625	Extreme Learning Machine for Graph Signal Processing. , 2018, , .		2
1626	Prediction of Direct Normal Irradiance using a Novel Multi-model Algorithm., 2018,,.		1
1627	Automatic Generation of Labanotation Based On Extreme Learning Machine with Skeleton Topology Feature. , 2018, , .		7
1628	Enhanced Recurrent Extreme Learning Machine Using Gray Wolf Optimization for Load Forecasting. , 2018, , .		4
1629	An ELM based multi-agent system and its applications to power generation. Intelligent Decision Technologies, 2018, 12, 163-171.	0.6	3
1630	A Novel Sea Ice Classification Method from Hyperspectral Image Based on Bagging PCA Hashing. , 2018, , .		2
1631	Net Asset Value Prediction Using Extreme Learning Machine with Dolphin Swarm Algorithm. , 2018, , .		6
1632	Novel Improved UKF Algorithm and Its Application in AUV Navigation System. , 2018, , .		7

#	Article	IF	CITATIONS
1633	Spectral quantitative analysis based on AdaBoost kernel extreme learning machine for gas component prediction of underground cable channel. , $2018$ , , .		0
1634	Breast cancer diagnosis using an enhanced Extreme Learning Machine based-Neural Network. , 2018, , .		18
1635	Forecasting and Early Warning for Adversarial Targeting in Industrial Control Systems. , 2018, , .		4
1636	Network Traffic Classification Based on AR-ELM Algorithm*., 2018,,.		0
1637	Neuro-Fuzzy Control of DFIG Wind Energy System with Distribution Network. Electric Power Components and Systems, 2018, 46, 1416-1431.	1.0	14
1638	Wood material recognition for industrial applications. Systems Science and Control Engineering, 2018, 6, 346-358.	1.8	3
1639	Canonical ELM: Improving the Performance of Extreme Learning Machines on Multivariate Regression Tasks Using Canonical Correlations. , $2018$ , , .		1
1640	Local Gaussian Processes for Identifying Complex Mobile robot System. , 2018, , .		0
1641	Evaluation of Kernel-Based Extreme Learning Machine Performance for Prediction of Chronic Kidney Disease. , 2018, , .		11
1642	A New Radar Signal Recognition Method Based on Optimal Classification Atom and IDCQGA. Symmetry, 2018, 10, 659.	1.1	1
1643	A Study of Exact Ridge Regression for Big Data. , 2018, , .		1
1644	Error Diffused Halftohe Classification Using Stochastic Geometrical Features. , 2018, , .		0
1645	Driving Style Recognition based on Ride Comfort Using a Hybrid Machine Learning Algorithm., 2018,,.		11
1646	Network Intrusion Detection Based on Lightning Search Algorithm Optimized Extreme Learning Machine. , 2018, , .		2
1647	The Study of Synthetic Minority Over-sampling Technique (SMOTE) and Weighted Extreme Learning Machine for Handling Imbalance Problem on Multiclass Microarray classification. , 2018, , .		6
1648	An Improved Iris Recognition Algorithm Based on Hybrid Feature and ELM. IOP Conference Series: Materials Science and Engineering, 2018, 322, 052030.	0.3	1
1649	Determination of coal properties using laser-induced breakdown spectroscopy combined with kernel extreme learning machine and variable selection. Journal of Analytical Atomic Spectrometry, 2018, 33, 2089-2097.	1.6	33
1650	Semi-Supervised Online Elastic Extreme Learning Machine for Data Classification. , 2018, , .		5

#	Article	IF	CITATIONS
1651	Estimation of the Energy Production in a Wind Farm Using Regression Methods and Wind Speed Forecast. , 2018, , .		2
1652	Application of multifractal detrended fluctuation analysis in fault diagnosis for a railway track circuit. HKIE Transactions, 2018, 25, 44-55.	1.9	1
1653	Flexible ranking extreme learning machine based on matrix-centering transformation. , 2018, , .		0
1654	Deep Kernel Extreme-Learning Machine for the Spectral–Spatial Classification of Hyperspectral Imagery. Remote Sensing, 2018, 10, 2036.	1.8	32
1655	An Improvement of Extreme Learning Machine Using Subclass Clustering. , 2018, , .		0
1656	A Classification of Milling TCM Based on Bandpass Filter and Kernel Extreme Learning Machine. , 2018, , .		0
1657	KPCA- KELM Ensemble based Incipient Fault Diagnosis Approach of Analog Circuits. , 2018, , .		1
1658	Modeling of Piercing Based on DEFORM-3D and the Ensemble OSC-PLS-ELM Method. IEEE Access, 2018, 6, 63537-63545.	2.6	0
1659	An Extreme Learning Machine Based Pretraining Method for Multi-Layer Neural Networks. , 2018, , .		0
1660	Adaptive Critic Design for Extreme Learning Machines applied to noisy and drifting industrial processes. , 2018, , .		7
1661	Random Fourier Features Based Extended Kernel Recursive Least Squares with Application to fMRI Decoding. , $2018$ , , .		1
1662	Analysis and modeling of harmonic distortions in consumer's distribution networks, containing a powerful non-linear load. E3S Web of Conferences, 2018, 58, 03015.	0.2	2
1663	Online Prediction Method of Cement Clinker f-Cao Based on K-ELM. , 2018, , .		3
1664	A New Protocol for On-line User Authentication Based on 1 Out of n Types of Personal Data., 2018,,.		0
1665	Agglomeration Monitoring of Fluidized Bed Reactor Based on Voiceprint Feature Extraction., 2018,,.		0
1666	A Novel Sparse Extreme Learning Machine based Classifier. , 2018, , .		0
1667	Kernel Extreme Learning Machine joint Spatial-spectral Information for Hyperspectral Image Classification. , 2018, , .		0
1668	Advance Predictions of critical digressions in a noisy industrial process- performance of Extreme Learning Machines versus Artificial Neural Networks. IFAC-PapersOnLine, 2018, 51, 98-105.	0.5	4

#	Article	IF	Citations
1669	Semi-supervised Multi-kernel Extreme Learning Machine. Procedia Computer Science, 2018, 129, 305-311.	1.2	4
1670	Applicability of Deep Learning Models for Stock Price Forecasting An Empirical Study on BANKEX Data. Procedia Computer Science, 2018, 143, 947-953.	1.2	51
1671	An Autonomous Selection Method for Spatial Pooling Based on Chi-Square Test. , 2018, , .		2
1672	A RBF Network Approach for Function Approximation. , 2018, , .		O
1673	Kernel Extreme Learning Machine Based Domain Adaptation. , 2018, , .		1
1674	Iterative Extreme Learning Machine. , 2018, , .		0
1675	Human Behavior Recognition Based on Regional Fusion Feature. , 2018, , .		0
1676	A Pinball loss based Extreme Learning Machine for pattern classification. , 2018, , .		O
1677	The Method of Short Term Load Forecasting for Micro Grid Using Limit Learning. IOP Conference Series: Earth and Environmental Science, 2018, 170, 042153.	0.2	0
1678	Traffic Sign Detection using Deep Random Mapping Autoencoder Network. , 2018, , .		2
1679	ECG Classification using Kernel Extreme Learning Machine. , 2018, , .		10
1680	Survey of Kernel Extreme Learning Machine Kernel Function Based on the Perspective of Kernel Parameter Optimization Time. , 2018, , .		O
1681	A Modified Residual Extreme Learning Machine Algorithm and Its Application. IEEE Access, 2018, 6, 62215-62223.	2.6	7
1682	Imbalanced Data Classification Based on Extreme Learning Machine Autoencoder. , 2018, , .		7
1683	A Privacy Preserving Protocol for Cloud-Based Implementation of Aware Agents. Journal of Information Processing, 2018, 26, 486-496.	0.3	0
1684	PF-FELM: A Robust PCA Feature Selection for Fuzzy Extreme Learning Machine. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 1303-1312.	7.3	16
1685	On line fault diagnosis of rolling bearings based on feature fusion. , 2018, , .		2
1686	Inter-Sensor Regression Analysis for Operational Sentinel-2 and Sentinel-3 Data Products., 2018,,.		0

#	Article	IF	CITATIONS
1687	Classification of propofol-induced sedation states using brain connectivity analysis., 2018, 2018, 1-4.		1
1688	Pseudo-Solution of Weight Equations in Neural Networks: Application for Statistical Parameters Estimation. STEAM-H: Science, Technology, Engineering, Agriculture, Mathematics & Health, 2018, , 359-374.	0.0	O
1689	A Multisensor Fusion Method for Tool Condition Monitoring in Milling. Sensors, 2018, 18, 3866.	2.1	65
1690	Damage Online Inspection in Large-Aperture Final Optics. Lecture Notes in Computer Science, 2018, , 237-248.	1.0	2
1691	Hyperspectral Image Classification Based on Improved Rotation Forest Algorithm. Sensors, 2018, 18, 3601.	2.1	6
1692	Text Categorization Using a Novel Feature Selection Technique Combined with ELM. Advances in Intelligent Systems and Computing, 2018, , 217-228.	0.5	1
1693	Neural network method for lossless two-conductor transmission line equations based on the IELM algorithm. AIP Advances, $2018,8,.$	0.6	3
1694	Ensemble of Extreme Learning Machines for Regression. , 2018, , .		3
1695	A Precise Tidal Level Prediction Method Using Improved Extreme Learning Machine with Sliding Data Window. , 2018, , .		2
1696	Improving Principal Component Analysis Performance for Reducing Spectral Dimension in Hyperspectral Image Classification. , 2018, , .		1
1697	Hyperspectral Image Classification Using Reduced Extreme Learning Machine. , 2018, , .		0
1698	Extreme Learning Machine Based Prognostics of Battery Life. International Journal on Artificial Intelligence Tools, 2018, 27, 1850036.	0.7	17
1699	A Noise-Resilient Online Learning Algorithm for Scene Classification. Remote Sensing, 2018, 10, 1836.	1.8	23
1700	A Novel Robot Teaching System Based on Mixed Reality. , 2018, , .		3
1701	A Novel Ensemble Approach for Solving the Transient Stability Classification Problem. , 2018, , .		11
1702	Feature Selection Method for Power System Transient Stability Status Prediction Considering Class Imbalanced Characteristic. , 2018, , .		1
1703	Semi-Trained Memristive Crossbar Computing Engine with In Situ Learning Accelerator. ACM Journal on Emerging Technologies in Computing Systems, 2018, 14, 1-16.	1.8	3
1704	Cost-Sensitive Distributed Machine Learning for NetFlow-Based Botnet Activity Detection. Security and Communication Networks, 2018, 2018, 1-8.	1.0	15

#	Article	IF	Citations
1705	Network Intrusion Detection Based on Kernel Principal Component Analysis and Extreme Learning Machine. , 2018, , .		1
1706	Semi-Supervised Ridge Regression with Adaptive Graph-Based Label Propagation. Applied Sciences (Switzerland), 2018, 8, 2636.	1.3	4
1707	Lagrangian Duality with ELM for Word Sense Multiprototype Discovery. Applied Artificial Intelligence, 2018, 32, 979-990.	2.0	0
1708	A Design of TSK-Based ELM for Prediction of Electrical Power in Combined Cycle Power Plant. , 2018, , .		0
1709	Sequential Human Activity Recognition Based on Deep Convolutional Network and Extreme Learning Machine Using Wearable Sensors. Journal of Sensors, 2018, 2018, 1-10.	0.6	51
1710	Green cover change detection using a modified adaptive ensemble of extreme learning machines for North-Western India. Journal of King Saud University - Computer and Information Sciences, 2021, 33, 1265-1273.	2.7	3
1711	Soft sensor of wet ball mill load based on DAMKELM model. , 2018, , .		0
1712	Cooperative Spectrum Sensing using Extreme Learning Machine for Cognitive Radio Networks with Multiple Primary Users. , 2018, , .		8
1713	Empirical Mode Decomposition, Extreme Learning Machine and Long Short-Term Memory for Time Series Prediction: A Comparative Study. , 2018, , .		1
1714	Boosting for Domain Adaptation Extreme Learning Machines for Hyperspectral Image Classification. , 2018, , .		2
1715	Real-time Driver Identification using Vehicular Big Data and Deep Learning. , 2018, , .		14
1716	Evolutionary Hierarchical Sparse Extreme Learning Autoencoder Network for Object Recognition. Symmetry, 2018, 10, 474.	1.1	6
1717	Regularized Extreme Learning Machine Ensemble Using Bagging for Tropical Cyclone Tracks Prediction. Lecture Notes in Computer Science, 2018, , 203-215.	1.0	2
1718	Classification Asymptotics in the Random Matrix Regime. , 2018, , .		5
1719	A Modified Ensemble Framework Based on Extreme Learning Machines for Gas Utilization Ratio Prediction. , 2018, , .		0
1720	A Unified Framework of Random Feature KLMS Algorithms and Convergence Analysis. , $2018, \ldots$		3
1721	Hyperspectral Identification and Classification of Oilseed Rape Waterlogging Stress Levels Using Parallel Computing. IEEE Access, 2018, 6, 57663-57675.	2.6	13
1722	Evaluation of Different Regularization Methods for the Extreme Learning Machine Applied to Hyperspectral Images., 2018,,.		1

#	Article	IF	CITATIONS
1723	Optimizing Weighted ELM Based on Gray Wolf Optimizer for Imbalanced Data Classification. , 2018, , .		6
1724	An Extreme Learning Machine Approach to Effective Energy Disaggregation. Electronics (Switzerland), 2018, 7, 235.	1.8	48
1725	Super-Graph Classification Based on Composite Subgraph Features and Extreme Learning Machine. Cognitive Computation, 2018, 10, 922-936.	3.6	8
1726	Deep Weighted Extreme Learning Machine. Cognitive Computation, 2018, 10, 890-907.	3.6	31
1727	Dynamic Adjustment Kernel Extreme Learning Machine for Microwave Component Design. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 4452-4461.	2.9	54
1728	Analysis of Water, Ethanol, and Fructose Mixtures Using Nondestructive Resonant Spectroscopy of Mechanical Vibrations and a Grouping Genetic Algorithm. Sensors, 2018, 18, 2695.	2.1	2
1729	Benchmark dataset for midâ€price forecasting of limit order book data with machine learning methods. Journal of Forecasting, 2018, 37, 852-866.	1.6	75
1730	A Hybrid Ensemble of Heterogeneous Regressors for Wind Speed Estimation inÂWind Farms. Studies in Computational Intelligence, 2018, , 97-106.	0.7	0
1731	Regularization incremental extreme learning machine with random reduced kernel for regression. Neurocomputing, 2018, 321, 72-81.	3.5	25
1732	Cross-Domain Subspace Learning Approach. , 2018, , 193-208.		0
1733	Application of Multiboost-KELM algorithm to alleviate the collinearity of log curves for evaluating the abundance of organic matter in marine mud shale reservoirs: a case study in Sichuan Basin, China. Acta Geophysica, 2018, 66, 983-1000.	1.0	27
1734	Machine Learning Based High Accuracy Indoor Visible Light Location Algorithm. , 2018, , .		11
1735	Classification of Hyperspectral Remote Sensing Image Data from IoT Based on Rotation Forest and ELM with Kernel. , 2018, , .		1
1736	Research on Fault Diagnosis of a Marine Fuel System Based on the SaDE-ELM Algorithm. Algorithms, 2018, 11, 82.	1.2	7
1737	Review and big data perspectives on robust data mining approaches for industrial process modeling with outliers and missing data. Annual Reviews in Control, 2018, 46, 107-133.	4.4	202
1738	Class-specific kernelized extreme learning machine for binary class imbalance learning. Applied Soft Computing Journal, 2018, 73, 1026-1038.	4.1	37
1739	SAAMEAT., 2018,,.		4
1740	Spectral and Spatial Kernel Extreme Learning Machine for Hyperspectral Image Classification. Lecture Notes in Computer Science, 2018, , 394-401.	1.0	1

#	Article	IF	CITATIONS
1741	Safe Semi-Supervised Extreme Learning Machine for EEG Signal Classification. IEEE Access, 2018, 6, 49399-49407.	2.6	27
1742	Parameter Transfer Extreme Learning Machine based on Projective Model. , 2018, , .		12
1743	Octree-based Convolutional Autoencoder Extreme Learning Machine for 3D Shape Classification. , 2018, , .		3
1744	Convolutional Neural Network Features Comparison Between Back-Propagation and Extreme Learning Machine. , 2018, , .		6
1745	Wind Speed and Solar Irradiance Prediction Using Advanced Neuro-Fuzzy Inference System., 2018,,.		6
1746	Recognizing Human Actions Using 3D Motion Trail Model. , 2018, , .		0
1748	Multi-View CNN Feature Aggregation with ELM Auto-Encoder for 3D Shape Recognition. Cognitive Computation, 2018, 10, 908-921.	3.6	44
1749	Convolutional Neural Networks-Based MRI Image Analysis for the Alzheimer's Disease Prediction From Mild Cognitive Impairment. Frontiers in Neuroscience, 2018, 12, 777.	1.4	253
1750	Human-Like Emotion Recognition: Multi-Label Learning from Noisy Labeled Audio-Visual Expressive Speech. , 2018, , .		15
1751	Introducing a Comprehensive Framework to Measure Spike-LFP Coupling. Frontiers in Computational Neuroscience, 2018, 12, 78.	1.2	21
1752	Detection of coronary artery disease by reduced features and extreme learning machine. Medicine and Pharmacy Reports, 2018, 91, 166-175.	0.2	31
1753	Multi-task Motor Imagery EEG Classification Using Broad Learning and Common Spatial Pattern. IFIP Advances in Information and Communication Technology, 2018, , 3-10.	0.5	5
1754	ELM-SOM: A Continuous Self-Organizing Map for Visualization. , 2018, , .		8
1755	Sparse least squares support vector regression for nonstationary systems. , 2018, , .		0
1756	Single Channel Continuous Wave Doppler Radar for Differentiating Types of Human Activity., 2018,,.		2
1757	Centroid Selection in Kernel Extreme Learning Machine using K-means. , 2018, , .		5
1758	A Reduced KELM model using DBSCAN Clustering algorithm for centroid selection. , 2018, , .		0
1759	LSTM-Based EEG Classification in Motor Imagery Tasks. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 2086-2095.	2.7	229

#	Article	IF	CITATIONS
1760	Method and Evaluation Method of Ultra-Short-Load Forecasting in Power System. Communications in Computer and Information Science, 2018, , 263-272.	0.4	1
1761	A Cognitive Radio Enabled Smart Grid Testbed Based on Software Defined Radio and Real Time Digital Simulator. , 2018, , .		3
1762	An Imputation Method for Missing Data Based on an Extreme Learning Machine Auto-Encoder. IEEE Access, 2018, 6, 52930-52935.	2.6	21
1763	Parallel one-class extreme learning machine for imbalance learning based on Bayesian approach. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	3.3	17
1764	Spatio-Temporal Analysis of Wetland Changes Using a Kernel Extreme Learning Machine Approach. Remote Sensing, 2018, 10, 1129.	1.8	24
1765	A new constitutive model of a magneto-rheological fluid actuator using an extreme learning machine method. Sensors and Actuators A: Physical, 2018, 281, 209-221.	2.0	31
1766	A New Effective Machine Learning Framework for Sepsis Diagnosis. IEEE Access, 2018, 6, 48300-48310.	2.6	59
1767	Multi-feature Semi-supervised Learning Approach. , 2018, , 225-245.		1
1768	Adaptive total variation-based spectral-spatial feature extraction of hyperspectral image. Journal of Visual Communication and Image Representation, 2018, 56, 150-159.	1.7	10
1769	Scale-reasoning based risk propagation analysis: An application to fluid catalytic cracking unit. Chemical Engineering Research and Design, 2018, 120, 155-165.	2.7	10
1770	Domain Adaptation Guided Drift Compensation. , 2018, , 147-171.		1
1771	Learning EEG synchronization patterns for epileptic seizure prediction using bag-of-wave features. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 15557-15572.	3.3	25
1772	An effective hierarchical extreme learning machine based multimodal fusion framework. Neurocomputing, 2018, 322, 141-150.	3.5	13
1773	Intermediate Data Caching Optimization for Multi-Stage and Parallel Big Data Frameworks. , 2018, , .		27
1774	Acceleration Approaches for Big Data Analysis. , 2018, , .		0
1775	Automatic prediction of village-wise soil fertility for several nutrients in India using a wide range of regression methods. Computers and Electronics in Agriculture, 2018, 154, 120-133.	3.7	60
1776	DMP-ELMs: Data and model parallel extreme learning machines for large-scale learning tasks. Neurocomputing, 2018, 320, 85-97.	3.5	16
1777	Quantitative analysis of soil nutrition based on FT-NIR spectroscopy integrated with BP neural deep learning. Analytical Methods, 2018, 10, 5004-5013.	1.3	26

#	Article	IF	CITATIONS
1778	Classification of Incomplete Data Based on Evidence Theory and an Extreme Learning Machine in Wireless Sensor Networks. Sensors, 2018, 18, 1046.	2.1	15
1779	Chat biometrics. IET Biometrics, 2018, 7, 454-466.	1.6	3
1780	Fault Diagnosis Based on Weighted Extreme Learning Machine With Wavelet Packet Decomposition and KPCA. IEEE Sensors Journal, 2018, 18, 8472-8483.	2.4	99
1781	Transformer Fault Diagnosis Based on Improving Kernel-Based Extreme Learning Machine. , 2018, , .		0
1782	Fault Detection and Isolation Based on Extreme Learning Machine optimized by Genetic Algorithm for Flight Control System., 2018,,.		0
1783	Residual compensation extreme learning machine for regression. Neurocomputing, 2018, 311, 126-136.	3.5	73
1784	Weighted extreme learning machine for P300 detection with application to brain computer interface. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 15545-15555.	3.3	16
1785	Improved lung nodule diagnosis accuracy using lung CT images with uncertain class. Computer Methods and Programs in Biomedicine, 2018, 162, 197-209.	2.6	40
1786	Empirical kernel map-based multilayer extreme learning machines for representation learning. Neurocomputing, 2018, 310, 265-276.	3.5	27
1787	Class-specific extreme learning machine for handling binary class imbalance problem. Neural Networks, 2018, 105, 206-217.	3.3	64
1788	A Novel Relaxed ADMM with Highly Parallel Implementation for Extreme Learning Machine. , 2018, , .		3
1789	Development and comparison of regression models for the determination of quality parameters in margarine spread samples using NIR spectroscopy. Analytical Methods, 2018, 10, 3089-3099.	1.3	7
1790	Generalized halftone classification approach using stochastic analysis. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 14907-14919.	3.3	2
1791	Digital twin driven prognostics and health management for complex equipment. CIRP Annals - Manufacturing Technology, 2018, 67, 169-172.	1.7	533
1792	Nondestructive evaluation sensor fusion with autonomous robotic system for civil infrastructure inspection. Journal of Field Robotics, 2018, 35, 988-1004.	3.2	47
1793	Reservoir water level forecasting using group method of data handling. Acta Geophysica, 2018, 66, 717-730.	1.0	32
1794	Performance Comparison of Support Vector Machine, Random Forest, and Extreme Learning Machine for Intrusion Detection. IEEE Access, 2018, 6, 33789-33795.	2.6	382
1795	DEFAD: ensemble classifier for DDOS enabled flood attack defense in distributed network environment. Cluster Computing, 2018, 21, 1765-1783.	3.5	4

#	Article	IF	CITATIONS
1796	Prediction interval forecasting of wind speed and wind power using modes decomposition based low rank multi-kernel ridge regression. Renewable Energy, 2018, 129, 357-383.	4.3	92
1797	Novel Breast Imaging and Machine Learning: Predicting Breast Lesion Malignancy at Cone-Beam CT Using Machine Learning Techniques. American Journal of Roentgenology, 2018, 211, W123-W131.	1.0	8
1798	The universal consistency of extreme learning machine. Neurocomputing, 2018, 311, 176-182.	3.5	11
1799	Mixed kernel based extreme learning machine for electric load forecasting. Neurocomputing, 2018, 312, 90-106.	3.5	84
1800	The augmented complex-valued extreme learning machine. Neurocomputing, 2018, 311, 363-372.	3.5	9
1801	Variational mode decomposition based low rank robust kernel extreme learning machine for solar irradiation forecasting. Energy Conversion and Management, 2018, 171, 787-806.	4.4	62
1802	Mining the intrinsic trends of CO2 solubility in blended solutions. Journal of CO2 Utilization, 2018, 26, 496-502.	3.3	55
1803	Joint graph regularized extreme learning machine for multi-label image classification. Journal of Computational Methods in Sciences and Engineering, 2018, 18, 213-219.	0.1	4
1804	Semi-supervised learning based distributed attack detection framework for IoT. Applied Soft Computing Journal, 2018, 72, 79-89.	4.1	222
1805	Evaluation of the engine performance and exhaust emissions of biodiesel-bioethanol-diesel blends using kernel-based extreme learning machine. Energy, 2018, 159, 1075-1087.	4.5	217
1806	Sensitivity Analysis Based SVM Application on Automatic Incident Detection of Rural Road in China. Mathematical Problems in Engineering, 2018, 2018, 1-9.	0.6	3
1807	Correntropy-based robust extreme learning machine for classification. Neurocomputing, 2018, 313, 74-84.	3.5	28
1808	Hybrid hierarchical extreme learning machine., 2018,,.		1
1809	Fusion of inertial and visual information for indoor localisation. Electronics Letters, 2018, 54, 850-851.	0.5	12
1810	Weighted Domain Transfer Extreme Learning Machine and Its Online Version for Gas Sensor Drift Compensation in E-Nose Systems. Wireless Communications and Mobile Computing, 2018, 2018, 1-17.	0.8	13
1811	Benchmark database for fine-grained image classification of benthic macroinvertebrates. Image and Vision Computing, 2018, 78, 73-83.	2.7	25
1812	Monitoring Photosynthetic Pigments of Shade-Grown Tea from Hyperspectral Reflectance. Canadian Journal of Remote Sensing, 2018, 44, 104-112.	1.1	13
1813	Real-time prediction of solar radiation based on online sequential extreme learning machine. , 2018, , .		5

#	Article	IF	CITATIONS
1814	A Survey of Online Sequential Extreme Learning Machine. , 2018, , .		3
1815	An improved brain emotional learning algorithm for accurate and efficient data analysis. Journal of Central South University, 2018, 25, 1084-1098.	1.2	6
1816	SurvELM: An R package for high dimensional survival analysis with extreme learning machine. Knowledge-Based Systems, 2018, 160, 28-33.	4.0	7
1817	Gear fault diagnosis based on recurrence network. Journal of Intelligent and Fuzzy Systems, 2018, 34, 3651-3660.	0.8	3
1818	Classification of hyperspectral images with multiple kernel extreme learning machine. , 2018, , .		2
1819	A Survey on Long Term Evolution Scheduling in Data Mining. Wireless Personal Communications, 2018, 102, 2363-2387.	1.8	4
1820	An improved grasshopper optimization algorithm with application to financial stress prediction. Applied Mathematical Modelling, 2018, 64, 654-668.	2.2	216
1821	Rapid determination by near infrared spectroscopy of theaflavins-to-thearubigins ratio during Congou black tea fermentation process. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 205, 227-234.	2.0	46
1822	KELM-CPPpred: Kernel Extreme Learning Machine Based Prediction Model for Cell-Penetrating Peptides. Journal of Proteome Research, 2018, 17, 3214-3222.	1.8	58
1823	An Improved Bacterial-Foraging Optimization-Based Machine Learning Framework for Predicting the Severity of Somatization Disorder. Algorithms, 2018, 11, 17.	1.2	15
1824	Feature Selection and Multimodal Fusion for Estimating Emotions Evoked by Movie Clips. , 2018, , .		2
1825	A Comparison of Low-Complexity Real-Time Feature Extraction for Neuromorphic Speech Recognition. Frontiers in Neuroscience, 2018, 12, 160.	1.4	13
1826	Subtle Hand Action Recognition in Factory Based on Inertial Sensors. Lecture Notes in Electrical Engineering, 2018, , 268-283.	0.3	0
1827	SGB-ELM: An Advanced Stochastic Gradient Boosting-Based Ensemble Scheme for Extreme Learning Machine. Computational Intelligence and Neuroscience, 2018, 2018, 1-14.	1.1	7
1828	A Novel Hybrid Strategy Using Three-Phase Feature Extraction and a Weighted Regularized Extreme Learning Machine for Multi-Step Ahead Wind Speed Prediction. Energies, 2018, 11, 321.	1.6	20
1829	A Hybrid BA-ELM Model Based on Factor Analysis and Similar-Day Approach for Short-Term Load Forecasting. Energies, 2018, 11, 1282.	1.6	20
1830	A data-driven adaptive multivariate steady state detection strategy for the evaporation process of the sodium aluminate solution. Journal of Process Control, 2018, 68, 145-159.	1.7	7
1831	Robust semi-supervised extreme learning machine. Knowledge-Based Systems, 2018, 159, 203-220.	4.0	25

#	Article	IF	Citations
1832	Adaptive online sequential extreme learning machine for frequency-dependent noise data on offshore oil rig. Engineering Applications of Artificial Intelligence, 2018, 74, 226-241.	4.3	6
1833	UnderBagging based reduced Kernelized weighted extreme learning machine for class imbalance learning. Engineering Applications of Artificial Intelligence, 2018, 74, 252-270.	4.3	38
1834	Estimation of Deterioration Levels of Transmission Towers via Deep Learning Maximizing Canonical Correlation Between Heterogeneous Features. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 633-644.	7.3	15
1835	Noise Reduction in Hyperspectral Imagery: Overview and Application. Remote Sensing, 2018, 10, 482.	1.8	197
1836	Comparison of SVM, RF and ELM on an Electronic Nose for the Intelligent Evaluation of Paraffin Samples. Sensors, 2018, 18, 285.	2.1	40
1837	Crack Damage Detection Method via Multiple Visual Features and Efficient Multi-Task Learning Model. Sensors, 2018, 18, 1796.	2.1	25
1838	GSOS-ELM: An RFID-Based Indoor Localization System Using GSO Method and Semi-Supervised Online Sequential ELM. Sensors, 2018, 18, 1995.	2.1	14
1839	Approach for time series prediction based on empirical mode decomposition and extreme learning machine. , $2018,  \ldots$		4
1840	Radar HRRP Target Recognition Based on Stacked Autoencoder and Extreme Learning Machine. Sensors, 2018, 18, 173.	2.1	45
1841	Intra ELM variants ensemble based model to predict energy performance in residential buildings. Sustainable Energy, Grids and Networks, 2018, 16, 177-187.	2.3	24
1842	Spoken language identification based on the enhanced self-adjusting extreme learning machine approach. PLoS ONE, 2018, 13, e0194770.	1.1	31
1843	Correntropy-based robust multilayer extreme learning machines. Pattern Recognition, 2018, 84, 357-370.	5.1	34
1844	Sensitivity of data matrix rank in non-iterative training. Neurocomputing, 2018, 313, 386-391.	3.5	4
1845	Efficient human motion capture data annotation via multiâ€view spatiotemporal feature fusion. IET Signal Processing, 2018, 12, 269-276.	0.9	5
1846	A novel method based on extreme learning machine to predict heating and cooling load through design and structural attributes. Energy and Buildings, 2018, 176, 275-286.	3.1	62
1847	An intelligent hybrid short-term load forecasting model optimized by switching delayed PSO of micro-grids. Journal of Renewable and Sustainable Energy, 2018, 10, .	0.8	7
1848	Computing Optical Properties of Photonic Crystals by Using Multilayer Perceptron and Extreme Learning Machine. Journal of Lightwave Technology, 2018, 36, 4066-4073.	2.7	57
1849	Notice of Removal: Optimal Weighted Extreme Learning Machine for Imbalanced Learning with Differential Evolution [Research Frontier]. IEEE Computational Intelligence Magazine, 2018, 13, 32-47.	3.4	7

#	ARTICLE	IF	CITATIONS
1850	Identification of Alzheimer's disease and mild cognitive impairment using multimodal sparse hierarchical extreme learning machine. Human Brain Mapping, 2018, 39, 3728-3741.	1.9	39
1851	A fast and efficient conformal regressor with regularized extreme learning machine. Neurocomputing, 2018, 304, 1-11.	3.5	14
1852	Conditional Random Mapping for Effective ELM Feature Representation. Cognitive Computation, 2018, 10, 827-847.	3.6	7
1853	A novel method for landslide displacement prediction by integrating advanced computational intelligence algorithms. Scientific Reports, 2018, 8, 7287.	1.6	31
1854	Model-aware categorical data embedding: a data-driven approach. Soft Computing, 2018, 22, 3603-3619.	2.1	5
1855	Multi-step wind speed forecasting using EWT decomposition, LSTM principal computing, RELM subordinate computing and IEWT reconstruction. Energy Conversion and Management, 2018, 167, 203-219.	4.4	138
1856	Distress classification of class-imbalanced inspection data via correlation-maximizing weighted extreme learning machine. Advanced Engineering Informatics, 2018, 37, 79-87.	4.0	11
1857	Organic cattle products: Authenticating production origin by analysis of serum mineral content. Food Chemistry, 2018, 264, 210-217.	4.2	8
1858	A socially responsible consumption index based on non-linear dimensionality reduction and global sensitivity analysis. Applied Soft Computing Journal, 2018, 69, 599-609.	4.1	14
1859	Hybrid islanding detection with optimum feature selection and minimum NDZ. International Transactions on Electrical Energy Systems, 2018, 28, e2602.	1.2	16
1860	Sequential Independent Component Analysis Density Estimation. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5084-5097.	7.2	3
1861	Sparse Representation-Based Augmented Multinomial Logistic Extreme Learning Machine With Weighted Composite Features for Spectral–Spatial Classification of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 6263-6279.	2.7	32
1862	Hyperspectral Image Classification With Kernel-Based Least-Squares Support Vector Machines in Sum Space. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1144-1157.	2.3	34
1863	A facial expression controlled wheelchair for people with disabilities. Computer Methods and Programs in Biomedicine, 2018, 165, 89-105.	2.6	55
1864	q-Sine Circular Extreme Learning Machine for High Dimensional Data., 2018,,.		0
1865	Design of cognitive fog computing for intrusion detection in Internet of Things. Journal of Communications and Networks, 2018, 20, 291-298.	1.8	110
1866	Cable force monitoring and prediction for cable group of long-span cable-supported bridges. Journal of Civil Structural Health Monitoring, 2018, 8, 597-605.	2.0	12
1867	Design-Based Fingerprinting Using Side-Channel Power Analysis for Protection Against IC Piracy. , 2018, , .		1

#	Article	IF	CITATIONS
1868	Novel Computational Intelligence Techniques for Automatic Pain Detection and Pain Intensity Level Estimation From Facial Expressions Using Distributed Computing for Big Data., 2018,, 91-121.		1
1869	Electric-Parameter-Based Inversion of Dynamometer Card Using Hybrid Modeling for Beam Pumping System. Mathematical Problems in Engineering, 2018, 2018, 1-12.	0.6	6
1870	A Model of Magnetorheological Grease using Machine Learning Method. Key Engineering Materials, 2018, 775, 191-197.	0.4	6
1871	Multi-Step Prediction of Physiological Tremor With Random Quaternion Neurons for Surgical Robotics Applications. IEEE Access, 2018, 6, 42216-42226.	2.6	6
1872	An Ensemble Extreme Learning Machine for Data Stream Classification. Algorithms, 2018, 11, 107.	1.2	12
1873	Laplacian twin extreme learning machine for semi-supervised classification. Neurocomputing, 2018, 321, 17-27.	3.5	26
1874	State-of-Charge Estimation of Battery Pack under Varying Ambient Temperature Using an Adaptive Sequential Extreme Learning Machine. Energies, 2018, 11, 711.	1.6	29
1875	A Scientometric Study of Neurocomputing Publications (1992–2018): An Aerial Overview of Intrinsic Structure. Publications, 2018, 6, 32.	1.9	24
1876	A multiobjective optimization-based sparse extreme learning machine algorithm. Neurocomputing, 2018, 317, 88-100.	<b>3.</b> 5	27
1877	Optimal feature selection for islanding detection in distributed generation. IET Smart Grid, 2018, 1, 85-95.	1.5	13
1878	Extreme Learning Machine with Superpixel-Guided Composite Kernels for SAR Image Classification. IEICE Transactions on Information and Systems, 2018, E101.D, 1703-1706.	0.4	3
1879	Hybrid extreme learning machine approach for homogeneous neural networks. Neurocomputing, 2018, 311, 397-412.	3.5	7
1880	A Short-Term Traffic Flow Prediction Method Based on Kernel Extreme Learning Machine. , 2018, , .		12
1881	Fast dimensionality reduction and classification of hyperspectral images with extreme learning machines. Journal of Real-Time Image Processing, 2018, 15, 439-462.	2.2	35
1882	A Homotopy Iterative Hard Thresholding Algorithm With Extreme Learning Machine for Scene Recognition. IEEE Access, 2018, 6, 30424-30436.	2.6	9
1883	A Preliminary Study of Diversity in Extreme Learning Machines Ensembles. Lecture Notes in Computer Science, 2018, , 302-314.	1.0	1
1884	The constrained optimization extreme learning machine based on the hybrid loss function for regression. , 2018, , .		1
1885	Blind equalization of QAM signals via extreme learning machine. , 2018, , .		3

#	Article	IF	CITATIONS
1886	Hierarchical ensemble of Extreme Learning Machine. Pattern Recognition Letters, 2018, 116, 101-106.	2.6	43
1887	Fast and peer-to-peer vital signal learning system for cloud-based healthcare. Future Generation Computer Systems, 2018, 88, 220-233.	4.9	14
1888	Displacement prediction of step-like landslide by applying a novel kernel extreme learning machine method. Landslides, 2018, 15, 2211-2225.	2.7	123
1889	Postboosting Using Extended G-Mean for Online Sequential Multiclass Imbalance Learning. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 6163-6177.	7.2	24
1890	Air quality estimation based on multi-source heterogeneous data from wireless sensor networks. , 2018, , .		8
1891	A Modified Support Vector Regression Approach for Failure Analysis in Beam-Like Structures. Journal of Failure Analysis and Prevention, 2018, 18, 998-1009.	0.5	6
1892	LW-ELM: A Fast and Flexible Cost-Sensitive Learning Framework for Classifying Imbalanced Data. IEEE Access, 2018, 6, 28488-28500.	2.6	25
1893	Extreme Learning Machine for Credit Risk Analysis. Journal of Intelligent Systems, 2018, 29, 640-652.	1.2	2
1894	Size Measurement of Laser-Induced Damage in Large-Aperture Final Optics. IEEE Access, 2018, 6, 30402-30413.	2.6	2
1895	Learning a single-hidden layer feedforward neural network using a rank correlation-based strategy with application to high dimensional gene expression and proteomic spectra datasets in cancer detection. Journal of Biomedical Informatics, 2018, 83, 159-166.	2.5	30
1896	Artificial bee colony algorithm–optimized error minimized extreme learning machine and its application in short-term wind speed prediction. Wind Engineering, 2019, 43, 263-276.	1.1	21
1897	Metaheuristic-based extreme learning machines: a review of design formulations and applications. International Journal of Machine Learning and Cybernetics, 2019, 10, 1543-1561.	2.3	34
1898	Tidal Current and Level Uncertainty Prediction via Adaptive Linear Programming. IEEE Transactions on Sustainable Energy, 2019, 10, 748-758.	5.9	11
1899	Local receptive fields based extreme learning machine with hybrid filter kernels for image classification. Multidimensional Systems and Signal Processing, 2019, 30, 1149-1169.	1.7	6
1900	LDS-FCM: A Linear Dynamical System Based Fuzzy C-Means Method for Tactile Recognition. IEEE Transactions on Fuzzy Systems, 2019, 27, 72-83.	6.5	15
1901	Loss of main detection in distribution generation system based on hybrid signal processing and machine learning technique. International Transactions on Electrical Energy Systems, 2019, 29, e2676.	1.2	12
1902	Optimizing Extreme Learning Machine via Generalized Hebbian Learning and Intrinsic Plasticity Learning. Neural Processing Letters, 2019, 49, 1593-1609.	2.0	6
1903	General Type-2 Radial Basis Function Neural Network: A Data-Driven Fuzzy Model. IEEE Transactions on Fuzzy Systems, 2019, 27, 333-347.	6.5	34

#	Article	IF	CITATIONS
1904	Robust Extreme Learning Machines with Different Loss Functions. Neural Processing Letters, 2019, 49, 1543-1565.	2.0	7
1905	A hierarchical semi-supervised extreme learning machine method for EEG recognition. Medical and Biological Engineering and Computing, 2019, 57, 147-157.	1.6	53
1906	Radar emitter identification with bispectrum and hierarchical extreme learning machine. Multimedia Tools and Applications, 2019, 78, 28953-28970.	2.6	28
1907	Segmentation of Sidescan Sonar Imagery Using Markov Random Fields and Extreme Learning Machine. IEEE Journal of Oceanic Engineering, 2019, 44, 502-513.	2.1	18
1908	Per-sample prediction intervals for extreme learning machines. International Journal of Machine Learning and Cybernetics, 2019, 10, 991-1001.	2.3	5
1909	Class-specific cost-sensitive boosting weighted ELM for class imbalance learning. Memetic Computing, 2019, 11, 263-283.	2.7	5
1910	Viewpoint invariant semantic object and scene categorization with RGB-D sensors. Autonomous Robots, 2019, 43, 1005-1022.	3.2	12
1911	Neural-Response-Based Extreme Learning Machine for Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 539-552.	7.2	23
1912	Active Learning From Imbalanced Data: A Solution of Online Weighted Extreme Learning Machine. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1088-1103.	7.2	98
1913	Fiberglass-Reinforced Polyester Composites Fatigue Prediction Using Novel Data-Intelligence Model. Arabian Journal for Science and Engineering, 2019, 44, 3343-3356.	1.7	16
1914	Comparison between soft computing methods for tomato quality grading using machine vision. Journal of Food Measurement and Characterization, 2019, 13, 1-15.	1.6	23
1915	An integrated imputation-prediction scheme for prognostics of battery data with missing observations. Expert Systems With Applications, 2019, 115, 709-723.	4.4	52
1916	Deep Pyramidal Residual Networks for Spectral–Spatial Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 740-754.	2.7	347
1917	Robust visual tracking based on convolutional neural network with extreme learning machine. Multimedia Tools and Applications, 2019, 78, 7543-7562.	2.6	6
1918	Comments on "Traffic Sign Recognition Using Kernel Extreme Learning Machines With Deep Perceptual Features― IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3759-3761.	4.7	2
1919	Circular convolution parallel extreme learning machine for modeling boiler efficiency for a 300ÂMW CFBB. Soft Computing, 2019, 23, 6567-6577.	2.1	6
1920	A performance bound of the multi-output extreme learning machine classifier. Memetic Computing, 2019, 11, 297-304.	2.7	0
1921	A Novel Human Activity Recognition Scheme for Smart Health Using Multilayer Extreme Learning Machine. IEEE Internet of Things Journal, 2019, 6, 1410-1418.	5 <b>.</b> 5	83

#	Article	IF	CITATIONS
1922	User behavior prediction in social networks using weighted extreme learning machine with distribution optimization. Future Generation Computer Systems, 2019, 93, 1023-1035.	4.9	71
1923	Real-time Closed Loop Neural Decoding on a Neuromorphic chip. , 2019, , .		9
1924	Hyperspectral image classification based on average spectral-spatial features and improved hierarchical-ELM. Infrared Physics and Technology, 2019, 102, 103013.	1.3	13
1925	Recomputation of dense layers for the performance improvement of DCNN. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 42, 1-1.	9.7	21
1926	Data Distribution Based Weighted Extreme Learning Machine., 2019,,.		0
1927	Particle Swarm Optimization Algorithm-Extreme Learning Machine (PSO-ELM) Model for Predicting Resilient Modulus of Stabilized Aggregate Bases. Applied Sciences (Switzerland), 2019, 9, 3221.	1.3	60
1928	Machine Learning Based Automatic Diagnosis in Mobile Communication Networks. IEEE Transactions on Vehicular Technology, 2019, , 1-1.	3.9	16
1929	Augmented Quaternion Extreme Learning Machine. IEEE Access, 2019, 7, 90842-90850.	2.6	3
1930	Automated X-ray recognition of solder bump defects based on ensemble-ELM. Science China Technological Sciences, 2019, 62, 1512-1519.	2.0	26
1931	Reply to "Comments on â€~Traffic Sign Recognition Using Kernel Extreme Learning Machines With Deep Perceptual Featuresâ€â€™. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3762-3764.	4.7	0
1932	Biomedical event trigger detection with convolutional highway neural network and extreme learning machine. Applied Soft Computing Journal, 2019, 84, 105661.	4.1	9
1933	Online Learning-Based WIFI Radio Map Updating Considering High-Dynamic Environmental Factors. IEEE Access, 2019, 7, 110074-110085.	2.6	3
1934	Extreme Learning Machine Ensemble for CSI based Device-free Indoor Localization. , 2019, , .		7
1935	Orthogonal Flower Pollination Algorithm based Mixed Kernel Extreme Learning Machine for Analog Fault Prognositcs., 2019,,.		2
1936	A Novel Millimeter Wave Channel Estimation Algorithm Based on IC-ELM., 2019, , .		4
1937	A versatile hardware/software platform for personalized driver assistance based on online sequential extreme learning machines. Neural Computing and Applications, 2019, 31, 8871-8886.	3.2	5
1938	Nonlinear industrial soft sensor development based on semi-supervised probabilistic mixture of extreme learning machines. Control Engineering Practice, 2019, 91, 104098.	3.2	34
1939	Research on Fall Detection System of Wearable Devices Based on ELM Algorithm. , 2019, , .		3

#	Article	IF	CITATIONS
1940	Static Hand Gesture Recognition for Human Robot Interaction. Lecture Notes in Computer Science, 2019, , 417-430.	1.0	3
1941	Experimental Study on 164 Algorithms Available in Software Tools for Solving Standard Non-Linear Regression Problems. IEEE Access, 2019, 7, 108916-108939.	2.6	15
1942	Hybrid extreme learning machine approach for heterogeneous neural networks. Neurocomputing, 2019, 361, 137-150.	<b>3.</b> 5	19
1943	GenELM: Generative Extreme Learning Machine feature representation. Neurocomputing, 2019, 362, 41-50.	3.5	6
1944	Adaptive Safe Semi-Supervised Extreme Machine Learning. IEEE Access, 2019, 7, 76176-76184.	2.6	10
1945	MJaya-ELM: A Jaya algorithm with mutation and extreme learning machine based approach for sensorineural hearing loss detection. Applied Soft Computing Journal, 2019, 83, 105626.	4.1	16
1946	An Automatic Approach Using ELM Classifier for HFpEF Identification Based on Heart Sound Characteristics. Journal of Medical Systems, 2019, 43, 285.	2.2	16
1947	Predictive Analysis of Landmine Risk. IEEE Access, 2019, 7, 107259-107269.	2.6	6
1948	A Survey on Extreme Learning Machine and Evolution of Its Variants. Communications in Computer and Information Science, 2019, , 572-583.	0.4	3
1949	Intelligent Traffic Control System Based on Cloud Computing and Big Data Mining. IEEE Transactions on Industrial Informatics, 2019, 15, 6583-6592.	7.2	67
1950	Multiperiod-Ahead Wind Speed Forecasting Using Deep Neural Architecture and Ensemble Learning. Mathematical Problems in Engineering, 2019, 2019, 1-14.	0.6	11
1951	Application of a Hybrid Model Based on Echo State Network and Improved Particle Swarm Optimization in PM2.5 Concentration Forecasting: A Case Study of Beijing, China. Sustainability, 2019, 11, 3096.	1.6	24
1952	Spoken language identification based on optimised genetic algorithm–extreme learning machine approach. International Journal of Speech Technology, 2019, 22, 711-727.	1.4	44
1953	Regularized ensemble neural networks models in the Extreme Learning Machine framework. Neurocomputing, 2019, 361, 196-211.	3.5	7
1954	Evolving an optimal kernel extreme learning machine by using an enhanced grey wolf optimization strategy. Expert Systems With Applications, 2019, 138, 112814.	4.4	173
1955	A Hybrid Regularization Semi-Supervised Extreme Learning Machine Method and Its Application. IEEE Access, 2019, 7, 30102-30111.	2.6	14
1956	Machine Learning In Power Markets., 2019,,.		0
1957	A Kernel-Based Extreme Learning Machine Framework for Classification of Hyperspectral Images Using Active Learning. Journal of the Indian Society of Remote Sensing, 2019, 47, 1693-1705.	1.2	8

#	Article	IF	CITATIONS
1958	Power Load Forecasting Based on Adaptive Deep Long Short-Term Memory Network. Lecture Notes in Computer Science, 2019, , 444-453.	1.0	0
1959	Floating Car Data-Based Real-Time Road Traffic Prediction System and Its Application in Macau Grand Prix Event., 2019,, 377-392.		2
1960	Maximum Correntropy Criterion With Variable Center. IEEE Signal Processing Letters, 2019, 26, 1212-1216.	2.1	71
1961	Extreme learning machines with expectation kernels. Pattern Recognition, 2019, 96, 106960.	5.1	10
1962	Final optics damage online inspection in high power laser facility*. Optoelectronics Letters, 2019, 15, 306-311.	0.4	4
1963	Forming a new small sample deep learning model to predict total organic carbon content by combining unsupervised learning with semisupervised learning. Applied Soft Computing Journal, 2019, 83, 105596.	4.1	49
1964	Weld penetration in situ prediction from keyhole dynamic behavior under time-varying VPPAW pools via the OS-ELM model. International Journal of Advanced Manufacturing Technology, 2019, 104, 3929-3941.	1.5	15
1965	Sensorless effective wind speed estimation method based on unknown input disturbance observer and extreme learning machine. Energy, 2019, 186, 115790.	4.5	34
1966	Nonlinear Process Monitoring Based on Global Preserving Unsupervised Kernel Extreme Learning Machine. IEEE Access, 2019, 7, 106053-106064.	2.6	7
1967	Mechanical Faults Diagnosis of High-Voltage Circuit Breaker via Hybrid Features and Integrated Extreme Learning Machine. IEEE Access, 2019, 7, 60091-60103.	2.6	30
1968	Variable weights combined model based on multi-objective optimization for short-term wind speed forecasting. Applied Soft Computing Journal, 2019, 82, 105587.	4.1	88
1969	Peach growth cycle monitoring using an electronic nose. Computers and Electronics in Agriculture, 2019, 163, 104858.	3.7	35
1970	Cholesky Factorization Based Online Sequential Extreme Learning Machines with Persistent Regularization and Forgetting Factor. Symmetry, 2019, 11, 801.	1.1	2
1972	Predicting Intentions of Students for Master Programs Using a Chaos-Induced Sine Cosine-Based Fuzzy K-Nearest Neighbor Classifier. IEEE Access, 2019, 7, 67235-67248.	2.6	91
1973	Catenary Fault Identification Based on PSO-ELM. Journal of Physics: Conference Series, 2019, 1302, 032017.	0.3	3
1974	A Review of Online Sequential Extreme Learning Machines. Journal of Physics: Conference Series, 2019, 1302, 032054.	0.3	0
1975	Alternative prediction methods in the stock exchanges of Thailand. Journal of Physics: Conference Series, 2019, 1324, 012086.	0.3	1
1976	On the use of robots and vision technologies for the inspection of vessels: A survey on recent advances. Ocean Engineering, 2019, 190, 106420.	1.9	29

