Cesar Hervas-MartÃ-nez

List of Publications by Year
in descending order

183 papers	4,410 citations	109321 35 h-index	128289 60 g-index
192 all docs	192 docs citations	192 times ranked	3733 citing authors

#	Article	IF	Citations
1	Unimodal regularisation based on beta distribution for deep ordinal regression. Pattern Recognition, 2022, 122, 108310.	8.1	8
2	A novel deep ordinal classification approach for aesthetic quality control classification. Neural Computing and Applications, 2022, 34, 11625-11639.	5.6	10
3	Strategic management practices in Central American micro family enterprises: The case of the commercial sector in El Salvador. Managerial and Decision Economics, 2022, 43, 3454-3465.	2.5	0
4	COVID-19 contagion forecasting framework based on curve decomposition and evolutionary artificial neural networks: A case study in Andalusia, Spain. Expert Systems With Applications, 2022, 207, 117977.	7.6	2
5	Time-Series Clustering Based on the Characterization of Segment Typologies. IEEE Transactions on Cybernetics, 2021, 51, 5409-5422.	9.5	24
6	A novel approach for global solar irradiation forecasting on tilted plane using Hybrid Evolutionary Neural Networks. Journal of Cleaner Production, 2021, 287, 125577.	9.3	12
7	Building Suitable Datasets for Soft Computing and Machine Learning Techniques from Meteorological Data Integration: A Case Study for Predicting Significant Wave Height and Energy Flux. Energies, 2021, 14, 468.	3.1	9
8	Studying the Effect of Different $$L_p$$ Norms in the Context of Time Series Ordinal Classification. Lecture Notes in Computer Science, 2021, , 44-53.	1.3	0
9	Error-Correcting Output Codes in the Framework of Deep Ordinal Classification. Lecture Notes in Computer Science, 2021, , 3-13.	1.3	0
10	Ordinal classification of the affectation level of 3D-images in