#	Article	IF	CITATIONS
1977	Comparison of daily streamflow forecasts using extreme learning machines and the random forest method. Hydrological Sciences Journal, 2019, 64, 1857-1866.	1.2	44
1978	A hybrid regularized extreme learning machine for automated detection of pathological brain. Biocybernetics and Biomedical Engineering, 2019, 39, 880-892.	3.3	7
1979	Mapping hydrothermally altered minerals with AST_07XT, AST_05 and Hyperion datasets using a voting-based extreme learning machine algorithm. Ore Geology Reviews, 2019, 114, 103116.	1,1	7
1980	A neural-network enhanced modeling method for real-time evaluation of the temperature distribution in a data center. Neural Computing and Applications, 2019, 31, 8379-8391.	3.2	20
1981	Coal mine area monitoring method by machine learning and multispectral remote sensing images. Infrared Physics and Technology, 2019, 103, 103070.	1.3	23
1982	Online sequential class-specific extreme learning machine for binary imbalanced learning. Neural Networks, 2019, 119, 235-248.	3.3	28
1983	ELM-SOM+: A continuous mapping for visualization. Neurocomputing, 2019, 365, 147-156.	3.5	10
1984	Spectral-spatial feature extraction and supervised classification by MF-KELM classifier on hyperspectral imagery. APSIPA Transactions on Signal and Information Processing, 2019, 8, .	2.6	2
1985	Ultrasound-Based Diagnosis of Breast Tumor with Parameter Transfer Multilayer Kernel Extreme Learning Machine., 2019, 2019, 933-936.		5
1986	Machine Learning Based Intrusion Detection System. , 2019, , .		69
1987	Convolutional Long Short-Term Memory Networks for Doppler-Radar Based Target Classification. , 2019, , .		9
1988	Evolving fuzzy neural networks to aid in the construction of systems specialists in cyber attacks1. Journal of Intelligent and Fuzzy Systems, 2019, 36, 6743-6763.	0.8	15
1989	Stacked autoencoder based deep random vector functional link neural network for classification. Applied Soft Computing Journal, 2019, 85, 105854.	4.1	76
1990	Sparse Deep Tensor Extreme Learning Machine for Pattern Classification. IEEE Access, 2019, 7, 119181-119191.	2.6	5
1991	Multi-View Fusion with Extreme Learning Machine for Clustering. ACM Transactions on Intelligent Systems and Technology, 2019, 10, 1-23.	2.9	11
1992	FnnmOS-ELM: A Flexible Neural Network Mixed Online Sequential Elm. Applied Sciences (Switzerland), 2019, 9, 3772.	1.3	0
1993	Composite reduced-kernel weighted extreme learning machine for imbalanced data classification. IOP Conference Series: Materials Science and Engineering, 2019, 569, 052108.	0.3	0
1994	Handwritten Mathematical Recognition Tool. , 2019, , .		6

#	Article	IF	Citations
1995	Optimal ELM-RBF model and SERS Analysis of Saliva for Classification of NS1., 2019, 2019, 3551-3554.		2
1996	Multiple Feature Integration for Classification of Thoracic Disease in Chest Radiography. Applied Sciences (Switzerland), 2019, 9, 4130.	1.3	58
1997	Metaheuristic-Based Dimensionality Reduction and Classification Analysis of PPG Signals for Interpreting Cardiovascular Disease. IEEE Access, 2019, 7, 165181-165206.	2.6	24
1998	Physical Activity Recognition Using Multi-Sensor Fusion and Extreme Learning Machines. , 2019, , .		3
1999	The Weighted Multiple Meta-Models Stacking Method for Regression Problem. , 2019, , .		2
2000	Implementation-Based Design Fingerprinting for Robust IC Fraud Detection. Journal of Hardware and Systems Security, 2019, 3, 426-439.	0.8	0
2001	Pinball loss based extreme learning machines. IOP Conference Series: Materials Science and Engineering, 2019, 569, 052061.	0.3	1
2002	Multimodal Learning toward Micro-Video Understanding. Synthesis Lectures on Image, Video, and Multimedia Processing, 2019, 9, 1-186.	0.9	25
2003	Fault location estimation for series-compensated double-circuit transmission line using parameter optimized variational mode decomposition and weighted P-norm random vector functional link network. Applied Soft Computing Journal, 2019, 85, 105860.	4.1	22
2004	Evolved-Cooperative Correntropy-Based Extreme Learning Machine for Robust Prediction. Entropy, 2019, 21, 912.	1.1	1
2005	Leaf Wetness Duration Models Using Advanced Machine Learning Algorithms: Application to Farms in Gyeonggi Province, South Korea. Water (Switzerland), 2019, 11, 1878.	1.2	8
2006	A Fault Diagnosis and Reconfiguration Strategy for Self-Validating Hydrogen Sensor Array Based on MWPCA and ELM. IEEE Access, 2019, 7, 115075-115092.	2.6	13
2007	Multilayer Incremental Hybrid Cost-Sensitive Extreme Learning Machine With Multiple Hidden Output Matrix and Subnetwork Hidden Nodes. IEEE Access, 2019, 7, 118422-118434.	2.6	7
2008	A Novel Hybrid Extreme Learning Machine Approach Improved by K Nearest Neighbor Method and Fireworks Algorithm for Flood Forecasting in Medium and Small Watershed of Loess Region. Water (Switzerland), 2019, 11, 1848.	1.2	14
2009	A Spectral-Spatial Domain-Specific Convolutional Deep Extreme Learning Machine for Supervised Hyperspectral Image Classification. IEEE Access, 2019, 7, 132240-132252.	2.6	12
2010	A 2.86-TOPS/W Current Mirror Cross-Bar-Based Machine-Learning and Physical Unclonable Function Engine For Internet-of-Things Applications. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 2240-2252.	3.5	27
2011	Convolutional Neural Network based Eye Recognition from Distantly Acquired Face Images for Human Identification. , 2019, , .		1
2012	Assessing the Applicability of Random Forest, Stochastic Gradient Boosted Model, and Extreme Learning Machine Methods to the Quantitative Precipitation Estimation of the Radar Data: A Case Study to Gwangdeoksan Radar, South Korea, in 2018. Advances in Meteorology, 2019, 2019, 1-17.	0.6	11

#	Article	IF	CITATIONS
2013	Oak Leaf Classification: An Analysis of Features and Classifiers. , 2019, , .		5
2014	A random-weighted plane-Gaussian artificial neural network. Neural Computing and Applications, 2019, 31, 8681-8692.	3.2	9
2015	Classifying imbalanced data using ensemble of reduced kernelized weighted extreme learning machine. International Journal of Machine Learning and Cybernetics, 2019, 10, 3071-3097.	2.3	9
2016	A Fast Two-Stage Extreme Learning Machine. , 2019, , .		O
2017	Machine learning-based statistical testing hypothesis for fault detection in photovoltaic systems. Solar Energy, 2019, 190, 405-413.	2.9	70
2018	An Integrated Biomedical Event Trigger Identification Approach With a Neural Network and Weighted Extreme Learning Machine. IEEE Access, 2019, 7, 83713-83720.	2.6	3
2019	Single Wearable Accelerometer-Based Human Activity Recognition via Kernel Discriminant Analysis and QPSO-KELM Classifier. IEEE Access, 2019, 7, 109216-109227.	2.6	25
2020	Sparse Twin Extreme Learning Machine With \$varepsilon\$ -Insensitive Zone Pinball Loss. IEEE Access, 2019, 7, 112067-112078.	2.6	8
2021	Hybrid Data Regression Model Based on the Generalized Adaptive Resonance Theory Neural Network. IEEE Access, 2019, 7, 116438-116452.	2.6	2
2022	Power Control Identification: A Novel Sybil Attack Detection Scheme in VANETs Using RSSI. IEEE Journal on Selected Areas in Communications, 2019, 37, 2588-2602.	9.7	35
2023	Feature Selection Based on Extreme Learning Machine. , 2019, , .		0
2024	Stock market prediction using Firefly algorithm with evolutionary framework optimized feature reduction for OSELM method. Expert Systems With Applications: X, 2019, 4, 100016.	4.6	26
2025	On Theoretical Analysis of Single Hidden Layer Feedforward Neural Networks with Relu Activations. , 2019, , .		4
2026	Movie Emotion Estimation with Multimodal Fusion and Synthetic Data Generation. , 2019, , .		0
2027	Demagnetization Modeling Research for Permanent Magnet in PMSLM Using Extreme Learning Machine. , 2019, , .		1
2028	A new malware detection system using a high performance-ELM method. , 2019, , .		15
2029	Spectral-Spatial Hyperspectral Image Classification with Superpixel Pattern and Extreme Learning Machine. Remote Sensing, 2019, 11, 1983.	1.8	24
2030	Stacked autoencoders and extreme learning machine based hybrid model for electrical load prediction. Journal of Intelligent and Fuzzy Systems, 2019, 37, 5403-5416.	0.8	5

#	Article	IF	Citations
2031	An Extreme-Learning-Machine-Based Hyperspectral Detection Method of Insulator Pollution Degree. IEEE Access, 2019, 7, 121156-121164.	2.6	25
2032	A Novel Evolutionary Algorithm for Data Classification Problem With Extreme Learning Machines. IEEE Access, 2019, 7, 122419-122427.	2.6	14
2033	Evaluation and prediction for effect of conductive gussasphalt mixture on corrosion of steel bridge deck. Construction and Building Materials, 2019, 228, 116837.	3.2	16
2034	Regularization of Extreme Learning Machines with information of spatial relations of the projected data. , 2019, , .		1
2035	On Development of Module for Neural Tuner to Adjust D-part of PID-controller Online. Procedia Computer Science, 2019, 150, 208-215.	1.2	3
2036	Design of a smart socket for smart home energy management systems. , 2019, , .		2
2037	Triangular Type-2 Fuzzy Sets Based Weighted Regularized Extreme Learning Algorithm., 2019,,.		1
2038	An Integrated Methodology for Rule Extraction from ELM-Based Vacuum Tank Degasser Multiclassifier for Decision-Making. Energies, 2019, 12, 3535.	1.6	9
2039	DESIGN OF CONTROL SYSTEM FOR MOTOR IMAGERY BASED NEURO-AID APPLICATION. Biomedical Engineering - Applications, Basis and Communications, 2019, 31, 1950031.	0.3	2
2040	An Improved Autoencoder and Partial Least Squares Regression-Based Extreme Learning Machine Model for Pump Turbine Characteristics. Applied Sciences (Switzerland), 2019, 9, 3987.	1.3	9
2041	Application of fast curvelet Tsallis entropy and kernel random vector functional link network for automated detection of multiclass brain abnormalities. Computerized Medical Imaging and Graphics, 2019, 77, 101656.	3 <b>.</b> 5	16
2042	Denial of service attack and defense method on load frequency control system. Journal of the Franklin Institute, 2019, 356, 8625-8645.	1.9	48
2043	Temperature extraction for Brillouin optical fiber sensing system based on extreme learning machine. Optics Communications, 2019, 453, 124418.	1.0	8
2044	Side scan sonar image segmentation and synthesis based on extreme learning machine. Applied Acoustics, 2019, 146, 56-65.	1.7	23
2045	Joint Domain Matching and Classification for cross-domain adaptation via ELM. Neurocomputing, 2019, 349, 314-325.	3.5	14
2046	A fast decision making method for mandatory lane change using kernel extreme learning machine. International Journal of Machine Learning and Cybernetics, 2019, 10, 3363-3369.	2.3	5
2047	Analysis of high-dimensional genomic data employing a novel bio-inspired algorithm. Applied Soft Computing Journal, 2019, 77, 520-532.	4.1	41
2048	A robust outlier control framework for classification designed with family of homotopy loss function. Neural Networks, 2019, 112, 41-53.	3.3	10

#	ARTICLE	IF	CITATIONS
2049	Features Combined From Hundreds of Midlayers: Hierarchical Networks With Subnetwork Nodes. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3313-3325.	7.2	14
2050	An unsupervised parameter learning model for RVFL neural network. Neural Networks, 2019, 112, 85-97.	3.3	88
2051	Machine Learning and Integrative Analysis of Biomedical Big Data. Genes, 2019, 10, 87.	1.0	208
2052	Monitoring air pollution by deep features and extreme learning machine. Journal of Experimental and Theoretical Artificial Intelligence, 2019, 31, 517-531.	1.8	6
2053	Assessment of electronic system for e-patent application and economic growth prediction. Physica A: Statistical Mechanics and Its Applications, 2019, 520, 93-105.	1.2	6
2054	Improving Self-interacting Proteins Prediction Accuracy Using Protein Evolutionary Information and Weighed-Extreme Learning Machine. Current Bioinformatics, 2019, 14, 115-122.	0.7	12
2055	Violent scene detection algorithm based on kernel extreme learning machine and three-dimensional histograms of gradient orientation. Multimedia Tools and Applications, 2019, 78, 8497-8512.	2.6	17
2056	Convolutional Attention in Ensemble With Knowledge Transferred for Remote Sensing Image Classification. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 643-647.	1.4	5
2057	Sensitive time series prediction using extreme learning machine. International Journal of Machine Learning and Cybernetics, 2019, 10, 3371-3386.	2.3	14
2058	Data density-based clustering for regularized fuzzy neural networks based on nullneurons and robust activation function. Soft Computing, 2019, 23, 12475-12489.	2.1	23
2059	Extreme minimal learning machine: Ridge regression with distance-based basis. Neurocomputing, 2019, 342, 33-48.	3.5	17
2060	A novel extreme learning Machine-based Hammerstein-Wiener model for complex nonlinear industrial processes. Neurocomputing, 2019, 358, 246-254.	3.5	40
2061	Dataâ€driven modeling based on kernel extreme learning machine for sugarcane juice clarification. Food Science and Nutrition, 2019, 7, 1606-1614.	1.5	5
2062	A hybrid approach of intelligent systems to help predict absenteeism at work in companies. SN Applied Sciences, 2019, 1, 1.	1.5	16
2063	A hybrid prediction-based microgrid energy management strategy considering demand-side response and data interruption. International Journal of Electrical Power and Energy Systems, 2019, 113, 139-153.	3.3	35
2064	Incremental Multiple Hidden Layers Regularized Extreme Learning Machine Based on Forced Positive-Definite Cholesky Factorization. Mathematical Problems in Engineering, 2019, 2019, 1-15.	0.6	O
2065	Efficient boosted grey wolf optimizers for global search and kernel extreme learning machine training. Applied Soft Computing Journal, 2019, 81, 105521.	4.1	113
2066	Action recognition using weighted fusion of depth images and skeleton's key frames. Multimedia Tools and Applications, 2019, 78, 25063-25078.	2.6	9

#	Article	IF	CITATIONS
2067	The performance of ELM based ridge regression via the regularization parameters. Expert Systems With Applications, 2019, 134, 225-233.	4.4	29
2068	Study on novel signal processing and simultaneous-fault diagnostic method for wind turbine. Transactions of the Institute of Measurement and Control, 2019, 41, 4100-4113.	1.1	5
2069	Realization of a Hybrid Locally Connected Extreme Learning Machine With DeepID for Face Verification. IEEE Access, 2019, 7, 70447-70460.	2.6	8
2070	Operation rule derivation of hydropower reservoir by k-means clustering method and extreme learning machine based on particle swarm optimization. Journal of Hydrology, 2019, 576, 229-238.	2.3	117
2071	Learning Discriminative Compact Representation for Hyperspectral Imagery Classification. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8276-8289.	2.7	11
2072	Nonparametric Modeling and Parameter Optimization of Multistage Synchronous Induction Coilgun. IEEE Transactions on Plasma Science, 2019, 47, 3246-3255.	0.6	14
2073	Two-Stage Weighted Regularized Extreme Learning Machine for Class Imbalanced Learning. Communications in Computer and Information Science, 2019, , 358-369.	0.4	0
2074	A fast ELM-based machine compression scheme for underwater image transmission on a low-bandwidth acoustic channel. Sensor Review, 2019, 39, 542-553.	1.0	1
2075	Fast Sparse Deep Neural Networks: Theory and Performance Analysis. IEEE Access, 2019, 7, 74040-74055.	2.6	4
2076	Attack Detection for Securing Cyber Physical Systems. IEEE Internet of Things Journal, 2019, 6, 8471-8481.	<b>5.</b> 5	51
2077	A Heterogeneous AdaBoost Ensemble Based Extreme Learning Machines for Imbalanced Data. International Journal of Cognitive Informatics and Natural Intelligence, 2019, 13, 19-35.	0.4	4
2078	Representation learning by hierarchical ELM autoâ€encoder with double random hidden layers. IET Computer Vision, 2019, 13, 411-419.	1.3	10
2079	Power Quality Disturbance Classification Based on DWT and Multilayer Perceptron Extreme Learning Machine. Applied Sciences (Switzerland), 2019, 9, 2315.	1.3	22
2080	Exploration of Complementary Features for Speech Emotion Recognition Based on Kernel Extreme Learning Machine. IEEE Access, 2019, 7, 75798-75809.	2.6	45
2081	Dual Activation Function-Based Extreme Learning Machine (ELM) for Estimating Grapevine Berry Yield and Quality. Remote Sensing, 2019, 11, 740.	1.8	40
2082	A novel fault diagnosis technique for wind turbine gearbox. Applied Soft Computing Journal, 2019, 82, 105556.	4.1	36
2083	Forecasting salinity time series using RF and ELM approaches coupled with decomposition techniques. Stochastic Environmental Research and Risk Assessment, 2019, 33, 1117-1135.	1.9	28
2084	Effect of Image View for Mammogram Mass Classification – An Extreme Learning Based Approach. Lecture Notes in Computer Science, 2019, , 160-172.	1.0	0

#	ARTICLE	IF	CITATIONS
2085	MFA-OSELM Algorithm for WiFi-Based Indoor Positioning System. Information (Switzerland), 2019, 10, 146.	1.7	13
2086	Computational intelligence techniques for medical diagnosis and prognosis: Problems and current developments. Biocybernetics and Biomedical Engineering, 2019, 39, 638-672.	3.3	31
2087	A novel deep learning diagnosis scheme for rotating machinery using adaptive local iterative filtering and ensemble hierarchical extreme learning machine. Advances in Mechanical Engineering, 2019, 11, 168781401882481.	0.8	3
2088	High-Dimensional Multiple Bubbles Prediction Based on Sparse Constraints. IEEE Access, 2019, 7, 38356-38368.	2.6	1
2089	Stationary Wavelet-Fourier Entropy and Kernel Extreme Learning for Bearing Multi-Fault Diagnosis. Entropy, 2019, 21, 540.	1.1	9
2090	Application of quasi-oppositional symbiotic organisms search based extreme learning machine for stock market prediction. International Journal of Intelligent Computing and Cybernetics, 2019, 12, 175-193.	1.6	4
2091	Voxel-Based Morphometry: Improving the Diagnosis of Alzheimer's Disease Based on an Extreme Learning Machine Method from the ADNI cohort. Neuroscience, 2019, 414, 273-279.	1.1	25
2092	Image Steganalysis in High-Dimensional Feature Spaces with Proximal Support Vector Machine. International Journal of Digital Crime and Forensics, 2019, 11, 78-89.	0.5	3
2093	Small Dataset Modeling and Application of Plant Medicine Extraction. Communications in Computer and Information Science, 2019, , 381-392.	0.4	0
2094	A Current Mirror Cross Bar Based 2.86-TOPS/W Machine Learner and PUF with <2.5% BER in 65nm CMOS for IoT Application. , 2019, , .		2
2095	Distributed Kernel Extreme Learning Machines for Aircraft Engine Failure Diagnostics. Applied Sciences (Switzerland), 2019, 9, 1707.	1.3	11
2096	Stepwise extreme learning machine for statistical downscaling of daily maximum and minimum temperature. Stochastic Environmental Research and Risk Assessment, 2019, 33, 1035-1056.	1.9	3
2097	Instructor Activity Recognition through Deep Spatiotemporal Features and Feedforward Extreme Learning Machines. Mathematical Problems in Engineering, 2019, 2019, 1-13.	0.6	17
2098	The classification of gene expression profiles based on improved rotation forest algorithm. Journal of Intelligent and Fuzzy Systems, 2019, 37, 3125-3135.	0.8	1
2099	Extended sammon projection and wavelet kernel extreme learning machine for gait-based legitimate user identification., $2019$ ,,.		5
2100	Soft Measurement for VFA Concentration in Anaerobic Digestion for Treating Kitchen Waste Based on Improved DBN. IEEE Access, 2019, 7, 60931-60939.	2.6	11
2101	Prediction of Air Pollution Concentration Based on mRMR and Echo State Network. Applied Sciences (Switzerland), 2019, 9, 1811.	1.3	22
2102	On a new method of estimating shear wave velocity from conventional well logs. Journal of Petroleum Science and Engineering, 2019, 180, 105-123.	2.1	38

#	Article	IF	CITATIONS
2103	Ubiquitous Localization (UbiLoc): A Survey and Taxonomy on Device Free Localization for Smart World. IEEE Communications Surveys and Tutorials, 2019, 21, 3532-3564.	24.8	74
2104	Multi-Objective Evolutionary Optimization Algorithms for Machine Learning: A Recent Survey. Springer Optimization and Its Applications, 2019, , 35-55.	0.6	23
2105	Sparse and heuristic support vector machine for binary classifier and regressor fusion. International Journal of Machine Learning and Cybernetics, 2019, 10, 3667-3686.	2.3	5
2106	A combined mathematical morphology and extreme learning machine techniques based approach to micro-grid protection. Ain Shams Engineering Journal, 2019, 10, 307-318.	3.5	37
2107	Models for Predicting Business Bankruptcies and Their Application to Banking and to Financial Regulation. SSRN Electronic Journal, $0$ , , .	0.4	0
2108	Parcel-Based Crop Classification Using Multi-Temporal TerraSAR-X Dual Polarimetric Data. Remote Sensing, 2019, 11, 1148.	1.8	26
2109	A Hybrid Multi-Objective Optimization Model for Vibration Tendency Prediction of Hydropower Generators. Sensors, 2019, 19, 2055.	2.1	17
2110	Classification and Quantitative Evaluation of Eddy Current Based on Kernel-PCA and ELM for Defects in Metal Component. Metals, 2019, 9, 155.	1.0	12
2111	RGB-D-Based Object Recognition Using Multimodal Convolutional Neural Networks: A Survey. IEEE Access, 2019, 7, 43110-43136.	2.6	38
2112	A Hybrid Approach for Multi-Step Wind Speed Forecasting Based on Multi-Scale Dominant Ingredient Chaotic Analysis, KELM and Synchronous Optimization Strategy. Sustainability, 2019, 11, 1804.	1.6	33
2113	Towards a more efficient and cost-sensitive extreme learning machine: A state-of-the-art review of recent trend. Neurocomputing, 2019, 350, 70-90.	3.5	44
2114	Short-Term Electric Load and Price Forecasting Using Enhanced Extreme Learning Machine Optimization in Smart Grids. Energies, 2019, 12, 866.	1.6	57
2115	Learning from correlation with extreme learning machine. International Journal of Machine Learning and Cybernetics, 2019, 10, 3635-3645.	2.3	4
2116	Immune intelligent online modeling for the stretching process of fiber. Information Sciences, 2019, 485, 219-229.	4.0	0
2117	Combustion Optimization for Coal Fired Power Plant Boilers Based on Improved Distributed ELM and Distributed PSO. Energies, 2019, 12, 1036.	1.6	17
2118	Pressure prediction of a spark ignition single cylinder engine using optimized extreme learning machine models. Applied Energy, 2019, 249, 204-221.	5.1	55
2119	A robust classification algorithm for separation of construction waste using NIR hyperspectral system. Waste Management, 2019, 90, 1-9.	3.7	42
2120	Ensemble RBM-based classifier using fuzzy integral for big data classification. International Journal of Machine Learning and Cybernetics, 2019, 10, 3327-3337.	2.3	9

#	Article	IF	CITATIONS
2121	Iterative minimal residual method provides optimal regularization parameter for extreme learning machines. Results in Physics, 2019, 13, 102082.	2.0	6
2122	Prediction of field-dependent rheological properties of magnetorheological grease using extreme learning machine method. Journal of Intelligent Material Systems and Structures, 2019, 30, 1727-1742.	1.4	24
2123	An Online Calibration Method for a Galvanometric System Based on Wavelet Kernel ELM. Sensors, 2019, 19, 1353.	2.1	5
2124	A review of improved extreme learning machine methods for data stream classification. Multimedia Tools and Applications, 2019, 78, 33375-33400.	2.6	21
2125	A novel hybrid approach based on a swarm intelligence optimized extreme learning machine for flash flood susceptibility mapping. Catena, 2019, 179, 184-196.	2.2	214
2126	Fast kernel extreme learning machine for ordinal regression. Knowledge-Based Systems, 2019, 177, 44-54.	4.0	15
2127	First Effort at Constructing a High-Density Photosynthetically Active Radiation Dataset during 1961–2014 in China. Journal of Climate, 2019, 32, 2761-2780.	1.2	24
2128	Hypercomplex extreme learning machine with its application in multispectral palmprint recognition. PLoS ONE, 2019, 14, e0209083.	1.1	10
2129	Electricity Load Forecasting for Each Day of Week Using Deep CNN. Advances in Intelligent Systems and Computing, 2019, , 1107-1119.	0.5	20
2130	Pairwise comparison learning based bearing health quantitative modeling and its application in service life prediction. Future Generation Computer Systems, 2019, 97, 578-586.	4.9	41
2131	Segment-level probabilistic sequence kernel and segment-level pyramid match kernel based extreme learning machine for classification of varying length patterns of speech. International Journal of Speech Technology, 2019, 22, 231-249.	1.4	2
2132	Multilayer one-class extreme learning machine. Neural Networks, 2019, 115, 11-22.	3.3	64
2133	Fast and unsupervised outlier removal by recurrent adaptive reconstruction extreme learning machine. International Journal of Machine Learning and Cybernetics, 2019, 10, 3539-3556.	2.3	1
2134	An Enhanced Group Recommender System by Exploiting Preference Relation. IEEE Access, 2019, 7, 24852-24864.	2.6	14
2135	Identify Severity Bug Report with Distribution Imbalance by CR-SMOTE and ELM. International Journal of Software Engineering and Knowledge Engineering, 2019, 29, 139-175.	0.6	118
2136	A gas source declaration scheme based on a tetrahedral sensor structure in three-dimensional airflow environments. Review of Scientific Instruments, 2019, 90, 024104.	0.6	1
2137	RAMTEL: Robust Acoustic Motion Tracking Using Extreme Learning Machine for Smart Cities. IEEE Internet of Things Journal, 2019, 6, 7555-7569.	5.5	9
2138	Bio-Inspired Magnetostrictive Tactile Sensor for Surface Material Recognition. IEEE Transactions on Magnetics, 2019, 55, 1-7.	1.2	18

#	Article	IF	Citations
2139	Evolutionary parallel extreme learning machines for the data classification problem. Computers and Industrial Engineering, 2019, 130, 237-249.	3.4	21
2140	Modeling the compressive strength of high-strength concrete: An extreme learning approach. Construction and Building Materials, 2019, 208, 204-219.	3.2	116
2141	Extreme learning machine-based non-linear observer for fault detection and isolation of wind turbine. Australian Journal of Electrical and Electronics Engineering, 2019, 16, 12-20.	0.7	8
2142	Bed load prediction in gravel-bed rivers using wavelet kernel extreme learning machine and meta-heuristic methods. International Journal of Environmental Science and Technology, 2019, 16, 8197-8208.	1.8	19
2143	Extreme Learning Machine Model for State-of-Charge Estimation of Lithium-Ion Battery Using Gravitational Search Algorithm. IEEE Transactions on Industry Applications, 2019, 55, 4225-4234.	3.3	126
2144	Extreme learning machine optimized by whale optimization algorithm using insulated gate bipolar transistor module aging degree evaluation. Expert Systems With Applications, 2019, 127, 58-67.	4.4	63
2145	An Ensemble Classification Algorithm Based on Information Entropy for Data Streams. Neural Processing Letters, 2019, 50, 2101-2117.	2.0	5
2146	Big data driven lithium-ion battery modeling method based on SDAE-ELM algorithm and data pre-processing technology. Applied Energy, 2019, 242, 1259-1273.	5.1	93
2147	Energy production predication via Internet of Thing based machine learning system. Future Generation Computer Systems, 2019, 97, 180-193.	4.9	13
2148	ELM-Kernel and reduced kernel ELM based watermarking scheme. Journal of Information Security and Applications, 2019, 46, 173-192.	1.8	7
2149	Human Action Recognition Using Multilevel Depth Motion Maps. IEEE Access, 2019, 7, 41811-41822.	2.6	15
2150	A Hybrid Feature Extraction Method With Regularized Extreme Learning Machine for Brain Tumor Classification. IEEE Access, 2019, 7, 36266-36273.	2.6	244
2151	A minimax probability extreme machine framework and its application in pattern recognition. Engineering Applications of Artificial Intelligence, 2019, 81, 260-269.	4.3	8
2152	Bi-level multi-objective evolution of a Multi-Layered Echo-State Network Autoencoder for data representations. Neurocomputing, 2019, 341, 195-211.	3.5	18
2153	Comparison of Multiple Linear Regression, Artificial Neural Network, Extreme Learning Machine, and Support Vector Machine in Deriving Operation Rule of Hydropower Reservoir. Water (Switzerland), 2019, 11, 88.	1.2	88
2154	Designing a New Data Intelligence Model for Global Solar Radiation Prediction: Application of Multivariate Modeling Scheme. Energies, 2019, 12, 1365.	1.6	16
2155	Combining Binary and Post-Classification Change Analysis of Augmented ALOS Backscatter for Identifying Subtle Land Cover Changes. Remote Sensing, 2019, 11, 100.	1.8	19
2156	Magnetic Resonance Imaging, texture analysis and regression techniques to non-destructively predict the quality characteristics of meat pieces. Engineering Applications of Artificial Intelligence, 2019, 82, 110-125.	4.3	10

#	Article	IF	CITATIONS
2157	Analysis of hybrid statistical textural and intensity features to discriminate retinal abnormalities through classifiers. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2019, 233, 506-514.	1.0	3
2158	Multiple resolution block feature for remote-sensing scene classification. International Journal of Remote Sensing, 2019, 40, 6884-6904.	1.3	13
2159	Pedestrian and cyclist detection based on deep neural network fast R-CNN. International Journal of Advanced Robotic Systems, 2019, 16, 172988141982965.	1.3	15
2160	Machine learning regressors for solar radiation estimation from satellite data. Solar Energy, 2019, 183, 768-775.	2.9	93
2161	Brain MRI Image Classification for Cancer Detection Using Deep Wavelet Autoencoder-Based Deep Neural Network. IEEE Access, 2019, 7, 46278-46287.	2.6	190
2162	Local Block Multilayer Sparse Extreme Learning Machine for Effective Feature Extraction and Classification of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5580-5594.	2.7	37
2163	Forecasting the time of failure of landslides at slope-scale: A literature review. Earth-Science Reviews, 2019, 193, 333-349.	4.0	186
2164	Pulsar Detection for Wavelets SODA and Regularized Fuzzy Neural Networks Based on Andneuron and Robust Activation Function. International Journal on Artificial Intelligence Tools, 2019, 28, 1950003.	0.7	15
2165	Sliding mode control based on a hybrid grey-wolf-optimized extreme learning machine for robot manipulators. Optik, 2019, 185, 364-380.	1.4	27
2166	A hybrid variable selection method based on wavelet transform and mean impact value for calorific value determination of coal using laser-induced breakdown spectroscopy and kernel extreme learning machine. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2019, 154, 75-81.	1.5	44
2167	Effective Crack Damage Detection Using Multilayer Sparse Feature Representation and Incremental Extreme Learning Machine. Applied Sciences (Switzerland), 2019, 9, 614.	1.3	13
2168	An efficient chaotic mutative moth-flame-inspired optimizer for global optimization tasks. Expert Systems With Applications, 2019, 129, 135-155.	4.4	220
2169	Performance degradation assessment of a wind turbine gearbox based on multi-sensor data fusion. Mechanism and Machine Theory, 2019, 137, 509-526.	2.7	77
2170	Assessing the performance of 38 machine learning models: the case of land consumption rates in Bavaria, Germany. International Journal of Geographical Information Science, 2019, 33, 1399-1419.	2.2	38
2171	Support Vector Machine for Analyzing Contributions of Brain Regions During Task-State fMRI. Frontiers in Neuroinformatics, 2019, 13, 10.	1.3	25
2172	Using Resistin, Glucose, Age and BMI and Pruning Fuzzy Neural Network for the Construction of Expert Systems in the Prediction of Breast Cancer. Machine Learning and Knowledge Extraction, 2019, 1, 466-482.	3.2	48
2173	Image classification method rationally utilizing spatial information of the image. Multimedia Tools and Applications, 2019, 78, 19181-19199.	2.6	6
2174	Digital Twin-Driven Prognostics and Health Management. , 2019, , 141-167.		1

#	Article	IF	CITATIONS
2175	Improved estimation of aboveground biomass in wheat from RCB imagery and point cloud data acquired with a low-cost unmanned aerial vehicle system. Plant Methods, 2019, 15, 17.	1.9	117
2176	An intelligent bearing fault diagnosis system: A review. MATEC Web of Conferences, 2019, 255, 06005.	0.1	16
2177	A Hybrid Ensemble Model Based on ELM and Improved AdaBoost.RT Algorithm for Predicting the Iron Ore Sintering Characters. Computational Intelligence and Neuroscience, 2019, 2019, 1-11.	1.1	21
2178	A Real-time BOD Estimation Method in Wastewater Treatment Process Based on an Optimized Extreme Learning Machine. Applied Sciences (Switzerland), 2019, 9, 523.	1.3	20
2179	Combining Multi-Scale Wavelet Entropy and Kernelized Classification for Bearing Multi-Fault Diagnosis. Entropy, 2019, 21, 152.	1.1	23
2180	Replay and key-events detection for sports video summarization using confined elliptical local ternary patterns and extreme learning machine. Applied Intelligence, 2019, 49, 2899-2917.	3.3	22
2181	Convolutional neural network based on an extreme learning machine for image classification. Neurocomputing, 2019, 339, 66-76.	3.5	42
2182	Rich Feature Combination for Cost-Based Broad Learning System. IEEE Access, 2019, 7, 160-172.	2.6	32
2183	ECG BEAT DETECTION AND CLASSIFICATION SYSTEM USING WAVELET TRANSFORM AND ONLINE SEQUENTIAL ELM. Journal of Mechanics in Medicine and Biology, 2019, 19, 1940008.	0.3	18
2184	Identification of power quality events: selection of optimum base wavelet and machine learning algorithm. IET Science, Measurement and Technology, 2019, 13, 260-271.	0.9	29
2185	A New Kernel Extreme Learning Machine Framework for Somatization Disorder Diagnosis. IEEE Access, 2019, 7, 45512-45525.	2.6	30
2186	Mobile Robot Indoor Positioning System Based on K-ELM. Journal of Sensors, 2019, 2019, 1-11.	0.6	14
2187	An evolutionary deep belief network extreme learning-based for breast cancer diagnosis. Soft Computing, 2019, 23, 13139-13159.	2.1	58
2188	Prediction of apoptosis protein subcellular localization via heterogeneous features and hierarchical extreme learning machine. SAR and QSAR in Environmental Research, 2019, 30, 209-228.	1.0	16
2189	Evaluation of Damage Severity of Tea Plants Using Electronic Nose. Transactions of the ASABE, 2019, 62, 95-104.	1.1	2
2190	Automatic Brain Tumor Segmentation and Overall Survival Prediction Using Machine Learning Algorithms. Lecture Notes in Computer Science, 2019, , 406-418.	1.0	14
2191	An integrated recommender system for improved accuracy and aggregate diversity. Computers and Industrial Engineering, 2019, 130, 187-197.	3.4	45
2192	Hyperspectral image classification based on multiple reduced kernel extreme learning machine. International Journal of Machine Learning and Cybernetics, 2019, 10, 3397-3405.	2.3	16

#	Article	IF	CITATIONS
2193	Real-time detection of driver distraction: random projections for pseudo-inversion-based neural training. Knowledge and Information Systems, 2019, 60, 1549-1564.	2.1	10
2194	An empirical evaluation of extreme learning machine: application to handwritten character recognition. Multimedia Tools and Applications, 2019, 78, 19495-19523.	2.6	28
2195	Machine learning facilitated business intelligence (Part II). Industrial Management and Data Systems, 2019, 120, 128-163.	2.2	17
2196	Machine learning facilitated business intelligence (Part I). Industrial Management and Data Systems, 2019, 120, 164-195.	2.2	36
2197	Research on Underwater Acoustic Location Algorithm Based on Multilayer Extreme Learning Machine. , 2019, , .		0
2198	Prediction model of blast furnace molten iron temperature based on GRA-DE-KELM. IOP Conference Series: Materials Science and Engineering, 2019, 631, 022073.	0.3	0
2199	Safety Boundary Extraction Using FCM and Prediction Using ELM for Aero-engine Performance Parameters. , 2019, , .		1
2200	Analytical Incremental Learning for Power Transformer Incipient Fault Diagnosis Based on Dissolved Gas Analysis. , 2019, , .		2
2201	Malaria Disease Prediction Based on Machine Learning. , 2019, , .		12
2202	Bayes-OS-ELM :An Novel Ensemble Method For Classification Application. , 2019, , .		0
2203	Ship and Corner Reflector Identification Based on Extreme Learning Machine. , 2019, , .		0
2204	Two-stage Photovoltaic Power Forecasting based on Extreme Learning Machine and Improved Pointwise Mutual Information. , 2019, , .		1
2205	State Parameter Prediction of Fire Based on Extreme Learning Machine., 2019,,.		0
2206	Within-Class Scatter Constraint Based Randomized Autoencoder for One-Class Classification. , 2019, , .		2
2207	A Hidden Feature Selection Method based on I2,0-Norm Regularization for Training Single-hidden-layer Neural Networks. , 2019, , .		1
2208	Comparison of force estimation using surface EMG from forearm muscles. , 2019, , .		0
2209	Constrained State-Preserved Extreme Learning Machine. , 2019, , .		2
2210	Multiâ€label automatic image annotation approach based on multiple improvement strategies. IET Image Processing, 2019, 13, 623-633.	1.4	2

#	Article	IF	CITATIONS
2211	Snake Fruit Classification by Using Histogram of Oriented Gradient Feature and Extreme Learning Machine. , 2019, , .		1
2212	Numerical Modeling of Suspension Force for Bearingless Flywheel Machine Based on Differential Evolution Extreme Learning Machine. Energies, 2019, 12, 4470.	1.6	4
2213	An Empirical Performance Analysis of Brain Image Classification Models Using Variants of Neural Networks. , 2019, , .		0
2214	Research on Construction Method of Glue Spreading Quality Database Based on Extreme Learning Machine. , 2019, , .		2
2215	Extracting Audio-Visual Features for Emotion Recognition Through Active Feature Selection., 2019,,.		1
2216	Stacking-based deep neural network for Facial Expression Recognition. , 2019, , .		1
2217	CoFINLo: Coarse to Fine Indoor Navigation and Localization System. , 2019, , .		0
2218	Fault diagnosis of Combined Cycle Power Plant Using ELM. , 2019, , .		2
2219	Wind turbine power curve estimation based on earth mover distance and artificial neural networks. IET Renewable Power Generation, 2019, 13, 2939-2946.	1.7	5
2220	Clinical Human Gait Classification: Extreme Learning Machine Approach. , 2019, , .		63
2221	Data Driven Hourly Taxi Drop-offs Prediction using TLC Trip Record Data., 2019,,.		2
2222	Towards Intelligent Intracortical BMI (i\$^2\$BMI): Low-Power Neuromorphic Decoders That Outperform Kalman Filters. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 1615-1624.	2.7	18
2223	A New Expert Hepatitis Diagnosis System Based on Linear Discriminant Analysis - Extreme Learning Machine Classifier. , 2019, , .		0
2224	Quantitative Analysis of Gas Phase IR Spectra Based on Extreme Learning Machine Regression Model. Sensors, 2019, 19, 5535.	2.1	11
2225	Neural Networks Based Interaction Matrix Approximation for IBVS Applications., 2019,,.		0
2226	Music Style Classification with Compared Methods in XGB and BPNN. , 2019, , .		1
2227	Online Sequential Extreme Learning Machine Algorithm for Better Prediction of the Real-time Electricity Price under Dynamic Environmental Changes. , 2019, , .		5
2228	Vibration source classification and propagation distance estimation system based on spectrogram and KELM. Cognitive Computation and Systems, 2019, 1, 26-33.	0.8	1

#	Article	IF	CITATIONS
2229	An artificial neural network approach to inhomogeneous soil slope stability predictions based on limit analysis methods. Soils and Foundations, 2019, 59, 556-569.	1.3	42
2230	Improved Indoor positioning algorithm using KPCA and ELM. , 2019, , .		10
2231	Design and Implementation of an Intelligent Single Line to Ground Fault Locator for Distribution Feeders. , 2019, , .		11
2232	Features Selection for Classification of SMILES Codes Based on Their Function. , 2019, , .		1
2233	Prediction method of silicon content in blast furnace hot metal based on IPSO-HKELM. Journal of Physics: Conference Series, 2019, 1314, 012069.	0.3	0
2234	Neuromemristive Multi-Layer Random Projection Network with On-Device Learning. , 2019, , .		2
2235	A Machine Learning Approach to the Estimation of Near-Optimal Electrostatic Force in Micro Energy-Harvesters. , 2019, , .		5
2236	Data-driven model-free adaptive sliding mode control for melt surface temperature of Czochralski silicon monocrystal growth process. , 2019, , .		0
2237	A Fast Privacy-Preserving Multi-Layer Perceptron Using Ring-LWE-Based Homomorphic Encryption. , 2019, , .		0
2238	The Effect of Time on the Maintenance of a Predictive Model. , 2019, , .		4
2239	Financial and Non-Stationary Time Series Forecasting using LSTM Recurrent Neural Network for Short and Long Horizon. , 2019, , .		16
2240	A Systematic Error Compensation Method Based on an Optimized Extreme Learning Machine for Star Sensor Image Centroid Estimation. Applied Sciences (Switzerland), 2019, 9, 4751.	1.3	3
2241	CORONARY HEART DISEASE DETECTION USING NONLINEAR FEATURES AND ONLINE SEQUENTIAL EXTREME LEARNING MACHINE. Biomedical Engineering - Applications, Basis and Communications, 2019, 31, 1950046.	0.3	2
2242	A Combined Reward-Penalty Loss Function based Extreme Learning Machine for binary classification. , 2019, , .		1
2243	Short-Term Passenger Flow Prediction Based on Wavelet Transform and Kernel Extreme Learning Machine. IEEE Access, 2019, 7, 158025-158034.	2.6	23
2244	A Secure Received Signal Strength based Indoor Localization Algorithm Using OS-ELM and Clustering Analysis Technique. , 2019, , .		0
2245	A Received Signal Strength Based Indoor Localization Algorithm Using ELM Technique and Ridge Regression. , 2019, , .		2
2246	Motor Imagination EEG Recognition Algorithm based on DWT, CSP and Extreme Learning Machine. , 2019, , .		3

#	Article	IF	CITATIONS
2247	Human Action Recognition Using GLAC Features on Multi-view Binary Coded Images. , 2019, , .		1
2248	Using hybrid systems in the construction of expert systems in the identification of cognitive and motor problems in children and young people., 2019,,.		11
2249	Prediction of Critical Clearing Time for Transient Stability Based on Ensemble Extreme Learning Machine Regression Model., 2019, , .		3
2250	A Prediction Method for Blood Glucose Based on Grey Wolf optimization Evolving Kernel Extreme Learning Machine. , $2019, \ldots$		5
2251	Kernel Entropy Component Analysis-Based Robust Hyperspectral Image Supervised Classification. Remote Sensing, $2019,11,2823.$	1.8	6
2252	A Rapidly Assessed Wetland Stress Index (RAWSI) Using Landsat 8 and Sentinel-1 Radar Data. Remote Sensing, 2019, 11, 2549.	1.8	11
2253	Design of IE4 Level Synchronous Reluctance Machines with Different Number of Poles. , 2019, , .		4
2254	Enhanced Online Sequential Parallel Extreme Learning Machine and its Application in Remaining Useful Life Prediction of Integrated Modular Avionics. IEEE Access, 2019, 7, 183479-183488.	2.6	5
2255	An intelligent multi-floor indoor positioning system for cloud-based environment. International Journal of Computers and Applications, 2022, 44, 1170-1177.	0.8	9
2256	Non-intrusive Load Identification Method Based on Integrated Intelligence Strategy. , 2019, , .		4
2257	Multi-Objective Optimization for Flood Interval Prediction Based on Orthogonal Chaotic NSGA-II and Kernel Extreme Learning Machine. Water Resources Management, 2019, 33, 4731-4748.	1.9	7
2258	Improving Human Action Recognition Using Hierarchical Features And Multiple Classifier Ensembles. Computer Journal, 2021, 64, 1633-1655.	1.5	8
2259	A Fast Online Cascaded Regression Algorithm for Face Alignment. , 2019, , .		0
2260	Text Localization in Natural Scene Images Using Extreme Learning Machine. , 2019, , .		5
2261	A Fast Algorithm for Multi-Class Learning from Label Proportions. Electronics (Switzerland), 2019, 8, 609.	1.8	4
2262	Wind Power Short-Term Forecasting Hybrid Model Based on CEEMD-SE Method. Processes, 2019, 7, 843.	1.3	29
2263	ELM-Fuzzy Method for Automated Decision-Making in Price Directed Electricity Markets., 2019, , .		3
2264	An Efficient Classification of Fuzzy XML Documents Based on Kernel ELM. Information Systems Frontiers, 2021, 23, 515-530.	4.1	3

#	Article	IF	CITATIONS
2265	Probabilistic Weighted Extreme Learning Machine for Robust Modeling., 2019,,.		0
2266	Analytical Calculation of Hidden Layer Biases in Extreme Learning Machines with Sinusoidal Activation Function. , 2019, , .		0
2267	Bayesian Fuzzy Clustering neural network for regression problems. , 2019, , .		6
2268	Feature selection for orthogonal broad learning system based on mutual information. , 2019, , .		3
2269	Proactive frequency control based on ultraâ€shortâ€term power fluctuation forecasting for high renewables penetrated power systems. IET Renewable Power Generation, 2019, 13, 2166-2173.	1.7	24
2270	Diagnosis of Diabetes using an Extreme Learning Machine Algorithm based Model. , 2019, , .		6
2271	Prediction of ultra-short-term wind power based on BBO-KELM method. Journal of Renewable and Sustainable Energy, 2019, 11, 056104.	0.8	14
2272	Intelligent Fault Classification and Location Identification Method for Microgrids Using Discrete Orthonormal Stockwell Transform-Based Optimized Multi-Kernel Extreme Learning Machine. Energies, 2019, 12, 4504.	1.6	24
2273	Machine-learning based reconstructions of primary and secondary climate variables from North American and European fossil pollen data. Scientific Reports, 2019, 9, 15805.	1.6	28
2274	Change Detection From Synthetic Aperture Radar Images Based on Channel Weighting-Based Deep Cascade Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 4517-4529.	2.3	53
2275	A novel method for total chlorine detection using machine learning with electrode arrays. RSC Advances, 2019, 9, 34196-34206.	1.7	5
2276	Semi-Supervised Online Elastic Extreme Learning Machine with Forgetting Parameter to deal with concept drift in data streams. , 2019, , .		4
2277	Hybrid Load Identification Model Based on Grey Wolf Optimization Algorithm., 2019,,.		0
2278	Connecting Subspace Learning and Extreme Learning Machine in Speech Emotion Recognition. IEEE Transactions on Multimedia, 2019, 21, 795-808.	5.2	39
2279	Applying Upstream Satellite Signals and a 2-D Error Minimization Algorithm to Advance Early Warning and Management of Flood Water Levels and River Discharge. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 902-910.	2.7	21
2280	Structured Manifold Broad Learning System: A Manifold Perspective for Large-Scale Chaotic Time Series Analysis and Prediction. IEEE Transactions on Knowledge and Data Engineering, 2019, 31, 1809-1821.	4.0	84
2281	Sensitivity analysis of parameters affecting scour depth around bridge piers based on the non-tuned, rapid extreme learning machine method. Neural Computing and Applications, 2019, 31, 9145-9156.	3.2	12
2282	Extreme learning machine based selected harmonic elimination for single phase inverters. Measurement: Journal of the International Measurement Confederation, 2019, 131, 300-308.	2.5	5

#	Article	IF	CITATIONS
2283	Information system for e-GDP based on computational intelligence approach. Physica A: Statistical Mechanics and Its Applications, 2019, 513, 418-423.	1.2	9
2284	Hyperspectral image classification using multi-feature fusion. Optics and Laser Technology, 2019, 110, 176-183.	2.2	14
2285	A Novel Ensemble ELM for Human Activity Recognition Using Smartphone Sensors. IEEE Transactions on Industrial Informatics, 2019, 15, 2691-2699.	7.2	110
2286	Universal Approximation Capability of Broad Learning System and Its Structural Variations. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1191-1204.	7.2	328
2287	Hierarchical extreme learning machine based image denoising network for visual Internet of Things. Applied Soft Computing Journal, 2019, 74, 747-759.	4.1	15
2288	A Soft Sensing Scheme of Gas Utilization Ratio Prediction for Blast Furnace Via Improved Extreme Learning Machine. Neural Processing Letters, 2019, 50, 1191-1213.	2.0	21
2289	A novel system based on neural networks with linear combination framework for wind speed forecasting. Energy Conversion and Management, 2019, 181, 425-442.	4.4	59
2290	A novel multi-segment feature fusion based fault classification approach for rotating machinery. Mechanical Systems and Signal Processing, 2019, 122, 19-41.	4.4	30
2291	Novel paralleled extreme learning machine networks for fault diagnosis of wind turbine drivetrain. Memetic Computing, 2019, 11, 127-142.	2.7	14
2292	Generalized class-specific kernelized extreme learning machine for multiclass imbalanced learning. Expert Systems With Applications, 2019, 121, 244-255.	4.4	23
2293	Intelligent explicit model predictive control based on machine learning for microbial desalination cells. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2019, 233, 751-763.	0.7	4
2294	Using Genetic Algorithm and ELM Neural Networks for Feature Extraction and Classification of Type 2-Diabetes Mellitus. Applied Artificial Intelligence, 2019, 33, 311-328.	2.0	36
2295	Braindrop: A Mixed-Signal Neuromorphic Architecture With a Dynamical Systems-Based Programming Model. Proceedings of the IEEE, 2019, 107, 144-164.	16.4	140
2296	An extensive experimental survey of regression methods. Neural Networks, 2019, 111, 11-34.	3.3	163
2297	Nonlinear Curve Fitting Using Extreme Learning Machines and Radial Basis Function Networks. Computing in Science and Engineering, 2019, 21, 6-15.	1.2	4
2298	Prediction of Gas Utilization Ratio Based on the Kernel Extreme Learning Machine. Lecture Notes in Electrical Engineering, 2019, , 463-471.	0.3	О
2299	Deep convolutional extreme learning machines: Filters combination and error model validation. Neurocomputing, 2019, 329, 359-369.	3.5	29
2300	Deep Multiview Heartwave Authentication. IEEE Transactions on Industrial Informatics, 2019, 15, 777-786.	7.2	13

#	Article	IF	Citations
2301	Person Recognition via Facial Expression Using ELM Classifier Based CNN Feature Maps. Proceedings in Adaptation, Learning and Optimization, 2019, , 162-171.	1.5	0
2302	Deep convolutional representations and kernel extreme learning machines for image classification. Multimedia Tools and Applications, 2019, 78, 29271-29290.	2.6	12
2304	When Urban Safety Index Inference Meets Location-Based Data. IEEE Transactions on Mobile Computing, 2019, 18, 2701-2713.	3.9	7
2305	Fast active learning for hyperspectral image classification using extreme learning machine. IET Image Processing, 2019, 13, 549-555.	1.4	8
2306	Extreme Learning Machine With Affine Transformation Inputs in an Activation Function. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2093-2107.	7.2	47
2307	Collaborative extreme learning machine with a confidence interval for P2P learning in healthcare. Computer Networks, 2019, 149, 127-143.	3.2	17
2308	Quantized Minimum Error Entropy Criterion. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1370-1380.	7.2	34
2309	An Intelligent Time-Adaptive Data-Driven Method for Sensor Fault Diagnosis in Induction Motor Drive System. IEEE Transactions on Industrial Electronics, 2019, 66, 9817-9827.	5.2	98
2310	Least squares support vector machine with self-organizing multiple kernel learning and sparsity. Neurocomputing, 2019, 331, 493-504.	3.5	28
2311	A new technique for ECG signal classification genetic algorithm Wavelet Kernel extreme learning machine. Optik, 2019, 180, 46-55.	1.4	50
2312	System-on-a-Chip (SoC)-Based Hardware Acceleration for an Online Sequential Extreme Learning Machine (OS-ELM). IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2019, 38, 2127-2138.	1.9	31
2313	Monitoring Wind Turbines' Unhealthy Status: A Data-Driven Approach. IEEE Transactions on Emerging Topics in Computational Intelligence, 2019, 3, 163-172.	3.4	22
2314	Multi-Fault Rapid Diagnosis for Wind Turbine Gearbox Using Sparse Bayesian Extreme Learning Machine. IEEE Access, 2019, 7, 773-781.	2.6	31
2315	A Hybrid Model Based on Constraint OSELM, Adaptive Weighted SRC and KNN for Large-Scale Indoor Localization. IEEE Access, 2019, 7, 6971-6989.	2.6	19
2316	A Large Dimensional Analysis of Least Squares Support Vector Machines. IEEE Transactions on Signal Processing, 2019, 67, 1065-1074.	3.2	19
2317	Dehydration modeling of <i>Cordyceps militaris</i> in mid-infrared-assisted convection drying system: Using low-field nuclear magnetic resonance with the aid of ELM and PLSR. Drying Technology, 2019, 37, 2072-2086.	1.7	14
2318	The whirlpool algorithm based on physical phenomenon for solving optimization problems. Engineering Computations, 2019, 36, 664-690.	0.7	7
2319	FPGA-Based Online Power Quality Disturbances Monitoring Using Reduced-Sample HHT and Class-Specific Weighted RVFLN. IEEE Transactions on Industrial Informatics, 2019, 15, 4614-4623.	7.2	66

#	Article	IF	CITATIONS
2320	Single-Trial Recognition of Imagined Forces and Speeds of Hand Clenching Based on Brain Topography and Brain Network. Brain Topography, 2019, 32, 240-254.	0.8	4
2321	Noise reduction for near-infrared spectroscopy data using extreme learning machines. Engineering Applications of Artificial Intelligence, 2019, 79, 13-22.	4.3	14
2322	A new robust kernel ridge regression classifier for islanding and power quality disturbances in a multi distributed generation based microgrid. Renewable Energy Focus, 2019, 28, 78-99.	2.2	22
2323	Image Classification Using Low-Rank Regularized Extreme Learning Machine. IEEE Access, 2019, 7, 877-883.	2.6	6
2324	Comparison of Econometric Models and Artificial Neural Networks Algorithms for the Prediction of Baltic Dry Index. IEEE Access, 2019, 7, 1647-1657.	2.6	26
2325	Image Noise Level Estimation for Rice Noise Based on Extended ELM Neural Network Training Algorithm. IEEE Access, 2019, 7, 1943-1951.	2.6	7
2326	HCKBoost: Hybridized composite kernel boosting with extreme learning machines for hyperspectral image classification. Neurocomputing, 2019, 334, 100-113.	3.5	14
2327	<inline-formula> <tex-math notation="LaTeX">\$L_{21}\$ </tex-math> </inline-formula> -Norm Based Loss Function and Regularization Extreme Learning Machine. IEEE Access, 2019, 7, 6575-6586.	2.6	23
2328	Weighted Extreme Sparse Classifier and Local Derivative Pattern for 3D Face Recognition. IEEE Transactions on Image Processing, 2019, 28, 3020-3033.	6.0	16
2329	A New Method for Classifying Random Variables Based on Support Vector Machine. Journal of Classification, 2019, 36, 152-174.	1.2	3
2330	Extreme learning machine Cox model for highâ€dimensional survival analysis. Statistics in Medicine, 2019, 38, 2139-2156.	0.8	31
2331	A new platform for the prediction of field-dependent yield stress and plastic viscosity of magnetorheological fluids using particle swarm optimization. Applied Soft Computing Journal, 2019, 76, 615-628.	4.1	20
2332	Downscaling MODIS land surface temperature over a heterogeneous area: An investigation of machine learning techniques, feature selection, and impacts of mixed pixels. Computers and Geosciences, 2019, 124, 93-102.	2.0	67
2333	A multi-objective wind speed and wind power prediction interval forecasting using variational modes decomposition based Multi-kernel robust ridge regression. Renewable Energy, 2019, 136, 701-731.	4.3	98
2334	Enhancing unsupervised neural networks based text summarization with word embedding and ensemble learning. Expert Systems With Applications, 2019, 123, 195-211.	4.4	69
2335	Very Short-Term Wind Power Prediction Interval Framework via Bi-Level Optimization and Novel Convex Cost Function. IEEE Transactions on Power Systems, 2019, 34, 1289-1300.	4.6	19
2336	A Fully Adaptive Image Classification Approach for Industrial Revolution 4.0. Advances in Intelligent Systems and Computing, 2019, , 311-321.	0.5	7
2337	A Novel Ship Target Detection Algorithm Based on Error Self-adjustment Extreme Learning Machine and Cascade Classifier. Cognitive Computation, 2019, 11, 110-124.	3.6	21

#	Article	IF	CITATIONS
2338	Anti-spoofing cloud-based multi-spectral biometric identification system for enterprise security and privacy-preservation. Journal of Parallel and Distributed Computing, 2019, 124, 27-40.	2.7	38
2339	Prediction of Water Quality., 2019, , 161-197.		1
2340	Aircraft engine degradation prognostics based on logistic regression and novel OS-ELM algorithm. Aerospace Science and Technology, 2019, 84, 661-671.	2.5	69
2341	Fuzzy One-Class Extreme Auto-encoder. Neural Processing Letters, 2019, 50, 701-727.	2.0	9
2342	Embedded Deep Neural Networks. , 2019, , 1-31.		1
2343	Unsupervised segmentation and elm for fabric defect image classification. Multimedia Tools and Applications, 2019, 78, 12421-12449.	2.6	23
2344	A Novel fuzzy frame selection based watermarking scheme for MPEG-4 videos using Bi-directional extreme learning machine. Applied Soft Computing Journal, 2019, 74, 603-620.	4.1	23
2345	Class imbalance learning using UnderBagging based kernelized extreme learning machine. Neurocomputing, 2019, 329, 172-187.	3.5	66
2346	Video-based emotion recognition in the wild. , 2019, , 369-386.		8
2347	Watermelon Ripeness Detection via Extreme Learning Machine with Kernel Principal Component Analysis Based on Acoustic Signals. International Journal of Pattern Recognition and Artificial Intelligence, 2019, 33, 1951002.	0.7	8
2348	Speech and music classification using spectrogram based statistical descriptors and extreme learning machine. Multimedia Tools and Applications, 2019, 78, 15141-15168.	2.6	15
2349	Network embedding based on deep extreme learning machine. International Journal of Machine Learning and Cybernetics, 2019, 10, 2709-2724.	2.3	5
2350	Cyber intrusion detection by combined feature selection algorithm. Journal of Information Security and Applications, 2019, 44, 80-88.	1.8	192
2351	Evaluation of E-nose data analyses for discrimination of tea plants with different damage types. Journal of Plant Diseases and Protection, 2019, 126, 29-38.	1.6	14
2352	Rough extreme learning machine: A new classification method based on uncertainty measure. Neurocomputing, 2019, 325, 269-282.	3.5	13
2353	Short-term wind speed prediction based on improved PSO algorithm optimized EM-ELM. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 26-46.	1.2	68
2354	Multisensor Composite Kernels Based on Extreme Learning Machines. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 196-200.	1.4	14
2355	Online Monitoring and Model-Free Adaptive Control of Weld Penetration in VPPAW Based on Extreme Learning Machine. IEEE Transactions on Industrial Informatics, 2019, 15, 2732-2740.	7.2	68

#	Article	IF	CITATIONS
2356	Extreme learning machine-based prediction of uptake of pharmaceuticals in reclaimed water-irrigated lettuces in the Region of Murcia, Spain. Biosystems Engineering, 2019, 177, 78-89.	1.9	15
2357	A Dynamic Analytics Method Based on Multistage Modeling for a BOF Steelmaking Process. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1097-1109.	3.4	38
2358	Novel Method Based on Variational Mode Decomposition and a Random Discriminative Projection Extreme Learning Machine for Multiple Power Quality Disturbance Recognition. IEEE Transactions on Industrial Informatics, 2019, 15, 2915-2926.	7.2	62
2359	An improved kernel-based incremental extreme learning machine with fixed budget for nonstationary time series prediction. Neural Computing and Applications, 2019, 31, 637-652.	3.2	11
2360	Emotion Classification Using Segmentation of Vowel-Like and Non-Vowel-Like Regions. IEEE Transactions on Affective Computing, 2019, 10, 360-373.	5.7	32
2361	Automatic Indic script identification from handwritten documents: page, block, line and word-level approach. International Journal of Machine Learning and Cybernetics, 2019, 10, 87-106.	2.3	27
2362	Content-Insensitive Blind Image Blurriness Assessment Using Weibull Statistics and Sparse Extreme Learning Machine. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 516-527.	5.9	8
2363	Fast and Accurate Classification of Time Series Data Using Extended ELM: Application in Fault Diagnosis of Air Handling Units. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1349-1356.	5.9	77
2364	Scalable scene understanding via saliency consensus. Soft Computing, 2019, 23, 2429-2443.	2.1	6
2365	Haptic recognition using hierarchical extreme learning machine with local-receptive-field. International Journal of Machine Learning and Cybernetics, 2019, 10, 541-547.	2.3	6
2366	Multi-criteria decision making based architecture selection for single-hidden layer feedforward neural networks. International Journal of Machine Learning and Cybernetics, 2019, 10, 655-666.	2.3	6
2367	Market impact analysis via deep learned architectures. Neural Computing and Applications, 2019, 31, 5989-6000.	3.2	12
2368	Health stages diagnostics of underwater thruster using sound features with imbalanced dataset. Neural Computing and Applications, 2019, 31, 5767-5782.	3.2	15
2369	Extreme Learning Machine-Based Deep Model for Human Activity Recognition With Wearable Sensors. Computing in Science and Engineering, 2019, 21, 16-25.	1.2	11
2370	ELM-Based Large-Scale Genetic Association Study via Statistically Significant Pattern. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2175-2188.	5.9	6
2371	Multi-view CSPMPR-ELM feature learning and classifying for RGB-D object recognition. Cluster Computing, 2019, 22, 8181-8191.	3.5	2
2372	Taste Recognition in E-Tongue Using Local Discriminant Preservation Projection. IEEE Transactions on Cybernetics, 2019, 49, 947-960.	6.2	37
2373	Artificial bee colony optimization-based weighted extreme learning machine for imbalanced data learning. Cluster Computing, 2019, 22, 6937-6952.	3.5	6

#	Article	IF	CITATIONS
2374	Fault diagnosis for oil-filled transformers using voting based extreme learning machine. Cluster Computing, 2019, 22, 8363-8370.	3.5	4
2375	Improving Image Classification Accuracy With ELM and CSIFT. Computing in Science and Engineering, 2019, 21, 26-34.	1.2	14
2376	Tensor extreme learning design via generalized Moore–Penrose inverse and triangular type-2 fuzzy sets. Neural Computing and Applications, 2019, 31, 5641-5651.	3.2	17
2377	Kernel Regularized Nonlinear Dictionary Learning for Sparse Coding. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 766-775.	5.9	20
2378	Word Level Multi-Script Identification Using Curvelet Transform in Log-Polar Domain. IETE Journal of Research, 2019, 65, 410-432.	1.8	9
2379	An efficient soft demapper for APSK signals using extreme learning machine. Neural Computing and Applications, 2019, 31, 5715-5727.	3.2	6
2380	Spatial extreme learning machines: An application on prediction of disease counts. Statistical Methods in Medical Research, 2019, 28, 2583-2594.	0.7	5
2381	Fast discrete s-transform and extreme learning machine based approach to islanding detection in grid-connected distributed generation. Energy Systems, 2019, 10, 757-789.	1.8	29
2382	Chlorine Soft Sensor Based on Extreme Learning Machine for Water Quality Monitoring. Arabian Journal for Science and Engineering, 2019, 44, 2033-2044.	1.7	21
2383	Domain Space Transfer Extreme Learning Machine for Domain Adaptation. IEEE Transactions on Cybernetics, 2019, 49, 1909-1922.	6.2	80
2384	Kernel extreme learning machine based on fuzzy set theory for multi-label classification. International Journal of Machine Learning and Cybernetics, 2019, 10, 979-989.	2.3	19
2385	Online big data-driven oil consumption forecasting with Google trends. International Journal of Forecasting, 2019, 35, 213-223.	3.9	165
2386	Cross-Domain Extreme Learning Machines for Domain Adaptation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1194-1207.	5.9	34
2387	Highly Accurate and Efficient Data-Driven Methods for Genotype Imputation. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 16, 1107-1116.	1.9	6
2388	Extreme learning machine model for water network management. Neural Computing and Applications, 2019, 31, 157-169.	3.2	99
2389	Abnormal Odor Detection in Electronic Nose via Self-Expression Inspired Extreme Learning Machine. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1922-1932.	5.9	28
2390	Dimensional Affect Recognition from HRV: An Approach Based on Supervised SOM and ELM. IEEE Transactions on Affective Computing, 2020, 11, 32-44.	5.7	8
2391	Applying Exponential Family Distribution to Generalized Extreme Learning Machine. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1794-1804.	5.9	4

#	Article	IF	CITATIONS
2392	Detecting Seam-Carved Image by Extreme Learning Machines Using Patch Analysis Method, Jury Voting, and Combinatorial Fusion. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1850-1864.	5.9	4
2393	A hybridized ELM-Jaya forecasting model for currency exchange prediction. Journal of King Saud University - Computer and Information Sciences, 2020, 32, 345-366.	2.7	30
2394	EEG classification using sparse Bayesian extreme learning machine for brain–computer interface. Neural Computing and Applications, 2020, 32, 6601-6609.	3.2	106
2395	RGB-D object recognition based on the joint deep random kernel convolution and ELM. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 4337-4346.	3.3	2
2396	Wind power ramp event detection with a hybrid neuro-evolutionary approach. Neural Computing and Applications, 2020, 32, 391-402.	3.2	10
2397	High-Performance Visual Tracking With Extreme Learning Machine Framework. IEEE Transactions on Cybernetics, 2020, 50, 2781-2792.	6.2	31
2398	Automated Diagnosis of Pathological Brain Using Fast Curvelet Entropy Features. IEEE Transactions on Sustainable Computing, 2020, 5, 416-427.	2.2	16
2399	Blind Noisy Image Quality Assessment Using Sub-Band Kurtosis. IEEE Transactions on Cybernetics, 2020, 50, 1146-1156.	6.2	26
2400	Toward cognitive support for automated defect detection. Neural Computing and Applications, 2020, 32, 4325-4333.	3.2	8
2401	Feedback-based metric learning for activity recognition. Expert Systems With Applications, 2020, 162, 112209.	4.4	3
2402	Convolution neural network joint with mixture of extreme learning machines for feature extraction and classification of accident images. Journal of Real-Time Image Processing, 2020, 17, 1051-1066.	2.2	35
2403	An Efficient Texture Descriptor for the Detection of License Plates From Vehicle Images in Difficult Conditions. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 553-564.	4.7	30
2404	Deep extreme learning machine with leaky rectified linear unit for multiclass classification of pathological brain images. Multimedia Tools and Applications, 2020, 79, 15381-15396.	2.6	29
2405	Analyze Facial Expression Recognition Based on Curvelet Transform via Extreme Learning Machine. Advances in Intelligent Systems and Computing, 2020, , 148-158.	0.5	2
2406	Deep Wavelet Extreme Learning Machine for Data Classification. Advances in Intelligent Systems and Computing, 2020, , 105-113.	0.5	2
2407	Deep Neural Networks with Extreme Learning Machine for Seismic Data Compression. Arabian Journal for Science and Engineering, 2020, 45, 1367-1377.	1.7	28
2408	An uncertainty based incremental learning for identifying the severity of bug report. International Journal of Machine Learning and Cybernetics, 2020, 11, 123-136.	2.3	6
2409	MCK-ELM: multiple composite kernel extreme learning machine for hyperspectral images. Neural Computing and Applications, 2020, 32, 6809-6819.	3.2	11

#	Article	IF	CITATIONS
2410	Density-based semi-supervised online sequential extreme learning machine. Neural Computing and Applications, 2020, 32, 7747-7758.	3.2	5
2411	Robust Online Multilabel Learning Under Dynamic Changes in Data Distribution With Labels. IEEE Transactions on Cybernetics, 2020, 50, 374-385.	6.2	19
2412	Genetic and deep learning clusters based on neural networks for management decision structures. Neural Computing and Applications, 2020, 32, 4187-4211.	3.2	12
2413	Approximate empirical kernel map-based iterative extreme learning machine for clustering. Neural Computing and Applications, 2020, 32, 8031-8046.	3.2	1
2414	Twin minimax probability extreme learning machine for pattern recognition. Knowledge-Based Systems, 2020, 187, 104806.	4.0	15
2415	Extreme learning machine with autoencoding receptive fields for image classification. Neural Computing and Applications, 2020, 32, 8157-8173.	3.2	6
2416	A robust multilayer extreme learning machine using kernel risk-sensitive loss criterion. International Journal of Machine Learning and Cybernetics, 2020, 11, 197-216.	2.3	21
2417	Inverse partitioned matrix-based semi-random incremental ELM for regression. Neural Computing and Applications, 2020, 32, 14263-14274.	3.2	O
2418	A Novel Concept Drift Detection Method for Incremental Learning in Nonstationary Environments. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 309-320.	7.2	53
2419	Learning Representations With Local and Global Geometries Preserved for Machine Fault Diagnosis. IEEE Transactions on Industrial Electronics, 2020, 67, 2360-2370.	5.2	31
2420	Neural network algorithm based on Legendre improved extreme learning machine for solving elliptic partial differential equations. Soft Computing, 2020, 24, 1083-1096.	2.1	35
2421	Correlation maximization machine for multi-modalities multiclass classification. Pattern Analysis and Applications, 2020, 23, 349-358.	3.1	1
2422	Object tracking with collaborative extreme learning machines. Multimedia Tools and Applications, 2020, 79, 4965-4988.	2.6	0
2423	Online separation of handwriting from freehand drawing using extreme learning machines. Multimedia Tools and Applications, 2020, 79, 4463-4481.	2.6	10
2424	Multilayer probability extreme learning machine for device-free localization. Neurocomputing, 2020, 396, 383-393.	3.5	32
2425	Predicting the concentration of indoor culturable fungi using a kernel-based extreme learning machine (K-ELM). International Journal of Environmental Health Research, 2020, 30, 344-356.	1.3	1
2426	Stacking-Based Deep Neural Network: Deep Analytic Network for Pattern Classification. IEEE Transactions on Cybernetics, 2020, 50, 5021-5034.	6.2	24
2427	Adaptive Online Learning With Regularized Kernel for One-Class Classification. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, , 1-16.	5.9	10

#	Article	IF	CITATIONS
2428	Data-Driven Multiobjective Optimization for Burden Surface in Blast Furnace With Feedback Compensation. IEEE Transactions on Industrial Informatics, 2020, 16, 2233-2244.	7.2	51
2429	A genetic-ELM neural network computational method for diagnosis of the Parkinson disease gait dataset. International Journal of Computer Mathematics, 2020, 97, 1087-1099.	1.0	3
2430	Data Mining-Based Intelligent Decision Support Systems. Intelligent Systems Reference Library, 2020, , 103-258.	1.0	2
2431	A hybrid structure of an extreme learning machine combined with feature selection, signal decomposition and parameter optimization for short-term wind speed forecasting. Transactions of the Institute of Measurement and Control, 2020, 42, 3-21.	1.1	15
2432	Real-Time Recurrent Tactile Recognition: Momentum Batch-Sequential Echo State Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1350-1361.	5.9	2
2433	Short-term electricity price forecasting and classification in smart grids using optimized multikernel extreme learning machine. Neural Computing and Applications, 2020, 32, 1457-1480.	3.2	29
2434	More accurate prediction of the complex velocity field in sewers based on uncertainty analysis using extreme learning machine technique. ISH Journal of Hydraulic Engineering, 2020, 26, 409-420.	1.1	5
2435	Fuzzy Broad Learning System: A Novel Neuro-Fuzzy Model for Regression and Classification. IEEE Transactions on Cybernetics, 2020, 50, 414-424.	6.2	245
2436	Classification Methods Applied to Credit Scoring With Collateral. IEEE Systems Journal, 2020, 14, 4557-4566.	2.9	4
2437	Novel direct remaining useful life estimation of aero-engines with randomly assigned hidden nodes. Neural Computing and Applications, 2020, 32, 14347-14358.	3.2	6
2438	Combination of sensitivity and uncertainty analyses for sediment transport modeling in sewer pipes. International Journal of Sediment Research, 2020, 35, 157-170.	1.8	47
2439	Outlier Robust Extreme Machine Learning for multi-target regression. Expert Systems With Applications, 2020, 140, 112877.	4.4	25
2440	Ensemble extreme learning machines for compound-fault diagnosis of rotating machinery. Knowledge-Based Systems, 2020, 188, 105012.	4.0	55
2441	Carbon price forecasting with complex network and extreme learning machine. Physica A: Statistical Mechanics and Its Applications, 2020, 545, 122830.	1.2	54
2442	Epileptic Signal Classification With Deep EEG Features by Stacked CNNs. IEEE Transactions on Cognitive and Developmental Systems, 2020, 12, 709-722.	2.6	57
2443	Modeling M(3000)F2 based on extreme learning machine. Advances in Space Research, 2020, 65, 107-114.	1.2	4
2444	An intelligent healthcare system with data priority based on multi vital biosignals. Computer Methods and Programs in Biomedicine, 2020, 185, 105126.	2.6	11
2445	Metric learning-based kernel transformer with triplets and label constraints for feature fusion. Pattern Recognition, 2020, 99, 107086.	5.1	16

#	Article	IF	CITATIONS
2446	A multi-scale method for forecasting oil price with multi-factor search engine data. Applied Energy, 2020, 257, 114033.	5.1	46
2447	Comparison of extreme learning machine models for gasoline octane number forecasting by near-infrared spectra analysis. Optik, 2020, 200, 163325.	1.4	18
2448	Application of artificial neural networks to predict flow velocity in a 180° sharp bend with and without a spur dike. Soft Computing, 2020, 24, 8805-8821.	2.1	11
2449	Recent trends in deep learning based personality detection. Artificial Intelligence Review, 2020, 53, 2313-2339.	9.7	160
2450	Efficient multi-population outpost fruit fly-driven optimizers: Framework and advances in support vector machines. Expert Systems With Applications, 2020, 142, 112999.	4.4	84
2451	Regularized correntropy criterion based semi-supervised ELM. Neural Networks, 2020, 122, 117-129.	3.3	27
2452	A Maximally Split and Relaxed ADMM for Regularized Extreme Learning Machines. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1899-1913.	7.2	22
2453	Deep motion templates and extreme learning machine for sign language recognition. Visual Computer, 2020, 36, 1233-1246.	2.5	40
2454	PR-KELM: Icing level prediction for transmission lines in smart grid. Future Generation Computer Systems, 2020, 102, 75-83.	4.9	13
2455	Restricted-Boltzmann-Based Extreme Learning Machine for Gas Path Fault Diagnosis of Turbofan Engine. IEEE Transactions on Industrial Informatics, 2020, 16, 959-968.	7.2	21
2457	An Optimized Data Distribution Model for ElasticChain to Support Blockchain Scalable Storage. Proceedings in Adaptation, Learning and Optimization, 2020, , 76-85.	1.5	2
2458	An Adaptive Bilevel Programming Model for Nonparametric Prediction Intervals of Wind Power Generation. IEEE Transactions on Power Systems, 2020, 35, 424-439.	4.6	55
2459	ELM-NET, a closer to practice approach for classifying the big data using multiple independent ELMs. Cluster Computing, 2020, 23, 735-757.	3.5	3
2460	Improving the prediction accuracy of soil nutrient classification by optimizing extreme learning machine parameters. Information Processing in Agriculture, 2020, 7, 72-82.	2.9	72
2461	Cyber-physical cooperative response strategy for consensus-based hierarchical control in micro-grid facing with communication interruption. International Journal of Electrical Power and Energy Systems, 2020, 114, 105405.	3.3	11
2462	SMOTE based class-specific extreme learning machine for imbalanced learning. Knowledge-Based Systems, 2020, 187, 104814.	4.0	72
2463	KA-Ensemble: towards imbalanced image classification ensembling under-sampling and over-sampling. Multimedia Tools and Applications, 2020, 79, 14871-14888.	2.6	10
2464	Evolutionary model construction for electricity consumption prediction. Neural Computing and Applications, 2020, 32, 12155-12172.	3.2	4

#	Article	IF	CITATIONS
2465	Object affordance detection with relationship-aware network. Neural Computing and Applications, 2020, 32, 14321-14333.	3.2	18
2466	Fault diagnosis of rotating machinery with ensemble kernel extreme learning machine based on fused multi-domain features. ISA Transactions, 2020, 98, 320-337.	3.1	73
2467	An experimental evaluation of extreme learning machines on several hardware devices. Neural Computing and Applications, 2020, 32, 14385-14397.	3.2	2
2468	Personalized broad learning system for facial expression. Multimedia Tools and Applications, 2020, 79, 16627-16644.	2.6	6
2469	EPF: A General Framework for Supporting Continuous Top-k Queries Over Streaming Data. Cognitive Computation, 2020, 12, 176-194.	3.6	2
2470	Using a kernel extreme learning machine with grey wolf optimization to predict the displacement of step-like landslide. Bulletin of Engineering Geology and the Environment, 2020, 79, 673-685.	1.6	42
2471	Color difference classification of solid color printing and dyeing products based on optimization of the extreme learning machine of the improved whale optimization algorithm. Textile Reseach Journal, 2020, 90, 135-155.	1.1	27
2472	Classifying imbalanced data using BalanceCascade-based kernelized extreme learning machine. Pattern Analysis and Applications, 2020, 23, 1157-1182.	3.1	12
2473	Infinite Lattice Learner: an ensemble for incremental learning. Soft Computing, 2020, 24, 6957-6974.	2.1	0
2474	A new quantitative non-destructive testing approach of broken wires for steel wire rope. International Journal of Applied Electromagnetics and Mechanics, 2020, 62, 415-431.	0.3	7
2475	An enhanced Bacterial Foraging Optimization and its application for training kernel extreme learning machine. Applied Soft Computing Journal, 2020, 86, 105884.	4.1	211
2476	Extreme semi-supervised learning for multiclass classification. Neurocomputing, 2020, 376, 103-118.	3.5	7
2477	Channel Equalization and Detection With ELM-Based Regressors for OFDM Systems. IEEE Communications Letters, 2020, 24, 86-89.	2.5	24
2478	A hybrid modeling method for interval time prediction of the intermittent pumping well based on IBSO-KELM. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107214.	2.5	18
2479	Quantitative Determination of the Fiber Components in Textiles by Near-Infrared Spectroscopy and Extreme Learning Machine. Analytical Letters, 2020, 53, 844-857.	1.0	7
2480	A Data-Driven Method for IGBT Open-Circuit Fault Diagnosis Based on Hybrid Ensemble Learning and Sliding-Window Classification. IEEE Transactions on Industrial Informatics, 2020, 16, 5223-5233.	7.2	51
2481	Performance Prediction Using High-Order Differential Mathematical Morphology Gradient Spectrum Entropy and Extreme Learning Machine. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4165-4172.	2.4	147
2482	Bibliometric analysis of support vector machines research trend: a case study in China. International Journal of Machine Learning and Cybernetics, 2020, 11, 715-728.	2.3	66

#	Article	IF	CITATIONS
2483	A Stacked Autoencoder With Sparse Bayesian Regression for End-Point Prediction Problems in Steelmaking Process. IEEE Transactions on Automation Science and Engineering, 2020, 17, 550-561.	3.4	25
2484	Automatic Power Quality Events Recognition Using Modes Decomposition Based Online P-Norm Adaptive Extreme Learning Machine. IEEE Transactions on Industrial Informatics, 2020, 16, 4355-4364.	7.2	13
2485	Fuzzy granularity neighborhood extreme clustering. Neurocomputing, 2020, 379, 236-249.	3.5	4
2486	Implementation of an efficient extreme learning machine for node localization in unmanned aerial vehicle assisted wireless sensor networks. International Journal of Communication Systems, 2020, 33, e4173.	1.6	12
2487	An expert system for predicting the velocity field in narrow open channel flows using self-adaptive extreme learning machines. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107202.	2.5	16
2488	An automatic estimation of the ridge parameter for extreme learning machine. Chaos, 2020, 30, 013106.	1.0	3
2489	Detecting Gas Turbine Combustor Anomalies Using Semi-supervised Anomaly Detection with Deep Representation Learning. Cognitive Computation, 2020, 12, 398-411.	3.6	26
2490	Kernel extreme learning machine with iterative picking scheme for failure diagnosis of a turbofan engine. Aerospace Science and Technology, 2020, 96, 105539.	2.5	23
2491	Drift Compensation for an Electronic Nose by Adaptive Subspace Learning. IEEE Sensors Journal, 2020, 20, 337-347.	2.4	26
2492	Developing a New Computational Intelligence Approach for Approximating the Blast-Induced Ground Vibration. Applied Sciences (Switzerland), 2020, 10, 434.	1.3	18
2493	Forecasting crude oil price with multilingual search engine data. Physica A: Statistical Mechanics and Its Applications, 2020, 551, 124178.	1.2	12
2494	Improving tropospheric corrections on large-scale Sentinel-1 interferograms using a machine learning approach for integration with GNSS-derived zenith total delay (ZTD). Remote Sensing of Environment, 2020, 239, 111608.	4.6	26
2495	A composite framework coupling multiple feature selection, compound prediction models and novel hybrid swarm optimizer-based synchronization optimization strategy for multi-step ahead short-term wind speed forecasting. Energy Conversion and Management, 2020, 205, 112461.	4.4	99
2496	A novel method of motor imagery classification using eeg signal. Artificial Intelligence in Medicine, 2020, 103, 101787.	3.8	42
2497	Faster Single Model Vigilance Detection Based on Deep Learning. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 621-630.	2.6	6
2498	G-mean based extreme learning machine for imbalance learning. , 2020, 98, 102637.		26
2499	Deep nonsmooth nonnegative matrix factorization network with semi-supervised learning for SAR image change detection. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 160, 167-179.	4.9	37
2500	Ensemble of extreme learning machines for multivariate calibration of near-infrared spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 229, 117982.	2.0	37

#	Article	IF	CITATIONS
2501	Water quality monitoring at a virtual watershed monitoring station using a modified deep extreme learning machine. Hydrological Sciences Journal, 2020, 65, 415-426.	1.2	6
2502	Retraining Strategy-Based Domain Adaption Network for Intelligent Fault Diagnosis. IEEE Transactions on Industrial Informatics, 2020, 16, 6163-6171.	7.2	64
2503	Unsupervised feature selection based extreme learning machine for clustering. Neurocomputing, 2020, 386, 198-207.	3.5	48
2504	Online reduced gaussian process regression based generalized likelihood ratio test for fault detection. Journal of Process Control, 2020, 85, 30-40.	1.7	23
2505	Urban acoustic classification based on deep feature transfer learning. Journal of the Franklin Institute, 2020, 357, 667-686.	1.9	13
2506	Event Identification by F-ELM Model for \$varphi\$ -OTDR Fiber-Optic Distributed Disturbance Sensor. IEEE Sensors Journal, 2020, 20, 1297-1305.	2.4	20
2507	Credit score classification using spiking extreme learning machine. Computational Intelligence, 2020, 36, 402-426.	2.1	23
2508	Fault location estimation for series-compensated double-circuit transmission line using EWT and weighted RVFLN. Engineering Applications of Artificial Intelligence, 2020, 88, 103336.	4.3	17
2509	Homo-ELM: fully homomorphic extreme learning machine. International Journal of Machine Learning and Cybernetics, 2020, 11, 1531-1540.	2.3	7
2510	Unsupervised feature learning with sparse Bayesian auto-encoding based extreme learning machine. International Journal of Machine Learning and Cybernetics, 2020, 11, 1557-1569.	2.3	5
2511	View-based weight network for 3D object recognition. Image and Vision Computing, 2020, 93, 103828.	2.7	13
2512	Logistic regression paradigm for training a single-hidden layer feedforward neural network. Application to gene expression datasets for cancer research. Journal of Biomedical Informatics, 2020, 102, 103373.	2.5	18
2513	A Virtual Machine Consolidation Algorithm Based on Ant Colony System and Extreme Learning Machine for Cloud Data Center. IEEE Access, 2020, 8, 53-67.	2.6	31
2514	Laplacian least learning machine with dynamic updating for imbalanced classification. Applied Soft Computing Journal, 2020, 88, 106028.	4.1	5
2515	Design of Hybrid Artificial Bee Colony Algorithm and Semi-Supervised Extreme Learning Machine for PV Fault Diagnoses by Considering Dust Impact. IEEE Transactions on Power Electronics, 2020, 35, 7086-7099.	5.4	50
2516	A novel ECG signal classification method using DEA-ELM. Medical Hypotheses, 2020, 136, 109515.	0.8	34
2517	Microgrid protection using iterative filtering. International Transactions on Electrical Energy Systems, 2020, 30, e12207.	1.2	2
2518	The Online Soft Computing Models of key variables based on the Boundary Forest method. Soft Computing, 2020, 24, 10815-10828.	2.1	0

#	Article	IF	CITATIONS
2519	Power Quality Events Recognition Using S-Transform and Wild Goat Optimization-Based Extreme Learning Machine. Arabian Journal for Science and Engineering, 2020, 45, 1855-1870.	1.7	11
2520	Extreme learning machine for a new hybrid morphological/linear perceptron. Neural Networks, 2020, 123, 288-298.	3.3	26
2521	Segmented analysis of time-of-flight diffraction ultrasound for flaw detection in welded steel plates using extreme learning machines. Ultrasonics, 2020, 102, 106057.	2.1	21
2522	An efficient error-minimized random vector functional link network for epileptic seizure classification using VMD. Biomedical Signal Processing and Control, 2020, 57, 101787.	3 <b>.</b> 5	37
2523	Data-Driven Robust Coordination of Generation and Demand-Side in Photovoltaic Integrated All-Electric Ship Microgrids. IEEE Transactions on Power Systems, 2020, 35, 1783-1795.	4.6	62
2524	Cross-task extreme learning machine for breast cancer image classification with deep convolutional features. Biomedical Signal Processing and Control, 2020, 57, 101789.	<b>3.</b> 5	40
2525	A Robust Active Safety Enhancement Strategy With Learning Mechanism in Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 5160-5176.	4.7	10
2526	A semi-supervised Laplacian extreme learning machine and feature fusion with CNN for industrial superheat identification. Neurocomputing, 2020, 381, 186-195.	3 <b>.</b> 5	42
2527	Unsupervised feature selection algorithm for multiclass cancer classification of gene expression RNA-Seq data. Genomics, 2020, 112, 1916-1925.	1.3	39
2528	Seasonal forecasting of daily mean air temperatures using a coupled global climate model and machine learning algorithm for field-scale agricultural management. Agricultural and Forest Meteorology, 2020, 281, 107858.	1.9	26
2529	Adaptive Neural Output Feedback Compensation Control for Intermittent Actuator Faults Using Command-Filtered Backstepping. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3497-3511.	7.2	18
2530	Bayesian filtering for building occupancy estimation from carbon dioxide concentration. Energy and Buildings, 2020, 206, 109566.	3.1	24
2531	Meta-cognitive recurrent kernel online sequential extreme learning machine with kernel adaptive filter for concept drift handling. Engineering Applications of Artificial Intelligence, 2020, 88, 103327.	4.3	19
2532	Intelligent Fault Diagnosis via Semisupervised Generative Adversarial Nets and Wavelet Transform. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4659-4671.	2.4	67
2533	Numerical solution of several kinds of differential equations using block neural network method with improved extreme learning machine algorithm. Journal of Intelligent and Fuzzy Systems, 2020, 38, 3445-3461.	0.8	11
2534	ELM embedded discriminative dictionary learning for image classification. Neural Networks, 2020, 123, 331-342.	3.3	19
2535	Extreme Learning Machines on Cayley-Dickson Algebra Applied for Color Image Auto-Encoding. , 2020, , .		2
2536	Feature Bagging and Extreme Learning Machines: Machine Learning with Severe Memory Constraints. , 2020, , .		6

#	Article	IF	CITATIONS
2537	Neural-Based Ensembles and Unorganized Machines to Predict Streamflow Series from Hydroelectric Plants. Energies, 2020, 13, 4769.	1.6	26
2538	Prediction of Leaf Wetness Duration Using Geostationary Satellite Observations and Machine Learning Algorithms. Remote Sensing, 2020, 12, 3076.	1.8	7
2539	Correntropy induced loss based sparse robust graph regularized extreme learning machine for cancer classification. BMC Bioinformatics, 2020, 21, 445.	1.2	8
2540	A comprehensive comparison of residue-level methylation levels with the regression-based gene-level methylation estimations by ReGear. Briefings in Bioinformatics, 2021, 22, .	3.2	3
2541	A Novel Deep Belief Network and Extreme Learning Machine Based Performance Degradation Prediction Method for Proton Exchange Membrane Fuel Cell. IEEE Access, 2020, 8, 176661-176675.	2.6	23
2542	A Review on Driver Distraction Detection Methods. , 2020, , .		1
2543	The capacity estimation and cycle life prediction of lithium-ion batteries using a new broad extreme learning machine approach. Journal of Power Sources, 2020, 476, 228581.	4.0	96
2544	A Sensorless Adaptive Optics Control System for Microscopy Based on Extreme Learning Machine. , 2020, , .		0
2545	Adaptive Initialization for Recurrent Photonic Networks using Sigmoidal Activations. , 2020, , .		3
2546	Kernel Extreme Learning Machine: An Efficient Model for Estimating Daily Dew Point Temperature Using Weather Data. Water (Switzerland), 2020, 12, 2600.	1.2	15
2547	Hyperspectral Image Classification Using Comprehensive Evaluation Model of Extreme Learning Machine Based on Cumulative Variation Weights. IEEE Access, 2020, 8, 187991-188003.	2.6	2
2548	Short-term streamflow time series prediction model by machine learning tool based on data preprocessing technique and swarm intelligence algorithm. Hydrological Sciences Journal, 2020, 65, 2590-2603.	1.2	16
2549	A joint optimization framework to semi-supervised RVFL and ELM networks for efficient data classification. Applied Soft Computing Journal, 2020, 97, 106756.	4.1	30
2550	L2,1-Extreme Learning Machine: An Efficient Robust Classifier for Tumor Classification. Computational Biology and Chemistry, 2020, 89, 107368.	1.1	9
2551	Evolutionary Extreme Learning Machine with novel activation function for credit scoring. Engineering Applications of Artificial Intelligence, 2020, 96, 103980.	4.3	37
2552	Projective parameter transfer based sparse multiple empirical kernel learning Machine for diagnosis of brain disease. Neurocomputing, 2020, 413, 271-283.	3.5	45
2553	Rapid Determination of Wood and Rice Husk Pellets' Proximate Analysis and Heating Value. Energies, 2020, 13, 3741.	1.6	8
2554	Early determination of mildew status in storage maize kernels using hyperspectral imaging combined with the stacked sparse auto-encoder algorithm. Infrared Physics and Technology, 2020, 109, 103412.	1.3	23

#	Article	IF	CITATIONS
2555	An Active Learning Methodology for Efficient Estimation of Expensive Noisy Black-Box Functions Using Gaussian Process Regression. IEEE Access, 2020, 8, 111460-111474.	2.6	8
2556	Visual-Acoustic Penetration Recognition in Variable Polarity Plasma Arc Welding Process Using Hybrid Deep Learning Approach. IEEE Access, 2020, 8, 120417-120428.	2.6	29
2557	Power load forecasting in energy system based on improved extreme learning machine. Energy Exploration and Exploitation, 2020, 38, 1194-1211.	1.1	10
2558	Extreme learning machine with coefficient weighting and trained local receptive fields for image classification. Multimedia Tools and Applications, 2020, 79, 26389-26410.	2.6	0
2559	Performance Evaluation of Training Algorithms in Backpropagation Neural Network Approach to Blast-Induced Ground Vibration Prediction. Journal of Applied Science and Technology, 2020, 20, 20-33.	0.3	23
2560	A rolling horizon scheduling of aggregated electric vehicles charging under the electricity exchange market. Applied Energy, 2020, 275, 115406.	5.1	30
2561	Breast tumor detection and classification based on density. Multimedia Tools and Applications, 2020, 79, 26467-26487.	2.6	21
2562	Extreme Learning Machine-Based Ensemble Transfer Learning for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 3892-3902.	2.3	26
2563	Multi-class motor imagery EEG classification using collaborative representation-based semi-supervised extreme learning machine. Medical and Biological Engineering and Computing, 2020, 58, 2119-2130.	1.6	14
2564	Prediction, monitoring, and interpretation of dam leakage flow via adaptative kernel extreme learning machine. Measurement: Journal of the International Measurement Confederation, 2020, 166, 108161.	2.5	52
2565	Fast Deep Stacked Networks based on Extreme Learning Machine applied to regression problems. Neural Networks, 2020, 131, 14-28.	3.3	14
2566	A derived least square fast learning network model. Applied Intelligence, 2020, 50, 4176-4194.	3.3	2
2567	Machine Learning for Prediction of Energy in Wheat Production. Agriculture (Switzerland), 2020, 10, 517.	1.4	22
2568	Title Fault Diagnosis Method of Gearbox Multifeature Fusion Based on Quadratic Filter and QPSO-KELM. Mathematical Problems in Engineering, 2020, 2020, 1-18.	0.6	4
2569	An improved hybrid modeling method based on extreme learning machine for gas turbine engine. Aerospace Science and Technology, 2020, 107, 106333.	2.5	35
2570	Extracting Natech Reports from Large Databases: Development of a Semi-Intelligent Natech Identification Framework. International Journal of Disaster Risk Science, 2020, 11, 735-750.	1.3	13
2571	Classification of the Complex Agricultural Planting Structure with a Semi-Supervised Extreme Learning Machine Framework. Remote Sensing, 2020, 12, 3708.	1.8	16
2572	Anomaly-based network intrusion detection with ensemble classifiers and meta-heuristic scale (ECMHS) in traffic flow streams. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 9241-9268.	3.3	9

#	Article	IF	CITATIONS
2573	Software Defect Prediction Based on Fuzzy Weighted Extreme Learning Machine with Relative Density Information. Scientific Programming, 2020, 2020, 1-18.	0.5	6
2574	Applications and theoretical perspectives of artificial intelligence in the rate of penetration. Petroleum, 2022, 8, 237-251.	1.3	4
2575	Bayesian Model Averaging: A Unique Model Enhancing Forecasting Accuracy for Daily Streamflow Based on Different Antecedent Time Series. Sustainability, 2020, 12, 9720.	1.6	13
2576	Machine learning to inform tunnelling operations: recent advances and future trends. Proceedings of the Institution of Civil Engineers - Smart Infrastructure and Construction, 2020, 173, 74-95.	1.1	23
2577	An Evaluation of Eight Machine Learning Regression Algorithms for Forest Aboveground Biomass Estimation from Multiple Satellite Data Products. Remote Sensing, 2020, 12, 4015.	1.8	58
2578	A conformal prediction inspired approach for distribution regression with random Fourier features. Applied Soft Computing Journal, 2020, 97, 106807.	4.1	2
2579	A hybrid prediction model for residential electricity consumption using holt-winters and extreme learning machine. Applied Energy, 2020, 275, 115383.	5.1	74
2580	Fragile watermarking for image authentication using BRINT and ELM. Multimedia Tools and Applications, 2020, 79, 29199-29223.	2.6	7
2581	SwiftIDS: Real-time intrusion detection system based on LightGBM and parallel intrusion detection mechanism. Computers and Security, 2020, 97, 101984.	4.0	101
2582	Robust extreme learning machine for modeling with unknown noise. Journal of the Franklin Institute, 2020, 357, 9885-9908.	1.9	24
2583	High-Dimensional Neural Feature Using Rectified Linear Unit And Random Matrix Instance. , 2020, , .		1
2584	Monthly runoff forecasting via an improved extreme learning machine. IOP Conference Series: Materials Science and Engineering, 2020, 794, 012017.	0.3	0
2585	Algorithms and methods of image classification for automated medical systems. IOP Conference Series: Materials Science and Engineering, 2020, 862, 052067.	0.3	0
2586	Optimal Kernel ELM and Variational Mode Decomposition for Probabilistic PV Power Prediction. Energies, 2020, 13, 3592.	1.6	21
2587	Computer-Aided Diagnosis Based on Extreme Learning Machine: A Review. IEEE Access, 2020, 8, 141657-141673.	2.6	11
2588	Extreme learning machine neural networks for adult skeletal age-at-death estimation., 2020,, 209-225.		1
2589	A method from offline analysis to online training for the brain-computer interface based on motor imagery and speech imagery. Biomedical Signal Processing and Control, 2020, 62, 102100.	3.5	11
2590	A resource conscious human action recognition framework using 26-layered deep convolutional neural network. Multimedia Tools and Applications, 2021, 80, 35827-35849.	2.6	58

#	Article	IF	CITATIONS
2591	Fuzzy ELM for classification based on feature space. Multimedia Tools and Applications, 2020, 79, 27439-27464.	2.6	2
2592	Image interpolation with adaptive <i>k</i> â€nearest neighbours search and random nonâ€linear regression. IET Image Processing, 2020, 14, 1539-1548.	1.4	9
2593	A new approach for data stream classification: unsupervised feature representational online sequential extreme learning machine. Multimedia Tools and Applications, 2020, 79, 27205-27227.	2.6	4
2594	Error-Tolerant Computation for Voting Classifiers With Multiple Classes. IEEE Transactions on Vehicular Technology, 2020, 69, 13718-13727.	3.9	7
2595	A Self-adaptive differential evolutionary extreme learning machine (SaDE-ELM): a novel approach to blast-induced ground vibration prediction. SN Applied Sciences, 2020, 2, 1.	1.5	14
2596	New Perspectives on the Use of Online Learning for Congestion Level Prediction over Traffic Data. , 2020, , .		4
2597	Prediction of Fatigue Crack Growth Behaviour in Ultrafine Grained Al 2014 Alloy Using Machine Learning. Metals, 2020, 10, 1349.	1.0	25
2598	A novel ensemble learning based on Bayesian Belief Network coupled with an extreme learning machine for flash flood susceptibility mapping. Engineering Applications of Artificial Intelligence, 2020, 96, 103971.	4.3	29
2599	L-measure evaluation metric for fake information detection models with binary class imbalance. Enterprise Information Systems, 2020, , 1-20.	3.3	0
2600	Hybrid wind power forecasting based on extreme learning machine and improved TLBO algorithm. Journal of Renewable and Sustainable Energy, 2020, 12, .	0.8	8
2601	Exploring the Correlation Between Random Convolutional Architectures and the Trained Equivalent. , 2020, , .		0
2602	Hybrid Gray-Scale and Fuzzy Morphological/Linear Perceptrons Trained By Extreme Learning Machine. , 2020, , .		O
2603	A probability-based core dandelion guided dandelion algorithm and application to traffic flow prediction. Engineering Applications of Artificial Intelligence, 2020, 96, 103922.	4.3	11
2604	Online Sequential Model for Multivariate Time Series Prediction With Adaptive Forgetting Factor. IEEE Access, 2020, 8, 175958-175971.	2.6	5
2605	Affine Transformation Based Hierarchical Extreme Learning Machine. , 2020, , .		0
2606	Classification-Aided Multitarget Tracking Using the Sum-Product Algorithm. IEEE Signal Processing Letters, 2020, 27, 1710-1714.	2.1	10
2607	Speech Enhancement Based on Denoising Autoencoder With Multi-Branched Encoders. IEEE/ACM Transactions on Audio Speech and Language Processing, 2020, 28, 2756-2769.	4.0	17
2608	Mixture Correntropy-Based Kernel Extreme Learning Machines. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 811-825.	7.2	21

#	Article	IF	CITATIONS
2609	WiFi indoor positioning based on regularized online sequence extreme learning machine. International Journal of Image and Data Fusion, 2020, 11, 268-286.	0.8	1
2610	Traffic Jam Prediction Based on Analysis of Residents Spatial Activities. , 2020, , .		1
2611	Enhancement of Neural Network Based Multi Agent System for Classification and Regression in Energy System. IEEE Access, 2020, 8, 163026-163043.	2.6	5
2612	Regional Principal Component Analysis Network With the Rolling Guidance Filter for Classifying the Hyperspectral Images. IEEE Access, 2020, 8, 148357-148369.	2.6	3
2613	Mixed-Noise Band Selection for Hyperspectral Images. IEEE Access, 2020, 8, 173815-173825.	2.6	0
2614	Enhanced Kernel-Based Multilayer Fuzzy Weighted Extreme Learning Machines. IEEE Access, 2020, 8, 166246-166260.	2.6	3
2615	Inverse-Free Incremental Learning Algorithms With Reduced Complexity for Regularized Extreme Learning Machine. IEEE Access, 2020, 8, 177318-177328.	2.6	3
2616	FPGA Implementation of WRVFLN for Classification. , 2020, , .		0
2617	A Machine Learning Method for the Detection of Brown Core in the Chinese Pear Variety Huangguan Using a MOS-Based E-Nose. Sensors, 2020, 20, 4499.	2.1	13
2618	Electrical impedance tomography image reconstruction based on backprojection and extreme learning machines. Research on Biomedical Engineering, 2020, 36, 399-410.	1.5	12
2619	Deep kernel learning approach to engine emissions modeling. Data-Centric Engineering, 2020, 1, .	1.2	13
2620	A Deep Cycle Limit Learning Machine Method for Urban Expressway Traffic Incident Detection. Mathematical Problems in Engineering, 2020, 2020, 1-11.	0.6	6
2621	Intelligent Calibration of a Heavy-Duty Mechanical Arm in Coal Mine. Electronics (Switzerland), 2020, 9, 1186.	1.8	3
2622	State-of-Health Estimation and Remaining-Useful-Life Prediction for Lithium-Ion Battery Using a Hybrid Data-Driven Method. IEEE Transactions on Vehicular Technology, 2020, 69, 10854-10867.	3.9	169
2623	An EEG Database and Its Initial Benchmark Emotion Classification Performance. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-14.	0.7	26
2624	Adaptive Decision Threshold-Based Extreme Learning Machine for Classifying Imbalanced Multi-label Data. Neural Processing Letters, 2020, 52, 2151-2173.	2.0	10
2625	A novel method for lake level prediction: deep echo state network. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	8
2626	Ultra-short-term Interval Prediction of Wind Farm Cluster Power Based on LASSO., 2020, , .		0

#	Article	IF	CITATIONS
2627	Adaptive Residual Weighted K-Nearest Neighbor Fingerprint Positioning Algorithm Based on Visible Light Communication. Sensors, 2020, 20, 4432.	2.1	17
2628	Inversion modeling of japonica rice canopy chlorophyll content with UAV hyperspectral remote sensing. PLoS ONE, 2020, 15, e0238530.	1.1	13
2629	DiscoStyle: Multi-level Logistic Ranking for Personalized Image Style Preference Inference. International Journal of Automation and Computing, 2020, 17, 637-651.	4.5	8
2630	Labanotation Generation From Motion Capture Data for Protection of Folk Dance. IEEE Access, 2020, 8, 154186-154197.	2.6	5
2631	Fisher-regularized supervised and semi-supervised extreme learning machine. Knowledge and Information Systems, 2020, 62, 3995-4027.	2.1	4
2632	Compound Fault Diagnosis of Gearbox Based on Wavelet Packet Transform and Sparse Representation Classification. , 2020, , .		3
2633	Rate of penetration modeling using hybridization extreme learning machine and whale optimization algorithm. Earth Science Informatics, 2020, 13, 1351-1368.	1.6	13
2634	Employing Machine Learning Algorithms for Streamflow Prediction: A Case Study of Four River Basins with Different Climatic Zones in the United States. Water Resources Management, 2020, 34, 4113-4131.	1.9	80
2635	Hierarchical One-Class Classifier With Within-Class Scatter-Based Autoencoders. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3770-3776.	7.2	17
2636	Modeling interfacial tension of methane-brine systems at high pressure and high salinity conditions. Journal of the Taiwan Institute of Chemical Engineers, 2020, 114, 125-141.	2.7	28
2637	One-dimension hierarchical local receptive fields based extreme learning machine for radar target HRRP recognition. Neurocomputing, 2020, 418, 314-325.	3.5	10
2638	Regression and Multiclass Classification Using Sparse Extreme Learning Machine via Smoothing Group <i>L</i> <sub>1/2</sub> Regularizer. IEEE Access, 2020, 8, 191482-191494.	2.6	19
2639	Learning Both Dynamic-Shared and Dynamic-Specific Patterns for Chaotic Time-Series Prediction. IEEE Transactions on Cybernetics, 2022, 52, 4115-4125.	6.2	5
2640	A Survey of Distributed and Parallel Extreme Learning Machine for Big Data. IEEE Access, 2020, 8, 201247-201258.	2.6	6
2641	Burning condition recognition of rotary kiln based on spatiotemporal features of flame video. Energy, 2020, 211, 118656.	<b>4.</b> 5	16
2642	An Obstacle Detection Method for USV by Fusing of Radar and Motion Stereo. , 2020, , .		1
2643	Phasmatodea population evolution algorithm and its application in length-changeable incremental extreme learning machine. , 2020, , .		26
2644	Hyperspectral Image Denoising and Classification Using Multi-Scale Weighted EMAPs and Extreme Learning Machine. Electronics (Switzerland), 2020, 9, 2137.	1.8	5

#	Article	IF	CITATIONS
2645	Copper Content Inversion of Copper Ore Based on Reflectance Spectra and the VTELM Algorithm. Sensors, 2020, 20, 6780.	2.1	5
2646	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. Spectroscopy Letters, 2020, 53, 685-691.	0.5	7
2647	A Novel Superheat Identification of Aluminum Electrolysis with Kernel Semi-supervised Extreme Learning Machine. Journal of Physics: Conference Series, 2020, 1631, 012005.	0.3	2
2648	An Effective Kernel Online Learning Algorithm with Sparse Update for Electronic Devices Condition Prediction. IOP Conference Series: Earth and Environmental Science, 2020, 440, 032047.	0.2	0
2649	Cyberattacks Detection in IoT-Based Smart City Applications Using Machine Learning Techniques. International Journal of Environmental Research and Public Health, 2020, 17, 9347.	1.2	75
2650	Writer verification based on simple graphemes and extreme learning machine approaches. Journal of Physics: Conference Series, 2020, 1671, 012004.	0.3	0
2651	Short-term wind power prediction based on nutrosophic clustering and GA-ELM. Journal of Physics: Conference Series, 2020, 1607, 012025.	0.3	2
2652	Multi-Type Classification Comparison of Mammogram Abnormalities. International Journal of Image and Graphics, 2020, , 2150027.	1.2	1
2653	Model-Driven Architecture of Extreme Learning Machine to Extract Power Flow Features. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4680-4690.	7.2	5
2654	A novel and efficient approach for the classification of skin melanoma. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 10435-10459.	3.3	7
2655	Group reduced kernel extreme learning machine for fault diagnosis of aircraft engine. Engineering Applications of Artificial Intelligence, 2020, 96, 103968.	4.3	29
2656	A Hybrid Model for Financial Time Series Forecastingâ€"Integration of EWT, ARIMA With The Improved ABC Optimized ELM. IEEE Access, 2020, 8, 84501-84518.	2.6	45
2657	A new 3D segmentation approach using extreme learning machine algorithm and morphological operations. Computers and Electrical Engineering, 2020, 84, 106638.	3.0	1
2658	Improving the Robustness of Threshold-Based Single Hidden Layer Neural Networks via Regularization. , 2020, , .		3
2659	Sunspot behavior forecast using neural networks approaches. , 2020, , .		0
2660	A Stochastic Attention CNN Model for Rumor Stance Classification. IEEE Access, 2020, 8, 80771-80778.	2.6	9
2661	Monte Carlo Simulations of Au <sub>38</sub> (SCH <sub>3</sub> ) <sub>24</sub> Nanocluster Using Distance-Based Machine Learning Methods. Journal of Physical Chemistry A, 2020, 124, 4827-4836.	1.1	33
2662	A Novel Approach of Face Recognition Using Optimized Adaptive Illumination–Normalization and KELM. Arabian Journal for Science and Engineering, 2020, 45, 9977-9996.	1.7	11

#	Article	IF	CITATIONS
2663	Image Quality Assessment Based on Quaternion Singular Value Decomposition. IEEE Access, 2020, 8, 75925-75935.	2.6	4
2664	Kernel extreme learning machine for flatness pattern recognition in cold rolling mill based on particle swarm optimization. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	0.8	11
2665	A New Workload Prediction Model Using Extreme Learning Machine and Enhanced Tug of War optimization. Procedia Computer Science, 2020, 170, 362-369.	1.2	21
2666	Random Subspace Ensemble With Enhanced Feature for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1373-1377.	1.4	14
2667	Rail Weld Defect Prediction and Related Condition-Based Maintenance. IEEE Access, 2020, 8, 103746-103758.	2.6	7
2668	Fault diagnosis of rotating machinery components using a deep kernel extreme learning machine under different working conditions. Measurement Science and Technology, 2020, 31, 115901.	1.4	14
2669	Wheel/Rail Adhesion State Identification of Heavy-Haul Locomotive Based on Particle Swarm Optimization and Kernel Extreme Learning Machine. Journal of Advanced Transportation, 2020, 2020, 1-6.	0.9	5
2670	Faster-YOLO: An accurate and faster object detection method. , 2020, 102, 102756.		54
2671	Voting extreme learning machine based distributed denial of service attack detection in cloud computing. Journal of Information Security and Applications, 2020, 53, 102532.	1.8	42
2672	Optimizing Weighted Extreme Learning Machines for imbalanced classification and application to credit card fraud detection. Neurocomputing, 2020, 407, 50-62.	3.5	86
2673	Boosting label weighted extreme learning machine for classifying multi-label imbalanced data. Neurocomputing, 2020, 403, 360-370.	3.5	20
2674	Multiâ€objectiveâ€based feature selection for DDoS attack detection in IoT networks. IET Networks, 2020, 9, 120-127.	1.1	62
2675	Non-Gaussian Residual Based Short Term Load Forecast Adjustment for Distribution Feeders. IEEE Access, 2020, 8, 10731-10741.	2.6	8
2676	Online Sorting of the Film on Cotton Based on Deep Learning and Hyperspectral Imaging. IEEE Access, 2020, 8, 93028-93038.	2.6	40
2677	Robust regularized extreme learning machine for regression with non-convex loss function via DC program. Journal of the Franklin Institute, 2020, 357, 7069-7091.	1.9	10
2678	Learning local discriminative representations via extreme learning machine for machine fault diagnosis. Neurocomputing, 2020, 409, 275-285.	3.5	28
2679	Ramp loss for twin multi-class support vector classification. International Journal of Systems Science, 2020, 51, 1448-1463.	3.7	6
2680	EEG-based tonic cold pain assessment using extreme learning machine. Intelligent Data Analysis, 2020, 24, 163-182.	0.4	5

#	Article	IF	CITATIONS
2681	Instantaneous mental workload assessment using time–frequency analysis and semi-supervised learning. Cognitive Neurodynamics, 2020, 14, 619-642.	2.3	5
2682	Bidirectional Broad Learning System. , 2020, , .		5
2683	Artistic multi-script identification at character level with extreme learning machine. Procedia Computer Science, 2020, 167, 496-505.	1.2	6
2684	Hidden Markov Models for Sepsis Detection in Preterm Infants. , 2020, , .		4
2685	Novel Extreme Learning Machine Using Kalman Filter for Performance Prediction of Aircraft Engine in Dynamic Behavior. Journal of Aerospace Engineering, 2020, 33, .	0.8	7
2686	Modified extreme learning machine based motion control of robotic manipulators. IOP Conference Series: Materials Science and Engineering, 2020, 715, 012093.	0.3	0
2687	Ensemble learning-based computational imaging method for electrical capacitance tomography. Applied Mathematical Modelling, 2020, 82, 521-545.	2.2	7
2688	A new approach for prediction of the wear loss of PTA surface coatings using artificial neural network and basic, kernel-based, and weighted extreme learning machine. Friction, 2020, 8, 1102-1116.	3.4	23
2689	Prediction of methane adsorption in shale: Classical models and machine learning based models. Fuel, 2020, 278, 118358.	3.4	63
2690	An Efficient Combination among sMRI, CSF, Cognitive Score, and <i>APOE <math>\hat{l}\mu</math></i> Value A Biomarkers for Classification of AD and MCI Using Extreme Learning Machine. Computational Intelligence and Neuroscience, 2020, 2020, 1-18.	1.1	14
2691	Initializing photonic feed-forward neural networks using auxiliary tasks. Neural Networks, 2020, 129, 103-108.	3.3	9
2692	A hybrid Type-2 Fuzzy Logic System and Extreme Learning Machine for low-cost INS/GPS in high-speed vehicular navigation system. Applied Soft Computing Journal, 2020, 94, 106447.	4.1	9
2693	E-nose Prototype to Monitoring the Growth and Maturation of Peaches in the Orchard. IEEE Sensors Journal, 2020, 20, 11741-11750.	2.4	18
2694	Gaussian process regression with heteroscedastic noises $\hat{a} \in \text{``A machine-learning predictive variance}$ approach. Chemical Engineering Research and Design, 2020, 157, 162-173.	2.7	15
2695	Prediction Optimization of Cervical Hyperextension Injury: Kernel Extreme Learning Machines With Orthogonal Learning Butterfly Optimizer and Broyden- Fletcher-Goldfarb-Shanno Algorithms. IEEE Access, 2020, 8, 119911-119930.	2.6	7
2696	Fixed-Point Minimum Error Entropy With Fiducial Points. IEEE Transactions on Signal Processing, 2020, 68, 3824-3833.	3.2	26
2697	Evolving fuzzy neural hydrocarbon networks: A model based on organic compounds. Knowledge-Based Systems, 2020, 203, 106099.	4.0	16
2698	Online fat detection and evaluation in modelling digital physiological fish. Aquaculture Research, 2020, 51, 3175-3190.	0.9	0

#	Article	IF	CITATIONS
2699	Handwritten Tibetan Character recognition based on ELM using modified HOG features. , 2020, , .		0
2700	Driving Drowsiness Detection with EEG Using a Modified Hierarchical Extreme Learning Machine Algorithm with Particle Swarm Optimization: A Pilot Study. Electronics (Switzerland), 2020, 9, 775.	1.8	23
2701	Optimal weighted feature vector and deep belief network for medical data classification. International Journal of Wavelets, Multiresolution and Information Processing, 2020, 18, 2050006.	0.9	5
2702	Characterization of Deep Green Infection in Tobacco Leaves Using a Hand-Held Digital Light Projection Based Near-InfraredÂSpectrometer and an Extreme Learning Machine Algorithm. Analytical Letters, 2020, 53, 2266-2277.	1.0	7
2703	A comparison of machine learning algorithms for forecasting indoor temperature in smart buildings. Energy Systems, 2022, 13, 689-705.	1.8	49
2704	Automated breast cancer detection in digital mammograms: A moth flame optimization based ELM approach. Biomedical Signal Processing and Control, 2020, 59, 101912.	3.5	85
2705	Rotation invariant descriptors for galaxy morphological classification. International Journal of Machine Learning and Cybernetics, 2020, $11$ , $1839-1853$ .	2.3	7
2706	Determination of tea polyphenols in green tea by homemade color sensitive sensor combined with multivariate analysis. Food Chemistry, 2020, 319, 126584.	4.2	41
2707	An Incremental Kernel Extreme Learning Machine for Multi-Label Learning With Emerging New Labels. IEEE Access, 2020, 8, 46055-46070.	2.6	5
2708	EEG-Rhythm Specific Taylor–Fourier Filter Bank Implemented With O-Splines for the Detection of Epilepsy Using EEG Signals. IEEE Sensors Journal, 2020, 20, 6542-6551.	2.4	60
2709	Angle Estimation for Knee Joint Movement Based on PCA-RELM Algorithm. Symmetry, 2020, 12, 130.	1.1	16
2710	Predicting Cervical Hyperextension Injury: A Covariance Guided Sine Cosine Support Vector Machine. IEEE Access, 2020, 8, 46895-46908.	2.6	47
2711	Subpixel-Pixel-Superpixel-Based Multiview Active Learning for Hyperspectral Images Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4976-4988.	2.7	28
2712	Non-Destructive Detection of Tea Leaf Chlorophyll Content Using Hyperspectral Reflectance and Machine Learning Algorithms. Plants, 2020, 9, 368.	1.6	32
2713	Spoken Language Identification Based on Particle Swarm Optimisation–Extreme Learning Machine Approach. Circuits, Systems, and Signal Processing, 2020, 39, 4596-4622.	1.2	32
2714	Data Assimilation for Streamflow Forecasting Using Extreme Learning Machines and Multilayer Perceptrons. Water Resources Research, 2020, 56, e2019WR026226.	1.7	39
2715	Annual Streamflow Time Series Prediction Using Extreme Learning Machine Based on Gravitational Search Algorithm and Variational Mode Decomposition. Journal of Hydrologic Engineering - ASCE, 2020, 25, .	0.8	62
2716	Ensemble Residual Networks for Short-Term Load Forecasting. IEEE Access, 2020, 8, 64750-64759.	2.6	11

#	Article	IF	CITATIONS
2717	Double-Criteria Active Learning for Multiclass Brain-Computer Interfaces. Computational Intelligence and Neuroscience, 2020, 2020, 1-13.	1.1	5
2718	A REAL-TIME AUTOMATIC METHOD FOR TARGET LOCATING UNDER UNKNOWN WALL CHARACTERISTICS IN THROUGH-WALL IMAGING. Progress in Electromagnetics Research M, 2020, 89, 189-197.	0.5	2
2719	Fabric wrinkle level classification via online sequential extreme learning machine based on improved sine cosine algorithm. Textile Reseach Journal, 2020, 90, 2007-2021.	1.1	12
2720	Discrimination of Grape Seeds Using Laser-Induced Breakdown Spectroscopy in Combination with Region Selection and Supervised Classification Methods. Foods, 2020, 9, 199.	1.9	22
2721	Prediction of ozone hourly concentrations by support vector machine and kernel extreme learning machine using wavelet transformation and partial least squares methods. Atmospheric Pollution Research, 2020, 11, 51-60.	1.8	53
2722	Optimizing Extreme Learning Machines Using Chains of Salps for Efficient Android Ransomware Detection. Applied Sciences (Switzerland), 2020, 10, 3706.	1.3	29
2723	Gauss–Seidel Extreme Learning Machines. SN Computer Science, 2020, 1, 1.	2.3	0
2724	Extreme learning machine adapted to noise based on optimization algorithms. Journal of Physics: Conference Series, 2020, 1514, 012006.	0.3	0
2725	Cardiovascular Disorder Severity Detection Using Myocardial Anatomic Features Based Optimized Extreme Learning Machine Approach. Irbm, 2022, 43, 2-12.	3.7	1
2726	Capped L1-norm distance metric-based fast robust twin extreme learning machine. Applied Intelligence, 2020, 50, 3775-3787.	3.3	4
2727	Early diagnosis of Parkinson's disease using EEG, machine learning and partial directed coherence. Research on Biomedical Engineering, 2020, 36, 311-331.	1.5	31
2728	Persistence Analysis and Prediction of Low-Visibility Events at Valladolid Airport, Spain. Symmetry, 2020, 12, 1045.	1.1	20
2729	Analysis and Prediction of Dammed Water Level in a Hydropower Reservoir Using Machine Learning and Persistence-Based Techniques. Water (Switzerland), 2020, 12, 1528.	1.2	28
2730	An ECoG-Based Binary Classification of BCI Using Optimized Extreme Learning Machine. Complexity, 2020, 2020, 1-13.	0.9	4
2731	Extreme Learning Machine Under Minimum Information Divergence Criterion. IEEE Access, 2020, 8, 122026-122035.	2.6	1
2732	Soft Sensing of Nonlinear and Multimode Processes Based on Semi-Supervised Weighted Gaussian Regression. IEEE Sensors Journal, 2020, 20, 12950-12960.	2.4	25
2733	An effective co-evolutionary algorithm based on artificial bee colony and differential evolution for time series predicting optimization. Complex & Intelligent Systems, 2020, 6, 299-308.	4.0	15
2734	Deep and wide feature based extreme learning machine for image classification. Neurocomputing, 2020, 412, 426-436.	3.5	23

#	ARTICLE	IF	CITATIONS
2735	Detection of Social Network Spam Based on Improved Extreme Learning Machine. IEEE Access, 2020, 8, 112003-112014.	2.6	29
2736	A Novel Method of Curve Fitting Based on Optimized Extreme Learning Machine. Applied Artificial Intelligence, 2020, 34, 849-865.	2.0	9
2737	Non-iterative and Fast Deep Learning: Multilayer Extreme Learning Machines. Journal of the Franklin Institute, 2020, 357, 8925-8955.	1.9	139
2738	Exploiting Earth Observation Data to Impute Groundwater Level Measurements with an Extreme Learning Machine. Remote Sensing, 2020, 12, 2044.	1.8	15
2739	The beginnings., 2020,, 79-160.		0
2740	Classifying of welding time series based on multi-scale time irreversibility analysis and extreme learning machine. Chaos, Solitons and Fractals, 2020, 139, 110040.	2.5	1
2741	ELM-HTM guided bio-inspired unsupervised learning for anomalous trajectory classification. Cognitive Systems Research, 2020, 63, 30-41.	1.9	13
2742	Prediction of effluent quality in papermaking wastewater treatment processes using dynamic kernel-based extreme learning machine. Process Biochemistry, 2020, 97, 72-79.	1.8	47
2743	Well Logging Based Lithology Identification Model Establishment Under Data Drift: A Transfer Learning Method. Sensors, 2020, 20, 3643.	2.1	36
2744	Extreme Learning Regression for nu Regularization. Applied Artificial Intelligence, 2020, 34, 378-395.	2.0	0
2745	Hyperspectral Classification With Noisy Label Detection via Superpixel-to-Pixel Weighting Distance. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4116-4131.	2.7	65
2746	Aircraft Engines Remaining Useful Life Prediction with an Improved Online Sequential Extreme Learning Machine. Applied Sciences (Switzerland), 2020, 10, 1062.	1.3	29
2747	A robust mobile robot indoor positioning system based on Wi-Fi. International Journal of Advanced Robotic Systems, 2020, 17, 172988141989666.	1.3	21
2748	Method of Depression Classification Based on Behavioral and Physiological Signals of Eye Movement. Complexity, 2020, 2020, 1-9.	0.9	12
2749	Extreme learning with chemical reaction optimization for stock volatility prediction. Financial Innovation, 2020, 6, .	3.6	23
2750	Gas Source Declaration With Tetrahedral Sensing Geometries and Median Value Filtering Extreme Learning Machine. IEEE Access, 2020, 8, 7227-7235.	2.6	2
2751	An adaptive illumination normalization using non-linear regression for robust person identification under varying illuminations. Journal of Statistics and Management Systems, 2020, 23, 77-90.	0.3	4
2752	A low rank robust kernel ridge regression classifier for power quality disturbance pattern recognition. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2020, 23, 219-240.	0.7	0

#	Article	IF	CITATIONS
2753	Extreme learning machine with hybrid cost function of G-mean and probability for imbalance learning. International Journal of Machine Learning and Cybernetics, 2020, 11, 2007-2020.	2.3	15
2754	Identifying groundwater contaminant sources based on a KELM surrogate model together with four heuristic optimization algorithms. Advances in Water Resources, 2020, 138, 103540.	1.7	47
2755	Supervised Extreme Learning Machine-Based Auto-Encoder for Discriminative Feature Learning. IEEE Access, 2020, 8, 11700-11709.	2.6	10
2756	Toward Group Applications of Zinc-Silver Battery: A Classification Strategy Based on PSO-LSSVM. IEEE Access, 2020, 8, 4745-4753.	2.6	8
2757	Bi-Modal Learning With Channel-Wise Attention for Multi-Label Image Classification. IEEE Access, 2020, 8, 9965-9977.	2.6	12
2758	Incorporating Load Fluctuation in Feature Importance Profile Clustering for Day-Ahead Aggregated Residential Load Forecasting. IEEE Access, 2020, 8, 25198-25209.	2.6	28
2759	Quantification of Acrylonitrile Butadiene Styrene Odor Intensity Based on a Novel Odor Assessment System With a Sensor Array. IEEE Access, 2020, 8, 33237-33249.	2.6	9
2760	Robust T-S Fuzzy Model Identification Approach Based on FCRM Algorithm and L1-Norm Loss Function. IEEE Access, 2020, 8, 33792-33805.	2.6	8
2761	Burden Surface Decision Using MODE With TOPSIS in Blast Furnace Ironmkaing. IEEE Access, 2020, 8, 35712-35725.	2.6	12
2762	A novel intrusion detection system based on an optimal hybrid kernel extreme learning machine. Knowledge-Based Systems, 2020, 195, 105648.	4.0	84
2763	Feature reduction based on semantic similarity for graph classification. Neurocomputing, 2020, 397, 114-126.	3.5	10
2764	Effective fault diagnosis and distance calculation for photovoltaicâ€based DC microgrid using adaptive EWT and kernel random vector functional link network. IET Generation, Transmission and Distribution, 2020, 14, 690-703.	1.4	15
2765	A Non-Tuned Machine Learning Technique for Abutment Scour Depth in Clear Water Condition. Water (Switzerland), 2020, 12, 301.	1.2	28
2766	Forecasting based on an ensemble Autoregressive Moving Average - Adaptive neuro - Fuzzy inference system – Neural network - Genetic Algorithm Framework. Energy, 2020, 197, 117159.	4.5	59
2767	A systematic literature review on machine learning applications for sustainable agriculture supply chain performance. Computers and Operations Research, 2020, 119, 104926.	2.4	342
2768	A real-time power quality events recognition using variational mode decomposition and online-sequential extreme learning machine. Measurement: Journal of the International Measurement Confederation, 2020, 157, 107597.	2.5	42
2769	A Machine Learning Approach to Growth Direction Finding for Automated Planting of Bulbous Plants. Scientific Reports, 2020, 10, 661.	1.6	3
2770	Non-Tuned Machine Learning Approach for Predicting the Compressive Strength of High-Performance Concrete. Materials, 2020, 13, 1023.	1.3	26

#	Article	IF	Citations
2771	A novel approach for forecasting of ground vibrations resulting from blasting: modified particle swarm optimization coupled extreme learning machine. Engineering With Computers, 2021, 37, 3221-3235.	3.5	58
2772	Negative correlation learning in the extreme learning machine framework. Neural Computing and Applications, 2020, 32, 13805-13823.	3.2	5
2773	Forecasting of Groundwater Level Using Ensemble Hybrid Wavelet–Self-adaptive Extreme Learning Machine-Based Models. Natural Resources Research, 2020, 29, 3215-3232.	2.2	22
2774	Multiclass covert speech classification using extreme learning machine. Biomedical Engineering Letters, 2020, 10, 217-226.	2.1	27
2775	An Overview on the Applications of Typical Non-linear Algorithms Coupled With NIR Spectroscopy in Food Analysis. Food Engineering Reviews, 2020, 12, 173-190.	3.1	77
2776	A competitive swarm optimizer with hybrid encoding for simultaneously optimizing the weights and structure of Extreme Learning Machines for classification problems. International Journal of Machine Learning and Cybernetics, 2020, 11, 1801-1823.	2.3	10
2777	A New Probabilistic Output Constrained Optimization Extreme Learning Machine. IEEE Access, 2020, 8, 28934-28946.	2.6	4
2778	Point and Interval Solar Power Forecasting Using Hybrid Empirical Wavelet Transform and Robust Wavelet Kernel Ridge Regression. Natural Resources Research, 2020, 29, 2813-2841.	2.2	10
2779	Control-based algorithms for high dimensional online learning. Journal of the Franklin Institute, 2020, 357, 1909-1942.	1.9	4
2780	Corrosion defect modelling of aged pipelines with a feed-forward multi-layer neural network for leak and burst failure estimation. Engineering Failure Analysis, 2020, 110, 104397.	1.8	55
2781	Rule-based granular classification: A hypersphere information granule-based method. Knowledge-Based Systems, 2020, 194, 105500.	4.0	16
2782	Prediction of the diet energy digestion using kernel extreme learning machine: A case study with Holstein dry cows. Computers and Electronics in Agriculture, 2020, 169, 105231.	3.7	19
2783	A deep stacked random vector functional link network autoencoder for diagnosis of brain abnormalities and breast cancer. Biomedical Signal Processing and Control, 2020, 58, 101860.	3.5	39
2784	Adaptive neural fault-tolerant control for uncertain MIMO nonlinear systems with actuator faults and coupled interconnections. Neural Computing and Applications, 2020, 32, 12755-12770.	3.2	6
2785	Robust stochastic configuration network multi-output modeling of molten iron quality in blast furnace ironmaking. Neurocomputing, 2020, 387, 139-149.	3.5	21
2786	CODES: Efficient Incremental Semi-Supervised Classification Over Drifting and Evolving Social Streams. IEEE Access, 2020, 8, 14024-14035.	2.6	9
2787	A deep residual compensation extreme learning machine and applications. Journal of Forecasting, 2020, 39, 986-999.	1.6	29
2788	Solving the ruin probabilities of some risk models with Legendre neural network algorithm. , 2020, 99, 102634.		13

#	Article	IF	CITATIONS
2789	Fractional Tikhonov regularization to improve the performance of extreme learning machines. Physica A: Statistical Mechanics and Its Applications, 2020, 551, 124034.	1.2	9
2790	Indoor Real-Time 3-D Visible Light Positioning System Using Fingerprinting and Extreme Learning Machine. IEEE Access, 2020, 8, 13875-13886.	2.6	37
2791	The Application of the Machine Learning Method in Electromyographic Data. IEEE Access, 2020, 8, 9196-9208.	2.6	8
2792	Two novel ELM-based stacking deep models focused on image recognition. Applied Intelligence, 2020, 50, 1345-1366.	3.3	19
2793	Fault Diagnosis of Fuel System Based on Improved Extreme Learning Machine. Neural Processing Letters, 2021, 53, 2553-2565.	2.0	14
2794	Online Active Extreme Learning Machine With Discrepancy Sampling for PolSAR Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2027-2041.	2.7	14
2795	An ELM-Embedded Deep Learning Based Intelligent Recognition System for Computer Numeric Control Machine Tools. IEEE Access, 2020, 8, 24616-24629.	2.6	7
2796	A Multimodal Event-Driven LSTM Model for Stock Prediction Using Online News. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 3323-3337.	4.0	72
2797	Individual wheat kernels vigor assessment based on NIR spectroscopy coupled with machine learning methodologies. Infrared Physics and Technology, 2020, 105, 103213.	1.3	29
2798	BD-ELM: A Regularized Extreme Learning Machine Using Biased DropConnect and Biased Dropout. Mathematical Problems in Engineering, 2020, 2020, 1-7.	0.6	3
2799	An Analog Circuit Fault Diagnosis Method Based on Circle Model and Extreme Learning Machine. Applied Sciences (Switzerland), 2020, 10, 2386.	1.3	5
2800	Crop Monitoring Using Satellite/UAV Data Fusion and Machine Learning. Remote Sensing, 2020, 12, 1357.	1.8	135
2801	Rationalized fruit fly optimization with sine cosine algorithm: A comprehensive analysis. Expert Systems With Applications, 2020, 157, 113486.	4.4	59
2802	Extreme learning machine with multi-structure and auto encoding receptive fields for image classification. Multidimensional Systems and Signal Processing, 2020, 31, 1277-1298.	1.7	1
2803	A Novel Intelligent ELM-BBO Technique for Predicting Distance of Mine Blasting-Induced Flyrock. Natural Resources Research, 2020, 29, 4103-4120.	2.2	56
2804	AEKOC+: Kernel Ridge Regression-Based Auto-Encoder for One-Class Classification Using Privileged Information. Cognitive Computation, 2020, 12, 412-425.	3.6	6
2805	Gold price forecasting research based on an improved online extreme learning machine algorithm. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 4101-4111.	3.3	37
2806	A fast conformal predictive system with regularized extreme learning machine. Neural Networks, 2020, 126, 347-361.	3.3	10

#	Article	IF	CITATIONS
2807	Classification of Authentic and Tampered Video Using Motion Residual and Parasitic Layers. IEEE Access, 2020, 8, 56782-56797.	2.6	18
2808	Evaluation of Sino Foreign Cooperative Education Project Using Orthogonal Sine Cosine Optimized Kernel Extreme Learning Machine. IEEE Access, 2020, 8, 61107-61123.	2.6	72
2809	Predicting Entrepreneurial Intention of Students: An Extreme Learning Machine With Gaussian Barebone Harris Hawks Optimizer. IEEE Access, 2020, 8, 76841-76855.	2.6	98
2810	Multi-Step Short-Term Wind Power Prediction Based on Three-level Decomposition and Improved Grey Wolf Optimization. IEEE Access, 2020, 8, 67124-67136.	2.6	15
2811	Breast microcalcifications detection based on fusing features with DTCWT. Journal of X-Ray Science and Technology, 2020, 28, 197-218.	0.7	2
2812	Predicting Alzheimer's Disease Conversion From Mild Cognitive Impairment Using an Extreme Learning Machine-Based Grading Method With Multimodal Data. Frontiers in Aging Neuroscience, 2020, 12, 77.	1.7	37
2813	GA based KELM Optimization for ECG Classification. Procedia Computer Science, 2020, 167, 580-588.	1.2	14
2814	Vibration Tendency Prediction Approach for Hydropower Generator Fused with Multiscale Dominant Ingredient Chaotic Analysis, Adaptive Mutation Grey Wolf Optimizer, and KELM. Complexity, 2020, 2020, 1-20.	0.9	17
2815	Variances-constrained weighted extreme learning machine for imbalanced classification. Neurocomputing, 2020, 403, 45-52.	3.5	15
2816	Artificial Intelligence-Based Fault Diagnosis for Condition Monitoring of Electric Motors. International Journal of Pattern Recognition and Artificial Intelligence, 2020, 34, 2059043.	0.7	14
2817	Robust extreme learning machine in the presence of outliers by iterative reweighted algorithm. Applied Mathematics and Computation, 2020, 377, 125186.	1.4	20
2818	Supervised and semi-supervised twin parametric-margin regularized extreme learning machine. Pattern Analysis and Applications, 2020, 23, 1603-1626.	3.1	3
2819	Weightless Neural Networks as Memory Segmented Bloom Filters. Neurocomputing, 2020, 416, 292-304.	3.5	13
2820	A Multifactorial Short-Term Load Forecasting Model Combined With Periodic and Non-Periodic Features - A Case Study of Qingdao, China. IEEE Access, 2020, 8, 67416-67425.	2.6	11
2821	A Flexible High-Level Fusion for an Accurate Human Action Recognition System. Journal of Circuits, Systems and Computers, 2020, 29, 2050190.	1.0	4
2822	Classifying construction and demolition waste by combining spatial and spectral features. Proceedings of Institution of Civil Engineers: Waste and Resource Management, 2020, 173, 79-90.	0.9	5
2823	Estimation and Correlation Analysis of Lower Limb Joint Angles Based on Surface Electromyography. Electronics (Switzerland), 2020, 9, 556.	1.8	13
2824	Clustering via Adaptive and Locality-constrained Graph Learning and Unsupervised ELM. Neurocomputing, 2020, 401, 224-235.	3.5	7

#	Article	IF	CITATIONS
2825	A cooperative coevolutionary method for optimizing random weight networks and its application for medical classification problems. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 321-342.	3.3	4
2826	Age Estimation Using Aging/Rejuvenation Features With Device-Edge Synergy. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 608-620.	5.6	11
2827	Dual Extreme Learning Machines-Based Spatiotemporal Modeling for Nonlinear Distributed Thermal Processes. International Journal of Computational Methods, 2021, 18, 2050026.	0.8	5
2828	Preventive maintenance scheduling optimization based on opportunistic production-maintenance synchronization. Journal of Intelligent Manufacturing, 2021, 32, 545-558.	4.4	36
2829	Consensus Learning for Distributed Fuzzy Neural Network in Big Data Environment. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 29-41.	3.4	10
2830	Spectral–Spatial Hyperspectral Classification via Structural-Kernel Collaborative Representation. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 861-865.	1.4	41
2831	Modeling and optimization of sugarcane juice clarification process. Journal of Food Engineering, 2021, 291, 110223.	2.7	16
2832	Deep kernel learning in extreme learning machines. Pattern Analysis and Applications, 2021, 24, 11-19.	3.1	18
2833	Computer-Aided Dementia Diagnosis Based on Hierarchical Extreme Learning Machine. Cognitive Computation, 2021, 13, 34-48.	3.6	8
2834	Novel Efficient RNN and LSTM-Like Architectures: Recurrent and Gated Broad Learning Systems and Their Applications for Text Classification. IEEE Transactions on Cybernetics, 2021, 51, 1586-1597.	6.2	97
2835	Data mining to effect of key alloying elements on corrosion resistance of low alloy steels in Sanya seawater environmentAlloying Elements. Journal of Materials Science and Technology, 2021, 64, 222-232.	5.6	26
2836	A Regression Method With Subnetwork Neurons for Vigilance Estimation Using EOG and EEG. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 209-222.	2.6	29
2837	Improved cuckoo search load distribution (ICSâ€LD) and attack detection in cloud environment. Concurrency Computation Practice and Experience, 2021, 33, e5226.	1.4	1
2838	Adaptive CCR-ELM with variable-length brain storm optimization algorithm for class-imbalance learning. Natural Computing, 2021, 20, 11-22.	1.8	25
2839	Brand classification of detergent powder using near-infrared spectroscopy and extreme learning machines. Microchemical Journal, 2021, 160, 105691.	2.3	10
2840	An Ensemble Learning-Based Data-Driven Method for Online State-of-Health Estimation of Lithium-lon Batteries. IEEE Transactions on Transportation Electrification, 2021, 7, 422-436.	5.3	71
2841	Integrated Multiple Kernel Learning for Device-Free Localization in Cluttered Environments Using Spatiotemporal Information. IEEE Internet of Things Journal, 2021, 8, 4749-4761.	5.5	16
2842	A Real-Time Capable Linear Time Classifier Scheme for Anticipated Hand Movements Recognition from Amputee Subjects Using Surface EMG Signals. Irbm, 2021, 42, 277-293.	3.7	12

#	Article	IF	Citations
2843	Can Machine Learning Assist Locating the Excitation of Snore Sound? A Review. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1233-1246.	3.9	24
2844	A kernel extreme learning machine-based neural network to forecast very short-term power output of an on-grid photovoltaic power plant. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2021, 43, 395-412.	1.2	15
2845	Epileptic Signal Classification Based on Synthetic Minority Oversampling and Blending Algorithm. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 368-382.	2.6	28
2846	Machine Learning Algorithms in Civil Structural Health Monitoring: A Systematic Review. Archives of Computational Methods in Engineering, 2021, 28, 2621-2643.	6.0	185
2847	Solving two-dimensional linear partial differential equations based on Chebyshev neural network with extreme learning machine algorithm. Engineering Computations, 2021, 38, 874-894.	0.7	8
2848	Hyperspectral Remote Sensing Image Classification Using Active Learning. Studies in Computational Intelligence, 2021, , 133-152.	0.7	1
2849	Extreme Wavelet Fast Learning Machine for Evaluation of the Default Profile on Financial Transactions. Computational Economics, 2021, 57, 1263-1285.	1.5	2
2850	Residual Learning With Multifactor Extreme Learning Machines for Waveheight Prediction. IEEE Journal of Oceanic Engineering, 2021, 46, 611-623.	2.1	3
2851	A novel online sequential extreme learning machine with L2,1-norm regularization for prediction problems. Applied Intelligence, 2021, 51, 1669-1689.	3.3	14
2852	SVMs multi-class loss feedback based discriminative dictionary learning for image classification. Pattern Recognition, 2021, 112, 107690.	5.1	16
2853	Balanced Graph-based regularized semi-supervised extreme learning machine for EEG classification. International Journal of Machine Learning and Cybernetics, 2021, 12, 903-916.	2.3	13
2854	FPGA-Based Deep Convolutional Neural Network of Process Adaptive VMD Data With Online Sequential RVFLN for Power Quality Events Recognition. IEEE Transactions on Power Electronics, 2021, 36, 4006-4015.	5.4	24
2855	A hybrid approach for multi-step wind speed forecasting based on two-layer decomposition, improved hybrid DE-HHO optimization and KELM. Renewable Energy, 2021, 164, 211-229.	4.3	72
2856	Estimation of aerodynamic parameters near stall using maximum likelihood and extreme learning machine-based methods. Aeronautical Journal, 2021, 125, 489-509.	1.1	12
2857	Color difference classification of dyed fabrics via a kernel extreme learning machine based on an improved grasshopper optimization algorithm. Color Research and Application, 2021, 46, 388-401.	0.8	27
2858	Modeling irregular small bodies gravity field via extreme learning machines and Bayesian optimization. Advances in Space Research, 2021, 67, 617-638.	1.2	10
2859	A clustering based ensemble of weighted kernelized extreme learning machine for class imbalance learning. Expert Systems With Applications, 2021, 164, 114041.	4.4	25
2860	Can deep learning algorithms outperform benchmark machine learning algorithms in flood susceptibility modeling?. Journal of Hydrology, 2021, 592, 125615.	2.3	65

#	Article	IF	CITATIONS
2861	A novel kernel extreme learning machine model coupled with K-means clustering and firefly algorithm for estimating monthly reference evapotranspiration in parallel computation. Agricultural Water Management, 2021, 245, 106624.	2.4	43
2862	A novel error-output recurrent two-layer extreme learning machine for multi-step time series prediction. Sustainable Cities and Society, 2021, 66, 102613.	5.1	16
2863	Hierarchical extreme learning machine with L21-norm loss and regularization. International Journal of Machine Learning and Cybernetics, 2021, 12, 1297-1310.	2.3	14
2864	Doppler spectrum analysis and flow pattern identification of oil-water two-phase flow using dual-modality sensor. Flow Measurement and Instrumentation, 2021, 77, 101861.	1.0	19
2865	Accurate and fast estimation for field-dependent nonlinear damping force of meandering valve-based magnetorheological damper using extreme learning machine method. Sensors and Actuators A: Physical, 2021, 318, 112479.	2.0	24
2866	Regularizing extreme learning machine by dual locally linear embedding manifold learning for training multi-label neural network classifiers. Engineering Applications of Artificial Intelligence, 2021, 97, 104062.	4.3	35
2867	Detection of abnormalities in wireless capsule endoscopy based on extreme learning machine. Signal, Image and Video Processing, 2021, 15, 877-884.	1.7	18
2868	Regularized ELM bagging model for Tropical Cyclone Tracks prediction in South China Sea. Cognitive Systems Research, 2021, 65, 50-59.	1.9	6
2869	Iron ore identification method using reflectance spectrometer and a deep neural network framework. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 248, 119168.	2.0	19
2870	Classification of neovascularization on retinal images using extreme learning machine. International Journal of Imaging Systems and Technology, 2021, 31, 1536-1550.	2.7	2
2871	Two-level label recovery-based label embedding for multi-label classification with missing labels. Applied Soft Computing Journal, 2021, 99, 106868.	4.1	10
2872	Multimodal affect analysis of psychodynamic play therapy. Psychotherapy Research, 2021, 31, 313-328.	1.1	10
2873	Extreme ensemble of extreme learning machines. Statistical Analysis and Data Mining, 2021, 14, 116-128.	1.4	4
2874	A combined multi-objective optimization model for degradation trend prediction of pumped storage unit. Measurement: Journal of the International Measurement Confederation, 2021, 169, 108373.	2.5	23
2875	Machine Learning-Based Massive Augmented Spatial Modulation (ASM) for IoT VLC Systems. IEEE Communications Letters, 2021, 25, 494-498.	2.5	7
2876	Hyperspectral reflectance sensing for quantifying leaf chlorophyll content in wasabi leaves using spectral pre-processing techniques and machine learning algorithms. International Journal of Remote Sensing, 2021, 42, 1311-1329.	1.3	27
2877	Evaluating the performances of several artificial intelligence methods in forecasting daily streamflow time series for sustainable water resources management. Sustainable Cities and Society, 2021, 64, 102562.	5.1	104
2878	Robust supervised and semi-supervised twin extreme learning machines for pattern classification. Signal Processing, 2021, 180, 107861.	2.1	7

#	Article	IF	CITATIONS
2879	Multinomial Bayesian extreme learning machine for sparse and accurate classification model. Neurocomputing, 2021, 423, 24-33.	3.5	12
2880	Prediction of raw meal fineness in the grinding process of cement raw material: A two-dimensional convolutional neural network prediction method. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2021, 235, 823-838.	0.7	3
2881	Machine learning techniques in river water quality modelling: a research travelogue. Water Science and Technology: Water Supply, 2021, 21, 1-13.	1.0	21
2882	A hybrid interval displacement forecasting model for reservoir colluvial landslides with step-like deformation characteristics considering dynamic switching of deformation states. Stochastic Environmental Research and Risk Assessment, 2021, 35, 1089-1112.	1.9	20
2883	Artificial intelligence-based antivirus in order to detect malware preventively. Progress in Artificial Intelligence, 2021, 10, 1-22.	1.5	9
2884	Prediction of arch dam deformation via correlated multi-target stacking. Applied Mathematical Modelling, 2021, 91, 1175-1193.	2.2	39
2885	Embedded decision support system for ultrasound nondestructive evaluation based on extreme learning machines. Computers and Electrical Engineering, 2021, 90, 106891.	3.0	6
2886	Towards augmented kernel extreme learning models for bankruptcy prediction: Algorithmic behavior and comprehensive analysis. Neurocomputing, 2021, 430, 185-212.	3.5	195
2887	Hierarchical Fuzzy Neural Networks With Privacy Preservation for Heterogeneous Big Data. IEEE Transactions on Fuzzy Systems, 2021, 29, 46-58.	6.5	15
2888	Cloud Detection From Paired CrIS Water Vapor and COâ,, Channels Using Machine Learning Techniques. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2781-2793.	2.7	2
2889	Learning-Based Online Transmission Path Selection for Secure Estimation in Edge Computing Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 3577-3587.	7.2	5
2890	A Novel Underground Pipeline Surveillance System Based on Hybrid Acoustic Features. IEEE Sensors Journal, 2021, 21, 1040-1050.	2.4	8
2891	Extreme learning machine for real-time damping of LFO in power system networks. Electrical Engineering, 2021, 103, 279-292.	1.2	10
2892	Learning-Based Hybrid Beamforming Design for Full-Duplex Millimeter Wave Systems. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 120-132.	4.9	20
2893	Compound-Fault Diagnosis of Rotating Machinery: A Fused Imbalance Learning Method. IEEE Transactions on Control Systems Technology, 2021, 29, 1462-1474.	3.2	39
2894	Convolutional Deep Learning Network for Handwritten Arabic Script Recognition. Advances in Intelligent Systems and Computing, 2021, , 103-112.	0.5	4
2895	Extreme Learning Machine-Based Tone Reservation Scheme for OFDM Systems. IEEE Wireless Communications Letters, 2021, 10, 30-33.	3.2	11
2896	Forecasting of e-commerce transaction volume using a hybrid of extreme learning machine and improved moth-flame optimization algorithm. Applied Intelligence, 2021, 51, 952-965.	3.3	18

#	Article	IF	CITATIONS
2897	Automated design for recognition of blood cells diseases from hematopathology using classical features selection and ELM. Microscopy Research and Technique, 2021, 84, 202-216.	1.2	33
2898	An optimal extreme learning-based classification method for power quality events using fractional Fourier transform. Neural Computing and Applications, 2021, 33, 4979-4995.	3.2	9
2899	Fault diagnosis of biological systems using improved machine learning technique. International Journal of Machine Learning and Cybernetics, 2021, 12, 515-528.	2.3	3
2900	EnsPKDE&IncLKDE: a hybrid time series prediction algorithm integrating dynamic ensemble pruning, incremental learning, and kernel density estimation. Applied Intelligence, 2021, 51, 617-645.	3.3	9
2901	A Newly Designed Diagnostic Method for Mechanical Faults of High-Voltage Circuit Breakers via SSAE and IELM. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	2.4	20
2902	Graph Embedding-Based Dimension Reduction With Extreme Learning Machine. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4262-4273.	5.9	17
2903	Efficient Batch-Mode Reinforcement Learning Using Extreme Learning Machines. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3664-3677.	5.9	7
2904	Development and performance evaluation of hybrid KELM models for forecasting of agro-commodity price. Evolutionary Intelligence, 2021, 14, 529-544.	2.3	12
2905	A Packet Loss-Dependent Event-Triggered Cyber-Physical Cooperative Control Strategy for Islanded Microgrid. IEEE Transactions on Cybernetics, 2021, 51, 267-282.	6.2	29
2906	Adaptive Classifier Ensemble Method Based on Spatial Perception for High-Dimensional Data Classification. IEEE Transactions on Knowledge and Data Engineering, 2021, 33, 2847-2862.	4.0	13
2907	A Hybrid Ensemble Model for Interval Prediction of Solar Power Output in Ship Onboard Power Systems. IEEE Transactions on Sustainable Energy, 2021, 12, 14-24.	5.9	47
2908	Design of Fuzzy Ensemble Architecture Realized With the Aid of FCM-Based Fuzzy Partition and NN With Weighted LSE Estimation. IEEE Transactions on Fuzzy Systems, 2021, 29, 569-583.	6.5	3
2909	Research on Fault Diagnosis Method Based on Diffusion Map and Extreme Learning Machine. Advances in Intelligent Systems and Computing, 2021, , 423-431.	0.5	0
2910	Learn to Rectify Label Through Kernel Extreme Learning Machine. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 260-269.	0.2	0
2911	ELM-QR-Based Nonparametric Probabilistic Prediction Method for Wind Power. Energies, 2021, 14, 701.	1.6	8
2912	Simulation technologies for process safety. , 2021, , 159-208.		O
2913	Quantitative Spectral Data Analysis Using Extreme Learning Machines Algorithm Incorporated with PCA. Algorithms, 2021, 14, 18.	1.2	4
2914	Developing Practical Multi-view Learning for Clinical Analytics in P4 Medicine. IEEE Transactions on Emerging Topics in Computing, 2021, , $1$ -1.	3.2	3

#	Article	IF	CITATIONS
2915	An introductory illustration of medical image analysis. , 2021, , 1-9.		О
2916	Palm Vein Recognition Based on NPE and KELM. IEEE Access, 2021, 9, 71778-71783.	2.6	6
2917	Short-term flood forecasting using artificial neural networks, extreme learning machines, and M5 model tree., 2021,, 263-279.		6
2918	Evidential Reasoning With Hesitant Fuzzy Belief Structures for Human Activity Recognition. IEEE Transactions on Fuzzy Systems, 2021, 29, 3607-3619.	6.5	27
2919	A Novel Classifier Ensemble Method Based on Subspace Enhancement for High-Dimensional Data Classification. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	4.0	6
2920	Evaluation Feature Selection Technique on Classification by Using Evolutionary ELM Wrapper Method with Features Priorities. Journal of Advances in Information Technology, 2021, 12, 21-28.	2.6	11
2921	A Weighted Discriminative Extreme Learning Machine Design for Lung Cancer Detection by an Electronic Nose System. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	2.4	21
2922	Novel Transformer Based on Gated Convolutional Neural Network for Dynamic Soft Sensor Modeling of Industrial Processes. IEEE Transactions on Industrial Informatics, 2022, 18, 1521-1529.	7.2	63
2923	Emulators of a Physical Model for Estimating Leaf Wetness Duration. Agronomy, 2021, 11, 216.	1.3	5
2924	An Accelerated Maximally Split ADMM for a Class of Generalized Ridge Regression. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 958-972.	7.2	4
2925	Robust Face Recognition Using Multi-scale Feature Pattern Sparse Representation with Extreme Learning Machine. Lecture Notes in Networks and Systems, 2021, , 135-150.	0.5	0
2926	Novel L1 Regularized Extreme Learning Machine for Soft-Sensing of an Industrial Process. IEEE Transactions on Industrial Informatics, 2022, 18, 1009-1017.	7.2	45
2927	Morphological extreme learning machines applied to the detection and classification of mammary lesions., 2021,, 55-95.		3
2928	Regularized based implicit Lagrangian twin extreme learning machine in primal for pattern classification. International Journal of Machine Learning and Cybernetics, 2021, 12, 1311-1342.	2.3	20
2929	Identification of significant bio-markers from high-dimensional cancerous data employing a modified multi-objective meta-heuristic algorithm. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 4743-4755.	2.7	4
2930	Training Noise-Resilient Recurrent Photonic Networks for Financial Time Series Analysis. , 2021, , .		13
2931	Powerlifting score prediction using a machine learning method. Mathematical Biosciences and Engineering, 2021, 18, 1040-1050.	1.0	1
2932	An Adaptive Learning Algorithm for Regularized Extreme Learning Machine. IEEE Access, 2021, 9, 20736-20745.	2.6	5

#	Article	IF	CITATIONS
2933	Image multi-label learning algorithm based on label correlation. , 2021, , .		1
2934	A Novel Recursive Gene Selection Method Based on Least Square Kernel Extreme Learning Machine. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, 19, 2026-2038.	1.9	3
2935	Joint Feature Representation and Classifier Learning Based Unsupervised Domain Adaption ELM. Chinese Journal of Electronics, 2021, 30, 109-118.	0.7	1
2936	Color Face Recognition Based on Quaternion Moment Vectors Using Polynomial Kernel Extreme Learning Machine. Lecture Notes in Networks and Systems, 2021, , 601-611.	0.5	0
2937	Extreme Learning Machine Based on Maximum Weighted Mean Discrepancy for Unsupervised Domain Adaptation. IEEE Access, 2021, 9, 2283-2293.	2.6	10
2938	Script pattern identification of word images using multi-directional and multi-scalable textures. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 9739-9755.	3.3	3
2939	NOx Measurements in Vehicle Exhaust Using Advanced Deep ELM Networks. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	2.4	13
2940	Prediction of Bending Force in the Hot Strip Rolling Process Using Multilayer Extreme Learning Machine. Mathematical Problems in Engineering, 2021, 2021, 1-13.	0.6	3
2941	Short Time Solar Power Forecasting Using Persistence Extreme Learning Machine Approach. E3S Web of Conferences, 2021, 294, 01002.	0.2	1
2942	Wavelet extreme learning machine and deep learning for data classification. Neurocomputing, 2022, 470, 280-289.	<b>3.</b> 5	26
2943	The Role of Al, Machine Learning, and Big Data in Digital Twinning: A Systematic Literature Review, Challenges, and Opportunities. IEEE Access, 2021, 9, 32030-32052.	2.6	160
2944	An Enhanced Unsupervised Extreme Learning Machine Based Method for the Nonlinear Fault Detection. IEEE Access, 2021, 9, 48884-48898.	2.6	6
2945	Brainwave Classification for Character-Writing Application using EMD-based GMM and KELM approaches. Computers, Materials and Continua, 2021, 66, 3029-3044.	1.5	5
2946	Data-Driven Auxiliary Decision-Making Method for Power System Stability. Lecture Notes in Electrical Engineering, 2021, , 569-581.	0.3	0
2947	Slope reliability evaluation based on multi-objective grey wolf optimization-multi-kernel-based extreme learning machine agent model. Bulletin of Engineering Geology and the Environment, 2021, 80, 2011-2024.	1.6	18
2948	No-Reference Stereoscopic Image Quality Assessment Based on Binocular Statistical Features and Machine Learning. Complexity, 2021, 2021, 1-14.	0.9	1
2949	Machine learning toward advanced energy storage devices and systems. IScience, 2021, 24, 101936.	1.9	79
2951	Real-Time and Adaptive Reservoir Computing With Application to Profile Prediction in Fusion Plasma. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2630-2641.	7.2	15

#	Article	IF	CITATIONS
2952	Target Detection in Clutter/Interference Regions Based on Deep Feature Fusion for HFSWR. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 5581-5595.	2.3	16
2953	A physical model and data-driven hybrid prediction method towards quality assurance for composite components. CIRP Annals - Manufacturing Technology, 2021, 70, 115-118.	1.7	13
2954	Extreme Learning Machine Based on Double Kernel Risk-Sensitive Loss for Cancer Samples Classification. Lecture Notes in Computer Science, 2021, , 532-539.	1.0	0
2955	Feature Extraction Using Multidimensional Spectral Regression Whitening for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 8326-8340.	2.3	8
2956	Real-time identified chaotic plants using neural enhanced learning machine technique. Engineering Computations, 2021, 38, 2810-2832.	0.7	3
2957	Predicting Human Intentions in Human–Robot Hand-Over Tasks Through Multimodal Learning. IEEE Transactions on Automation Science and Engineering, 2022, 19, 2339-2353.	3.4	28
2958	Classifying imbalanced data using SMOTE based class-specific kernelized ELM. International Journal of Machine Learning and Cybernetics, 2021, 12, 1255-1280.	2.3	15
2959	Path Planning of Hydraulic Support Pushing Mechanism Based on Extreme Learning Machine and Descartes Path Planning. Symmetry, 2021, 13, 97.	1.1	8
2960	Random Convolutional Network for Hyperspectral Image Classification. Communications in Computer and Information Science, 2021, , 341-353.	0.4	0
2961	Robust Unilateral Alignment for Subsurface Lithofacies Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	2.7	2
2962	Composite Multi-Scale Basic Scale Entropy Based on CEEMDAN and Its Application in Hydraulic Pump Fault Diagnosis. IEEE Access, 2021, 9, 60564-60576.	2.6	8
2963	A Feature-Cascaded Correntropy LSTM for Tourists Prediction. IEEE Access, 2021, 9, 32810-32822.	2.6	0
2964	Graph-Embedded Multi-Layer Kernel Ridge Regression for One-Class Classification. Cognitive Computation, 2021, 13, 552-569.	3.6	3
2965	Prediction of Rubber Fiber Concrete Strength Using Extreme Learning Machine. Frontiers in Materials, 2021, 7, .	1.2	11
2966	Stacked Broad Learning System: From Incremental Flatted Structure to Deep Model. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 209-222.	5.9	62
2967	Intrusion Detection Algorithm Based onÂSDA-ELM. Lecture Notes in Computer Science, 2021, , 495-505.	1.0	0
2968	Spectral-Spatial Hyperspectral Image Classification Using Robust Dual-Stage Spatial Embedding. IEEE Access, 2021, 9, 104734-104748.	2.6	0
2969	A Transformer Fault Diagnosis Method Based on Parameters Optimization of Hybrid Kernel Extreme Learning Machine. IEEE Access, 2021, 9, 126891-126902.	2.6	18

#	Article	IF	Citations
2970	Using Extreme Learning Machines and the Backprojection Algorithm as an Alternative to Reconstruct Electrical Impedance Tomography Images. Advances in Bioinformatics and Biomedical Engineering Book Series, 2021, , 16-27.	0.2	1
2971	Feature Extraction via Joint Adaptive Structure Density for Hyperspectral Imagery Classification. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-16.	2.4	18
2972	Prediction of cooling moisture content after cut tobacco drying process based on a particle swarm optimization-extreme learning machine algorithm. Mathematical Biosciences and Engineering, 2021, 18, 2496-2507.	1.0	9
2973	Evolutionary Dual-Ensemble Class Imbalance Learning for Human Activity Recognition. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 728-739.	3.4	22
2974	SGOA: annealing-behaved grasshopper optimizer for global tasks. Engineering With Computers, 2022, 38, 3761-3788.	3.5	88
2975	Diagnosis of COVID-19 Infection Using Three-Dimensional Semantic Segmentation and Classification of Computed Tomography Images. Computers, Materials and Continua, 2021, 68, 2451-2467.	1.5	12
2976	Proposing several hybrid PSO-extreme learning machine techniques to predict TBM performance. Engineering With Computers, 2022, 38, 3811-3827.	3.5	34
2977	Radiological Identification of Hip Joint Centers from X-ray Images Using Fast Deep Stacked Network and Dynamic Registration Graph. Lecture Notes in Computer Science, 2021, , 647-659.	1.0	0
2978	Conclusion and future research directions. , 2021, , 273-277.		0
2979	Extreme Learning Machine for Heartbeat Classification with Hybrid Time-Domain and Wavelet Time-Frequency Features. Journal of Healthcare Engineering, 2021, 2021, 1-12.	1.1	9
2980	Global Negative Correlation Learning: A Unified Framework for Global Optimization of Ensemble Models. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4031-4042.	7.2	4
2981	Hydroxyurea Dosage Classification for Sickle Cell Disease Patients. , 2021, , .		0
2982	Human Gait Recognition Based on Multiple Feature Combination and Parameter Optimization Algorithms. Computational Intelligence and Neuroscience, 2021, 2021, 1-14.	1.1	14
2983	Mine reclamation based on remote sensing information and error compensation extreme learning machine. Spectroscopy Letters, 2021, 54, 151-164.	0.5	5
2984	Augmented Online Sequential Quaternion Extreme Learning Machine. Neural Processing Letters, 2021, 53, 1161-1186.	2.0	7
2985	Dual-Weighted Kernel Extreme Learning Machine for Hyperspectral Imagery Classification. Remote Sensing, 2021, 13, 508.	1.8	16
2986	An improved harmony search based extreme learning machine for intrusion detection system. Materials Today: Proceedings, 2021, , .	0.9	4
2987	Optimisation of Non-Pharmaceutical Measures in COVID-19 Growth via Neural Networks. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 79-91.	3.4	11

#	Article	IF	CITATIONS
2988	Uncertainty analysis of monthly river flow modeling in consecutive hydrometric stations using integrated data-driven models. Journal of Hydroinformatics, 2021, 23, 897-913.	1.1	5
2989	Optimal ELM–Harris Hawks Optimization and ELM–Grasshopper Optimization Models to Forecast Peak Particle Velocity Resulting from Mine Blasting. Natural Resources Research, 2021, 30, 2647-2662.	2.2	38
2990	Stray Current Prediction Model for Buried Gas Pipelines Based on Multiple Regression Models and Extreme Learning Machine. International Journal of Electrochemical Science, 0, , 210253.	0.5	0
2991	Effect of Dataset Size and Train/Test Split Ratios in QSAR/QSPR Multiclass Classification. Molecules, 2021, 26, 1111.	1.7	106
2992	Local Neighbourhood Edge Responsive Image Descriptor for Texture Classification Using Gaussian Mutated JAYA Optimization Algorithm. Arabian Journal for Science and Engineering, 2021, 46, 8151-8170.	1.7	3
2993	Sensitivity analysis of parameters influencing the ice–seabed interaction in sand by using extreme learning machine. Natural Hazards, 2021, 106, 2307-2335.	1.6	19
2994	Soft sensor hybrid model of dynamic liquid level for sucker rod pump oil wells. Transactions of the Institute of Measurement and Control, 2021, 43, 1843-1857.	1.1	5
2995	Fast Approximation for Sparse Coding with Applications to Object Recognition. Sensors, 2021, 21, 1442.	2.1	5
2996	The potential of ensemble WT-EEMD-kernel extreme learning machine techniques for prediction suspended sediment concentration in successive points of a river. Journal of Hydroinformatics, 2021, 23, 655-670.	1.1	8
2997	Robust twin extreme learning machines with correntropy-based metric. Knowledge-Based Systems, 2021, 214, 106707.	4.0	5
2998	Double adaptive weights for stabilization of moth flame optimizer: Balance analysis, engineering cases, and medical diagnosis. Knowledge-Based Systems, 2021, 214, 106728.	4.0	144
2999	Improved Butterfly Optimizer-Configured Extreme Learning Machine for Fault Diagnosis. Complexity, 2021, 2021, 1-17.	0.9	13
3000	Influence of Data Splitting on Performance of Machine Learning Models in Prediction of Shear Strength of Soil. Mathematical Problems in Engineering, 2021, 2021, 1-15.	0.6	189
3001	Classification with ensembles and case study on functional magnetic resonance imaging. Digital Communications and Networks, 2022, 8, 80-86.	2.7	6
3002	Online sequential extreme learning machine with the increased classes. Computers and Electrical Engineering, 2021, 90, 107008.	3.0	3
3003	LL-ELM: A regularized extreme learning machine based on $L_{1}$ -norm and Liu estimator. Neural Computing and Applications, 2021, 33, 10469-10484.	3.2	12
3004	A novel partial discharge localization method for GIL based on the 3D optical signal irradiance fingerprint and baggingâ€KELM. IET Generation, Transmission and Distribution, 2021, 15, 2240-2249.	1.4	4
3005	K-Means clustering based Extreme Learning ANFIS with improved interpretability for regression problems. Knowledge-Based Systems, 2021, 215, 106750.	4.0	18

#	Article	IF	CITATIONS
3006	DCS-ELM: a novel method for extreme learning machine for regression problems and a new approach for the SFRSCC. PeerJ Computer Science, 2021, 7, e411.	2.7	7
3007	Systemic financial risk based on analytic hierarchy model and artificial intelligence system. Journal of Ambient Intelligence and Humanized Computing, $0$ , , $1$ .	3.3	2
3008	Suspended sediment load prediction in consecutive stations of river based on ensemble pre-post-processing kernel based approaches. Water Science and Technology: Water Supply, 2021, 21, 3370-3386.	1.0	6
3009	DEP-TSPmeta: a multiple criteria Dynamic Ensemble Pruning technique ad-hoc for time series prediction. International Journal of Machine Learning and Cybernetics, 2021, 12, 2213-2236.	2.3	6
3010	A Novel Analog Modulation Classification: Discrete Wavelet Transform-Extreme Learning Machine (DWT-ELM). Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, 0, , .	0.1	0
3011	Feature extraction and power quality event classification using Curvelet transform and optimized extreme learning machine. Electrical Engineering, 2021, 103, 2431-2446.	1.2	6
3012	Deep learning in electron microscopy. Machine Learning: Science and Technology, 2021, 2, 011004.	2.4	50
3013	Experimental analysis of machine learning methods for credit score classification. Progress in Artificial Intelligence, 2021, 10, 217-243.	1.5	12
3014	Label Rectification Learning through Kernel Extreme Learning Machine. Wireless Communications and Mobile Computing, 2021, 2021, 1-6.	0.8	3
3015	Next generation antivirus endowed with bitwise morphological extreme learning machines. Microprocessors and Microsystems, 2021, 81, 103724.	1.8	4
3016	Ultrafast and Accurate Temperature Extraction via Kernel Extreme Learning Machine for BOTDA Sensors. Journal of Lightwave Technology, 2021, 39, 1537-1543.	2.7	13
3017	Global convergence of Negative Correlation Extreme Learning Machine. Neural Processing Letters, 2021, 53, 2067-2080.	2.0	3
3018	A Carbon Price Prediction Model Based on the Secondary Decomposition Algorithm and Influencing Factors. Energies, 2021, 14, 1328.	1.6	33
3019	Uncertainty assessment of kernel based approaches on scour depth modeling in downstream of ski-jump bucket spillways. Water Science and Technology: Water Supply, 2021, 21, 2333-2346.	1.0	1
3020	Attributes based skin lesion detection and recognition: A mask RCNN and transfer learning-based deep learning framework. Pattern Recognition Letters, 2021, 143, 58-66.	2.6	142
3021	Distributed intrusion detection scheme using dual-axis dimensionality reduction for Internet of things (IoT). Journal of Supercomputing, 2021, 77, 10488-10511.	2.4	13
3022	Classifying multiclass imbalanced data using generalized class-specific extreme learning machine. Progress in Artificial Intelligence, 2021, 10, 259-281.	1.5	1
3023	Induction Motor Bearing Fault Classification Using Extreme Learning Machine Based on Power Features. Arabian Journal for Science and Engineering, 2021, 46, 8475-8491.	1.7	9

#	Article	IF	CITATIONS
3024	Merging multiple satellite-based precipitation products and gauge observations using a novel double machine learning approach. Journal of Hydrology, 2021, 594, 125969.	2.3	79
3025	Classification of different liquid milk by near-infrared spectroscopy and ensemble modeling. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 251, 119460.	2.0	12
3026	Selection of informative genes from high-dimensional cancerous data employing an improvised meta-heuristic algorithm. Evolutionary Intelligence, $0$ , $1$ .	2.3	0
3027	Concrete corrosion in wastewater systems: Prediction and sensitivity analysis using advanced extreme learning machine. Frontiers of Structural and Civil Engineering, 2021, 15, 444-460.	1.2	10
3028	Gradient local auto-correlation features for depth human action recognition. SN Applied Sciences, 2021, 3, 1.	1.5	12
3029	Underwater Acoustic Source Localization via Kernel Extreme Learning Machine. Frontiers in Physics, 2021, 9, .	1.0	3
3030	An automated lung cancer detection system based on machine learning algorithm. Journal of Intelligent and Fuzzy Systems, 2021, 40, 6355-6364.	0.8	4
3031	Improving performance: A collaborative strategy for the multi-data fusion of electronic nose and hyperspectral to track the quality difference of rice. Sensors and Actuators B: Chemical, 2021, 333, 129546.	4.0	34
3032	A Hybrid Method Based on Extreme Learning Machine and Wavelet Transform Denoising for Stock Prediction. Entropy, 2021, 23, 440.	1.1	25
3033	Use of spectral reflectance from a compact spectrometer to assess chlorophyll content in <i>Zizania latifolia</i> . Geocarto International, 2022, 37, 5363-5375.	1.7	8
3034	Densely connected convolutional extreme learning machine for hyperspectral image classification. Neurocomputing, 2021, 434, 21-32.	3.5	14
3035	Maximum power point tracking algorithm of PV system based on irradiance estimation and multi-Kernel extreme learning machine. Sustainable Energy Technologies and Assessments, 2021, 44, 101090.	1.7	11
3036	Random compact Gaussian kernel: Application to ELM classification and regression. Knowledge-Based Systems, 2021, 217, 106848.	4.0	12
3037	Research on a fault diagnosis method for rolling bearing based on improved multiscale range entropy and hierarchical prototype. Measurement Science and Technology, 2021, 32, 095003.	1.4	14
3038	Fast Approximation of Optimal Perturbed Long-Duration Impulsive Transfers via Artificial Neural Networks. IEEE Transactions on Aerospace and Electronic Systems, 2021, 57, 1123-1138.	2.6	6
3039	A Novel Stock Index Prediction Approach by Combining Extreme Learning Machine With Symbiosis Organisms Search Algorithm. International Journal of Social Ecology and Sustainable Development, 2021, 12, 21-47.	0.1	1
3040	Self-organizing fuzzy inference ensemble system for big streaming data classification. Knowledge-Based Systems, 2021, 218, 106870.	4.0	22
3041	Machine learning-based security-aware spatial modulation for heterogeneous radio-optical networks. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, .	1.0	3

#	Article	IF	CITATIONS
3042	Prediction of landslide displacement using multi-kernel extreme learning machine and maximum information coefficient based on variational mode decomposition: a case study in Shaanxi, China. Natural Hazards, 2021, 108, 925-946.	1.6	9
3043	Depression Recognition Method Based on Regional Homogeneity Features from Emotional Response fMRI Using Deep Convolutional Neural Network., 2021,,.		1
3044	Examination of the ECG signal classification technique DEA-ELM using deep convolutional neural network features. Multimedia Tools and Applications, 2021, 80, 24777-24800.	2.6	9
3045	Dam failure peak outflow prediction through GEP-SVM meta models and uncertainty analysis. Water Science and Technology: Water Supply, 2021, 21, 3387-3401.	1.0	4
3046	Intelligent fault analysis of transmission line using phasor measurement unit incorporating auto-reclosure protection scheme. SN Applied Sciences, 2021, 3, 1.	1.5	4
3047	Predicting flammability-leading properties for liquid aerosol safety via machine learning. Chemical Engineering Research and Design, 2021, 148, 1357-1366.	2.7	20
3048	DWE-IL: a new incremental learning algorithm for non-stationary time series prediction via dynamically weighting ensemble learning. Applied Intelligence, 2022, 52, 174-194.	3.3	11
3049	A hybrid framework for forecasting monthly reservoir inflow based on machine learning techniques with dynamic climate forecasts, satellite-based data, and climate phenomenon information. Stochastic Environmental Research and Risk Assessment, 2022, 36, 2353-2375.	1.9	17
3050	Semi-Supervised Classification via Hypergraph Convolutional Extreme Learning Machine. Applied Sciences (Switzerland), 2021, 11, 3867.	1.3	4
3051	Research on equipment fault detection based on boundary-based OCC-KELM., 2021, , .		O
3052	A hybrid method for short-term wind speed forecasting based on Bayesian optimization and error correction. Journal of Renewable and Sustainable Energy, 2021, 13, .	0.8	4
3053	A semi-supervised linear-nonlinear prediction system for tumbler strength of iron ore sintering process with imbalanced data in multiple working modes. Control Engineering Practice, 2021, 110, 104766.	3.2	5
3054	A review on extreme learning machine. Multimedia Tools and Applications, 2022, 81, 41611-41660.	2.6	143
3055	Extreme learning machine-based spherical harmonic for fast ionospheric delay modeling. Journal of Atmospheric and Solar-Terrestrial Physics, 2021, 216, 105590.	0.6	5
3056	Specific radar emitter identification based on two stage multiple kernel extreme learning machine. Electronics Letters, 2021, 57, 699-701.	0.5	2
3057	A Survey on Cyber Security IDS using ML Methods. , 2021, , .		3
3058	Comparative study of forecasting approaches in monthly streamflow series from Brazilian hydroelectric plants using Extreme Learning Machines and Box & Denkins models. Journal of Hydrology and Hydromechanics, 2021, 69, 180-195.	0.7	5
3059	A TOPSIS-ELM framework for stock index price movement prediction. Intelligent Decision Technologies, 2021, 15, 201-220.	0.6	4

#	Article	IF	CITATIONS
3060	Multifuse multilayer multikernel RVFLN+ of process modes decomposition and approximate entropy data from iEEG/sEEG signals for epileptic seizure recognition. Computers in Biology and Medicine, 2021, 132, 104299.	3.9	14
3061	Optimal kernel extreme learning machine model for predicting the fracture state and impact response of laminated glass panels. Thin-Walled Structures, 2021, 162, 107541.	2.7	12
3062	Design of Improved Version of Sigmoidal Function with Biases for Classification Task in ELM Domain. Journal of Soft Computing Paradigm, 2021, 3, 70-82.	2.9	67
3063	ELMx-based Channel Estimation for Massive MIMO Systems. , 2021, , .		0
3064	Predicting sperm production of young dairy bulls using collection history and management factors. Journal of Dairy Science, 2021, 104, 5817-5826.	1.4	3
3065	A Hybrid Gearbox Fault Diagnosis Method Based on GWO-VMD and DE-KELM. Applied Sciences (Switzerland), 2021, 11, 4996.	1.3	13
3066	Towards Characterizing and Developing Formation and Migration Cues in Seafloor Sand Waves on Topology, Morphology, Evolution from High-Resolution Mapping via Side-Scan Sonar in Autonomous Underwater Vehicles. Sensors, 2021, 21, 3283.	2.1	4
3067	Statistical Analysis and Machine Learning Prediction of Fog-Caused Low-Visibility Events at A-8 Motor-Road in Spain. Atmosphere, 2021, 12, 679.	1.0	14
3068	Comparison of hierarchical clustering based deformation prediction models for high arch dams during the initial operation period. Journal of Civil Structural Health Monitoring, 2021, 11, 897-914.	2.0	17
3069	A Novel Blind mmWave Channel Estimation Algorithm Based on ML-ELM. IEEE Communications Letters, 2021, 25, 1549-1553.	2.5	7
3070	Can Appliances Understand the Behavior of Elderly Via Machine Learning? A Feasibility Study. IEEE Internet of Things Journal, 2021, 8, 8343-8355.	5 <b>.</b> 5	6
3071	BCMM: A novel post-based augmentation representation for early rumour detection on social media. Pattern Recognition, 2021, 113, 107818.	5.1	16
3072	Machine learning based quantification of fuel-air equivalence ratio and pressure from laser-induced plasma spectroscopy. Optics Express, 2021, 29, 17902.	1.7	6
3073	Exploring multiobjective training in multiclass classification. Neurocomputing, 2021, 435, 307-320.	3.5	6
3074	High-emitter identification model establishment using weighted extreme learning machine and active sampling. Neurocomputing, 2021, 441, 79-91.	3.5	7
3075	Machinery Fault Detection Using Autoencoder and Online Sequential Extreme Learning Machine. , 2021, , .		2
3076	A novel liquefaction study for fine-grained soil using PCA-based hybrid soft computing models. Sadhana - Academy Proceedings in Engineering Sciences, 2021, 46, 1.	0.8	40
3077	Short-term photovoltaic power prediction on modal reconstruction: A novel hybrid model approach. Sustainable Energy Technologies and Assessments, 2021, 45, 101048.	1.7	20

#	Article	IF	CITATIONS
3078	Comparing Three Machine Learning Techniques for Building Extraction from a Digital Surface Model. Applied Sciences (Switzerland), 2021, 11, 6072.	1.3	3
3079	A workflow to address pitfalls and challenges in applying machine learning models to hydrology. Advances in Water Resources, 2021, 152, 103920.	1.7	18
3080	Prediction on Mechanical Properties of Non-Equiatomic High-Entropy Alloy by Atomistic Simulation and Machine Learning. Metals, 2021, 11, 922.	1.0	24
3081	Optimization of weights in ELM for face recognition. Journal of Information and Optimization Sciences, 2021, 42, 1337-1352.	0.2	0
3082	Extreme Learning Machine and AdaBoost-Based Localization Using CSI and RSSI. IEEE Communications Letters, 2021, 25, 1906-1910.	2.5	14
3083	Hydro-power production capacity prediction based on machine learning regression techniques. Knowledge-Based Systems, 2021, 222, 107012.	4.0	22
3084	Extreme Learning Machine for Automatic Language Identification Utilizing Emotion Speech Data. , 2021, , .		4
3085	An improved elephant herding optimization using sine–cosine mechanism and opposition based learning for global optimization problems. Expert Systems With Applications, 2021, 172, 114607.	4.4	38
3086	Handwriting features based detection of fake signatures. , 2021, , .		5
3087	Soil Nutrient Estimation and Mapping in Farmland Based on UAV Imaging Spectrometry. Sensors, 2021, 21, 3919.	2.1	9
3088	Rapid and accurate modeling of PV modules based on extreme learning machine and large datasets of I-V curves. Applied Energy, 2021, 292, 116929.	5.1	40
3089	Integration of machine learning classifiers and higher order tensors for screening the optimal recipe of filter media in stormwater treatment. Science of the Total Environment, 2021, 771, 145423.	3.9	5
3090	A hybrid support vector regression with multi-domain features for low-velocity impact localization on composite plate structure. Mechanical Systems and Signal Processing, 2021, 154, 107547.	4.4	21
3091	An Automatic Source Code Vulnerability Detection Approach Based on KELM. Security and Communication Networks, 2021, 2021, 1-12.	1.0	8
3092	Reduce Training Error of Extreme Learning Machine by Selecting Appropriate Hidden Layer Output Matrix. Journal of Systems Science and Systems Engineering, 2021, 30, 552.	0.8	1
3093	RGB-D based human action recognition using evolutionary self-adaptive extreme learning machine with knowledge-based control parameters. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 939-957.	3.3	7
3094	A novel hybrid method based on KELM with SAPSO for fault diagnosis of rolling bearing under variable operating conditions. Measurement: Journal of the International Measurement Confederation, 2021, 177, 109276.	2.5	25
3095	Wireless channel prediction using ensemble of Extreme Learning Machines., 2021,,.		O

#	Article	IF	CITATIONS
3096	Discrimination of Fresh Tobacco Leaves with Different Maturity Levels by Near-Infrared (NIR) Spectroscopy and Deep Learning. Journal of Analytical Methods in Chemistry, 2021, 2021, 1-11.	0.7	18
3097	Large-dimensional random matrix theory and its applications in deep learning and wireless communications. Random Matrices: Theory and Application, 2021, 10, .	0.5	4
3098	Multiscale Context-Aware Ensemble Deep KELM for Efficient Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5114-5130.	2.7	21
3100	A hybrid intelligent busbar protection strategy using hyperbolic Sâ€transforms and extreme learning machines. Engineering Reports, 0, , e12438.	0.9	0
3101	Regularized neuro-fuzzy AI model to aid score management in Online distance learning forums. , 2021, ,		0
3102	Motor imagery EEG signal classification using upper triangle filter bank auto-encode method. Biomedical Signal Processing and Control, 2021, 68, 102608.	3.5	7
3103	Molecular dynamics simulation and machine learning of mechanical response in non-equiatomic FeCrNiCoMn high-entropy alloy. Journal of Materials Research and Technology, 2021, 13, 2043-2054.	2.6	32
3104	Generalized Oppositional Moth Flame Optimization with Crossover Strategy: An Approach for Medical Diagnosis. Journal of Bionic Engineering, 2021, 18, 991-1010.	2.7	12
3105	Photonic extreme learning machine by free-space optical propagation. Photonics Research, 2021, 9, 1446.	3.4	43
3106	Estimation of remaining fatigue life under two-step loading based on kernel-extreme learning machine. International Journal of Fatigue, 2021, 148, 106190.	2.8	24
3107	Fast SAR Autofocus Based on Ensemble Convolutional Extreme Learning Machine. Remote Sensing, 2021, 13, 2683.	1.8	16
3108	Mel-Frequency Cepstral Coefficient Features Based on Standard Deviation and Principal Component Analysis for Language Identification Systems. Cognitive Computation, 2021, 13, 1136-1153.	3.6	17
3109	Combining dynamic <scp>XFEM</scp> with machine learning for detection of multiple flaws. International Journal for Numerical Methods in Engineering, 2021, 122, 6253-6282.	1.5	10
3110	A Novel Deep Learning based Gated Recurrent Unit with Extreme Learning Machine for Electrocardiogram (ECG) Signal Recognition. Biomedical Signal Processing and Control, 2021, 68, 102779.	3.5	19
3111	A Design of Extreme Learning Machine Based Receiver for 2×2 MIMO-OFDM System. , 2021, , .		3
3112	Training redefinition with entropy-based structure set density for supervised hyperspectral imagery classification. International Journal of Remote Sensing, 2021, 42, 6785-6817.	1.3	0
3113	The equipment detection and localization of large-scale construction jobsite by far-field construction surveillance video based on improving YOLOv3 and grey wolf optimizer improving extreme learning machine. Construction and Building Materials, 2021, 291, 123268.	3.2	15
3114	An efficient alpha seeding method for optimized extreme learning machine-based feature selection algorithm. Computers in Biology and Medicine, 2021, 134, 104505.	3.9	12

#	Article	IF	CITATIONS
3115	Classification of ECG signals using multi-cumulants based evolutionary hybrid classifier. Scientific Reports, 2021, 11, 15092.	1.6	10
3116	Intelligent Proximate Analysis of Coal Based on Near-Infrared Spectroscopy. Journal of Applied Spectroscopy, 2021, 88, 645-652.	0.3	12
3117	Data-Driven Approach for Rainfall-Runoff Modelling Using Equilibrium Optimizer Coupled Extreme Learning Machine and Deep Neural Network. Applied Sciences (Switzerland), 2021, 11, 6238.	1.3	20
3118	A novel improved Harris Hawks optimization algorithm coupled with ELM for predicting permeability of tight carbonates. Engineering With Computers, 2022, 38, 4323-4346.	3.5	24
3119	Non-iterative online sequential learning strategy for autoencoder and classifier. Neural Computing and Applications, $0$ , , $1$ .	3.2	3
3120	Uncertain Interval Forecasting for Combined Electricity-Heat-Cooling-Gas Loads in the Integrated Energy System Based on Multi-Task Learning and Multi-Kernel Extreme Learning Machine. Mathematics, 2021, 9, 1645.	1.1	9
3121	Deterministic multikernel extreme learning machine with fuzzy feature extraction for pattern classification. Multimedia Tools and Applications, 2021, 80, 32423-32447.	2.6	8
3122	Co-Trained Random Vector Functional Link Network. , 2021, , .		2
3123	A new approach for computer-aided detection of coronavirus (COVID-19) from CT and X-ray images using machine learning methods. Applied Soft Computing Journal, 2021, 105, 107323.	4.1	87
3124	ELM Network Intrusion Detection Model Based on SLPP Feature Extraction. , 2021, , .		0
3125	Asynchronous Decentralized Learning of Randomization-Based Neural Networks. , 2021, , .		1
3126	Hydraulic Performance of PK Weirs Based on Experimental Study and Kernel-based Modeling. Water Resources Management, 2021, 35, 3571-3592.	1.9	17
3127	Operating Reserve Quantification Using Prediction Intervals of Wind Power: An Integrated Probabilistic Forecasting and Decision Methodology. IEEE Transactions on Power Systems, 2021, 36, 3701-3714.	4.6	45
3128	Broad learning system for semi-supervised learning. Neurocomputing, 2021, 444, 38-47.	3.5	18
3129	Determination of bubble point pressure & Determination volume factor of crude oils applying multiple hidden layers extreme learning machine algorithms. Journal of Petroleum Science and Engineering, 2021, 202, 108425.	2.1	37
3130	Robust Multi-Step Predictor for Electricity Markets with Real-Time Pricing. Energies, 2021, 14, 4378.	1.6	7
3131	Developing an Extreme Learning Machine-Based Model for Estimating the Isothermal Compressibility of Biodiesel. International Journal of Chemical Engineering, 2021, 2021, 1-7.	1.4	2
3132	Automated detection of muscle fatigue conditions from cyclostationary based geometric features of surface electromyography signals. Computer Methods in Biomechanics and Biomedical Engineering, 2021, , 1-13.	0.9	4

#	Article	IF	Citations
3133	Objective rating of fabric wrinkles via random vector functional link based on the improved salp swarm algorithm. Textile Reseach Journal, 2022, 92, 70-90.	1.1	4
3134	A Combination Interval Prediction Model Based on Biased Convex Cost Function and Auto-Encoder in Solar Power Prediction. IEEE Transactions on Sustainable Energy, 2021, 12, 1561-1570.	5.9	17
3135	Multiclass diagnosis of stages of Alzheimer's disease using linear discriminant analysis scoring for multimodal data. Computers in Biology and Medicine, 2021, 134, 104478.	3.9	28
3136	Effective forecasting of stock market price by using extreme learning machine optimized by PSO-based group oriented crow search algorithm. Neural Computing and Applications, 2022, 34, 555-591.	3.2	15
3137	A machine learning approach to estimate magnetorheological suspension composition based on magnetic field dependent-rheological properties. Smart Materials and Structures, 2021, 30, 105013.	1.8	4
3138	Classification of Microscopic Laser Engraving Surface Defect Images Based on Transfer Learning Method. Electronics (Switzerland), 2021, 10, 1993.	1.8	1
3139	Soil Erosion Prediction Based on Moth-Flame Optimizer-Evolved Kernel Extreme Learning Machine. Electronics (Switzerland), 2021, 10, 2115.	1.8	3
3140	Kernel risk-sensitive mean p-power error based robust extreme learning machine for classification. International Journal of Machine Learning and Cybernetics, 2022, 13, 199-216.	2.3	1
3141	Adaptive Online Sequential Extreme Learning Machine with Kernels for Online Ship Power Prediction. Energies, 2021, 14, 5371.	1.6	2
3142	Cooperative classification method for multi-fault diagnosis of machinery based on parameterized wavelet kernel extreme learning and sparse representation. Measurement Science and Technology, 2021, 32, 115903.	1.4	4
3143	Minimum error entropy criterionâ€based randomised autoencoder. Cognitive Computation and Systems, 0, , .	0.8	3
3144	Study of the Optimal Waveforms for Non-Destructive Spectral Analysis of Aqueous Solutions by Means of Audible Sound and Optimization Algorithms. Applied Sciences (Switzerland), 2021, 11, 7301.	1.3	2
3145	EEG-based motor imagery classification using digraph Fourier transforms and extreme learning machines. Biomedical Signal Processing and Control, 2021, 69, 102831.	3.5	12
3146	A multi-granularity locally optimal prototype-based approach for classification. Information Sciences, 2021, 569, 157-183.	4.0	12
3147	A systematic literature review on machine learning applications for consumer sentiment analysis using online reviews. Computer Science Review, 2021, 41, 100413.	10.2	117
3148	Implementing PSO-ELM Model to Approximate Trolox Equivalent Antioxidant Capacity as One of the Most Important Biological Properties of Food. BioMed Research International, 2021, 2021, 1-7.	0.9	4
3149	Multi-resolution SVD, Linear Regression, and Extreme Learning Machine for Traffic Accidents Forecasting with Climatic Variable. Lecture Notes in Networks and Systems, 2022, , 501-517.	0.5	0
3150	A novel approach to gas turbine fault diagnosis based on learning of fault characteristic maps using hybrid residual compensation extreme learning machine-growing neural gas model. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	0.8	5

#	Article	IF	CITATIONS
3151	Data-driven reliability assessment method of Integrated Energy Systems based on probabilistic deep learning and Gaussian mixture Model-Hidden Markov Model. Renewable Energy, 2021, 174, 952-970.	4.3	27
3152	Cholesky Factorization Based Online Sequential Multiple Kernel Extreme Learning Machine Algorithm for a Cement Clinker Free Lime Content Prediction Model. Processes, 2021, 9, 1540.	1.3	1
3153	Localization of low velocity impacts on CFRP laminates based on FBG sensors and BP neural networks. Mechanics of Advanced Materials and Structures, 2022, 29, 5478-5487.	1.5	10
3154	Evaluation of Several Machine Learning Models for Field Canal Improvement Project Cost Prediction. Complexity, 2021, 2021, 1-12.	0.9	4
3155	Neighboring Discriminant Component Analysis for Asteroid Spectrum Classification. Remote Sensing, 2021, 13, 3306.	1.8	5
3156	Evolutionary warning system for COVID-19 severity: Colony predation algorithm enhanced extreme learning machine. Computers in Biology and Medicine, 2021, 136, 104698.	3.9	52
3157	Blood glucose concentration prediction based on VMD-KELM-AdaBoost. Medical and Biological Engineering and Computing, 2021, 59, 2219-2235.	1.6	9
3158	A local dynamic extreme learning machine based iterative learning control of nonlinear batch process. Optimal Control Applications and Methods, 2022, 43, 257-282.	1.3	5
3159	Wind speed forecasting based on multi-objective grey wolf optimisation algorithm, weighted information criterion, and wind energy conversion system: A case study in Eastern China. Energy Conversion and Management, 2021, 243, 114402.	4.4	39
3160	Data-driven hybrid petri-net based energy consumption behaviour modelling for digital twin of energy-efficient manufacturing system. Energy, 2022, 239, 122178.	4.5	36
3161	Evaluation of Water Quality Based on a Machine Learning Algorithm and Water Quality Index for Mid Gangetic Region (South Bihar plain), India. Journal of the Geological Society of India, 2021, 97, 1063-1072.	0.5	8
3162	Solar Irradiance Prediction with Machine Learning Algorithms: A Brazilian Case Study on Photovoltaic Electricity Generation. Energies, 2021, 14, 5657.	1.6	11
3163	An Extra Tree Regression Model for Discharge Coefficient Prediction: Novel, Practical Applications in the Hydraulic Sector and Future Research Directions. Mathematical Problems in Engineering, 2021, 2021, 1-19.	0.6	28
3164	Kernel Risk-Sensitive Loss based Hyper-graph Regularized Robust Extreme Learning Machine and Its Semi-supervised Extension for Classification. Knowledge-Based Systems, 2021, 227, 107226.	4.0	7
3165	Fast machine learning-based extraction of the peak number from ICESat full-waveform data. Remote Sensing Letters, 2021, 12, 1004-1014.	0.6	0
3166	The generalized extreme learning machines: Tuning hyperparameters and limiting approach for the Moore–Penrose generalized inverse. Neural Networks, 2021, 144, 591-602.	3.3	9
3167	Carbon price forecasting system based on error correction and divide-conquer strategies. Applied Soft Computing Journal, 2022, 118, 107935.	4.1	58
3168	Online Video Popularity Regression Prediction Model with Multichannel Dynamic Scheduling Based on User Behavior. Chinese Journal of Electronics, 2021, 30, 876-884.	0.7	4

#	Article	IF	CITATIONS
3169	Minimum class variance class-specific extreme learning machine for imbalanced classification. Expert Systems With Applications, 2021, 178, 114994.	4.4	3
3170	Neuromorphic extreme learning machines with bimodal memristive synapses. Neurocomputing, 2021, 453, 38-49.	3 <b>.</b> 5	25
3171	Design of a combined system based on two-stage data preprocessing and multi-objective optimization for wind speed prediction. Energy, 2021, 231, 121125.	4.5	38
3172	A data fusion based data aggregation and sensing technique for fault detection in wireless sensor networks. Computing (Vienna/New York), 2021, 103, 2597-2618.	3.2	7
3173	Research on a small sample fault diagnosis method for a high-pressure common rail system. Advances in Mechanical Engineering, 2021, 13, 168781402110461.	0.8	9
3174	Real-time epileptic seizure recognition using Bayesian genetic whale optimizer and adaptive machine learning. Future Generation Computer Systems, 2022, 127, 426-434.	4.9	38
3175	Modelling the performance of EPB shield tunnelling using machine and deep learning algorithms. Geoscience Frontiers, 2021, 12, 101177.	4.3	59
3176	Approximation of Permanent Magnet Motor Flux Distribution by Partially Informed Neural Networks. Energies, 2021, 14, 5619.	1.6	0
3177	Online-Semisupervised Neural Anomaly Detector to Identify MQTT-Based Attacks in Real Time. Security and Communication Networks, 2021, 2021, 1-11.	1.0	2
3178	Predictive model for progressive salinization in a coastal aquifer using artificial intelligence and hydrogeochemical techniques: a case study of the Nile Delta aquifer, Egypt. Environmental Science and Pollution Research, 2022, 29, 9318-9340.	2.7	20
3179	Wavelet Packet Transform-Assisted Least Squares Support Vector Machine for Gear Wear Degree Diagnosis. Mathematical Problems in Engineering, 2021, 2021, 1-9.	0.6	4
3180	Negative Correlation Hidden Layer for the Extreme Learning Machine. Applied Soft Computing Journal, 2021, 109, 107482.	4.1	4
3181	Dimension Reduction Using New Bond Graph Algorithm and Deep Learning Pooling on EEG Signals for BCI. Applied Sciences (Switzerland), 2021, 11, 8761.	1.3	3
3182	Robust extreme learning machine neural approach for uncertain nonlinear hyperâ€chaotic system identification. International Journal of Robust and Nonlinear Control, 2021, 31, 9127-9148.	2.1	4
3183	Unifying information theory and machine learning in a model of electrode discrimination in cochlear implants. PLoS ONE, 2021, 16, e0257568.	1.1	2
3184	Prediction of flyrock induced by mine blasting using a novel kernel-based extreme learning machine. Journal of Rock Mechanics and Geotechnical Engineering, 2021, 13, 1438-1451.	3.7	41
3185	Fast discrete curvelet transform and modified PSO based improved evolutionary extreme learning machine for breast cancer detection. Biomedical Signal Processing and Control, 2021, 70, 102919.	3.5	29
3186	Application of an extreme learning machine network with particle swarm optimization in syndrome classification of primary liver cancer. Journal of Integrative Medicine, 2021, 19, 395-407.	1.4	15

#	Article	IF	Citations
3187	Software defect prediction based on enhanced metaheuristic feature selection optimization and a hybrid deep neural network. Journal of Systems and Software, 2021, 180, 111026.	3.3	45
3188	Forecasting residential electricity consumption using a hybrid machine learning model with online search data. Applied Energy, 2021, 300, 117393.	5.1	25
3189	Double constrained bag of words for human action recognition. Signal Processing: Image Communication, 2021, 98, 116399.	1.8	4
3190	Error-feedback stochastic modeling strategy for time series forecasting with convolutional neural networks. Neurocomputing, 2021, 459, 234-248.	3.5	10
3191	A maximal overlap discrete wavelet packet transform integrated approach for rainfall forecasting – A case study in the Awash River Basin (Ethiopia). Environmental Modelling and Software, 2021, 144, 105119.	1.9	23
3192	Extreme Learning Machine for Accurate Indoor Localization Using RSSI Fingerprints in Multifloor Environments. IEEE Internet of Things Journal, 2021, 8, 14623-14637.	5.5	15
3193	A novel machine learning approach for breast cancer diagnosis. Measurement: Journal of the International Measurement Confederation, 2022, 187, 110233.	2.5	22
3194	Extreme learning machine for multivariate reservoir characterization. Journal of Petroleum Science and Engineering, 2021, 205, 108869.	2.1	21
3195	Scalable and memory-efficient sparse learning for classification with approximate Bayesian regularization priors. Neurocomputing, 2021, 457, 106-116.	3.5	2
3196	Leakage detection of low-pressure gas distribution pipeline system based on linear fitting and extreme learning machine. International Journal of Pressure Vessels and Piping, 2021, 194, 104553.	1.2	15
3197	Proposing two novel hybrid intelligence models for forecasting copper price based on extreme learning machine and meta-heuristic algorithms. Resources Policy, 2021, 73, 102195.	4.2	28
3198	Improvement of Image Classification by Multiple Optical Scattering. IEEE Photonics Journal, 2021, 13, 1-5.	1.0	6
3199	Gaussian bareâ€bones gradientâ€based optimization: Towards mitigating the performance concerns. International Journal of Intelligent Systems, 2022, 37, 3193-3254.	3.3	9
3200	Minimum variance-embedded kernelized extension of extreme learning machine for imbalance learning. Pattern Recognition, 2021, 119, 108069.	5.1	4
3201	Temperature field estimation of an axisymmetric laminar flame via time-of-arrival measurements of acoustic waves, and machine learning. Experimental Thermal and Fluid Science, 2021, 129, 110454.	1.5	10
3202	Graph-based broad learning system for classification. Neurocomputing, 2021, 463, 535-544.	3.5	6
3203	Hourly PM2.5 concentration multi-step forecasting method based on extreme learning machine, boosting algorithm and error correction model., 2021, 118, 103221.		20
3204	Hybrid machine learning algorithms to predict condensate viscosity in the near wellbore regions of gas condensate reservoirs. Journal of Natural Gas Science and Engineering, 2021, 95, 104210.	2.1	23

#	Article	IF	CITATIONS
3205	Broad learning system with manifold regularized sparse features for semi-supervised classification. Neurocomputing, 2021, 463, 133-143.	3.5	11
3206	A neighborhood information utilization fireworks algorithm and its application to traffic flow prediction. Expert Systems With Applications, 2021, 183, 115189.	4.4	13
3207	Deterministic Multi-kernel based extreme learning machine for pattern classification. Expert Systems With Applications, 2021, 183, 115308.	4.4	16
3208	Prediction of Maximum Scour Depth near Spur Dikes in Uniform Bed Sediment Using Stacked Generalization Ensemble Tree-Based Frameworks. Journal of Irrigation and Drainage Engineering - ASCE, 2021, 147, .	0.6	38
3209	A novel adaptive weighted kernel extreme learning machine algorithm and its application in wind turbine blade icing fault detection. Measurement: Journal of the International Measurement Confederation, 2021, 185, 110009.	2.5	30
3210	Evaluation of ice-seabed interaction mechanism in sand by using self-adaptive evolutionary extreme learning machine. Ocean Engineering, 2021, 239, 109795.	1.9	7
3211	Diagnosis of COVID-19, vitality of emerging technologies and preventive measures. Chemical Engineering Journal, 2021, 423, 130189.	6.6	38
3212	Active learning with extreme learning machine for online imbalanced multiclass classification. Knowledge-Based Systems, 2021, 231, 107385.	4.0	13
3213	Basketball shooting angle calculation and analysis by deeply-learned vision model. Future Generation Computer Systems, 2021, 125, 949-953.	4.9	9
3214	Using enhanced crow search algorithm optimization-extreme learning machine model to forecast short-term wind power. Expert Systems With Applications, 2021, 184, 115579.	4.4	56
3215	Enhanced Harris hawks optimization with multi-strategy for global optimization tasks. Expert Systems With Applications, 2021, 185, 115499.	4.4	42
3216	A Transferrable Data-Driven Method for IGBT Open-Circuit Fault Diagnosis in Three-Phase Inverters. IEEE Transactions on Power Electronics, 2021, 36, 13478-13488.	5.4	37
3217	Hierarchical polynomial-based fuzzy neural networks driven with the aid of hybrid network architecture and ranking-based neuron selection strategies. Applied Soft Computing Journal, 2021, 113, 107865.	4.1	7
3218	Incremental semi-supervised Extreme Learning Machine for Mixed data stream classification. Expert Systems With Applications, 2021, 185, 115591.	4.4	16
3219	Research and application of neural network for tread wear prediction and optimization. Mechanical Systems and Signal Processing, 2022, 162, 108070.	4.4	11
3220	Soluble solid content and firmness index assessment and maturity discrimination of Malus micromalus Makino based on near-infrared hyperspectral imaging. Food Chemistry, 2022, 370, 131013.	4.2	26
3221	Creating synthetic minority class samples based on autoencoder extreme learning machine. Pattern Recognition, 2022, 121, 108191.	5.1	10
3222	Feature Extraction Using Multitask Superpixel Auxiliary Learning for Hyperspectral Classification. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-16.	2.4	10

#	Article	IF	CITATIONS
3223	Improved email classification through enhanced data preprocessing approach. Spatial Information Research, 2021, 29, 247-255.	1.3	4
3224	A Link Quality Estimation Method Based on Improved Weighted Extreme Learning Machine. IEEE Access, 2021, 9, 11378-11392.	2.6	6
3225	nQSV-Net: a novel queuing search variant for global space search and workload modeling. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 27-46.	3.3	6
3226	Randomized Neural Networks Based Decentralized Multi-Task Learning via Hybrid Multi-Block ADMM. IEEE Transactions on Signal Processing, 2021, 69, 2844-2857.	3.2	4
3227	Performance Analysis of K-ELM Classifiers with the State-of-Art Classifiers for Human Action Recognition. Lecture Notes in Networks and Systems, 2021, , 349-364.	0.5	0
3228	Spatial Peak-Aware Collaborative Representation for Hyperspectral Imagery Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	13
3229	Incremental Novelty Identification From Initially One-Class Learning to Unknown Abnormality Classification. IEEE Transactions on Industrial Electronics, 2022, 69, 7394-7404.	5.2	18
3230	Feature Extraction for Data-Driven Remaining Useful Life Prediction of Rolling Bearings. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	2.4	70
3231	Automated Detection of Normal and Cardiac Heart Disease Using Chaos Attributes and Online Sequential Extreme Learning Machine. Health Information Science, 2021, , 213-234.	0.3	0
3232	Design and implementation of the data prediction model based on PSO-ELM. , 2021, , .		1
3233	Neural Networks Regularization With Graph-Based Local Resampling. IEEE Access, 2021, 9, 50727-50737.	2.6	4
3234	Health status identification of catenary based on VMD and FA-ELM. Journal of Algorithms and Computational Technology, 2021, 15, 174830262110248.	0.4	2
3235	Arabic Handwritten Recognition System Using Deep Convolutional Neural Networks. Advances in Intelligent Systems and Computing, 2021, , 610-620.	0.5	0
3236	A Multiobjective Evolutionary Nonlinear Ensemble Learning With Evolutionary Feature Selection for Silicon Prediction in Blast Furnace. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2080-2093.	7.2	38
3237	Progressive Ensemble Kernel-Based Broad Learning System for Noisy Data Classification. IEEE Transactions on Cybernetics, 2022, 52, 9656-9669.	6.2	13
3238	Fabric wrinkle evaluation model with regularized extreme learning machine based on improved Harris Hawks optimization. Journal of the Textile Institute, 2022, 113, 199-211.	1.0	13
3239	Precise Burden Charging Operation During Iron-Making Process in Blast Furnace. IEEE Access, 2021, 9, 45655-45667.	2.6	6
3240	A Hierarchical Data-Driven Method for Event-Based Load Shedding Against Fault-Induced Delayed Voltage Recovery in Power Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 699-709.	7.2	43

#	Article	IF	CITATIONS
3241	An Inverse-Free and Scalable Sparse Bayesian Extreme Learning Machine for Classification Problems. IEEE Access, 2021, 9, 87543-87551.	2.6	1
3242	Crude oil prices and volatility prediction by a hybrid model based on kernel extreme learning machine. Mathematical Biosciences and Engineering, 2021, 18, 8096-8122.	1.0	8
3243	Using artificial neural networks of the type extreme learning machine for the modelling and prediction of the temperature in the head the column. Case of a C6H11-CH3 distillation column. Materials Today: Proceedings, 2021, 45, 7444-7449.	0.9	2
3244	Hybrid Method Based on Random Convolution Nodes for Short-Term Wind Speed Forecasting. IEEE Transactions on Industrial Informatics, 2022, 18, 7019-7029.	7.2	6
3245	Facial Expression Recognition Using Dynamic Local Ternary Patterns With Kernel Extreme Learning Machine Classifier. IEEE Access, 2021, 9, 120844-120868.	2.6	13
3246	Surrogate-Assisted Optimization of a Five-Phase SPM Machine With Quasi-Trapezoidal PMs. IEEE Transactions on Industrial Electronics, 2022, 69, 202-212.	5.2	13
3247	Multi-Objective Genetic Algorithm for Optimizing an ELM-Based Driver Distraction Detection System. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11946-11959.	4.7	2
3248	Extreme Learning Machine (ELM) for Fast User Clustering in Downlink Non-Orthogonal Multiple Access (NOMA) 5G Networks. IEEE Access, 2021, 9, 130884-130894.	2.6	5
3249	Model of Improved a Kernel Fast Learning Network Based on Intrusion Detection System. Advances in Intelligent Systems and Computing, 2019, , 146-157.	0.5	1
3250	Deformable Surface Registration with Extreme Learning Machines. Proceedings in Adaptation, Learning and Optimization, 2019, , 304-316.	1.5	4
3251	Multiple Classifier System for Remote Sensing Images Classification. Lecture Notes in Computer Science, 2018, , 491-501.	1.0	1
3252	An Improved Extreme Learning Machine Tuning by Flower Pollination Algorithm. Studies in Computational Intelligence, 2020, , 95-112.	0.7	1
3254	An Interpretable Machine Learning Model for Human Fall Detection Systems Using Hybrid Intelligent Models. Studies in Systems, Decision and Control, 2020, , 181-205.	0.8	5
3255	Minimum Variance Embedded Random Vector Functional Link Network. Communications in Computer and Information Science, 2020, , 412-419.	0.4	10
3256	Reduced Kernel Extreme Learning Machine. Advances in Intelligent Systems and Computing, 2013, , 63-69.	0.5	18
3257	Extreme Learning Machine Approach for On-Line Voltage Stability Assessment. Lecture Notes in Computer Science, 2013, , 397-405.	1.0	7
3259	Freshwater Algal Bloom Prediction by Extreme Learning Machine in Macau Storage Reservoirs. Adaptation, Learning, and Optimization, 2014, , 95-111.	0.5	5
3260	Multi-view Regularized Extreme Learning Machine for Human Action Recognition. Lecture Notes in Computer Science, 2014, , 84-94.	1.0	4

#	Article	IF	CITATIONS
3261	A Kernel ELM Classifier for High-Resolution Remotely Sensed Imagery Based on Multiple Features. Lecture Notes in Computer Science, 2014, , 270-277.	1.0	1
3262	A Dynamic Generation Approach for Ensemble of Extreme Learning Machines. Lecture Notes in Computer Science, 2014, , 294-302.	1.0	5
3263	Adaptive Wavelet Extreme Learning Machine (AW-ELM) for Index Finger Recognition Using Two-Channel Electromyography. Lecture Notes in Computer Science, 2014, , 471-478.	1.0	5
3264	Extreme Learning Machine for Active RFID Location Classification. Proceedings in Adaptation, Learning and Optimization, 2015, , 657-670.	1.5	3
3265	Domain Adaptation Transfer Extreme Learning Machines. Proceedings in Adaptation, Learning and Optimization, 2015, , 103-119.	1.5	10
3267	A Fast Incremental Method Based on Regularized Extreme Learning Machine. Proceedings in Adaptation, Learning and Optimization, 2015, , 15-30.	1.5	4
3269	Parallel Ensemble of Online Sequential Extreme Learning Machine Based on MapReduce. Proceedings in Adaptation, Learning and Optimization, 2015, , 31-40.	1.5	4
3270	Applying Regularization Least Squares Canonical Correlation Analysis in Extreme Learning Machine for Multi-label Classification Problems. Proceedings in Adaptation, Learning and Optimization, 2015, , 377-396.	1.5	1
3271	Effects of Training Datasets on Both the Extreme Learning Machine and Support Vector Machine for Target Audience Identification on Twitter. Proceedings in Adaptation, Learning and Optimization, 2015, 417-434.	1.5	5
3272	Inductive Bias for Semi-supervised Extreme Learning Machine. Proceedings in Adaptation, Learning and Optimization, 2015, , 61-70.	1.5	4
3273	Sample-Based Extreme Learning Machine Regression with Absent Data. Proceedings in Adaptation, Learning and Optimization, 2015, , 81-90.	1.5	1
3274	An Improved ELM Algorithm Based on PCA Technique. Proceedings in Adaptation, Learning and Optimization, 2015, , 95-104.	1.5	5
3275	Leveraging Two-Stage Weighted ELM for Multimodal Wearables Based Fall Detection. Proceedings in Adaptation, Learning and Optimization, 2015, , 161-168.	1.5	7
3276	Multi-class AdaBoost ELM. Proceedings in Adaptation, Learning and Optimization, 2015, , 179-188.	1.5	5
3277	ELM Based Dynamic Modeling for Online Prediction of Molten Iron Silicon Content in Blast Furnace. Proceedings in Adaptation, Learning and Optimization, 2015, , 267-277.	1.5	2
3278	Melasma Image Segmentation Using Extreme Learning Machine. Proceedings in Adaptation, Learning and Optimization, 2015, , 369-377.	1.5	5
3279	Detection of Drivers' Distraction Using Semi-Supervised Extreme Learning Machine. Proceedings in Adaptation, Learning and Optimization, 2015, , 379-387.	1.5	12
3280	Driver Workload Detection in On-Road Driving Environment Using Machine Learning. Proceedings in Adaptation, Learning and Optimization, 2015, , 389-398.	1.5	12

#	Article	IF	Citations
3281	Map Matching for Taxi GPS Data with Extreme Learning Machine. Lecture Notes in Computer Science, 2014, , 447-460.	1.0	3
3282	A Heterogeneous Multi-Task Learning forÂPredicting RBC Transfusion and Perioperative Outcomes. Lecture Notes in Computer Science, 2015, , 287-297.	1.0	3
3284	Using Machine Learning Techniques for the Automatic Detection of Arterial Wall Layers in Carotid Ultrasounds. Advances in Intelligent Systems and Computing, 2015, , 193-201.	0.5	2
3286	SenticNet., 2015,, 23-71.		15
3287	Traffic Sign Recognition Using Deep Convolutional Networks and Extreme Learning Machine. Lecture Notes in Computer Science, 2015, , 272-280.	1.0	49
3288	Extreme Learning Machine as a Function Approximator: Initialization of Input Weights and Biases. Advances in Intelligent Systems and Computing, 2016, , 59-69.	0.5	8
3289	Soil Property Prediction: An Extreme Learning Machine Approach. Lecture Notes in Computer Science, 2015, , 18-27.	1.0	5
3291	ELMVIS+: Improved Nonlinear Visualization Technique Using Cosine Distance and Extreme Learning Machines. Proceedings in Adaptation, Learning and Optimization, 2016, , 357-369.	1.5	5
3292	An Adaptive Online Sequential Extreme Learning Machine for Real-Time Tidal Level Prediction. Proceedings in Adaptation, Learning and Optimization, 2016, , 55-66.	1.5	1
3293	Kernel Based Semi-supervised Extreme Learning Machine and the Application in Traffic Congestion Evaluation. Proceedings in Adaptation, Learning and Optimization, 2016, , 227-236.	1.5	5
3294	Intelligent Energy Conservation: Indoor Temperature Forecasting with Extreme Learning Machine. Advances in Intelligent Systems and Computing, 2016, , 977-988.	0.5	8
3295	Combining Deep Facial and Ambient Features for First Impression Estimation. Lecture Notes in Computer Science, 2016, , 372-385.	1.0	23
3296	Multi-layered Gesture Recognition with Kinect. The Springer Series on Challenges in Machine Learning, 2017, , 387-416.	10.4	8
3297	Machine Learning Approaches to Electricity Consumption Forecasting in Automated Metering Infrastructure (AMI) Systems: An Empirical Study. Advances in Intelligent Systems and Computing, 2017, , 254-263.	0.5	6
3298	Online Sequential Extreme Learning Machine with Under-Sampling and Over-Sampling for Imbalanced Big Data Classification. Proceedings in Adaptation, Learning and Optimization, 2018, , 229-239.	1.5	2
3299	An Automatic Identification System (AIS) Database for Maritime Trajectory Prediction and Data Mining. Proceedings in Adaptation, Learning and Optimization, 2018, , 241-257.	1.5	45
3300	A Hybrid Neuro-Evolutionary Algorithm for Wind Power Ramp Events Detection. Lecture Notes in Computer Science, 2017, , 745-756.	1.0	1
3301	A Review of Advances in Extreme Learning Machine Techniques and Its Applications. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 885-895.	0.5	13

#	Article	IF	Citations
3302	An Improved Weighted ELM with Krill Herd Algorithm for Imbalanced Learning. Lecture Notes in Computer Science, 2017, , 371-378.	1.0	2
3303	Effective Iris Recognition for Distant Images Using Log-Gabor Wavelet Based Contourlet Transform Features. Lecture Notes in Computer Science, 2017, , 293-303.	1.0	6
3304	Incremental Extreme Learning Machine via Fast Random Search Method. Lecture Notes in Computer Science, 2017, , 82-90.	1.0	2
3305	Trained Neural Networks Ensembles Weight Connections Analysis. Advances in Intelligent Systems and Computing, 2018, , 242-251.	0.5	4
3306	Kernel Extreme Learning Machine for Learning from Label Proportions. Lecture Notes in Computer Science, 2018, , 400-409.	1.0	1
3307	A Projection Based Learning Meta-cognitive RBF Network Classifier for Effective Diagnosis of Parkinson's Disease. Lecture Notes in Computer Science, 2012, , 611-620.	1.0	5
3310	Evolutionary Ordinal Extreme Learning Machine. Lecture Notes in Computer Science, 2013, , 500-509.	1.0	6
3311	Direct Solar Radiation Prediction Based on Soft-Computing Algorithms Including Novel Predictive Atmospheric Variables. Lecture Notes in Computer Science, 2013, , 318-325.	1.0	7
3314	A Hybrid Optimization Algorithm for Extreme Learning Machine. Lecture Notes in Electrical Engineering, 2015, , 297-306.	0.3	2
3315	Extreme Learning Machine Based onÂEvolutionary Multi-objective Optimization. Communications in Computer and Information Science, 2017, , 420-435.	0.4	4
3316	Human Gait State Prediction Using Cellular Automata and Classification Using ELM. Advances in Intelligent Systems and Computing, 2019, , 135-145.	0.5	41
3317	Least Squares Twin Extreme Learning Machine for Pattern Classification. Advances in Intelligent Systems and Computing, 2019, , 561-571.	0.5	6
3318	Using Fuzzy Neural Networks Regularized to Support Software for Predicting Autism in Adolescents on Mobile Devices., 2019, , 115-133.		2
3319	An EEG Brain-Computer Interface to Classify Motor Imagery Signals. Series in Bioengineering, 2020, , 83-98.	0.3	9
3321	An Enhanced Extreme Learning Machine Based on Liu Regression. Neural Processing Letters, 2020, 52, 421-442.	2.0	9
3322	Determination of influential parameters for prediction of total sediment loads in mountain rivers using kernel-based approaches. Journal of Mountain Science, 2020, 17, 480-491.	0.8	13
3323	Electrical impedance tomography image reconstruction based on autoencoders and extreme learning machines., 2020,, 155-171.		2
3324	Incremental laplacian regularization extreme learning machine for online learning. Applied Soft Computing Journal, 2017, 59, 546-555.	4.1	18

#	Article	IF	Citations
3325	Review on deep learning techniques for marine object recognition: Architectures and algorithms. Control Engineering Practice, 2022, 118, 104458.	3.2	78
3326	An online semi-supervised P300 speller based on extreme learning machine. Neurocomputing, 2017, 269, 148-151.	3.5	17
3327	DGR-ELM–Distributed Generalized Regularized ELM for classification. Neurocomputing, 2018, 275, 1522-1530.	3.5	21
3328	Adaptive online extreme learning machine by regulating forgetting factor by concept drift map. Neurocomputing, 2019, 343, 141-153.	3.5	19
3329	Imbalanced learning algorithm based intelligent abnormal electricity consumption detection. Neurocomputing, 2020, 402, 112-123.	3.5	20
3330	Accurate and efficient sequential ensemble learning for highly imbalanced multi-class data. Neural Networks, 2020, 128, 268-278.	3.3	23
3331	Understanding perception of active noise control system through multichannel EEG analysis. Healthcare Technology Letters, 2018, 5, 101-106.	1.9	4
3332	Current sensor fault diagnosis and faultâ€tolerant control for singleâ€phase PWM rectifier based on a hybrid modelâ€based and dataâ€driven method. IET Power Electronics, 2020, 13, 4150-4157.	1.5	16
3333	Short-term load forecasting based on hybrid strategy using warm-start gradient tree boosting. Journal of Renewable and Sustainable Energy, 2020, 12, 066102.	0.8	3
3334	Breast Tumor Detection in Digital Mammogram Based on Efficient Seed Region Growing Segmentation. IETE Journal of Research, 2022, 68, 2463-2475.	1.8	13
3335	Short term solar insolation prediction: P-ELM approach. International Journal of Parallel, Emergent and Distributed Systems, 2018, 33, 663-674.	0.7	10
3336	Multiple Features With Extreme Learning Machines For Clothing Image Recognition. IEEE Access, 2018, 6, 36283-36294.	2.6	16
3337	A Hybrid Short-Term Wind Power Prediction Model Combining Data Processing, Multiple Parameters Optimization and Multi-Intelligent Models Apportion Strategy. IEEE Access, 2020, 8, 227126-227140.	2.6	11
3338	An Overview of Extreme Learning Machine. , 2019, , .		12
3339	Knowledge-Based Progressive Granular Neural Networks for Remote Sensing Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 5201-5212.	2.3	9
3340	Physiological Tremor Filtering Without Phase Distortion for Robotic Microsurgery. IEEE Transactions on Automation Science and Engineering, 2022, 19, 497-509.	3.4	6
3341	Robust Learning With Kernel Mean <inline-formula> <tex-math notation="LaTeX">\$p\$ </tex-math> </inline-formula> -Power Error Loss. IEEE Transactions on Cybernetics, 2018, 48, 2101-2113.	6.2	51
3342	Automatic classification of retinal three-dimensional optical coherence tomography images using principal component analysis network with composite kernels. Journal of Biomedical Optics, 2017, 22, 1.	1.4	19

#	Article	IF	CITATIONS
3343	Convolutional neural network extreme learning machine for effective classification of hyperspectral images. Journal of Applied Remote Sensing, 2018, 12, 1.	0.6	9
3344	Automatic classification of true and false laser-induced damage in large aperture optics. Optical Engineering, 2018, 57, 1.	0.5	8
3345	Spatial-spectral blood cell classification with microscopic hyperspectral imagery. , 2017, , .		3
3346	Facial expression recognition based on conjugate gradient extreme learning machine., 2019,,.		1
3347	Combining Clustering and Functionals based Acoustic Feature Representations for Classification of Baby Sounds. , 2020, , .		2
3348	Investigating the relationship between time and predictive model maintenance. Journal of Big Data, 2020, 7, .	6.9	13
3349	Active fault-diagnosis method using adaptive allocator and fault-tolerant adaptive control system design. ROBOMECH Journal, 2020, 7, .	0.9	1
3350	A Contact-Imaging Based Microfluidic Cytometer with Machine-Learning for Single-Frame Super-Resolution Processing. PLoS ONE, 2014, 9, e104539.	1.1	55
3351	Multispectral image fusion for illumination-invariant palmprint recognition. PLoS ONE, 2017, 12, e0178432.	1.1	14
3352	Optimised genetic algorithm-extreme learning machine approach for automatic COVID-19 detection. PLoS ONE, 2020, 15, e0242899.	1.1	38
3353	RFSEN-ELM: SELECTIVE ENSEMBLE OF EXTREME LEARNING MACHINES USING ROTATION FOREST FOR IMAGE CLASSIFICATION. Neural Network World, 2017, 27, 499-517.	0.5	8
3354	Regularization Activation Function for Extreme Learning Machine. International Journal of Advanced Computer Science and Applications, 2019, 10, .	0.5	2
3355	Predicting displacement of bridge based on CEEMDAN-KELM model using GNSS monitoring data. Journal of Applied Geodesy, 2020, 14, 253-261.	0.6	5
3356	Water demand forecasting using extreme learning machines. Journal of Water and Land Development, 2016, 28, 37-52.	0.9	35
3357	A Knowledge Base Completion Model Based on Path Feature Learning. International Journal of Computers, Communications and Control, 2018, 13, 71.	1.2	4
3358	Comparative study of groundwater level forecasts using hybrid neural network models. Water Management, $0$ , $1$ -22.	0.4	6
3359	Impact of Variances of Random Weights and Biases on Extreme Learning Machine. Journal of Software, 2016, 11, 440-454.	0.6	7
3360	An Improved Local Coupled Extreme Learning Machine. Journal of Software, 2016, 11, 745-755.	0.6	1

#	Article	IF	CITATIONS
3361	Network Traffic Classification via Kernel Based Extreme Learning Machine. International Journal of Intelligent Systems and Applications in Engineering, 2016, 4, 109-113.	1.0	3
3362	An improved rotation forest algorithm based on heterogeneous classifiers ensemble for classifying gene expression profile. Advances in Modelling and Analysis B, 2017, 60, 1-24.	0.2	5
3364	Fabrication and Optimization of Chloride Ion electrode based on bilayer membrane. International Journal of Electrochemical Science, 2020, 15, 6376-6395.	0.5	1
3365	Pruned Fast Learning Fuzzy Approach for Data-Driven Traffic Flow Prediction. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2016, 20, 1181-1191.	0.5	4
3366	GEOMETRIC DEEP PARTICLE FILTER FOR MOTORCYCLE TRACKING: DEVELOPMENT OF INTELLIGENT TRAFFIC SYSTEM IN JAKARTA. International Journal on Smart Sensing and Intelligent Systems, 2015, 8, 429-463.	0.4	7
3367	Application of ANN in Pavement Engineering: State-of-Art. SSRN Electronic Journal, 0, , .	0.4	9
3368	Gearbox fault diagnosis based on local mean decomposition, permutation entropy and extreme learning machine. Journal of Vibroengineering, 2016, 18, 1459-1473.	0.5	16
3369	The effects of age and body weight on powerlifters: An analysis model of powerlifting performance based on machine learning. International Journal of Computer Science in Sport, 2019, 18, 89-99.	0.6	4
3370	Recent Trends in ELM and MLELM: A review. Advances in Science, Technology and Engineering Systems, 2017, 2, 69-75.	0.4	7
3371	The Fast Computation Methods for Extreme Learning Machine. , 2015, , .		2
3372	Image super-resolution representation via image patches based on extreme learning machine. , 0, , .		2
3373	Multimodal biometrics Fusion based on TER and Hybrid Intelligent Multiple Hidden Layer Probabilistic Extreme Learning Machine. International Journal of Computational Intelligence Systems, 2018, 11, 936.	1.6	2
3374	Application of Regularized Extreme Learning Machine Based on BIC Criterion and Genetic Algorithm in Iron Ore Price Forecasting. , 2018, , .		3
3375	Microstructure, mechanical properties and ELM based wear loss prediction of plasma sprayed ZrO <sub>2</sub> -MgO coatings on a magnesium alloy. Materialpruefung/Materials Testing, 2019, 61, 787-796.	0.8	9
3376	Software Defect Prediction Based on Stacked Contractive Autoencoder and Multi-objective Optimization. Computers, Materials and Continua, 2020, 65, 279-308.	1.5	5
3377	Voltage Stability Margin Index Estimation Using a Hybrid Kernel Extreme Learning Machine Approach. Energies, 2020, 13, 857.	1.6	19
3378	Electronic Tongue Recognition with Feature Specificity Enhancement. Sensors, 2020, 20, 772.	2.1	6
3379	Determination of Work Zone Capacity Using ELM, MPMR and GPR. Advances in Civil and Industrial Engineering Book Series, 2016, , 93-111.	0.2	2

#	Article	IF	CITATIONS
3380	Big Data Analytics for Train Delay Prediction. Advances in Civil and Industrial Engineering Book Series, 2018, , 320-348.	0.2	2
3381	Performance Prediction and Optimization of Solar Water Heater via a Knowledge-Based Machine Learning Method. Advances in Computer and Electrical Engineering Book Series, 2018, , 55-74.	0.2	4
3382	Predicting Human Actions Using a Hybrid of ReliefF Feature Selection and Kernel-Based Extreme Learning Machine. Advances in Computational Intelligence and Robotics Book Series, 2018, , 379-397.	0.4	2
3383	Predicting Human Actions Using a Hybrid of ReliefF Feature Selection and Kernel-Based Extreme Learning Machine., 2020,, 307-325.		3
3384	DMMs-Based Multiple Features Fusion for Human Action Recognition. International Journal of Multimedia Data Engineering and Management, 2015, 6, 23-39.	0.3	33
3385	Unorganized Machines. International Journal of Natural Computing Research, 2011, 2, 1-16.	0.5	9
3386	A Competent and Novel Approach of Designing an Intelligent Image Retrieval System. EAI Endorsed Transactions on Scalable Information Systems, 2018, .	0.8	3
3387	A Survey on Different Feature Extraction and Classification Techniques Used in Image Steganalysis. Journal of Information Security, 2017, 08, 186-202.	0.4	14
3388	Forecasting Outlier Occurrence in Stock Market Time Series Based on Wavelet Transform and Adaptive ELM Algorithm. Journal of Mathematical Finance, 2016, 06, 127-133.	0.2	11
3389	Three-Dimensional Spatial-Spectral Filtering Based Feature Extraction for Hyperspectral Image Classification. Advances in Electrical and Computer Engineering, 2017, 17, 95-102.	0.5	1
3390	Analysis of Randomized Performance of Bias Parameters and Activation Function of Extreme Learning Machine. International Journal of Computer Applications, 2016, 135, 23-28.	0.2	4
3391	Naive Bayesian Fusion for Action Recognition from Kinect. , 2017, , .		1
3392	A Fault Diagnostic Method for Position Sensor of Switched Reluctance Wind Generator. Journal of Electrical Engineering and Technology, 2016, 11, 29-37.	1.2	3
3393	Pseudoinverse Matrix Decomposition Based Incremental Extreme Learning Machine with Growth of Hidden Nodes. International Journal of Fuzzy Logic and Intelligent Systems, 2016, 16, 125-130.	0.6	10
3394	Screening of transgenic maize using near infrared spectroscopy and chemometric techniques. Spanish Journal of Agricultural Research, 2018, 16, e0203.	0.3	2
3395	Real-time image classification using LBP and ensembles of ELM. Scientific Publications of the State University of Novi Pazar Series A Applied Mathematics Informatics and Mechanics, 2016, 8, 101-109.	0.3	2
3396	Multivariate chaotic time series prediction using multiple kernel extreme learning machine. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 070504.	0.2	14
3397	Wind power time series prediction using optimized kernel extreme learning machine method. Wuli Xuebao/Acta Physica Sinica, 2016, 65, 130501.	0.2	3

#	Article	IF	CITATIONS
3398	Chaotic time series prediction based on robust extreme learning machine. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 030501.	0.2	6
3399	Online Extreme Evolutionary Learning Machines. , 0, , .		7
3400	Combining UAV-based hyperspectral imagery and machine learning algorithms for soil moisture content monitoring. PeerJ, 2019, 7, e6926.	0.9	113
3401	A Universal Calibration Method for Electronic Nose Based on Projection on to Convex Sets. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	2.4	5
3402	Adaptive Prediction of Hip Joint Center from X-ray Images Using Generalized Regularized Extreme Learning Machine and Globalized Bounded Nelder-Mead Strategy. Lecture Notes in Computer Science, 2021, , 183-196.	1.0	0
3403	A Multi-ELM Model for Incomplete Data. , 2021, , .		0
3404	Type discrimination and concentration prediction towards ethanol using a machine learning–enhanced gas sensor array with different morphology-tuning characteristics. Physical Chemistry Chemical Physics, 2021, 23, 23933-23944.	1.3	13
3405	MuSpel-Fi: Multipath Subspace Projection and ELM-Based Fingerprint Localization. IEEE Signal Processing Letters, 2022, 29, 329-333.	2.1	5
3406	An Unsupervised Discriminative Random Vector Functional Link Network for Efficient Data Clustering. , 2021, , .		0
3407	Spectral-spatial hyperspectral image classification with dual spatial ensemble learning. Remote Sensing Letters, 2021, 12, 1194-1206.	0.6	1
3408	A multivariable hybrid prediction system of wind power based on outlier test and innovative multi-objective optimization. Energy, 2022, 239, 122333.	4.5	26
3409	AUTOMATED RECOGNITION OF DEPRESSION FROM FEWER-SHOT LEANING IN RESTING-STATE fMRI WITH ReHo USING DEEP CONVOLUTIONAL NEURAL NETWORK. Journal of Mechanics in Medicine and Biology, 2021, 21, .	0.3	2
3410	Disease Detection in Crop Management Using Ensemble Machine Learning. Advances in Intelligent Systems and Computing, 2022, , 907-916.	0.5	1
3411	Fabric defect detection based on feature fusion of a convolutional neural network and optimized extreme learning machine. Textile Reseach Journal, 2022, 92, 1161-1182.	1.1	8
3412	Multi-feature learning-based extreme learning machine for rolling bearing fault diagnosis. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2022, 236, 1147-1163.	0.6	1
3413	Toward the accurate estimation of elliptical side orifice discharge coefficient applying two rigorous kernel-based data-intelligence paradigms. Scientific Reports, 2021, 11, 19784.	1.6	14
3414	Stock market forecasting using intrinsic time-scale decomposition in fusion with cluster based modified CSA optimized ELM. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 8777-8793.	2.7	6
3415	Estimation of water level fluctuations in groundwater through a hybrid learning machine. Groundwater for Sustainable Development, 2021, 15, 100687.	2.3	14

#	Article	IF	CITATIONS
3416	A Novel Map Reduced Based Parallel Feature Selection and Extreme Learning for Micro Array Cancer Data Classification. Wireless Personal Communications, 2022, 123, 1483-1505.	1.8	4
3417	Numerical solution and bifurcation analysis of nonlinear partial differential equations with extreme learning machines. Journal of Scientific Computing, 2021, 89, 1.	1.1	22
3418	Unorganized Machines to Estimate the Number of Hospital Admissions Due to Respiratory Diseases Caused by PM10 Concentration. Atmosphere, 2021, 12, 1345.	1.0	6
3419	Illumination correction with optimized kernel extreme learning machine based on improved marine predators algorithm. Color Research and Application, 0, , .	0.8	2
3420	A twoâ€stream deep neural networkâ€based intelligent system for complex skin cancer types classification. International Journal of Intelligent Systems, 2022, 37, 10621-10649.	3.3	50
3421	Evaluating Temporal Bias in Time Series Event Detection Methods. Journal of Information and Data Management, 2021, 12, .	0.2	2
3422	Random radial basis function kernel-based support vector machine. Journal of the Franklin Institute, 2021, 358, 10121-10140.	1.9	29
3423	Adaptive coefficient-based kernelized network for personalized activity recognition. International Journal of Machine Learning and Cybernetics, 0, , 1.	2.3	0
3424	Compound Fault Diagnosis of Rolling Bearing Based on ALIF-KELM. Mathematical Problems in Engineering, 2021, 2021, 1-12.	0.6	2
3425	Real Power loss reduction by hybrid pan troglodytes optimization: extreme learning machine based augmented sine: cosine algorithms. International Journal of Systems Assurance Engineering and Management, 2022, 13, 1102-1120.	1.5	3
3426	Novel hybrid machine learning optimizer algorithms to prediction of fracture density by petrophysical data. Journal of Petroleum Exploration and Production, 2021, 11, 4375-4397.	1.2	27
3427	User behavior prediction via heterogeneous information in social networks. Information Sciences, 2021, 581, 637-654.	4.0	5
3428	A digital direction of arrival estimator based on fast on-line sequential random vector functional link network. AEU - International Journal of Electronics and Communications, 2021, 142, 153986.	1.7	4
3429	Modeling Spectral Data Based on Mutual Information and Kernel Extreme Learning Machines. Lecture Notes in Computer Science, 2012, , 29-36.	1.0	O
3430	Adaptive Backstepping Neural Control for Switched Nonlinear Stochastic System with Time-Delay Based on Extreme Learning Machine. Lecture Notes in Computer Science, 2012, , 713-721.	1.0	2
3431	A Novel Feature Selection Technique for SAGE Data Classification. Communications in Computer and Information Science, 2013, , 49-54.	0.4	0
3432	Neural Networks for Digital Media Analysis and Description. Communications in Computer and Information Science, 2013, , 1-11.	0.4	0
3433	Chaotic time series prediction using add-delete mechanism based regularized extreme learning machine. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 240509.	0.2	2

#	Article	IF	CITATIONS
3434	Modeling of Magentic Levitation Logistics Transport System Using Extreme Learning Machine. Journal of the Institute of Electronics and Information Engineers, 2013, 50, 269-275.	0.0	1
3435	Road Vehicle Classification Based on Extreme Learning Machine. , 0, , .		0
3436	Extreme Learning Machine for Protein Subcellular Localization from Primary Sequence. Hans Journal of Data Mining, 2013, 03, 6-11.	0.2	0
3437	Deformed Kernel Based Extreme Learning Machine. Journal of Computers, 2013, 8, .	0.4	4
3438	A New UWB Target Detection and Identification Method Based on Extreme Learning Machine. Lecture Notes in Electrical Engineering, 2014, , 453-459.	0.3	1
3439	Constrained–Optimization-Based Bayesian Posterior Probability Extreme Learning Machine for Pattern Classification. Lecture Notes in Computer Science, 2014, , 466-473.	1.0	1
3440	Two Step Feature Extraction Method for Microarray Cancer Data using Support Vector Machines. International Journal of Computer Applications, 2014, 85, 34-42.	0.2	2
3441	Self-adaptive Differential Evolution Extreme Learning Machine for the Classification of Hyperspectral Images. , 0, , .		0
3442	A Hybrid Extreme Learning Machine Approach for Early Diagnosis of Parkinson's Disease. Lecture Notes in Computer Science, 2014, , 342-349.	1.0	0
3443	ELM Based Classification and Analysis of Spirometric Pulmonary Function Data. IFMBE Proceedings, 2014, , 235-238.	0.2	0
3444	Wilcoxon-Norm-Based Robust Extreme Learning Machine. Lecture Notes in Computer Science, 2014, , 200-209.	1.0	0
3445	An ELM Based Multi Agent Systems Using Certified Belief in Strength. Lecture Notes in Computer Science, 2014, , 458-465.	1.0	0
3446	Data-Driven Bridge Detection in Compressed Domain from Panchromatic Satellite Imagery. Lecture Notes in Computer Science, 2014, , 449-458.	1.0	1
3447	Unorganized Machines. , 2014, , 221-236.		1
3448	Learning Capabilities of ELM-Trained Time-Varying Neural Networks. Smart Innovation, Systems and Technologies, 2014, , 41-52.	0.5	0
3449	An Improved Prediction Approach on Solar Irradiance of Photovoltaic Power Station. TELKOMNIKA Indonesian Journal of Electrical Engineering, 2013, 12, .	0.1	2
3450	Copy Detection among Programs Using Extreme Learning Machines. Proceedings in Adaptation, Learning and Optimization, 2015, , 189-198.	1.5	0
3453	Sentic Applications., 2015, , 107-153.		1

#	Article	IF	CITATIONS
3454	An Extreme Learning Approach to Fast Prediction in the Reduce Phase of a Cloud Platform. Lecture Notes in Computer Science, 2015, , 417-423.	1.0	0
3458	An Online Sequential Extreme Learning Machine for Tidal Prediction Based on Improved Gath-Geva Fuzzy Segmentation. Proceedings in Adaptation, Learning and Optimization, 2015, , 243-252.	1.5	O
3459	Estimation of the Arterial DiameterÂinÂUltrasound Images of the Common Carotid Artery. Lecture Notes in Computer Science, 2015, , 358-367.	1.0	2
3460	Edge Multidirectional Binary Pattern Applies to High Resolution Thermal Infrared Face Database. Lecture Notes in Computer Science, 2015, , 508-515.	1.0	O
3463	Klasifikasi Data Microarray Menggunakan Discrete Wavelet Transform dan Extreme Learning Machine. IJCCS (Indonesian Journal of Computing and Cybernetics Systems), 2015, 9, 33.	0.3	2
3464	A microarray gene expressions with classification using extreme learning machine. Genetika, 2015, 47, 523-534.	0.1	O
3465	Sentic Patterns. , 2015, , 73-106.		0
3467	Distributed Learning over Massive XML Documents in ELM Feature Space. Proceedings in Adaptation, Learning and Optimization, 2015, , 279-288.	1.5	1
3470	Hidden Markov model with information criteria clustering and extreme learning machine regression for wind forecasting. Journal of Computer Science and Cybernetics, 2015, 30, .	0.1	1
3471	İLERİ-GERİ TAKİP ALGORİTMASI TABANLI SEYREK AÅžIRI Ã-ÄžRENME MAKİNESİ. Journal of the Faculty and Architecture of Gazi University, 2015, 30, .	of Engine	ering 2
3472	Performance Evaluation of Different Feature Extractors and Classifiers for Recognition of Human Faces with Low Resolution Images. International Journal of Intelligent Systems and Applications in Engineering, 2015, 3, 72.	1.0	1
3473	IMPROVED SPEAKER-INDEPENDENT EMOTION RECOGNITION FROM SPEECH USING TWO-STAGE FEATURE REDUCTION. Journal of Information and Communication Technology, 0, , .	0.3	1
3474	An Online Learning Model of Mobile User Preference Based on Context Quantification. International Journal of Hybrid Information Technology, 2015, 8, 185-202.	0.6	1
3475	Fisher vectors with cascaded normalization for paralinguistic analysis. , 0, , .		33
3477	Electric Efficiency Modelling of a Complex Cogeneration Process Using Extreme Learning Machines. International Journal of Machine Learning and Computing, 2015, 5, 399-403.	0.8	1
3478	Single-Hidden Layer Feedforward Neual Network Training Using Class Geometric Information. Studies in Computational Intelligence, 2016, , 351-364.	0.7	O
3479	Self Forward and Information Dissemination Prediction Research in SINA Microblog Using ELM. Proceedings in Adaptation, Learning and Optimization, 2016, , 131-142.	1.5	0
3480	Research On Fault Diagnosis Of Wind Turbine Gearbox Based On IFA-ELM. , 2016, , .		O

#	Article	IF	CITATIONS
3481	Model Optimization of Air Quality with M-ELM. , 2016, , .		0
3482	RNA Secondary Structure Prediction Using Extreme Learning Machine with Clustering Under-Sampling Technique. Proceedings in Adaptation, Learning and Optimization, 2016, , 317-324.	1.5	0
3483	A Theoretical Framework for Parallel Implementation of Deep Higher Order Neural Networks. Advances in Computational Intelligence and Robotics Book Series, 2016, , 351-361.	0.4	0
3484	Deep Representation Based on Multilayer Extreme Learning Machine. Lecture Notes in Electrical Engineering, 2016, , 147-152.	0.3	0
3485	Neural Modelling of a Yeast Fermentation Process Using Extreme Learning Machines. Advances in Intelligent Systems and Computing, 2016, , 13-23.	0.5	0
3486	ELM Based Algorithms for Acoustic Template Matching in Home Automation Scenarios: Advancements and Performance Analysis. Smart Innovation, Systems and Technologies, 2016, , 159-168.	0.5	0
3487	Finger-Vein Recognition Based on an Enhanced HMAX Model. Lecture Notes in Computer Science, 2016, , 263-270.	1.0	0
3488	Image Super-Resolution by PSOSEN of Local Receptive Fields Based Extreme Learning Machine. Proceedings in Adaptation, Learning and Optimization, 2016, , 455-469.	1.5	1
3489	Continuous Top-K Remarkable Comments over Textual Streaming Data Using ELM. Proceedings in Adaptation, Learning and Optimization, 2016, , 155-168.	1.5	0
3490	NMR Image Segmentation Based on Unsupervised Extreme Learning Machine. Proceedings in Adaptation, Learning and Optimization, 2016, , 333-346.	1.5	0
3491	H-MRST: A Novel Framework for Support Uncertain Data Range Query Using ELM. Proceedings in Adaptation, Learning and Optimization, 2016, , 77-91.	1.5	0
3492	A Disease Diagnostic Assistant System Using DTI and Extreme Learning Machine. Journal of Advances in Information Technology, 2016, 7, 129-133.	2.6	0
3494	Beauty Analysis by Learning Machine and Subspace Extension. , 2016, , 167-197.		0
3495	Distributed Extreme Learning Machine with Alternating Direction Method of Multiplier. Proceedings in Adaptation, Learning and Optimization, 2016, , 43-54.	1.5	4
3496	Bearing Fault Diagnosis Based on IFA-ELM., 2016, , .		0
3498	Improved regularization in extreme learning machines. , 0, , .		2
3499	Aplicação de Máquinas de Aprendizado Extremo ao Problema de Aprendizado Ativo. , 0, , .		0
3500	Software based Method to Specify the Extreme Learning Machine Network Architecture Targeting Hardware Platforms. International Journal of Computer Applications, 2016, 138, 49-53.	0.2	0

#	Article	IF	CITATIONS
3501	Improvement in bug localization based on kernel extreme learning machine. Journal of Communications Technology Electronics and Computer Science, $0, 5, 1$ .	0.0	0
3502	A Hybrid Kernel Extreme Learning Machine and Improved Cat Swarm Optimization for Microarray Medical Data Classification. International Journal of Applied Evolutionary Computation, 2016, 7, 71-100.	0.7	3
3503	Analysis on Shape Image Retrieval Using DNN and ELM Classifiers for MRI Brain Tumor Images. International Journal of Information Engineering and Electronic Business, 2016, 8, 63-72.	1.0	0
3504	Extreme Learning Machine Approach for Real Time Voltage Stability Monitoring in a Smart Grid System using Synchronized Phasor Measurements. Journal of Electrical Engineering and Technology, 2016, 11, 1527-1534.	1.2	1
3505	Modeling crack growth of aluminum alloy under variable-amplitude loading using dynamic neural network. , 2016, , .		0
3506	Non-regularized State Preserving Extreme Learning Machine for Natural Scene Classification. Advances in Intelligent Systems and Computing, 2017, , 409-418.	0.5	0
3507	A Brain Network Inspired Algorithm: Pre-trained Extreme Learning Machine. Lecture Notes in Computer Science, 2017, , 14-23.	1.0	0
3508	Improving Generalization Capability of Extreme Learning Machine with Synthetic Instances Generation. Lecture Notes in Computer Science, 2017, , 3-12.	1.0	0
3510	Evaluation of Randomized Variable Translation Wavelet Neural Networks. Communications in Computer and Information Science, 2017, , 3-12.	0.4	1
3511	Estimating leaf chlorophyll contents of shade grown tea using hyperspectral data. Journal of the Japan Society of Photogrammetry and Remote Sensing, 2017, 56, 234-243.	0.0	0
3512	Classification of Foreign Object Debris Using Integrated Visual Features and Extreme Learning Machine. Communications in Computer and Information Science, 2017, , 3-13.	0.4	0
3513	Two-Directional Two-Dimensional Principal Component Analysis Based on Wavelet Decomposition for High-Dimensional Biomedical Signals Classification. Advances in Bioinformatics and Biomedical Engineering Book Series, 2017, , 100-122.	0.2	0
3514	A Hybrid Algorithm of Extreme Learning Machine and Sparse Auto-Encoder. Lecture Notes in Computer Science, 2017, , 194-204.	1.0	0
3516	Sparse Extreme Learning Machine Using Privileged Information for Classification. Communications in Computer and Information Science, 2017, , 205-213.	0.4	0
3517	Extreme Learning Machine Optimized by Improved Firefly Algorithm. DEStech Transactions on Computer Science and Engineering, 2017, , .	0.1	0
3518	Comparative Analysis of Gaussian Process Regression Based Extreme Learning Machine. Journal of Software, 2017, 12, 292-302.	0.6	O
3519	Incremental ELMVIS for Unsupervised Learning. Proceedings in Adaptation, Learning and Optimization, 2018, , 183-193.	1.5	0
3520	Facial Landmark Detection via ELM Feature Selection and Improved SDM. Proceedings in Adaptation, Learning and Optimization, 2018, , 217-228.	1.5	0

#	Article	IF	CITATIONS
3521	Earthen Archaeological Site Monitoring Data Analysis Using Kernel-based ELM and Non-uniform Sampling TFR. Proceedings in Adaptation, Learning and Optimization, 2018, , 1-10.	1.5	0
3522	Reinforcement Extreme Learning Machine for Mobile Robot Navigation. Proceedings in Adaptation, Learning and Optimization, 2018, , 61-73.	1.5	2
3523	Improving the Speed and Quality of Extreme Learning Machine by Conjugate Gradient Method. Advances in Intelligent Systems and Computing, 2018, , 128-137.	0.5	0
3524	Single image super-resolution via regularized extreme learning regression for imagery from microgrid polarimeters., 2017,,.		O
3525	Reproducing Polynomial Kernel Extreme Learning Machine. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2017, 21, 795-802.	0.5	1
3526	Human Action Recognition with Skeleton Data Using Extreme Learning Machine. Lecture Notes in Electrical Engineering, 2018, , 449-456.	0.3	0
3527	Bearing fault diagnosis based on intrinsic time-scale decomposition and extreme learning machine. Vibroengineering PROCEDIA, 2017, 14, 97-101.	0.3	0
3528	Extreme learning machine with variance inflation factor for robust pattern recognition., 2017, , .		O
3529	Retinal Blood Vessel Segmentation Using Extreme Learning Machine. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2017, 21, 1280-1290.	0.5	1
3530	Distribution Modeling of Batch Forging Processes. , 2018, , 51-73.		0
3531	Merging ELMs with Satellite Data and Clear-Sky Models for Effective Solar Radiation Estimation. Lecture Notes in Computer Science, 2018, , 163-170.	1.0	0
3533	A Family of Maximum Margin Criterion for Adaptive Learning. Lecture Notes in Computer Science, 2018, , 375-387.	1.0	2
3534	Two-Directional Two-Dimensional Principal Component Analysis Based on Wavelet Decomposition for High-Dimensional Biomedical Signals Classification. , 2018, , 232-254.		0
3535	Intelligent Models Applied to Elastic Modulus of Jointed Rock Mass. Advances in Civil and Industrial Engineering Book Series, 2018, , 1-30.	0.2	1
3536	Application of Optimization Technique for Performance and Emission Characteristics of a CNG-Diesel Dual Fuel Engine: A Comparison Study. Communications in Computer and Information Science, 2018, , 274-284.	0.4	1
3537	Self-expression-Based Abnormal Odor Detection. , 2018, , 279-298.		0
3538	Extreme Learning Machine Based Diagnosis Models for Erythemato-Squamous Diseases. Lecture Notes in Computer Science, 2018, , 61-74.	1.0	0
3539	The Computation of Tight Sandstone Reservoir Permeability by Using Extreme Learning Algorithm. Journal of Oil and Gas Technology, 2018, 40, 41-46.	0.1	0

#	Article	IF	CITATIONS
3540	Domain Correction-Based Adaptive Extreme Learning Machine. , 2018, , 209-224.		0
3541	Tensor manifold-based extreme learning machine for 2.5-D face recognition. Journal of Electronic Imaging, 2018, 27, 1.	0.5	0
3542	Optimized Kernel Extreme Learning Machine for Myoelectric Pattern Recognition. International Journal of Electrical and Computer Engineering, 2018, 8, 483.	0.5	0
3543	Performance Analysis of Extreme Learning Machine Variants with Varying Intermediate Nodes and Different Activation Functions. Advances in Intelligent Systems and Computing, 2019, , 613-623.	0.5	2
3545	Cyberattack Detection for Cyber Physical Systems Security – A Preliminary Study. Proceedings of the Annual Conference of the Prognostics and Health Management Society Prognostics and Health Management Society Conference, 2018, 10, .	0.2	3
3546	A Study on the Lie Detection of Telephone Voices Using Support Vector Machine. Studies in Computational Intelligence, 2019, , 89-99.	0.7	0
3547	Aviation Guide Gesture Recognition Using ELM with Multiscale CNN Features. Proceedings in Adaptation, Learning and Optimization, 2019, , 249-261.	1.5	0
3548	Hierarchical Pruning Discriminative Extreme Learning Machine. Proceedings in Adaptation, Learning and Optimization, 2019, , 230-239.	1.5	0
3549	Classification of Burden Distribution Matrix Based on ELM. Proceedings in Adaptation, Learning and Optimization, 2019, , 219-229.	1.5	0
3550	Multiple instance learning via bag space construction and ELM. , 2018, , .		1
3551	Forecasting Solar Power Using Wavelet Transform Framework Based on ELM. Proceedings in Adaptation, Learning and Optimization, 2019, , 186-202.	1.5	1
3552	The Parameter Updating Method Based on Kalman Filter for Online Sequential Extreme Learning Machine. Proceedings in Adaptation, Learning and Optimization, 2019, , 80-102.	1.5	0
3554	An Extended Extreme Learning Machine with Residual Compensation and Its Application to Device-Free Localization. Proceedings in Adaptation, Learning and Optimization, 2019, , 327-337.	1.5	0
3555	Extreme Learning Tree. Proceedings in Adaptation, Learning and Optimization, 2019, , 181-185.	1.5	1
3558	Time Series Predictive Analysis based on Hybridization of Meta-heuristic Algorithms. International Journal on Advanced Science, Engineering and Information Technology, 2018, 8, 1919-1925.	0.2	1
3559	Anticipating the User: Acoustic Disposition Recognition in Intelligent Interactions. Intelligent Systems Reference Library, 2019, , 203-233.	1.0	2
3560	A Conceptual Framework for the Design and Development of Automated Online Condition Monitoring System for Elevators (AOCMSE) Using IoT. Advances in Civil and Industrial Engineering Book Series, 2019, , 189-207.	0.2	0
3561	Research Hotspots and Frontier Evolution in the Field of Machine Learning. , 0, , .		0

#	Article	IF	CITATIONS
3562	Multi-scale Local Receptive Field Based Online Sequential Extreme Learning Machine for Material Classification. Communications in Computer and Information Science, 2019, , 37-53.	0.4	1
3563	Ensemble Regression Kernel Extreme Learning Machines for Multi-Instance Multi-Label Learning. Communications in Computer and Information Science, 2019, , 226-239.	0.4	0
3564	Robust Video Content Authentication using Video Binary Pattern and Extreme Learning Machine. International Journal of Advanced Computer Science and Applications, 2019, 10, .	0.5	3
3565	Deep Learning in the Domain of Near-Duplicate Document Detection. Lecture Notes in Computer Science, 2019, , 439-459.	1.0	2
3566	Feature Fusion: H-ELM based Learned Features and Hand-Crafted Features for Human Activity Recognition. International Journal of Advanced Computer Science and Applications, 2019, 10, .	0.5	2
3567	Membranous Nephropathy Identification Using Hyperspectral Microscopic Images. Lecture Notes in Computer Science, 2019, , 173-184.	1.0	1
3568	Designing artificial neural networks for band structures computations in photonic crystals. , 2019, , .		0
3569	Bubble Detection in Lithium-ion Polymer Cell Sheet Using Extreme Learning Machine. Recent Patents on Engineering, 2019, 13, 75-82.	0.3	0
3570	Feature Extraction and Resident Number Prediction Method using Power Consumption Data. IEEJ Transactions on Electronics, Information and Systems, 2019, 139, 227-236.	0.1	0
3571	Skeleton-based automatic generation of Labanotation with neural networks. Journal of Electronic Imaging, 2019, 28, 1.	0.5	5
3572	Radar target identification using HRRP-based features and Extreme Learning Machines. , 2019, , .		0
3573	Comparing classifiers that exploit random subspaces. , 2019, , .		0
3574	A Robust and Dynamically Enhanced Neural Predictive Model for Foreign Exchange Rate Prediction. Proceedings in Adaptation, Learning and Optimization, 2020, , 27-36.	1.5	0
3577	Sparse Bayesian Learning for Extreme Learning Machine Auto-encoder. Proceedings in Adaptation, Learning and Optimization, 2020, , 319-327.	1.5	0
3578	Scalable IP Core for Feed Forward Random Networks. Proceedings in Adaptation, Learning and Optimization, 2020, , 253-262.	1.5	0
3579	A Fast Algorithm for Sparse Extreme Learning Machine. Proceedings in Adaptation, Learning and Optimization, 2020, , 55-64.	1.5	0
3580	A Soft Computing-Based Daily Rainfall Forecasting Model Using ELM and GEP. Proceedings in Adaptation, Learning and Optimization, 2020, , 328-335.	1.5	0
3581	A Novel Feature Specificity Enhancement for Taste Recognition by Electronic Tongue. Proceedings in Adaptation, Learning and Optimization, 2020, , 11-16.	1.5	O

#	Article	IF	CITATIONS
3582	Comparison of Classification Methods for Very High-Dimensional Data in Sparse Random Projection Representation. Proceedings in Adaptation, Learning and Optimization, 2020, , 17-26.	1.5	0
3583	Extreme Latent Representation Learning for Visual Classification. Proceedings in Adaptation, Learning and Optimization, 2020, , 65-75.	1.5	O
3584	CO-LEELM: Continuous-Output Location Estimation Using Extreme Learning Machine. Proceedings in Adaptation, Learning and Optimization, 2020, , 226-235.	1.5	0
3585	Burden Surface Temperature Field Estimation of the Blast Furnace. , 2019, , .		1
3586	A Study on Monitoring Coastal Areas for Having a Better Underwater Surveillance Perspective. Algorithms for Intelligent Systems, 2020, , 163-174.	0.5	0
3587	A Method of Intention Estimation for Human-Robot Interaction. Advances in Intelligent Systems and Computing, 2020, , 69-80.	0.5	0
3588	Efficient and Fast Expression Recognition with Deep Learning CNN-ELM. Lecture Notes in Electrical Engineering, 2020, , 340-348.	0.3	0
3589	Facial Expression Recognition Using Improved Adaptive Local Ternary Pattern. Advances in Intelligent Systems and Computing, 2020, , 39-52.	0.5	6
3591	Modified ELM-RBF with Finite Perception for Multi-label Classification. Lecture Notes in Electrical Engineering, 2020, , 436-445.	0.3	0
3592	Tek Gizli Katmanlı İleri Beslemeli Sinir Ağlarında Gizli Nöronların Etkisi. Bilişim Teknolojileri Dergisi, 201 12, 277-286.	0.2	1
3593	Image-Based Facial Expression Recognition Using Local Neighborhood Difference Binary Pattern. Advances in Intelligent Systems and Computing, 2020, , 457-470.	0.5	4
3594	An Intelligent Internet-of-Things (IoT) System to Detect and Predict Amenity Usage. , 2019, , .		0
3595	Ateş Böceği Algoritması Destekli Aşırı Öğrenme Makinesi ile Göğüs Kanseri Veri Kümelerinin European Journal of Science and Technology, 0, , 637-644.	Sınıfla 0.5	andırılma
3596	Lane Departure Warning Mechanism of Limited False Alarm Rate Using Extreme Learning Residual Network and ϵ-Greedy LSTM. Sensors, 2020, 20, 644.	2.1	7
3597	Nonlinear autoregressive sieve bootstrap based on extreme learning machines. Mathematical Biosciences and Engineering, 2020, 17, 636-653.	1.0	4
3599	Ensemble Learning via Extreme Learning Machines for Imbalanced Data. Advances in Computational Intelligence and Robotics Book Series, 2020, , 59-88.	0.4	1
3600	Automated Detection of Brain Abnormalities Using Multi-Directional Features and Randomized Learning. Advances in Healthcare Information Systems and Administration Book Series, 2020, , 20-41.	0.2	0
3601	A review of CALL-based ASR and its potential application for Malay cued Speech learning tool application. AIP Conference Proceedings, 2020, , .	0.3	O

#	ARTICLE	IF	CITATIONS
3602	Applications of Developed Wearable Devices. , 2020, , 89-123.		0
3603	Facial expression recognition based on feature fusion. , 2020, , .		0
3604	Effective and Efficient LDA+ELM Model for Supervised Classification of Brain Tumor Types Using 2D MRI Scans. International Annals of Science, 2019, 9, 160-173.	0.4	0
3605	MPC with a Disturbance Model Using Online Extreme Learning Machine with Kernels for SCR Denitrification System., 2020, , .		0
3606	PERFORMANCE EVALUATION OF ELM WITH A-OPTIMIZED DESIGN REGULARIZATION FOR REMOTE SENSING IMAGERY CLASSIFICATION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B1-2020, 45-49.	0.2	0
3607	An Empirical Comparative Analysis of NAV Forecasting Using Machine Learning Techniques. Smart Innovation, Systems and Technologies, 2021, , 565-572.	0.5	1
3608	Optimization and Performance Analysis of Extreme Learning Machine by L2-Norm Regularization. Advances in Intelligent Systems and Computing, 2021, , 405-413.	0.5	0
3609	Extreme learning machine with feature mapping of kernel function. IET Image Processing, 2020, 14, 2495-2502.	1.4	2
3610	Diagnosis of diabetes in pregnant woman using a Chaotic-Jaya hybridized extreme learning machine model. Journal of Integrative Bioinformatics, 2021, 18, 81-99.	1.0	3
3611	Prediction of Diabetes Using Internet of Things (IoT) and Decision Trees: SLDPS. Advances in Intelligent Systems and Computing, 2021, , 453-461.	0.5	2
3612	The Comparison of Imbalanced Data Handling Method in Software Defect Prediction. Kinetik, 0, , 203-210.	0.1	1
3613	User Power Behavior Similarity Clustering Based on Unsupervised Extreme Learning Machine Algorithm. Recent Advances in Electrical and Electronic Engineering, 2020, 13, 641-649.	0.2	1
3614	Deep learning of dispersion engineering in two-dimensional phononic crystals. Engineering Optimization, 2023, 55, 125-139.	1.5	11
3615	Evidential classification of incomplete instance based on K-nearest centroid neighbor. Journal of Intelligent and Fuzzy Systems, 2021, 41, 7101-7115.	0.8	28
3616	Kernel risk-sensitive mean p-power loss based hyper-graph regularized robust extreme learning machine and its semi-supervised extension for sample classification. Applied Intelligence, 0, , $1$ .	3.3	0
3617	Online spatiotemporal modeling for time-varying distributed parameter systems using Kernel-based Multilayer Extreme Learning Machine. Nonlinear Dynamics, 2022, 107, 761-780.	2.7	11
3618	Fruits Classification from Image using MPEG-7 Visual Descriptors and Extreme Learning Machine. , 2020, , .		2
3619	A NOVEL APPROACH TO HEART ATTACK PREDICTION IMPROVEMENT VIA EXTREME LEARNING MACHINES CLASSIFIER INTEGRATED WITH DATA RESAMPLING STRATEGY. Konya Journal of Engineering Sciences, 2020, 8, 853-865.	0.1	2

#	Article	IF	CITATIONS
3620	Study the Significance of ML-ELM Using Combined PageRank and Content-Based Feature Selection. Lecture Notes in Computer Science, 2021, , 299-307.	1.0	0
3621	Comparison of multispectral modeling of physiochemical attributes of greengage: Brix and pH values. Food Science and Technology, 2021, 41, 611-618.	0.8	7
3622	Evaluation of the accuracy of soft computing learning algorithms in performance prediction of tidal turbine. Energy Science and Engineering, 2021, 9, 633-644.	1.9	5
3623	Intelligent Intracortical Brain-Machine Interfaces. , 2021, , 1-22.		0
3624	Optimized MK-ELM by BAS and its Application in sEMG Gesture Recognition. , 2020, , .		0
3625	Calculation of Fundamental Frequency Amplitude of Transformer Surface Vibration Based on ABC-ELM. Journal of Physics: Conference Series, 2020, 1693, 012221.	0.3	0
3626	Research of Micro-expression Recognition Model based on Feature Unit., 2020,,.		0
3627	Assessing the Capability of KELM Meta-Model Approach in Predicting the Energy Dissipation in Different Shapes Channels. Proceedings (mdpi), 2020, 63, .	0.2	0
3628	Short-Term Photovoltaic Power Prediction Modeling Based on AdaBoost Algorithm and Elman. , 2020, , .		2
3629	GTGS Ger§ekleme Problemleri İçin Akıllı Çözümlerin Endüstriyel Bir Robot Manipülatöre Uygula Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, 2020, 7, .	anması. 0.1	0
3630	An Event-Triggered Approach for Gradient Tracking in Consensus-Based Distributed Optimization. IEEE Transactions on Network Science and Engineering, 2022, 9, 510-523.	4.1	18
3631	Modeling, diagnostics, optimization, and control of internal combustion engines via modern machine learning techniques: A review and future directions. Progress in Energy and Combustion Science, 2022, 88, 100967.	15.8	99
3632	Subset based error recovery. Signal Processing, 2022, 191, 108361.	2.1	0
3633	Partial least squares regression residual extreme learning machine (PLSRR-ELM) calibration algorithm applied in fast determination of gasoline octane number with near-infrared spectroscopy. Fuel, 2022, 309, 122224.	3.4	19
3634	A Noisy-sample-removed Under-sampling Scheme for Imbalanced Classification of Public Datasets. IFAC-PapersOnLine, 2020, 53, 624-629.	0.5	2
3635	Mortality prediction for ICU patients with individualized single classification method. IFAC-PapersOnLine, 2020, 53, 16131-16136.	0.5	0
3636	Heterogeneous ensemble classifiers for Malay syllables classification. AIP Conference Proceedings, 2020, , .	0.3	0
3637	Digital Implementation of OS-ELM for Data Classification in Real-Time. Lecture Notes in Electrical Engineering, 2020, , 339-347.	0.3	О

#	Article	IF	CITATIONS
3638	Graph Embedded Multiple Kernel Extreme Learning Machine for Music Emotion Classification. Lecture Notes in Computer Science, 2020, , 180-191.	1.0	0
3639	Internet of Things and Deep Learning. Scalable Computing and Communications, 2020, , 147-163.	0.5	0
3640	A New Performance Degradation Evaluation Method Integrating PCA, PSR and KELM. IEEE Access, 2021, 9, 6188-6200.	2.6	9
3641	Generative Adversarial Networks Enhanced Extreme Learning Machine to Classify Faults in Rolling Bearings. Smart Innovation, Systems and Technologies, 2020, , 995-1002.	0.5	0
3642	Study and Understanding the Significance of Multilayer-ELM Feature Space. Lecture Notes in Computer Science, 2020, , 28-48.	1.0	2
3643	Attribute Bagging-Based Extreme Learning Machine. Lecture Notes in Computer Science, 2020, , 509-522.	1.0	1
3644	Characteristics and Analysis of Urban Traffic Flow in Smart Traffic Systems. , 2020, , 125-158.		1
3645	A Hybrid Kernel Extreme Learning Machine and Improved Cat Swarm Optimization for Microarray Medical Data Classification. , 2020, , 779-814.		0
3647	Action Recognition Using Motion History Information and Convolutional Neural Networks. Advances in Intelligent Systems and Computing, 2020, , 773-780.	0.5	0
3648	A Study on Extreme Learning Machine for Gasoline Engine Torque Prediction. IEEE Access, 2020, 8, 104762-104774.	2.6	7
3649	Robust Graph Regularized Extreme Learning Machine Auto Encoder and Its Application to Single-Cell Samples Classification. Lecture Notes in Computer Science, 2020, , 537-545.	1.0	0
3650	Concept Drift Evolution In Machine Learning Approaches: A Systematic Literature Review. International Journal on Smart Sensing and Intelligent Systems, 2020, 13, 1-16.	0.4	3
3651	Fingerprint Matching Using Rotational Invariant Orientation Local Binary Pattern Descriptor and Machine Learning Techniques., 2020,, 943-961.		0
3653	An Extreme Learning Machine Model Approach on Airbnb Base Price Prediction. International Journal of Advanced Computer Science and Applications, 2020, $11$ ,.	0.5	5
3654	OBNAI: An Outlier Detection-Based Framework for Supporting Network-Attack Identification over 5G Environment. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 68-79.	0.2	0
3655	Driver Drowsiness Behavior Detection and Analysis Using Vision-Based Multimodal Features for Driving Safety., 0,,.		4
3656	Hyperspectral remote sensing image classification based on random average band selection and an ensemble kernel extreme learning machine. Applied Optics, 2020, 59, 4151.	0.9	3
3657	A Methodology for Multimodal Learning Analytics and Flow Experience Identification within Gamified Assignments. , 2020, , .		10

#	Article	IF	CITATIONS
3658	Machine Learning Based Prognostics for Predicting Remaining Useful Life of IGBT – NASA IGBT Accelerated Ageing Case Study. , 2021, , .		4
3659	Research on Intelligent Diagnosis of Switch Partial Discharge Based on Power Internet of Things. , 2021, , .		0
3660	Impact of multilayer ELM feature mapping technique on supervised and semi-supervised learning algorithms. Soft Computing, 2022, 26, 423-437.	2.1	7
3661	Wind Direction Retrieval Using Support Vector Machine from CYGNSS Sea Surface Data. Remote Sensing, 2021, 13, 4451.	1.8	2
3662	A new insight for real-time wastewater quality prediction using hybridized kernel-based extreme learning machines with advanced optimization algorithms. Environmental Science and Pollution Research, 2022, 29, 20496-20516.	2.7	13
3663	Extreme learning machine for plant diseases classification: a sustainable approach for smart agriculture. Cluster Computing, 2022, 25, 2007-2020.	3.5	31
3664	Model-Free Sliding Mode Iterative Learning Control for Cz Silicon Single Crystal Diameter. , 2020, , .		1
3665	A Novel Cyber-attack Detection Approach based on Kernel Extreme Learning Machine using FR-Conjugate Gradient. , 2020, , .		0
3666	Parameter Optimization of Kernel Extreme Learning Machine Using Artificial Bee Colony Algorithm and Its Application for Disease Classification. International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB), 2020, 10, 127-136.	0.2	0
3667	Multi-criteria analysis involving Pareto-optimal misclassification tradeoffs on imbalanced datasets. , 2020, , .		3
3668	A Theoretical Framework for Parallel Implementation of Deep Higher Order Neural Networks. , 0, , 1-11.		0
3669	The Computation of Tight Sandstone Reservoir Permeability by Using Extreme Learning Algorithm. Journal of Oil and Gas Technology, 2018, 40, 41-46.	0.1	0
3670	An Efficient Action Recognition Framework Based on ELM and 3D CNN. Lecture Notes in Electrical Engineering, 2021, , 641-648.	0.3	0
3671	Extreme Learning Machines for Signature Verification. Proceedings in Adaptation, Learning and Optimization, 2021, , 31-40.	1.5	8
3672	Gearbox fault diagnosis through quantum particle swarm optimization algorithm and kernel extreme learning machine. Journal of Vibroengineering, 2020, 22, 1399-1414.	0.5	6
3674	Early Detection of Diabetes Using Machine Learning Algorithms and Internet of Things: ADPA. Lecture Notes in Networks and Systems, 2021, , 79-85.	0.5	0
3675	High-dimensional neural feature design for layer-wise reduction of training cost. Eurasip Journal on Advances in Signal Processing, 2020, 2020, .	1.0	0
3677	Origin traceability of rice based on an electronic nose coupled with a feature reduction strategy. Measurement Science and Technology, 2021, 32, 025107.	1.4	9

#	Article	IF	CITATIONS
3678	A Vortex Identification Method Based on Extreme Learning Machine. International Journal of Aerospace Engineering, 2020, 2020, 1-10.	0.5	5
3679	Introducing a method for extracting features from facial images based on applying transformations to features obtained from convolutional neural networks. Signal and Data Processing, 2020, 17, 141-156.	0.0	O
3680	A New Intrusion Detection Algorithm Based on PSO and Kernel Extreme Learning Machine. , 2020, , .		0
3681	Thought-Actuated Wheelchair Navigation with Communication Assistance Using Statistical Cross-Correlation-Based Features and Extreme Learning Machine. Journal of Medical Signals and Sensors, 2020, 10, 228-238.	0.5	1
3683	An explainable semi-supervised self-organizing fuzzy inference system for streaming data classification. Information Sciences, 2022, 583, 364-385.	4.0	11
3684	Detection of adulterants in medicinal products by infrared spectroscopy and ensemble of window extreme learning machine. Microchemical Journal, 2022, 173, 107009.	2.3	8
3685	No-reference stereoscopic image quality assessment on both complex contourlet and spatial domain via Kernel ELM. Signal Processing: Image Communication, 2022, 101, 116547.	1.8	2
3686	On the use of data-driven machine learning for remaining life estimation of metallic materials based on Ye-Wang damage theory. International Journal of Fatigue, 2022, 156, 106666.	2.8	12
3687	Short Term Wind Speed Forecasting Based on Feature Extraction by CNN and MLP., 2021,,.		3
3688	Performance Degradation State Recognition of Slewing Bearing Based on Improved Multi-layer Kernel Extreme Learning Machine Auto-encoder., 2021,,.		1
3689	Uncertainty Assessment of the Integrated Hybrid Data Processing Techniques for Short to Long Term Drought Forecasting in Different Climate Regions. Water Resources Management, 2022, 36, 273-296.	1.9	6
3690	Analysis and prediction of urban ambient and surface temperatures using internet of things. International Journal of Systems Assurance Engineering and Management, 2022, 13, 516-532.	1.5	3
3691	Power quality disturbance classification under noisy conditions using adaptive wavelet threshold and DBN-ELM hybrid model. Electric Power Systems Research, 2022, 204, 107682.	2.1	23
3692	Adaptive VMD based optimized deep learning mixed kernel ELM autoencoder for single and multistep wind power forecasting. Energy, 2022, 244, 122585.	4.5	35
3693	Extreme learning machine based sub-surface crack detection and quantification method for ACFM. Journal of Magnetism and Magnetic Materials, 2022, 546, 168865.	1.0	6
3694	Indoor Positioning System Based on Standardizing Waveform Tendency. Journal of Sensors, 2021, 2021, 1-10.	0.6	2
3695	Online Interval Type-2 Fuzzy Extreme Learning Machine applied to 3D path following for Remotely Operated Underwater Vehicles. Applied Soft Computing Journal, 2021, , 108054.	4.1	4
3696	Predicting Non-deposition Sediment Transport in Clean Pipes: Assessing Heuristic Models. Iranian Journal of Science and Technology - Transactions of Civil Engineering, $0, 1$ .	1.0	1

#	Article	IF	CITATIONS
3697	Online Learning of Oil Leak Anomalies in Wind Turbines with Block-Based Binary Reservoir. Electronics (Switzerland), 2021, 10, 2836.	1.8	7
3698	A Fast Online Classification Method of Solid Wood Floors Based on Stochastic Sampling and Machine Learning. Electronics (Switzerland), 2021, 10, 2899.	1.8	2
3699	Evolving Deep Convolutional Neural Networks by Extreme Learning Machine and Fuzzy Slime Mould Optimizer for Real-Time Sonar Image Recognition. International Journal of Fuzzy Systems, 2022, 24, 1371-1389.	2.3	12
3700	Assessment and Prediction of Maize Production Considering Climate Change by Extreme Learning Machine in Czechia. Agronomy, 2021, 11, 2344.	1.3	5
3701	Machine Learning in Food Security and Sustainability., 2022,, 1-17.		0
3702	Atmospheric visibility prediction based on multi-model fusion. , 2021, , .		O
3703	Learning Paradigms for Neural Networks for Automated Medical Diagnosis. Learning and Analytics in Intelligent Systems, 2022, , 165-180.	0.5	0
3704	Human Fall Detection inÂDepth-Videos Using Temporal Templates andÂConvolutional Neural Networks. Learning and Analytics in Intelligent Systems, 2022, , 217-236.	0.5	2
3705	Modelling and mitigation of real-time sea level measurement over the coastal area of Japan. Marine Geophysical Researches, 2021, 42, 1.	0.5	6
3706	Role of Artificial Intelligence in COVID-19 Detection. Sensors, 2021, 21, 8045.	2.1	32
3707	A Highly Robust Thrust Estimation Method with Dissimilar Redundancy Framework for Gas Turbine Engine. SSRN Electronic Journal, 0, , .	0.4	0
3708	Mill Load Identification Method for Ball milling Process Based on Grinding Signal. IFAC-PapersOnLine, 2021, 54, 7-12.	0.5	2
3710	Planting Fast-Growing Forest by Leveraging the Asymmetric Read/Write Latency of NVRAM-Based Systems. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2022, 41, 3304-3317.	1.9	0
3711	Cost-Oriented Prediction Intervals: On Bridging the Gap Between Forecasting and Decision. IEEE Transactions on Power Systems, 2022, 37, 3048-3062.	4.6	26
3712	Deep Residual Learning With Dilated Causal Convolution Extreme Learning Machine. IEEE Access, 2021, 9, 165708-165718.	2.6	3
3713	Enhanced Deep Belief Network Based on Ensemble Learning and Tree-Structured of Parzen Estimators: An Optimal Photovoltaic Power Forecasting Method. IEEE Access, 2021, 9, 150330-150344.	2.6	21
3714	Spammers Detection on Online Social Media Based on Machine Learning. Advances in Intelligent Systems and Computing, 2021, , 867-872.	0.5	0
3715	Development of Artificial Neural Network Models to Calculate the Areal Sweep Efficiency for Direct Line, Staggered Line Drive, Five-Spot, and Nine-Spot Injection Patterns. SSRN Electronic Journal, 0, , .	0.4	0

#	Article	IF	CITATIONS
3716	VLSI design of multiclass classification using sparse extreme learning machine for epilepsy and seizure detection. IEICE Electronics Express, 2022, 19, 20210536-20210536.	0.3	2
3717	Predictions of carbon emission intensity based on factor analysis and an improved extreme learning machine from the perspective of carbon emission efficiency. Journal of Cleaner Production, 2022, 338, 130414.	4.6	108
3718	Research on variable pitch control strategy of direct-driven offshore wind turbine using KELM wind speed soft sensor. Renewable Energy, 2022, 184, 1002-1017.	4.3	8
3719	Automated health detection of congestive heart failure subject using rank multiresolution wavelet packet attributes and 1-norm linear programming ELM. Multimedia Tools and Applications, 2022, 81, 19587-19608.	2.6	1
3720	Extreme learning machine based transfer learning for aero engine fault diagnosis. Aerospace Science and Technology, 2022, 121, 107311.	2.5	37
3721	Trend decomposition aids short-term countrywide wind capacity factor forecasting with machine and deep learning methods. Energy Conversion and Management, 2022, 253, 115189.	4.4	5
3722	Evolving kernel extreme learning machine for medical diagnosis via a disperse foraging sine cosine algorithm. Computers in Biology and Medicine, 2022, 141, 105137.	3.9	63
3723	Rapid detection of mussels contaminated by heavy metals using near-infrared reflectance spectroscopy and a constrained difference extreme learning machine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 269, 120776.	2.0	14
3724	A novel hybrid short-term electricity forecasting technique for residential loads using Empirical Mode Decomposition and Extreme Learning Machines. Computers and Electrical Engineering, 2022, 98, 107663.	3.0	30
3725	Data-based groundwater quality estimation and uncertainty analysis for irrigation agriculture. Agricultural Water Management, 2022, 262, 107423.	2.4	14
3726	EEG/ERP signal enhancement through an optimally tuned adaptive filter based on marine predators algorithm. Biomedical Signal Processing and Control, 2022, 73, 103427.	3.5	13
3727	Design of a combined system based on multi-objective optimization for point and interval forecasting of air pollution. Expert Systems With Applications, 2022, 191, 116345.	4.4	11
3728	An empowered AdaBoost algorithm implementation: A COVID-19 dataset study. Computers and Industrial Engineering, 2022, 165, 107912.	3.4	42
3729	Unsupervised domain adaptation for vibration-based robotic ground classification in dynamic environments. Mechanical Systems and Signal Processing, 2022, 169, 108648.	4.4	3
3730	Detection of web service anti-patterns using weighted extreme learning machine. Computer Standards and Interfaces, 2022, 82, 103621.	3.8	11
3731	Unconstrained Face Identification using Ensembles trained on Clustered Data. , 2020, , .		3
3732	Short-term wind power prediction based on multiple kernel extreme learning machine method. , 2020, , .		1
3733	Wind Turbine Performance optimization Based on Statistical Data. , 2020, , .		0

#	Article	CITATIONS
3734	Study on the Prediction of Daily Temperature Based on GDWSSA-KELM Model. , 2020, , .	0
3735	A Hybrid Edge-Cloud Computing Method for Short-Term Electric Load Forecasting Based on Smart Metering Terminal. , 2020, , .	2
3736	Temporal-Spatial-Frequency Feature Selection of Brain-Computer Interface Based on BQPSO., 2020,,.	0
3737	Performance Evaluation of SRELM on Bio-signal Pattern Recognition Using Two Electromyography Channels. International Journal on Advanced Science, Engineering and Information Technology, 2020, 0.2 10, 1828-1834.	1
3738	WiFi Fingerprinting based Floor Detection with Hierarchical Extreme Learning Machine. , 2020, , .	10
3739	An Energy-saving Oriented Air Balancing Method based on the Extreme Learning Machine. , 2020, , .	O
3740	A CNN-ELM Compound Fault Diagnosis Method Based on Joint Distribution Modification. , 2020, , .	2
3741	Sparse KELM Online Prediction Model Based on Forgetting Factor. , 2020, , .	0
3742	Text Orientation Detection Based on Multi Neural Network. , 2020, , .	2
3743	A hierarchical stacking extreme learning machine for multi-classification. , 2020, , .	O
3744	Human Activity Recognition using Reduced Kernel Extreme Learning Machine for Body Weight Management. , 2020, , .	0
3745	Intelligent Measurement Modeling Using a Novel Multi-nonlinear Mapping Based Extreme Learning Machine Integrated with Partial Least Square Regression. , 2020, , .	0
3746	Gait Recognition Based on Feature Selection of sEMG Signals Using PCA-RELM Method., 2020,,.	0
3747	Multiclass Fuzzily Weighted Adaptive-Boosting-Based Self-Organizing Fuzzy Inference Ensemble Systems for Classification. IEEE Transactions on Fuzzy Systems, 2022, 30, 3722-3735.  6.5	12
3748	Neuromorphic computing device using optical shock waves., 2021,,.	0
3749	Bütünleme sınavına girecek öğrenci sayısının tahmini için k-ELM yaklaşımı. Journal of the Faculty o Engineering and Architecture of Gazi University, 0, , .	f o
3751	Use of Deterministic Transforms to Design Weight Matrices of a Neural Network. , 2021, , .	0
3753	Path Planning Method Based on Multi-Layer ELM Optimized A. , 2021, , .	1

#	Article	IF	CITATIONS
3754	Accelerated Degradation Test Design and Degradation Trajectory Prediction of Radar Gain Control Module. , $2021, \dots$		0
3755	Prediction and evaluation of health state for power battery based on Ridge linear regression model. Science Progress, 2021, 104, 003685042110590.	1.0	1
3756	Recent advances in detection and prediction of customers energy consumption patterns through the use of machine learning techniques. , $2021$ , , .		0
3757	Compound Fault Separation and Diagnosis Method Based on FSA-CNN and DAN., 2021,,.		1
3758	Comparative Study of Abalone Age Prediction Using Classical Machine Learning Algorithms and Extreme Learning Machine. Advances in Intelligent Systems and Computing, 2022, , 211-220.	0.5	0
3759	SPRBF-ABLS: a novel attention-based broad learning systems with sparse polynomial-based radial basis function neural networks. Journal of Intelligent Manufacturing, 2023, 34, 1779-1794.	4.4	3
3760	A hybrid extreme learning machine model with harris hawks optimisation algorithm: an optimised model for product demand forecasting applications. Applied Intelligence, 2022, 52, 11489-11505.	3.3	17
3761	Multiclass Skin Lesion Classification Using Hybrid Deep Features Selection and Extreme Learning Machine. Sensors, 2022, 22, 799.	2.1	78
3762	Prediction of survival of Pinus radiata seedlings subjected to physical-water restriction extreme using learning neural networks. Journal of Physics: Conference Series, 2022, 2153, 012015.	0.3	0
3763	Intelligent Intracortical Brain-Machine Interfaces. , 2022, , 869-889.		4
3764	Critical Review of Data, Models and Performance Metrics for Wind and Solar Power Forecast. IEEE Access, 2022, 10, 667-688.	2.6	36
3765	Quick extreme learning machine for large-scale classification. Neural Computing and Applications, 2022, 34, 5923-5938.	3.2	6
3766	Local integrated air quality predictions from meteorology (2015 to 2020) with machine and deep learning assisted by data mining., 2022, 2, 100002.		5
3767	An Improved Extreme Learning Machine for Imbalanced Data Classification. IEEE Access, 2022, 10, 8634-8642.	2.6	5
3768	A Novel Fault Diagnosis Method Based on the KELM Optimized by Whale Optimization Algorithm. Machines, 2022, 10, 93.	1.2	16
3769	A Comparative Study of Artificial Intelligence Models and A Statistical Method for Groundwater Level Prediction. Water Resources Management, 2022, 36, 1499-1519.	1.9	29
3770	Adaptive Barebones Salp Swarm Algorithm with Quasi-oppositional Learning for Medical Diagnosis Systems: A Comprehensive Analysis. Journal of Bionic Engineering, 2022, 19, 240-256.	2.7	16
3771	Learning affective representations based on magnitude and dynamic relative phase information for speech emotion recognition. Speech Communication, 2022, 136, 118-127.	1.6	16

#	Article	IF	CITATIONS
3772	Artificial intelligence techniques. , 2022, , 69-100.		7
3773	Incipient fault diagnosis for centrifugal chillers using kernel entropy component analysis and voting based extreme learning machine. Korean Journal of Chemical Engineering, 2022, 39, 504-514.	1.2	4
3774	A Novel Multiple Feature-Based Engine Knock Detection System using Sparse Bayesian Extreme Learning Machine. Cognitive Computation, 2022, 14, 828-851.	3.6	12
3775	A predictor-corrector affine scaling method to train optimized extreme learning machine. Journal of the Franklin Institute, 2022, 359, 1713-1731.	1.9	3
3776	Detection of High Impedance Fault Using Advanced ELM-based Neuro-fuzzy Inference System. Lecture Notes in Electrical Engineering, 2022, , 397-408.	0.3	2
3777	A comparative study of different machine learning methods for reservoir landslide displacement prediction. Engineering Geology, 2022, 298, 106544.	2.9	75
3778	Damage degree evaluation of masonry using optimized SVM-based acoustic emission monitoring and rate process theory. Measurement: Journal of the International Measurement Confederation, 2022, 190, 110729.	2.5	29
3779	Randomization-based machine learning in renewable energy prediction problems: Critical literature review, new results and perspectives. Applied Soft Computing Journal, 2022, 118, 108526.	4.1	29
3780	Predicting the severity of COVID $\hat{a} \in 19$ patients using a multi $\hat{a} \in 19$ provided evolutionary feature selection algorithm. Expert Systems, 0, , .	2.9	8
3781	Parallel cooperation search algorithm and artificial intelligence method for streamflow time series forecasting. Journal of Hydrology, 2022, 606, 127434.	2.3	23
3782	Detection of COVID-19 severity using blood gas analysis parameters and Harris hawks optimized extreme learning machine. Computers in Biology and Medicine, 2022, 142, 105166.	3.9	60
3783	Multi-objective optimization-based reactive nitrogen transport modeling for the water-environment-agriculture nexus in a basin-scale coastal aquifer. Water Research, 2022, 212, 118111.	5.3	7
3784	Partitioning strategy for investigating the prediction capability of bed load transport under varied hydraulic conditions: Application of robust GWO-kernel-based ELM approach. Flow Measurement and Instrumentation, 2022, 84, 102136.	1.0	6
3785	A wide interpretable Gaussian Takagi–Sugeno–Kang fuzzy classifier and its incremental learning. Knowledge-Based Systems, 2022, 241, 108203.	4.0	9
3786	A highly robust thrust estimation method with dissimilar redundancy framework for gas turbine engine. Energy, 2022, 245, 123255.	4.5	6
3787	Fatigue life prediction considering mean stress effect based on random forests and kernel extreme learning machine. International Journal of Fatigue, 2022, 158, 106761.	2.8	30
3788	Kinematic viscosity estimation of fuel oil with comparison of machine learning methods. Fuel, 2022, 316, 123422.	3.4	16
3789	Ohana Means Family: Malware Family Classification using Extreme Learning Machines. , 2022, , .		0

#	Article	IF	CITATIONS
3791	Determination of Libidibia ferrea Markers Using Spectrophotometry and Chemometric Tools with Comparison to a Standard High-Performance Liquid Chromatography (HPLC) Protocol. Analytical Letters, $0, 1-14$ .	1.0	0
3792	Decision Fusion Using Similarity-weighted JCR and Mid-level Features based ELM for Hyperspectral Image Classification with Limited Training Samples. International Journal of Remote Sensing, 2022, 43, 873-893.	1.3	3
3793	Antivirus applied to JAR malware detection based on runtime behaviors. Scientific Reports, 2022, 12, 1945.	1.6	3
3794	Trend decomposition aids forecasts of air particulate matter (PM2.5) assisted by machine and deep learning without recourse to exogenous data. Atmospheric Pollution Research, 2022, 13, 101352.	1.8	13
3795	Development of artificial neural network models to calculate the areal sweep efficiency for direct line, staggered line drive, five-spot, and nine-spot injection patterns. Fuel, 2022, 317, 123564.	3.4	7
3796	Classifying asteroid spectra by data-driven machine learning model. , 2022, , 29-66.		0
3797	Using Wavelet Packet Denoising and a Regularized ELM Algorithm Based on the LOO Approach for Transient Electromagnetic Inversion. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	2.7	4
3798	Deep Extreme Learning Machines Based Two-Phase Spatiotemporal Modeling for Distributed Parameter Systems. IEEE Transactions on Industrial Informatics, 2023, 19, 2919-2929.	7.2	10
3799	Evolution-Driven Randomized Graph Convolutional Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7516-7526.	<b>5.</b> 9	7
3800	Study on the Detection of Heavy Metal Lead (Pb) in Mussels Based OnÂNear-Infrared Spectroscopy Technology and a Reelm Classifier. SSRN Electronic Journal, 0, , .	0.4	0
3801	Dynamic Network Structure: Doubly Stacking Broad Learning Systems With Residuals and Simpler Linear Model Transmission. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 1378-1395.	3.4	2
3802	Neuromorphic Neural Interfaces. , 2022, , 1-33.		3
3803	Accurate Strain Extraction via Kernel Extreme Learning Machine for Fiber Bragg Grating Sensor. IEEE Sensors Journal, 2022, 22, 7792-7797.	2.4	6
3804	Noise-Immune Extreme Ensemble Learning for Early Diagnosis of Neuropsychiatric Systemic Lupus Erythematosus. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 3495-3506.	3.9	12
3805	Interpolation Problem on Outlier Contaminated Seismogram Using Extreme Learning Machine. Advances in Science, Technology and Innovation, 2022, , 211-213.	0.2	1
3806	A Hybrid Method to Measure Distribution Consistency of Mixed-Attribute Datasets. IEEE Transactions on Artificial Intelligence, 2023, 4, 182-196.	3.4	2
3807	Industrial IoT-Enabled Prediction Interval Estimation of Mechanical Performances for Hot-Rolling Steel. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	2.4	5
3808	Data Mining Methods for Bad Data Detection and Event Data Acquisition in Microgrids. , 2022, , .		5

#	Article	IF	CITATIONS
3809	Spatiotemporal forecasting for dengue, chikungunya fever and Zika using machine learning and artificial expert committees based on meta-heuristics. Research on Biomedical Engineering, 2022, 38, 499-537.	1.5	2
3810	Bone Age Assessment Based on Deep Convolutional Features and Fast Extreme Learning Machine Algorithm. Frontiers in Energy Research, 2022, 9, .	1.2	6
3811	Antenna Optimization Based on Auto-Context Broad Learning System. International Journal of Antennas and Propagation, 2022, 2022, 1-10.	0.7	1
3812	Reduced-Kernel Weighted Extreme Learning Machine Using Universum Data in Feature Space (RKWELM-UFS) to Handle Binary Class Imbalanced Dataset Classification. Symmetry, 2022, 14, 379.	1.1	3
3813	Illumination correction of dyed fabric based on extreme learning machine with improved ant lion optimizer. Color Research and Application, 2022, 47, 1065-1077.	0.8	3
3814	Comparative uncertainty analysis of soft computing models predicting scour depth downstream of grade-control structures. Arabian Journal of Geosciences, 2022, 15, 1.	0.6	3
3815	Soft one-class extreme learning machine for turboshaft engine fault detection. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2022, 236, 2708-2722.	0.7	2
3816	Photonic Kernel Machine Learning for Ultrafast Spectral Analysis. Physical Review Applied, 2022, 17, .	1.5	9
3817	A Novel Fault Diagnosis Method for TE Process Based on Optimal Extreme Learning Machine. Applied Sciences (Switzerland), 2022, 12, 3388.	1.3	3
3818	Extreme learning machine and genetic algorithm in quantitative analysis of sulfur hexafluoride by infrared spectroscopy. Applied Optics, 2022, 61, 2834.	0.9	4
3819	Short-term Wind Power Prediction Based on Soft Margin Multiple Kernel Learning Method. Chinese Journal of Electrical Engineering, 2022, 8, 70-80.	2.3	1
3820	Adult Skeletal Age-at-Death Estimation through Deep Random Neural Networks: A New Method and Its Computational Analysis. Biology, 2022, 11, 532.	1.3	16
3821	Intelligent Diagnosis of Rolling Element Bearing Based on Refined Composite Multiscale Reverse Dispersion Entropy and Random Forest. Sensors, 2022, 22, 2046.	2.1	10
3822	Speech emotion recognition using optimized genetic algorithm-extreme learning machine. Multimedia Tools and Applications, 2022, 81, 23963-23989.	2.6	12
3823	Indian language identification using time-frequency texture features and kernel ELM. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 13237-13250.	3.3	5
3824	Online sequential fuzzy dropout extreme learning machine compensate for sliding-mode control system errors of uncertain robot manipulator. International Journal of Machine Learning and Cybernetics, 2022, 13, 2171-2187.	2.3	11
3825	Near-term, national solar capacity factor forecasts aided by trend attributes and artificial intelligence. International Journal of Energy and Environmental Engineering, 2022, 13, 1129-1146.	1.3	1
3826	RELMP-MM: an approach to cross project fault prediction using improved regularized extreme learning machine and identical matched metrics. Journal of Ambient Intelligence and Humanized Computing, $0, 1$ .	3.3	O

#	Article	IF	Citations
3827	A Novel Reformed Reduced Kernel Extreme Learning Machine with RELIEF-F for Classification. Computational Intelligence and Neuroscience, 2022, 2022, 1-14.	1.1	2
3828	Prediction of the Height of Fractured Water-Conducting Zone Based on the Improved Cuckoo Search Algorithm–Extreme Learning Machine Model. Frontiers in Earth Science, 2022, 10, .	0.8	2
3829	A support vector machine based fast planar prediction mode decision algorithm for versatile video coding. Multimedia Tools and Applications, 2022, 81, 17205-17222.	2.6	7
3830	Human facial emotion recognition using improved black hole based extreme learning machine. Multimedia Tools and Applications, 2022, 81, 24529-24552.	2.6	6
3831	Multidimensional Multiconvolution-Based Feature Extraction Approach for Drift Tolerant Robust Classifier for Gases/Odors., 2022, 6, 1-4.		10
3832	Diagnosis for multiple faults of chiller using ELM-KNN model enhanced by multi-label learning and specific feature combinations. Building and Environment, 2022, 214, 108904.	3.0	20
3833	Simultaneous exercise recognition and evaluation in prescribed routines: Approach to virtual coaches. Expert Systems With Applications, 2022, 199, 116990.	4.4	8
3834	Training threshold neural networks by extreme learning machine and adaptive stochastic resonance. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 432, 128008.	0.9	4
3835	Mineral Leaching Modeling Through Machine Learning Algorithms $\hat{a}$ A Review. Frontiers in Earth Science, 2022, $10$ , .	0.8	2
3836	DLMHS: Flowâ€based intrusion detection system using deep learning neural network and metaâ€heuristic scale. International Journal of Communication Systems, 2022, 35, .	1.6	6
3837	Facial expression recognition system based on variational mode decomposition and whale optimized KELM. Image and Vision Computing, 2022, 123, 104445.	2.7	2
3838	A general framework for hypercomplex-valued extreme learning machines. Journal of Computational Mathematics and Data Science, 2022, 3, 100032.	1.3	7
3839	Early detection of digital mammogram using kernel extreme learning machine. Concurrency Computation Practice and Experience, 2022, 34, .	1.4	3
3840	Bayesian Attribute Bagging-Based Extreme Learning Machine for High-Dimensional Classification and Regression. ACM Transactions on Intelligent Systems and Technology, 2022, 13, 1-26.	2.9	2
3841	Artificial intelligence based quality of transmission predictive model for cognitive optical networks. Optik, 2022, 257, 168789.	1.4	37
3842	An optimized Kernel Extreme Learning Machine for the classification of the autism spectrum disorder by using gaze tracking images. Applied Soft Computing Journal, 2022, 120, 108654.	4.1	21
3843	Chaotic simulated annealing multi-verse optimization enhanced kernel extreme learning machine for medical diagnosis. Computers in Biology and Medicine, 2022, 144, 105356.	3.9	14
3844	Classification of healthy, Alzheimer and Parkinson populations with a multi-branch neural network. Biomedical Signal Processing and Control, 2022, 75, 103617.	3.5	5

#	Article	IF	CITATIONS
3845	Power quality events recognition using enhanced empirical mode decomposition and optimized extreme learning machine. Computers and Electrical Engineering, 2022, 100, 107926.	3.0	13
3846	Learning transfer feature representations for gas path fault diagnosis across gas turbine fleet. Engineering Applications of Artificial Intelligence, 2022, 111, 104733.	4.3	14
3847	Data-based model with EMD and a new model selection criterion for dam health monitoring. Engineering Structures, 2022, 260, 114171.	2.6	23
3848	Online prediction of ultra-short-term photovoltaic power using chaotic characteristic analysis, improved PSO and KELM. Energy, 2022, 248, 123574.	4.5	19
3849	Machine learning regression and classification methods for fog events prediction. Atmospheric Research, 2022, 272, 106157.	1.8	40
3850	Study on the detection of heavy metal lead (Pb) in mussels based on near-infrared spectroscopy technology and a REELM classifier. Microchemical Journal, 2022, 178, 107394.	2.3	3
3851	A deep surrogate model with spatio-temporal awareness for water quality sensor measurement. Expert Systems With Applications, 2022, 200, 116914.	4.4	1
3852	Pattern Recognition of UHF Partial Discharge Signals in GIS Based on Deep Learning. , 2021, , .		0
3853	Facial Nerve Paralysis Assessment based on Regularized Correntropy Criterion SSELM <sup>vc</sup> and Cascade CNN., 2021,,.		1
3854	Endpoint Prediction of Copper Converter Blowing Based on Artificial Bee Colony Algorithm and Regularized Extreme Learning Machine. , 2021, , .		0
3855	Intelligent Detection of High Impedance Fault using Extreme Learning Machine. , 2021, , .		2
3856	Extreme learning machine with confidence interval based bias initialization., 2021,,.		0
3857	Extreme learning with Artifical Electric Field Algorithm (EL-AEFA) for estimation of Short-term Vehicular Traffic System., 2021,,.		1
3858	Enhanced Local Receptive Fields based Extreme Learning Machine using Dominant Patterns Selection. , 2021, , .		0
3859	Data Classification Methodology for Electronic Noses Using Uniform Manifold Approximation and Projection and Extreme Learning Machine. Mathematics, 2022, 10, 29.	1.1	6
3860	Supervised evolutionary learning: Use of gradient histogram & amp; particle swarm algorithm to detection & amp; tracking pedestrian in sequence of infrared images. Innovaciencia, 2021, 9, 1-17.	0.1	0
3861	Burned Area Classification Based on Extreme Learning Machine and Sentinel-2 Images. Applied Sciences (Switzerland), 2022, 12, 9.	1.3	5
3862	Artificial Intelligence-Based Image Classification Techniques for Hydrologic Applications. Applied Artificial Intelligence, 2022, 36, .	2.0	7

#	Article	IF	CITATIONS
3863	False Data Injection Attack on Power System Data- Driven Methods Based on Generative Adversarial Networks. , $2021$ , , .		1
3864	Rotation transformation-based selective ensemble of one-class extreme learning machines. Advances in Computational Intelligence, 2022, 2, .	0.7	0
3865	Energy Consumption Forecasting for Smart Meters Using Extreme Learning Machine Ensemble. Sensors, 2021, 21, 8096.	2.1	10
3866	Extreme wave height detection based on the meteorological data, using hybrid NOF-ELM method. Ships and Offshore Structures, 2022, 17, 2520-2530.	0.9	2
3867	Prediction of Battery Remaining Capacity in Space Power System Using Extreme Learning Machine. , 2021, , .		0
3868	Unilateral Alignment: An interpretable machine learning method for geophysical logs calibration. Artificial Intelligence in Geosciences, 2021, 2, 192-201.	0.9	3
3869	Prediction of neuro-degenerative disorders using sunflower optimisation algorithm and Kernel extreme learning machine: A case-study with Parkinson's and Alzheimer's disease. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2022, 236, 438-453.	1.0	2
3870	Two-Dimensional Spatial Construction for Online Modeling of Distributed Parameter Systems. IEEE Transactions on Industrial Electronics, 2022, 69, 10227-10235.	5.2	7
3872	False Alarm Reduction in ICU Using Ensemble Classifier Approach. Intelligent Automation and Soft Computing, 2022, 34, 165-181.	1.6	0
3873	A Task-Parallel and Reconfigurable FPGA-Based Hardware Implementation of Extreme Learning Machine. , 2022, , .		1
3874	Recent advances of chemometric calibration methods in modern spectroscopy: Algorithms, strategy, and related issues. TrAC - Trends in Analytical Chemistry, 2022, 153, 116648.	5.8	78
3875	Extreme learning machine and bayesian optimization-driven intelligent framework for IoMT cyber-attack detection. Journal of Supercomputing, 2022, 78, 14866-14891.	2.4	26
3876	A new robust predictive model for lost circulation rate using convolutional neural network: A case study from Marun Oilfield. Petroleum, 2023, 9, 468-485.	1.3	6
3877	Prediction and uncertainty quantification of compressive strength of highâ€strength concrete using optimized machine learning algorithms. Structural Concrete, 2022, 23, 3772-3785.	1.5	16
3878	The potential of integrated hybrid data processing techniques for successive-station streamflow prediction. Soft Computing, 2022, 26, 5563-5576.	2.1	1
3879	Prediction of material properties of propellant waste modified bricks through microstructures by Topographic independent component analysis coupled 3D Convolution neural networks. Ceramics International, 2022, , .	2.3	0
3880	H-BLS: a hierarchical broad learning system with deep and sparse feature learning. Applied Intelligence, 0, , .	3.3	1
3881	GPUâ€accelerated and mixed norm regularized online extreme learning machine. Concurrency Computation Practice and Experience, 0, , .	1.4	2

#	Article	IF	CITATIONS
3891	Determination of Work Zone Capacity Using ELM, MPMR and GPR., 0,, 1962-1980.		0
3892	Tuning extreme learning machine by an improved electromagnetism-like mechanism algorithm for classification problem. Mathematical Biosciences and Engineering, 2019, 16, 4692-4707.	1.0	2
3895	Feature Selection Using Grey Wolf Optimization with Random Differential Grouping. Computer Systems Science and Engineering, 2022, 43, 317-332.	1.9	20
3896	Extreme Learning With Metaheuristic Optimization for Exchange Rate Forecasting. International Journal of Swarm Intelligence Research, 2022, 13, 1-25.	0.5	1
3898	Real-time Estimation of Nitrogen, Phosphorus, and Potassium in Soil., 2022, , .		0
3899	A Case Study Showcasing the Use of Extreme Learning Machine Based on in-line Inspection Data. , 2022, , .		1
3900	Machine learning-aided PSDM for dams with stochastic ground motions. Advanced Engineering Informatics, 2022, 52, 101615.	4.0	12
3901	An Optimized Extreme Learning Machine for Predicting Loan Default in Peer-to-peer Lending Based on an Enhanced Honey Badger Algorithm. , 2022, , .		1
3902	Fault Diagnosis of Tennessee Eastman Process with XGB-AVSSA-KELM Algorithm. Energies, 2022, 15, 3198.	1.6	8
3903	Modeling of Key Specifications for RF Amplifiers Using the Extreme Learning Machine. Micromachines, 2022, 13, 693.	1.4	4
3904	Random vector functional link network with subspace-based local connections. Applied Intelligence, 0, , 1.	3.3	1
3905	Deterministic Transform Based Weight Matrices for Neural Networks. , 2022, , .		0
3906	A transfer weighted extreme learning machine for imbalanced classification. International Journal of Intelligent Systems, 2022, 37, 7685-7705.	3.3	5
3907	Local Gravitation Clustering-Based Semisupervised Online Sequential Extreme Learning Machine. Security and Communication Networks, 2022, 2022, 1-15.	1.0	0
3908	Improved prediction of daily pan evaporation using Bayesian Model Averaging and optimized Kernel Extreme Machine models in different climates. Stochastic Environmental Research and Risk Assessment, 2022, 36, 3875-3910.	1.9	9
3909	Drought prediction in the Yunnan–Guizhou Plateau of China by coupling the estimation of distribution algorithm and the extreme learning machine. Natural Hazards, 0, , 1.	1.6	3
3910	MODWTâ€"random vector functional link for river-suspended sediment load prediction. Arabian Journal of Geosciences, 2022, 15, .	0.6	4
3911	Forecasting Regional Carbon Prices in China Based on Secondary Decomposition and a Hybrid Kernel-Based Extreme Learning Machine. Energies, 2022, 15, 3562.	1.6	10

#	Article	IF	CITATIONS
3912	A comprehensive survey on facial micro-expression: approaches and databases. Multimedia Tools and Applications, 2022, 81, 40089-40134.	2.6	7
3913	Numerical solution for high-order ordinary differential equations using H-ELM algorithm. Engineering Computations, 2022, 39, 2781-2801.	0.7	2
3914	Embedding metric learning into an extreme learning machine for scene recognition. Expert Systems With Applications, 2022, 203, 117505.	4.4	13
3915	Self-organizing Divisive Hierarchical Voronoi Tessellation-based classifier. Information Sciences, 2022, 603, 106-129.	4.0	1
3916	Soil-cutting simulation and dual-objective optimization on tillage process parameters of micro-tiller by smoothed particle Galerkin modeling and genetic algorithm. Computers and Electronics in Agriculture, 2022, 198, 107021.	3.7	3
3917	Multi-objective optimization-based adaptive class-specific cost extreme learning machine for imbalanced classification. Neurocomputing, 2022, 496, 107-120.	3.5	16
3918	The Review of Electromagnetic Field Modeling Methods for Permanent-Magnet Linear Motors. Energies, 2022, 15, 3595.	1.6	6
3919	Study of water resources parameters using artificial intelligence techniques and learning algorithms: a survey. Applied Water Science, 2022, 12, .	2.8	3
3920	Impact Assessment of Efficient Denoising Techniques in Al-Based Low-Cost INS/GPS Integration During Blockage of GPS Satellites. Arabian Journal for Science and Engineering, 0, , .	1.7	0
3921	Fast Analysis of Time-Domain Fluorescence Lifetime Imaging via Extreme Learning Machine. Sensors, 2022, 22, 3758.	2.1	6
3922	Prediction of Ozone Hourly Concentrations Based on Machine Learning Technology. Sustainability, 2022, 14, 5964.	1.6	4
3924	Rolling Bearing Fault Diagnosis Method Based on SSA-ELM. Smart Innovation, Systems and Technologies, 2022, , 531-538.	0.5	1
3925	Data-driven real-time control method for process equipment in flow shop towards product quality improvement. Procedia CIRP, 2022, 107, 908-913.	1.0	2
3926	Optimization of Channel Estimation Using ELMx-based in Massive MIMO. Computers, Materials and Continua, 2022, 73, 103-118.	1.5	0
3927	A Novel Key Features Screening Method Based on Extreme Learning Machine for Alzheimer's Disease Study. Frontiers in Aging Neuroscience, 2022, 14, .	1.7	3
3928	Vibration trend measurement of hydropower generating unit based on KELM optimized with HSMAHHO algorithm and error correction. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 9367-9383.	1.1	1
3929	Improved swarm-wavelet based extreme learning machine for myoelectric pattern recognition. Biomedical Signal Processing and Control, 2022, 77, 103737.	3.5	2
3930	Classification and Concentration Prediction of VOCs With High Accuracy Based on an Electronic Nose Using an ELM-ELM Integrated Algorithm. IEEE Sensors Journal, 2022, 22, 14458-14469.	2.4	13

#	Article	IF	CITATIONS
3931	3D Convolutional Neural Networks with Hybrid Attention Mechanism for Early Diagnosis of Alzheimer's Disease. SSRN Electronic Journal, $0, , \ldots$	0.4	0
3932	Dropout Deep Neural Network Assisted Transfer Learning for Bi-Objective Pareto AGC Dispatch. IEEE Transactions on Power Systems, 2023, 38, 1432-1444.	4.6	10
3933	Competition-Driven Multimodal Multiobjective Optimization and Its Application to Feature Selection for Credit Card Fraud Detection. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7845-7857.	5.9	24
3934	Multiattribute Sample Learning for Hyperspectral Image Classification Using Hierarchical Peak Attribute Propagation. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-17.	2.4	10
3935	Tree-line Contradictory Risk Early Warning Technology of Rural Distribution Network Considering Severe Convective Weather., 2022,,.		0
3936	Reducing the number of trees in a forest using noisy features. Evolving Systems, 2023, 14, 157-174.	2.4	2
3937	Grayscale image statistics of COVIDâ€19 patient CT scans characterize lung condition with machine and deep learning. Chronic Diseases and Translational Medicine, 2022, 8, 191-206.	0.9	1
3938	An Improved Multi-Label Learning Method with ELM-RBF and a Synergistic Adaptive Genetic Algorithm. Algorithms, 2022, 15, 185.	1.2	3
3939	An improved method for classifying depth-based human actions using self-adaptive evolutionary technique. Journal of Ambient Intelligence and Humanized Computing, 2024, 15, 157-173.	3.3	0
3940	Adaptive busâ€voltage control of ship power system with online fluctuation prediction. IET Generation, Transmission and Distribution, 0, , .	1.4	2
3941	A novel MCDM ensemble approach of designing an ELM based predictor for stock index price forecasting. Intelligent Decision Technologies, 2022, 16, 387-406.	0.6	3
3942	Diagnosis of Alzheimer's Disease with Extreme Learning Machine on Whole-Brain Functional Connectivity. Concepts in Magnetic Resonance Part B, 2022, 2022, 1-14.	0.3	1
3943	Condition assessment of high-speed railway track structure based on sparse Bayesian extreme learning machine and Bayesian hypothesis testing. International Journal of Rail Transportation, 2023, 11, 364-388.	1.8	4
3944	A cooperative genetic algorithm based on extreme learning machine for data classification. Soft Computing, 2022, 26, 8585-8601.	2.1	5
3945	Robust computational approach to determine the safe mud weight window using well-log data from a large gas reservoir. Marine and Petroleum Geology, 2022, 142, 105772.	1.5	22
3946	Extreme learning machine and ensemble techniques for classification of rolling element bearing defects. Life Cycle Reliability and Safety Engineering, 0, , .	0.6	0
3948	Semisupervised Manifold Regularization via a Subnetwork-Based Representation Learning Model. IEEE Transactions on Cybernetics, 2023, 53, 6923-6936.	6.2	3
3949	Characterizing phenotypes for Mental Health Disorders with Wrapper-typed Feature selection techniques:., 2022,,.		0

#	Article	IF	CITATIONS
3950	Real-Time Energy Management Strategy Based on Driving Conditions Using a Feature Fusion Extreme Learning Machine. Energies, 2022, 15, 4353.	1.6	0
3951	Soft sensor with deep feature extraction for a sugarcane milling system. Journal of Food Process Engineering, 0, , .	1.5	2
3952	A novel random subspace method considering complementarity between unsupervised and supervised deep representation features for soft sensors. Measurement Science and Technology, 0, , .	1.4	1
3953	Multimodal Classification: Current Landscape, Taxonomy and Future Directions. ACM Computing Surveys, 2023, 55, 1-31.	16.1	19
3954	Randomized Convolutional Neural Network Architecture for Eyewitness Tweet Identification During Disaster. Journal of Grid Computing, 2022, 20, .	2.5	4
3955	Optimal Regulation Method of Greenhouse Light Environment considering Photosynthetic Rate Model Error. Mathematical Problems in Engineering, 2022, 2022, 1-14.	0.6	0
3956	Estimating discharge coefficient of side weirs in trapezoidal and rectangular flumes using outlier robust extreme learning machine. Applied Water Science, 2022, 12, .	2.8	2
3957	Lagrangian Regularized Twin Extreme Learning Machine for Supervised and Semi-Supervised Classification. Symmetry, 2022, 14, 1186.	1.1	2
3958	Joint timeliness and security provisioning for enhancement of dependability in Internet of Vehicle system. International Journal of Distributed Sensor Networks, 2022, 18, 155013292211052.	1.3	4
3959	Identification and removal of contaminants in sEMG recordings through a methodology based on Fuzzy Inference and Actor-Critic Reinforcement learning. Expert Systems With Applications, 2022, 206, 117772.	4.4	3
3960	Spectral knowledge-based regression for laser-induced breakdown spectroscopy quantitative analysis. Expert Systems With Applications, 2022, 205, 117756.	4.4	12
3961	Hierarchical Activity Recognition Based on Belief Functions Theory in Body Sensor Networks. IEEE Sensors Journal, 2022, 22, 15211-15221.	2.4	4
3963	Design and Challenges of Edge Computing ASICs on Front-End Electronics. , 2022, , .		1
3964	Hybrid regression model via multivariate adaptive regression spline and online sequential extreme learning machine and its application in vision servo system. International Journal of Advanced Robotic Systems, 2022, 19, 172988062211086.	1.3	4
3965	A Heterogeneous AdaBoost Ensemble Based Extreme Learning Machines for Imbalanced Data. , 2022, , 568-585.		0
3966	Performance Prediction and Optimization of Solar Water Heater via a Knowledge-Based Machine Learning Method., 2022,, 714-733.		0
3967	The analysis and re-optimization of food systems by using intelligent optimization algorithms and machine learning. International Journal of Transgender Health, 2022, 15, 656-677.	1.1	1
3968	Fractal adaptive weight synthesized–local directional pattern–based image classification using enhanced tree seed algorithm. Environmental Science and Pollution Research, 0, , .	2.7	0

#	Article	IF	CITATIONS
3969	Prediction for magnetostriction magnetorheological foam using machine learning method. Journal of Applied Polymer Science, $0, , .$	1.3	2
3970	Predicting Entrepreneurial Intention of Students: Kernel Extreme Learning Machine with Boosted Crow Search Algorithm. Applied Sciences (Switzerland), 2022, 12, 6907.	1.3	3
3971	Double-kernelized weighted broad learning system for imbalanced data. Neural Computing and Applications, 2022, 34, 19923-19936.	3.2	3
3972	TSTELM: Two-Stage Transfer Extreme Learning Machine for Unsupervised Domain Adaptation. Computational Intelligence and Neuroscience, 2022, 2022, 1-18.	1.1	5
3973	Non-iterative learning machine for identifying CoViD19 using chest X-ray images. Scientific Reports, 2022, 12, .	1.6	0
3974	Emerging methodologies in stability and optimization problems of learningâ€based nonlinear model predictive control: A survey. International Journal of Circuit Theory and Applications, 2022, 50, 4146-4170.	1.3	8
3975	Predicting shear wave velocity from conventional well logs with deep and hybrid machine learning algorithms. Journal of Petroleum Exploration and Production, 2023, 13, 19-42.	1.2	22
3976	Fault analysis of photovoltaic based DC microgrid using deep learning randomized neural network. Applied Soft Computing Journal, 2022, 126, 109314.	4.1	9
3977	Optimal instance subset selection from big data using genetic algorithm and open source framework. Journal of Big Data, 2022, 9, .	6.9	2
3978	A novel crude oil prices forecasting model based on secondary decomposition. Energy, 2022, 257, 124684.	4.5	14
3979	Auto-encoder-extreme learning machine model for boiler NOx emission concentration prediction. Energy, 2022, 256, 124552.	4.5	73
3980	A hybrid framework based on extreme learning machine, discrete wavelet transform, and autoencoder with feature penalty for stock prediction. Expert Systems With Applications, 2022, 207, 118006.	4.4	11
3981	An Intrusion Detection Method Integrating KNN and Transfer Extreme Learning Machine. , 2022, , .		0
3982	Performance Analysis of Breast Cancer Detection Method Using ANFIS Classification Approach. Computer Systems Science and Engineering, 2023, 44, 501-517.	1.9	2
3983	Brain tumor detection from 3D MRI using Hyper‣ayer Convolutional Neural Networks and Hyperâ€Heuristic Extreme Learning Machine. Concurrency Computation Practice and Experience, 0, , .	1.4	1
3984	Domain adaptive subspace transfer model for sensor drift compensation in biologically inspired electronic nose. Expert Systems With Applications, 2022, 208, 118237.	4.4	6
3985	Universum based kernelized weighted extreme learning machine for imbalanced datasets. International Journal of Machine Learning and Cybernetics, 0, , .	2.3	0
3986	Diverse activation functions based-hybrid RBF-ELM neural network for medical classification. Evolutionary Intelligence, 2024, 17, 829-845.	2.3	4

#	Article	IF	CITATIONS
3987	Efficient Spatio-Temporal Tactile Object Recognition with Randomized Tiling Convolutional Networks in a Hierarchical Fusion Strategy. Proceedings of the AAAI Conference on Artificial Intelligence, 2016, 30, .	3.6	14
3988	Detection of Wheel Diameter Difference of Railway Wagon by ACMD-FBD and Optimized MKELM. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	2.4	3
3989	Optimizing Extreme Learning Machine by Animal Migration Optimization. , 2022, , .		0
3990	Fault Prediction of Power Electronics Module based on RELM-AdaBoost. , 2022, , .		1
3991	The Air Quality Prediction on Deep Spatiotemporal Feature Extraction with a Transductive Kernel Extreme Learning Machine. , 2022, , .		0
3992	Extreme learning machine tuning by original sine cosine algorithm. , 2022, , .		6
3993	Comparison of Principal-Component-Analysis-Based Extreme Learning Machine Models for Boiler Output Forecasting. Applied Sciences (Switzerland), 2022, 12, 7671.	1.3	6
3994	Advances of machine learning in multi-energy district communitiesâ€' mechanisms, applications and perspectives. Energy and Al, 2022, 10, 100187.	5.8	29
3995	Fault Diagnosis in Wind Energy Management System using Extreme Learning Machine: A Systematic Review. Journal of Physics: Conference Series, 2022, 2319, 012014.	0.3	0
3996	Solubility of gaseous hydrocarbons in ionic liquids using equations of state and machine learning approaches. Scientific Reports, 2022, $12$ , .	1.6	3
3997	Missing Well Logs Prediction Based on Hybrid Kernel Extreme Learning Machine Optimized by Bayesian Optimization. Applied Sciences (Switzerland), 2022, 12, 7838.	1.3	1
3998	Next-generation antivirus endowed with web-server Sandbox applied to audit fileless attack. Soft Computing, $0, , .$	2.1	0
3999	C-Loss-Based Doubly Regularized Extreme Learning Machine. Cognitive Computation, 0, , .	3.6	1
4000	Developing a novel stock index trend predictor model by integrating multiple criteria decision-making with an optimized online sequential extreme learning machine. Granular Computing, 2023, 8, 411-440.	4.4	3
4001	A global extended extreme learning machine combined with electronic nose for identifying tea gas information. Measurement and Control, 0, , 002029402210909.	0.9	1
4002	Construction of Predictive Model for Type 2 Diabetic Retinopathy Based on Extreme Learning Machine. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 0, Volume 15, 2607-2617.	1.1	1
4003	Automatic detection of vocal cord disorders using machine learning method for healthcare system. International Journal of Systems Assurance Engineering and Management, 2024, 15, 429-438.	1.5	0
4004	Research on Kinetic Energy Recovery of Energy Vehicle ABS Solenoid Valve Based on the ELM Deep Learning Model. Computational Intelligence and Neuroscience, 2022, 2022, 1-7.	1.1	1

#	Article	IF	CITATIONS
4005	Olfactory visualization sensor system based on colorimetric sensor array and chemometric methods for high precision assessing beef freshness. Meat Science, 2022, 194, 108950.	2.7	11
4006	Deep learning enabled class imbalance with sand piper optimization based intrusion detection for secure cyber physical systems. Cluster Computing, 2023, 26, 2085-2098.	3.5	3
4007	A Kernel Extreme Learning Machine-Grey Wolf Optimizer (KELM-GWO) Model to Predict Uniaxial Compressive Strength of Rock. Applied Sciences (Switzerland), 2022, 12, 8468.	1.3	19
4008	Inversion of the hybrid machine learning model to estimate leaf area index of winter wheat from GaoFen-6 WFV imagery. Geocarto International, 2024, 37, 16307-16322.	1.7	4
4009	Performance improvement of solid oxide fuel cells by combining three-dimensional CFD modeling, artificial neural network and genetic algorithm. Energy Conversion and Management, 2022, 268, 116026.	4.4	22
4010	A new crude oil futures forecasting method based on fusing quadratic forecasting with residual forecasting., 2022, 130, 103691.		4
4011	Country-wide solar power load profile for Germany 2015 to 2019: The impact of system curtailments on prediction models. Energy Conversion and Management, 2022, 269, 116096.	4.4	3
4012	Correlation-based feature selection using bio-inspired algorithms and optimized KELM classifier for glaucoma diagnosis. Applied Soft Computing Journal, 2022, 128, 109432.	4.1	12
4013	Multi-step daily forecasting of reference evapotranspiration for different climates of India: A modern multivariate complementary technique reinforced with ridge regression feature selection. Agricultural Water Management, 2022, 272, 107812.	2.4	26
4014	Numerical performance evaluation of debonding strength in fiber reinforced polymer composites using three hybrid intelligent models. Advances in Engineering Software, 2022, 173, 103193.	1.8	6
4015	Proposing several hybrid SSAâ€"machine learning techniques for estimating rock cuttability by conical pick with relieved cutting modes. Acta Geotechnica, 2023, 18, 1431-1446.	2.9	16
4016	Adaptive 1-dimensional time invariant learning for inertial sensor-based gait authentication. Neural Computing and Applications, 2023, 35, 2737-2753.	3.2	4
4017	Integrating remote sensing, irrigation suitability and statistical data for irrigated cropland mapping over mainland China. Journal of Hydrology, 2022, 613, 128413.	2.3	6
4018	Broad learning system based on driving amount and optimization solution. Engineering Applications of Artificial Intelligence, 2022, 116, 105353.	4.3	3
4019	Prediction and optimization of thermal comfort, IAQ and energy consumption of typical air-conditioned rooms based on a hybrid prediction model. Building and Environment, 2022, 225, 109576.	3.0	16
4020	Variational quantum extreme learning machine. Neurocomputing, 2022, 512, 83-99.	3.5	6
4021	Plant-scale biogas production prediction based on multiple hybrid machine learning technique. Bioresource Technology, 2022, 363, 127899.	4.8	18
4022	Stability improvement of the PSS-connected power system network with ensemble machine learning tool. Energy Reports, 2022, 8, 11122-11138.	2.5	7

#	Article	IF	CITATIONS
4023	A multivariable hybrid prediction model of offshore wind power based on multi-stage optimization and reconstruction prediction. Energy, 2023, 262, 125428.	4.5	6
4024	Application of self-adaptive multiple-kernel extreme learning machine to improve MI-BCI performance of subjects with BCI illiteracy. Biomedical Signal Processing and Control, 2023, 79, 104183.	3.5	1
4025	Predictive Situation Awareness and Anomaly Forecasting in Cyber-Physical Systems., 2022,, 61-84.		0
4026	Introduction to Deep Learning. , 2022, , 33-89.		0
4027	Kernelized Similarity Learning and Embedding for Dynamic Texture Synthesis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 824-837.	5.9	0
4028	Multiple Kernel Subspace Learning for Clustering and Classification. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-14.	4.0	4
4029	A Novel Ellipsoidal Semisupervised Extreme Learning Machine Algorithm and Its Application in Wind Turbine Blade Icing Fault Detection. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-16.	2.4	3
4030	Remaining Useful Life Estimation for Ball Bearings Using Feature Engineering and Extreme Learning Machine. IFAC-PapersOnLine, 2022, 55, 198-203.	0.5	6
4031	A Multimodal Approach for Mania Level Prediction in Bipolar Disorder. IEEE Transactions on Affective Computing, 2022, 13, 2119-2131.	5.7	8
4032	Quality Prediction of Continuous Casting Slabs Based on Weighted Extreme Learning Machine. IEEE Access, 2022, 10, 78231-78241.	2.6	4
4033	Vessel Trajectory Prediction in Maritime Transportation: Current Approaches and Beyond. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19980-19998.	4.7	29
4034	An Enhanced Deep Learning Neural Network for the Detection and Identification of Android Malware. IEEE Internet of Things Journal, 2023, 10, 8560-8577.	5.5	15
4035	Gait Pattern Recognition Based on Plantar Pressure Signals and Acceleration Signals. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	2.4	5
4036	Accurate Prediction of Plant-Scale Biogas Production Based on Multiple Hybrid Machine Learning. SSRN Electronic Journal, 0, , .	0.4	0
4037	An improved KPLS-KELM method for breast cancer detection. , 2022, , .		0
4038	Integrated energy management of hybrid power supply based on short-term speed prediction. Energy, 2023, 262, 125620.	4.5	5
4039	Minimum Variance Embedded Random Vector Functional Link Network with Privileged Information. , 2022, , .		4
4040	Covid-19 Diagnosis via Voice Using Online Sequential Extreme Learning Machine. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
4041	Crop Classification Using a Combination of Spectral Indices from Spatiotemporal Multispectral Imagery and Machine Learning. , 2022, , .		1
4042	Graph-Cut-Based Node Embedding for Dimensionality Reduction and Classification of Hyperspectral Remote Sensing Images. , 2022, , .		O
4043	Distribution Adaptation and Classification Framework Based on Multiple Kernel Learning for Motor Imagery BCI Illiteracy. Sensors, 2022, 22, 6572.	2.1	3
4044	Effect of social media rumors on stock market volatility: A case of data mining in China. Frontiers in Physics, 0, 10, .	1.0	2
4045	Feature Selection Methods for Extreme Learning Machines. Axioms, 2022, 11, 444.	0.9	2
4046	An Efficient Approach for Accident Severity Classification in Smart Transportation System. Arabian Journal for Science and Engineering, 2023, 48, 9645-9659.	1.7	1
4047	Brand identification of transparent intumescent fire retardant coatings using portable Raman spectroscopy and machine learning. Vibrational Spectroscopy, 2022, 122, 103428.	1.2	2
4048	Enhanced Moth-flame Optimizer with Quasi-Reflection and Refraction Learning with Application to Image Segmentation and Medical Diagnosis. Current Bioinformatics, 2023, 18, 109-142.	0.7	4
4049	A Novel Prediction Model: ELM-ABC for Annual GDP in the Case of SCO Countries. Computational Economics, 2023, 62, 1545-1566.	1.5	2
4051	A ML-Based Wind Speed Prediction Model with Truncated Real-Time Decomposition and Multi-Resolution Data. Applied Sciences (Switzerland), 2022, 12, 9610.	1.3	1
4052	Analysis of Deep Learning Techniques for Dental Informatics: A Systematic Literature Review. Healthcare (Switzerland), 2022, 10, 1892.	1.0	12
4053	Training of an Extreme Learning Machine Autoencoder Based on an Iterative Shrinkage-Thresholding Optimization Algorithm. Applied Sciences (Switzerland), 2022, 12, 9021.	1.3	2
4054	Application of Extreme Learning Machine Algorithm for Drought Forecasting. Complexity, 2022, 2022, 1-28.	0.9	2
4055	Subsynchronous oscillation detection via cycle-based feature extraction and weighted kernel extreme learning machine. Frontiers in Energy Research, 0, $10$ , .	1.2	0
4056	Identification of Similar Electrical Loads in Smart Homes with 100% Accuracy Provided by a Convolutional Neural Network with Minimum Parameters. Journal of Control, Automation and Electrical Systems, 2023, 34, 137-149.	1.2	3
4057	Machine Learning and Reverse Methods for a Deeper Understanding of Public Roadway Improvement Action Impacts during Execution. Journal of Advanced Transportation, 2022, 2022, 1-22.	0.9	0
4058	Metaheuristics with federated learning enabled intrusion detection system in Internet of Things environment. Expert Systems, 2023, 40, .	2.9	3
4059	Forecasting of solar radiation using different machine learning approaches. Neural Computing and Applications, 2023, 35, 887-906.	3.2	28

#	ARTICLE	IF	CITATIONS
4060	Fast facial expression recognition using Boosted Histogram of Oriented Gradient (BHOG) features. Pattern Analysis and Applications, 2023, 26, 381-402.	3.1	2
4061	Prediction Model of Ischemic Stroke based on Machine Learning. Journal of Circuits, Systems and Computers, 0, , .	1.0	O
4062	Modeling and Forecasting of Rice Prices in India during the COVID-19 Lockdown Using Machine Learning Approaches. Agronomy, 2022, 12, 2133.	1.3	8
4063	A Local Quadratic Embedding Learning Algorithm and Applications for Soft Sensing. Engineering, 2022,	3.2	O
4064	A Wavelet PM2.5 Prediction System Using Optimized Kernel Extreme Learning with Boruta-XGBoost Feature Selection. Mathematics, 2022, 10, 3566.	1.1	11
4065	Discriminative Extreme Learning Machine with Cross-Domain Mean Approximation for Unsupervised Domain Adaptation. Complexity, 2022, 2022, 1-22.	0.9	O
4066	A method for diagnosing rolling bearing faults based on SDAE-ADHKELM. Measurement Science and Technology, 2023, 34, 025004.	1.4	1
4067	Football Event Classification Using Convolutional Autoencoder and Multilayer Extreme Learning Machine. , 2022, 6, 1-4.		3
4068	Predicting the number of Covid-19 cases in Surabaya using hybrid extreme machine learning with particle swarm optimization. AIP Conference Proceedings, 2022, , .	0.3	0
4069	Early Identification of Crop Disease Using Deep Convolution Neural Networks. Lecture Notes in Networks and Systems, 2023, , 731-742.	0.5	0
4070	Robust Extreme Learning Machine Using New Activation and Loss Functions Based on M-Estimation for Regression and Classification. Scientific Programming, 2022, 2022, 1-10.	0.5	3
4071	Model NOx, SO2 Emissions Concentration and Thermal Efficiency of CFBB Based on a Hyper-Parameter Self-Optimized Broad Learning System. Energies, 2022, 15, 7700.	1.6	2
4072	Short-Term Solar Irradiance Prediction Based on Adaptive Extreme Learning Machine and Weather Data. Sensors, 2022, 22, 8218.	2.1	1
4073	Evaluation of Coalbed Methane Content by Using Kernel Extreme Learning Machine and Geophysical Logging Data. Geofluids, 2022, 2022, 1-28.	0.3	2
4074	A dual drift compensation framework based on subspace learning and cross-domain adaptive extreme learning machine for gas sensors. Knowledge-Based Systems, 2023, 259, 110024.	4.0	10
4075	Application of Six Metaheuristic Optimization Algorithms and Random Forest in the uniaxial compressive strength of rock prediction. Applied Soft Computing Journal, 2022, 131, 109729.	4.1	24
4076	A Novel Fault Diagnosis Method for Rolling Bearing Based on Hierarchical Refined Composite Multiscale Fluctuation-Based Dispersion Entropy and PSO-ELM. Entropy, 2022, 24, 1517.	1.1	8
4077	Estimating the Bond Strength of FRP Bars Using a Hybrid Machine Learning Model. Buildings, 2022, 12, 1654.	1.4	3

#	ARTICLE	IF	CITATIONS
4078	A new periocular dataset collected by mobile devices in unconstrained scenarios. Scientific Reports, 2022, 12, .	1.6	8
4079	Multilayer Fisher extreme learning machine for classification. Complex & Intelligent Systems, 0, , .	4.0	0
4080	Large-scale photonic natural language processing. Photonics Research, 2022, 10, 2846.	3.4	9
4081	An Efficient Intrusion Detection Method Based on Federated Transfer Learning and an Extreme Learning Machine with Privacy Preservation. Security and Communication Networks, 2022, 2022, 1-13.	1.0	4
4082	High-impedance fault identification and location by using mode decomposition integrated adaptive multi-kernel extreme learning machine technique for distributed generator-based microgrid. Electrical Engineering, 2023, 105, 383-406.	1.2	4
4083	A data-driven framework for performance prediction and parameter optimization of a proton exchange membrane fuel cell. Energy Conversion and Management, 2022, 271, 116338.	4.4	8
4084	Comparison of machine learning methods for predicting the methane production from anaerobic digestion of lignocellulosic biomass. Energy, 2023, 263, 125883.	<b>4.</b> 5	16
4085	Ensemble-Based Semi-Supervised Learning for Milling Chatter Detection. Machines, 2022, 10, 1013.	1.2	5
4086	Response surface methods based in artificial intelligence for superstructure thermoeconomic optimization of waste heat recovery systems in a large internal combustion engine. Energy Conversion and Management, 2022, 271, 116275.	4.4	4
4087	Hyperspectral image classification based on combining texture and multiscale guided filter feature of principal component. Infrared Physics and Technology, 2022, 127, 104415.	1.3	1
4088	A new hybrid method based on sparrow search algorithm optimized extreme learning machine for brittleness evaluation. Journal of Applied Geophysics, 2022, 207, 104845.	0.9	9
4089	Optimization of Electrocardiogram Classification Using Dipper Throated Algorithm and Differential Evolution. Computers, Materials and Continua, 2023, 74, 2379-2395.	1.5	0
4090	Multi-level Fusion ofÂFisher Vector Encoded BERT andÂWav2vec 2.0 Embeddings forÂNative Language Identification. Lecture Notes in Computer Science, 2022, , 391-403.	1.0	0
4091	A Survey on EEG-Based Solutions for Emotion Recognition With a Low Number of Channels. IEEE Access, 2022, 10, 117411-117428.	2.6	12
4092	Identifying License Plates in Distorted Vehicle Images: Detecting Distorted Vehicle Licence Plates Using a Novel Preprocessing Methods With Hybrid Feature Descriptors. IEEE Intelligent Transportation Systems Magazine, 2023, 15, 6-25.	2.6	1
4093	Linearizing Battery Degradation for Health-Aware Vehicle Energy Management. IEEE Transactions on Power Systems, 2023, 38, 4890-4899.	4.6	3
4094	Development of wavelet-based Kalman Online Sequential Extreme Learning Machine optimized with Boruta-Random Forest for drought index forecasting. Engineering Applications of Artificial Intelligence, 2023, 117, 105545.	4.3	18
4095	Intelligent Fault Diagnosis of Wind Turbine Gearbox Based on Multi-stage Extreme Gradient Boosting. , 2022, , .		O

#	Article	IF	CITATIONS
4096	A survey of recent advances in image steganography. Security and Privacy, 2023, 6, .	1.9	2
4097	Hyperspectral image classification based on three-dimensional adaptive sampling and improved iterative shrinkage-threshold algorithm. Journal of Visual Communication and Image Representation, 2023, 90, 103693.	1.7	2
4098	Multimodal medical image fusion using convolutional neural network and extreme learning machine. Frontiers in Neurorobotics, $0,16,1$	1.6	4
4099	An efficient hybrid grey wolf optimization-based KELM approach for prediction of the discharge coefficient of submerged radial gates. Soft Computing, 2023, 27, 3623-3640.	2.1	6
4100	Underwater Backscatter Recognition Using Deep Fuzzy Extreme Convolutional Neural Network Optimized via Hunger Games Search. Neural Processing Letters, 2023, 55, 4843-4870.	2.0	1
4101	An Optimistic Bayesian Optimization Based Extreme Learning Machine for Polycystic Ovary Syndrome Diagnosis. Intelligent Systems Reference Library, 2023, , 175-193.	1.0	0
4102	A review on Alzheimer's disease classification from normal controls and mild cognitive impairment using structural MR images. Journal of Neuroscience Methods, 2023, 384, 109745.	1.3	12
4103	Efficient Deep Reinforcement Learning for Optimal Path Planning. Electronics (Switzerland), 2022, 11, 3628.	1.8	7
4104	A Fault Diagnosis Method of Rolling Bearing Based on Attention Entropy and Adaptive Deep Kernel Extreme Learning Machine. Energies, 2022, 15, 8423.	1.6	2
4105	Evolving fuzzy neural network based on null-unineurons for the identification of coronary artery disease. , 2022, , .		0
4106	A data-driven fault detection and diagnosis method via just-in-time learning for unmanned ground vehicles. Automatika, 2023, 64, 277-290.	1.2	3
4107	Prediction and evaluation of surface roughness with hybrid kernel extreme learning machine and monitored tool wear. Journal of Manufacturing Processes, 2022, 84, 1541-1556.	2.8	10
4108	EEG-based covert speech decoding using random rotation extreme learning machine ensemble for intuitive BCI communication. Biomedical Signal Processing and Control, 2023, 80, 104379.	3.5	7
4109	Semi-supervised learning with graph convolutional extreme learning machines. Expert Systems With Applications, 2023, 213, 119164.	4.4	10
4110	Range-free Localization Using Extreme Learning Machine and Ring-shaped Salp Swarm Algorithm in Anisotropic Networks. IEEE Internet of Things Journal, 2022, , 1-1.	5.5	0
4111	Automatic Recognition of Multiple Weld Types Based on Structured Light Vision Sensor Using Deep Transfer Learning. IEEE Sensors Journal, 2023, 23, 7142-7152.	2.4	2
4112	NSCKL: Normalized Spectral Clustering With Kernel-Based Learning for Semisupervised Hyperspectral Image Classification. IEEE Transactions on Cybernetics, 2023, 53, 6649-6662.	6.2	32
4113	A Fully Interpretable First-Order TSK Fuzzy System and Its Training With Negative Entropic and Rule-Stability-Based Regularization. IEEE Transactions on Fuzzy Systems, 2023, 31, 2305-2319.	6.5	7

#	Article	IF	CITATIONS
4114	Inversion study of soil organic matter content based on reflectance spectroscopy and the improved hybrid extreme learning machine. Infrared Physics and Technology, 2023, 128, 104488.	1.3	6
4115	A novel compound fault-tolerant method based on online sequential extreme learning machine with cycle reservoir for turbofan engine direct thrust control. Aerospace Science and Technology, 2023, 132, 108059.	2.5	17
4116	Ozone air concentration trend attributes assist hours-ahead forecasts from univariate recorded data avoiding exogenous data inputs. Urban Climate, 2023, 47, 101382.	2.4	2
4117	Supply chain risk management with machine learning technology: A literature review and future research directions. Computers and Industrial Engineering, 2023, 175, 108859.	3.4	21
4118	A multi-class classification model with parametrized target outputs for randomized-based feedforward neural networks. Applied Soft Computing Journal, 2023, 133, 109914.	4.1	5
4119	Lower limb motion recognition based on surface electromyography. Biomedical Signal Processing and Control, 2023, 81, 104443.	3.5	7
4120	Reconstruction and classification of 3D burden surfaces based on two model drived data fusion. Expert Systems With Applications, 2023, 215, 119406.	4.4	2
4121	Review on Unmanned Aerial Vehicle Assisted Sensor Node Localization in Wireless Networks: Soft Computing Approaches. IEEE Access, 2022, 10, 132875-132894.	2.6	13
4122	Partial Multilabel Learning Using Fuzzy Neighborhood-Based Ball Clustering and Kernel Extreme Learning Machine. IEEE Transactions on Fuzzy Systems, 2023, 31, 2277-2291.	6.5	15
4123	Functional extreme learning machine for regression and classification. Mathematical Biosciences and Engineering, 2022, 20, 3768-3792.	1.0	2
4124	A Novel Video Quality Evaluation Method Based on Coarse-to-fine Strategy in Traffic Scenario. , 2022, , .		0
4125	Hybridizing graphâ€based Gaussian mixture model with machine learning for classification of fraudulent transactions. Computational Intelligence, 2022, 38, 2134-2160.	2.1	0
4126	Anomaly data identification for wind farms based on composite machine learning. Journal of Renewable and Sustainable Energy, 2022, 14, 063307.	0.8	1
4127	Distributed random vector functional link network with subspace-based local connections. Shenzhen Daxue Xuebao (Ligong Ban)/Journal of Shenzhen University Science and Engineering, 2022, 39, 675-683.	0.1	0
4128	Identification of Pulmonary Hypertension Animal Models Using a New Evolutionary Machine Learning Framework Based on Blood Routine Indicators. Journal of Bionic Engineering, 2023, 20, 762-781.	2.7	4
4129	Studies on Parameters Affecting Temperature of Liquid Steel and Prediction Using Modified AdaBoost.RT Algorithm Ensemble Extreme Learning Machine. Metals, 2022, 12, 2028.	1.0	3
4130	Multi-Objective Optimization of Sugarcane Milling System Operations Based on a Deep Data-Driven Model. Foods, 2022, 11, 3845.	1.9	2
4131	Quasi zenith satellite system-reflectometry for sea-level measurement and implication of machine learning methodology. Scientific Reports, 2022, 12, .	1.6	6

#	Article	IF	Citations
4132	Class-specific extreme learning machine based on overall distribution for addressing binary imbalance problem. Soft Computing, $0, \dots$	2.1	0
4133	Fault Diagnosis of Wind Turbine Bearings Based on CEEMDAN-GWO-KELM. Energies, 2023, 16, 48.	1.6	6
4134	Meta-Extreme Learning Machine for Short-Term Traffic Flow Forecasting. Applied Sciences (Switzerland), 2022, 12, 12670.	1.3	3
4135	An Extreme Learning Machine for the Simulation of Different Hysteretic Behaviors. Applied Sciences (Switzerland), 2022, 12, 12424.	1.3	2
4136	Prediction of Operation Time of Container Ship at Berth under Uncertain Factors Based on a Hybrid Model Combining PCA and ELM Optimized by IPSO. Journal of Marine Science and Engineering, 2022, 10, 1919.	1.2	0
4137	Active Learning by Extreme Learning Machine with Considering Exploration and Exploitation Simultaneously. Neural Processing Letters, 0, , .	2.0	0
4138	REDS: Random ensemble deep spatial prediction. Environmetrics, 2023, 34, .	0.6	3
4140	Prediction of TOC in Lishui–Jiaojiang Sag Using Geochemical Analysis, Well Logs, and Machine Learning. Energies, 2022, 15, 9480.	1.6	1
4141	Prediction of permeability of highly heterogeneous hydrocarbon reservoir from conventional petrophysical logs using optimized data-driven algorithms. Journal of Petroleum Exploration and Production, 2023, 13, 661-689.	1.2	6
4142	Multi-step wind speed prediction based on an improved multi-objective seagull optimization algorithm and a multi-kernel extreme learning machine. Applied Intelligence, 2023, 53, 16445-16472.	3.3	3
4144	A Review of Machine Learning for Near-Infrared Spectroscopy. Sensors, 2022, 22, 9764.	2.1	24
4145	A Novel Method for Staggered SAR Imaging in an Elevation Multichannel System. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-19.	2.7	0
4146	Enhanced WiFi CSI Fingerprints for Device-Free Localization With Deep Learning Representations. IEEE Sensors Journal, 2023, 23, 2750-2759.	2.4	6
4147	k-Tournament Grasshopper Extreme Learner for FMG-Based Gesture Recognition. Sensors, 2023, 23, 1096.	2.1	1
4148	Chloride Permeability Coefficient Prediction of Rubber Concrete Based on the Improved Machine Learning Technical: Modelling and Performance Evaluation. Polymers, 2023, 15, 308.	2.0	3
4149	Text Classification Using Correlation Based Feature Selection onÂMulti-layer ELM Feature Space. Lecture Notes in Computer Science, 2023, , 355-361.	1.0	1
4150	Air Target Threat Assessment: A Kernel Extreme Learning Machine Based on a Multistrategy Improved Sparrow Search Algorithm. Mathematical Problems in Engineering, 2023, 2023, 1-14.	0.6	0
4151	Probabilistic Electricity Price Forecast With Optimal Prediction Interval. IEEE Transactions on Power Systems, 2024, 39, 442-452.	4.6	0

#	Article	IF	Citations
4152	Two Novel SMOTE Methods for Solving Imbalanced Classification Problems. IEEE Access, 2023, 11, 5816-5823.	2.6	9
4153	Output Layer Structure Optimization for Weighted Regularized Extreme Learning Machine Based on Binary Method. Symmetry, 2023, 15, 244.	1.1	1
4154	Kernel extreme learning machineâ€based general solution to forward kinematics of parallel robots. CAAI Transactions on Intelligence Technology, 0, , .	3.4	0
4155	Exploring the hidden dimensions of an optical extreme learning machine. Journal of the European Optical Society-Rapid Publications, 2023, 19, 8.	0.9	2
4156	A novel correlation Gaussian process regression-based extreme learning machine. Knowledge and Information Systems, 2023, 65, 2017-2042.	2.1	0
4157	A Novel Methodology forÂObject Detection inÂHighly Cluttered Images. Proceedings in Adaptation, Learning and Optimization, 2023, , 10-23.	1.5	1
4158	Randomized Model Structure Selection Approach forÂExtreme Learning Machine Applied toÂAcid Sulfate Soil Detection. Proceedings in Adaptation, Learning and Optimization, 2023, , 32-40.	1.5	2
4159	Progress Toward Machine Learning Methodologies for Laser-Induced Breakdown Spectroscopy With an Emphasis on Soil Analysis. IEEE Transactions on Plasma Science, 2023, 51, 1729-1749.	0.6	4
4160	Predicting California Bearing Ratio of Lateritic Soils Using Hybrid Machine Learning Technique. Buildings, 2023, 13, 255.	1.4	5
4161	Time efficient variants of Twin Extreme Learning Machine. Intelligent Systems With Applications, 2023, 17, 200169.	1.9	2
4162	Accurate visible light positioning technique using extreme learning machine and meta-heuristic algorithm. Optics Communications, 2023, 532, 129245.	1.0	5
4163	A rockburst prediction model based on extreme learning machine with improved Harris Hawks optimization and its application. Tunnelling and Underground Space Technology, 2023, 134, 104978.	3.0	6
4164	Reasoning the Trust of Humans in Robots through Physiological Biometrics in Human-Robot Collaborative Contexts. , 2022, , .		1
4165	Resampling algorithm based on sample similarity and variation coefficient. , 2022, , .		0
4166	Gas Turbine Model Identification Based on Online Sequential Regularization Extreme Learning Machine with a Forgetting Factor. Energies, 2023, 16, 304.	1.6	0
4167	Multichannel Matrix Randomized Autoencoder. Neural Processing Letters, 2023, 55, 6199-6212.	2.0	1
4168	An Adaptive EEG Classification Algorithm Based on CSSD and ELM_Kernel for Small Training Samples. Journal of Healthcare Engineering, 2022, 2022, 1-10.	1.1	6
4169	Deep Learning-Based Short-Term Wind Power Prediction Considering Various Factors. , 2022, , .		0

#	Article	IF	CITATIONS
4170	Multilayer discriminative extreme learning machine for classification. International Journal of Machine Learning and Cybernetics, 2023, 14, 2111-2125.	2.3	2
4171	An integrated Extreme learning machine based on kernel risk-sensitive loss of q-Gaussian and voting mechanism for sample classification. , 2022, , .		O
4172	Domain Adaptation Soft Sensing with Parameter Transferring. , 2022, , .		0
4173	Convolutional Neural Network and Kernel Extreme Learning Machine for Face Recognition. , 2022, , .		1
4174	SAR Image Change Detection Based on Geometric Mean Operator and Extreme Learning Machine. , 2021, ,		0
4175	A Novel Feature Selection Based Text Classification Using Multi-layer ELM. Lecture Notes in Computer Science, 2022, , 33-52.	1.0	2
4176	Stochastic Configuration Based Fuzzy Inference System with Interpretable Fuzzy Rules and Intelligence Search Process. Mathematics, 2023, 11, 614.	1.1	1
4177	A Survey of Machine and Deep Learning Methods for Privacy Protection in the Internet of Things. Sensors, 2023, 23, 1252.	2.1	10
4178	Application of Computational Intelligence Methods in Agricultural Soil–Machine Interaction: A Review. Agriculture (Switzerland), 2023, 13, 357.	1.4	3
4179	Rapid Training of Emulator Embedded Neural Networks for Multi-Fidelity Conceptual Design Studies. , 2023, , .		O
4180	Levy flight-improved grey wolf optimizer algorithm-based support vector regression model for dam deformation prediction. Frontiers in Earth Science, $0,11,1$	0.8	3
4181	Gas path diagnosis method for gas turbine fusing performance analysis models and extreme learning machine. Thermal Science, 2023, , 18-18.	0.5	O
4182	Fabric Wrinkle Objective Evaluation Model with Random Vector Function Link Based on Optimized Artificial Hummingbird Algorithm. Journal of Natural Fibers, 2023, 20, .	1.7	6
4183	Kernel-based modeling. , 2023, , 267-281.		1
4184	Cycle sampling neural network algorithms and applications. Journal of Supercomputing, 2023, 79, 9889-9914.	2.4	1
4185	Covid-19'da Pozitif Vaka Oranı Tahmini İçin Aşırı Öğrenme Makinesi Algoritmaları: KarşılaÅŸtÄ Dýzce Üniversitesi Bilim Ve Teknoloji Dergisi, 2023, 11, 170-188.	±rmalı E	ir Çalış
4186	Random Projection. , 2023, , 395-425.		0
4187	A Novel System Based on Selection Strategy and Ensemble Mode for Non-Ferrous Metal Futures Market Management. Systems, 2023, $11,55$ .	1.2	1

#	Article	IF	CITATIONS
4188	Digital Mapping of Root-Zone Soil Moisture Using UAV-Based Multispectral Data in a Kiwifruit Orchard of Northwest China. Remote Sensing, 2023, 15, 646.	1.8	5
4189	Neuromorphic Neural Interfaces. , 2023, , 1421-1453.		O
4190	Identifying epileptic EEGs and congestive heart failure ECGs under unified framework of wavelet scattering transform, bidirectional weighted (2D)2PCA and KELM. Biocybernetics and Biomedical Engineering, 2023, 43, 279-297.	3.3	3
4191	Optimally pruned extreme learning machine: A new nontuned machine learning model for predicting chlorophyll concentration., 2023,, 299-316.		0
4192	Fuzzy Gain-Scheduling Based Fault Tolerant Visual Servo Control of Quadrotors. Drones, 2023, 7, 100.	2.7	1
4193	Predicting physical fatigue in athletes in rope skipping training using ECG signals. Biomedical Signal Processing and Control, 2023, 83, 104663.	3.5	4
4194	Quantitative structure–activity relationship models for predicting apparent rate constants of organic compounds with ferrate (VI). Science of the Total Environment, 2023, 871, 162043.	3.9	2
4195	Survey and Evaluation of Extreme Learning Machine on TF-IDF Feature for Sentiment Analysis., 2022,,.		0
4196	Research on Leakage Recognition Method of Photovoltaic Connected to Distribution Network Based on NCA and SSA-KELM. Lecture Notes in Electrical Engineering, 2023, , 300-307.	0.3	0
4197	Grayscale Image Statistical Attributes Effectively Distinguish the Severity of Lung Abnormalities in CT Scan Slices of COVID-19 Patients. SN Computer Science, 2023, 4, .	2.3	1
4198	A Modified Neuro-Fuzzy System for Accuracy Improvement of Low-Cost MEMS-Based INS/GPS Navigation System. Wireless Personal Communications, 2023, 129, 1369-1392.	1.8	1
4199	RUE: A robust personalized cost assignment strategy for class imbalance cost-sensitive learning. Journal of King Saud University - Computer and Information Sciences, 2023, 35, 36-49.	2.7	1
4200	Modified online sequential extreme learning machine algorithm using model predictive control approach. Intelligent Systems With Applications, 2023, 18, 200191.	1.9	3
4201	Dual multi-objective optimisation of the cane milling process. Computers and Industrial Engineering, 2023, 179, 109146.	3.4	3
4202	Reliable composite fault diagnosis of hydraulic systems based on linear discriminant analysis and multi-output hybrid kernel extreme learning machine. Reliability Engineering and System Safety, 2023, 234, 109178.	5.1	15
4203	Comparative study of EEG motor imagery classification based on DSCNN and ELM. Biomedical Signal Processing and Control, 2023, 84, 104750.	3.5	6
4204	Fatigue driving detection method based on Time-Space-Frequency features of multimodal signals. Biomedical Signal Processing and Control, 2023, 84, 104744.	3.5	6
4205	Indirect prediction of remaining useful life for lithium-ion batteries based on improved multiple kernel extreme learning machine. Journal of Energy Storage, 2023, 64, 107181.	3.9	5

#	Article	IF	CITATIONS
4206	Identification of Tree Species in Forest Communities at Different Altitudes Based on Multi-Source Aerial Remote Sensing Data. Applied Sciences (Switzerland), 2023, 13, 4911.	1.3	4
4207	Self-adaptive fuzzy learning ensemble systems with dimensionality compression from data streams. Information Sciences, 2023, 634, 382-399.	4.0	2
4208	Machine-learning assisted molecular formula assignment to high-resolution mass spectrometry data of dissolved organic matter. Talanta, 2023, 259, 124484.	2.9	3
4209	Selection of Heat Dissipation Devices for Photovoltaic Power Generation Module based on Cluster Analysis. , 2022, , .		0
4210	Graph embedded intuitionistic fuzzy weighted random vector functional link network. , 2022, , .		0
4211	Machine learning models development for shear strength prediction of reinforced concrete beam: a comparative study. Scientific Reports, 2023, 13, .	1.6	9
4212	An Advanced Decision Tree-Based Deep Neural Network in Nonlinear Data Classification. Technologies, 2023, 11, 24.	3.0	3
4213	Hybrid CEEMDAN-DBN-ELM for online DGA serials and transformer status forecasting. Electric Power Systems Research, 2023, 217, 109176.	2.1	7
4214	Towards online monitoring of concrete dam displacement subject to time-varying environments: An improved sequential learning approach. Advanced Engineering Informatics, 2023, 55, 101881.	4.0	4
4215	AM-RP Stacking PILers: Random projection stacking pseudoinverse learning algorithm based on attention mechanism. Visual Computer, 2024, 40, 273-285.	2.5	O
4216	Novel application of robust GWO-KELM model in predicting discharge coefficient of radial gates: a field data-based analysis. Journal of Hydroinformatics, 2023, 25, 275-299.	1.1	2
4217	Application of Improved PNN in Transformer Fault Diagnosis. Processes, 2023, 11, 474.	1.3	5
4218	Sub-Synchronous Oscillation Recognition Based on Extreme Learning Machine. , 2022, , .		0
4219	A Novel Monogenic Sobel Directional Pattern (MSDP) and Enhanced Bat Algorithm-Based Optimization (BAO) with Pearson Mutation (PM) for Facial Emotion Recognition. Electronics (Switzerland), 2023, 12, 836.	1.8	3
4220	Grey wolf optimization-extreme learning machine for automatic spoken language identification. Multimedia Tools and Applications, 2023, 82, 27165-27191.	2.6	5
4221	Prediction model of hot strip crown based on industrial data and hybrid the PCA-SDWPSO-ELM approach. Soft Computing, 2023, 27, 12483-12499.	2.1	4
4222	Simultaneous Fault Diagnosis Based on Hierarchical Multi-Label Classification and Sparse Bayesian Extreme Learning Machine. Applied Sciences (Switzerland), 2023, 13, 2376.	1.3	2
4223	Hybrid Kernel Extreme Learning Machine-Based Empirical Wavelet Transform for Water Quality Prediction Using Only River Flow as Predictor. Springer Climate, 2023, , 413-429.	0.3	2

#	Article	IF	Citations
4224	Application of a Data Augmentation Technique on Blast-Induced Fly-Rock Distance Prediction. , 2023, , $135-165$ .		0
4225	Multilayer extreme learning machine-based unsupervised deep feature representation for heartbeat classification. Soft Computing, 2023, 27, 12353-12366.	2.1	1
4226	Learning-Based Visual-Strain Fusion for Eye-in-Hand Continuum Robot Pose Estimation and Control. IEEE Transactions on Robotics, 2023, 39, 2448-2467.	7.3	2
4227	Aspect-Sentiment Embeddings forÂCompany Profiling andÂEmployee Opinion Mining. Lecture Notes in Computer Science, 2023, , 142-160.	1.0	2
4228	Feature Selection andÂExtreme Learning Machine Tuning byÂHybrid Sand Cat Optimization Algorithm forÂDiabetes Classification. Communications in Computer and Information Science, 2023, , 188-203.	0.4	0
4229	Skin Cancer Prediction using Enhanced Genetic Algorithm with Extreme Learning Machine. Journal of Trends in Computer Science and Smart Technology, 2023, 5, 1-13.	2.2	2
4230	Actuator fault detection and isolation on multi-rotor UAV using extreme learning neuro-fuzzy systems. ISA Transactions, 2023, 138, 168-185.	3.1	5
4231	Enhancing the emotion task classification in the imbalanced dataset of YouTube© using synthetic minority over-sampling technique. AIP Conference Proceedings, 2023, , .	0.3	0
4232	A low-resolution real-time face recognition using extreme learning machine and its variants. Imaging Science Journal, 2023, 71, 456-471.	0.2	0
4233	Joint Transfer Extreme Learning Machine with Cross-Domain Mean Approximation and Output Weight Alignment. Complexity, 2023, 2023, 1-12.	0.9	0
4234	Feature Ensemble Learning for Sensor Array Data Classification Under Low-Concentration Gas. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-9.	2.4	0
4235	Improving performance of decision threshold moving-based strategies by integrating density-based clustering technique. Electronic Research Archive, 2023, 31, 2501-2518.	0.4	1
4236	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. Frontiers in Computational Neuroscience, 0, 17, .	1.2	0
4237	Predictive Maintenance for Distribution System Operators in Increasing Transformers' Reliability. Electronics (Switzerland), 2023, 12, 1356.	1.8	9
4238	PSO-ELM Optimization Algorithm for Gastroscopic Image Classification. , 2022, , .		0
4239	Application of Deep Wavelet Kernel Extreme Learning Machine in Fault Diagnosis of Tamping Vehicle. Journal of Physics: Conference Series, 2023, 2449, 012030.	0.3	0
4240	Machine Learning for Tactile Perception: Advancements, Challenges, and Opportunities. Advanced Intelligent Systems, 2023, 5, .	3.3	8
4241	Bearing Fault Diagnosis Using Extreme Learning Machine Based on Artificial Gorilla Troops Optimizer. Lecture Notes in Electrical Engineering, 2023, , 87-103.	0.3	0

#	Article	IF	Citations
4242	A Flight Parameter-Based Aircraft Structural Load Monitoring Method Using a Genetic Algorithm Enhanced Extreme Learning Machine. Applied Sciences (Switzerland), 2023, 13, 4018.	1.3	1
4243	A High-Robust Displacement Prediction Model for Super-High Arch Dams Integrating Wavelet De-Noising and Improved Random Forest. Water (Switzerland), 2023, 15, 1271.	1.2	1
4244	Model-free supervised learning-based gait authentication scheme based on optimized gabor features. Soft Computing, 2023, 27, 5053-5062.	2.1	1
4245	Channel Estimation of mmWave Massive MIMO System Based on Manifold Learning. , 2022, , .		1
4246	A hybrid deep learning CNN-ELM approach for parking space detection in Smart Cities. Neural Computing and Applications, 2023, 35, 13665-13683.	3.2	4
4247	Clothing Image Classification with DenseNet201 Network and Optimized Regularized Random Vector Functional Link. Journal of Natural Fibers, 2023, 20, .	1.7	5
4248	A Fresh Way Targeted on Gear Malfunction Detection. , 2022, , .		0
4249	Non-destructive prediction and visualization of anthocyanin content in mulberry fruits using hyperspectral imaging. Frontiers in Plant Science, 0, 14, .	1.7	2
4250	A multi-scale graph embedding method via multiple corpora. Neurocomputing, 2023, 540, 126192.	3.5	0
4251	Enhanced Digital Image Watermarking System using Manta Ray Foraging Comparison with Bi-directional ELM for Data Security. , 2023, , .		0
4252	Single-shot polarimetry of vector beams by supervised learning. Nature Communications, 2023, 14, .	5.8	5
4253	Transfer Extreme Learning Machine with Cross Domain Mean Approximation Projection. , 2022, , .		0
4254	Probabilistic prediction with locally weighted jackknife predictive system. Complex & Intelligent Systems, 0, , .	4.0	0
4255	Short-term Photovoltaic Power Forecasting Using SOM-based Regional Modelling Methods. Chinese Journal of Electrical Engineering, 2023, 9, 158-176.	2.3	1
4256	Intrusion detection algorithom based on transfer extreme learning machine. Intelligent Data Analysis, 2023, 27, 463-482.	0.4	0
4259	Minimum Variance Embedded Intuitionistic Fuzzy Weighted Random Vector Functional Link Network. Lecture Notes in Computer Science, 2023, , 600-611.	1.0	1
4260	Wide Ensemble of Interpretable TSK Fuzzy Classifiers with Application to Smartphone Sensor-Based Human Activity Recognition. Communications in Computer and Information Science, 2023, , 381-394.	0.4	0
4261	Dynamic ensemble pruning algorithms fusing meta-learning with heuristic parameter optimization for time series prediction. Expert Systems With Applications, 2023, 225, 120148.	4.4	3

#	Article	IF	CITATIONS
4262	A Review of multilayer extreme learning machine neural networks. Artificial Intelligence Review, 2023, 56, 13691-13742.	9.7	3
4263	A Novel Node Similarity Measure for Efficient Email Classification. , 2023, , .		0
4264	DAmcqrnn: An approach to censored monotone composite quantile regression neural network estimation. Information Sciences, 2023, 638, 118986.	4.0	1
4265	Inter-patient ECG classification with intra-class coherence based weighted kernel extreme learning machine. Expert Systems With Applications, 2023, 227, 120095.	4.4	3
4266	Theoretical bounds of generalization error for generalized extreme learning machine and random vector functional link network. Neural Networks, 2023, 164, 49-66.	3.3	1
4267	Al-coherent data-driven forecasting model for a combined cycle power plant. Energy Conversion and Management, 2023, 286, 117063.	4.4	10
4269	Experimental Result Analysis of Extreme Learning Machine with Various Activation Functions: An Application in Credit Scoring. Lecture Notes in Electrical Engineering, 2023, , 519-530.	0.3	0
4274	Type-II Fuzzy Kernel-Based Multi-layer Extreme Learning Machine. Lecture Notes in Networks and Systems, 2023, , 601-609.	0.5	0
4282	Smart ATM With Tracking of Criminals Using Novel Di-Pattern and C-LDP (Combined Local Directional) Tj ETQq0	0 0 rgBT /	Overlock 10 1
4284	An Enhanced Adversarial Attacks Method on Power System Based on Model Extraction Algorithm. , 2022, , .		0
4287	Prediction of peatlands forest fire occurrence using extreme learning machine approach. AIP Conference Proceedings, 2023, , .	0.3	0
4296	Neural Network Bootstrap Forecast Distributions withÂExtreme Learning Machines. Communications in Computer and Information Science, 2023, , 532-547.	0.4	0
4299	Adaptive Selection of Decomposed Function Emulators for Rapid Neural Networks., 2023,,.		0
4311	Prediction of Functional Effects of Protein Amino Acid Mutations. Lecture Notes in Computer Science, 2023, , 59-71.	1.0	0
4313	Optimal Parameters Determination for Extreme Learning Machine in the Human Activity Recognition. , 2023, , .		1
4319	A Fused LBP Texture Descriptor-Based Image Retrieval System. Lecture Notes in Electrical Engineering, 2023, , 145-154.	0.3	0
4338	Tracking Control of Adaptive MIMO Nonlinear Systems Using Fuzzy Logic Control and Extreme Learning Machine., 2023,,.		0
4340	Randomized Constructive Neural Network Based onÂRegularized Minimum Error Entropy. Computational Methods in Applied Sciences (Springer), 2023, , 255-274.	0.1	0

#	Article	IF	CITATIONS
4341	Outlier-based models of the non-tuned neural networkâ€"concept. , 2023, , 201-214.		0
4342	Indirect Prediction Method for Remaining Useful Life of Lithium-ion Battery based on Gray Wolf Optimized Extreme Learning Machine., 2023,,.		O
4345	Demagnetization Fault Diagnosis of Traction Motor of New Energy Vehicles Based on Back-EMF Image Data with Improved AM-CNN Model. , 2023, , .		0
4346	Extreme learning machines improved by differential evolution algorithms to estimate the state of health of lithium-ion battery. , 2023, , .		O
4352	Extreme Learning Machines Based onÂConvolutional Neural Network andÂConvolutional Autoencoder forÂlmage Classification: Comparative Study. Communications in Computer and Information Science, 2023, , 233-244.	0.4	0
4360	High-Level Deep Features and Convolutional Neural Network for Evaluating the Classification Performance of File Cluster Types. Lecture Notes in Networks and Systems, 2023, , 1-12.	0.5	0
4369	Machine Learning in Food Security and Sustainability. , 2023, , 1583-1599.		0
4375	Analysis, characterization, prediction, and attribution of extreme atmospheric events with machine learning and deep learning techniques: a review. Theoretical and Applied Climatology, 2024, 155, 1-44.	1.3	4
4378	Optimal latent space for Low-shot Face Recognition. , 2023, , .		0
4395	Mechanical properties: Fatigue. , 2024, , 818-837.		0
4414	Extreme-learning-machine-based architecture to assess the reliability of the integrated energy systems. , 2023, , .		0
4421	A New Training Method for Photovoltaic Forecasting Based on ELM Auto-Encoder and Sparrow Search Algorithm., 2023,,.		0
4423	An Optimum Tuning of Machine Learning Methods for Predicting Magnetorheological Damper Damping Force for Shock and Vibration Mitigation. , 2023, , .		0
4425	Indoor object recognition based on YOLOv5 with EIOU loss function. , 2023, , .		0
4427	COVID-19 Detection in Chest X-Ray Images Using Non-iterative Deterministic Learning Classifier. Lecture Notes in Networks and Systems, 2023, , 353-361.	0.5	0
4434	A Study of Chinese Semantic Analysis Based on Enhanced Lexicon. , 2023, , .		0
4439	Hybrid unorganized machines to estimate the number of hospital admissions caused by PM $\$ _{10}\$\$ concentration. Environmental Science and Pollution Research, 0, , .	2.7	0
4441	Deep Randomized Networks forÂFast Learning. Lecture Notes in Computer Science, 2023, , 121-134.	1.0	0

#	Article	IF	CITATIONS
4450	Enforcement ofÂDNN withÂLDA-PCA-ELM forÂPIE Invariant Few-Shot Face Recognition. Lecture Notes in Computer Science, 2023, , 791-801.	1.0	0
4451	CDFSIP Feature Selection Algorithm Based on ADA-DPC. Communications in Computer and Information Science, 2023, , 354-366.	0.4	0
4455	A Novel Fault Diagnosis Method of PEMFC System Based on Data Space Feature Decision Tree Group and Extreme Learning Machine. , 2023, , .		0
4461	A Novel Temporal Convolutional Network Based on Position Encoding for Remaining Useful Life Prediction. , 2023, , .		0
4462	A Meta-data Based Feature Selection Mechanism to Identify Suspicious Reviews. Communications in Computer and Information Science, 2024, , 218-227.	0.4	0
4466	Ensemble-Based Road Surface Crack Detection: A Comprehensive Approach. Lecture Notes in Computer Science, 2023, , 166-184.	1.0	0
4467	Constructing Extreme Learning Machines with zero Spectral Bias. , 2023, , .		0
4468	Anomaly Detection in Raw Audio Using Extreme Learning Machine. , 2023, , .		0
4477	A PV Power Prediction Method Based On Optimized VMD and Combination Prediction Model Selection Strategy., 2023,,.		0
4478	DBERT-ELVA: Discourse-Aware Extractive Text Summarization with Autoencoder. , 2023, , .		0
4479	Hardware Implementation ofÂMRO-ELM forÂOnline Sequential Learning onÂFPGA. Communications in Computer and Information Science, 2024, , 26-37.	0.4	0
4481	A Extreme Learning Machine with edge preserving residuals for Hyperspectral image classification. , 2023, , .		0
4484	Case Study: Jakarta AQI Classification Using Extreme Learning Machine Method with Oversampling Technique., 2023,,.		0
4494	Intelligent Ensemble-Based Road Crack Detection: A Holistic View. Lecture Notes in Computer Science, 2024, , 307-323.	1.0	0
4503	Diagnosis of Laryngitis and CordectomyÂusing Machine Learning with ML.Net and SVD. Lecture Notes in Networks and Systems, 2024, , 489-500.	0.5	0
4505	A Combined ELM and CNN Model Architecture for Accurate Viral Family DNA Classification., 2023,,.		0
4509	Data-driven multi period operation optimization of active distribution networks., 2023,,.		0
4511	Motor imaginary tasks-based EEG signals classification using continuous wavelet transform and LSTM network., 2024,, 239-256.		0

#	Article	IF	CITATIONS
4514	Embedded Optoelectronics in Fiberglass PCBs and Applications for Robotics with Human Interface and ML-Enabled Detection. , $2023$ , , .		0
4526	Different Components of Sexual Narcissism Are Differentially Associated With Specific Sexual Aggression Strategies: An Exploratory Study Among Male and Female College Students. AIP Conference Proceedings, 2024, ry Study Among Male and Female College Students.	0.3	0
4529	ical Forays., 2023, o 2019: a systematic analysis from the global burden of disease study 2019.		0
4530	., 2023, .		0
4534	., 2023, g Deep Learning.		0
4550	Real-time monitoring and optimization of drilling performance using artificial intelligence techniques: a review., 2024,, 169-210.		0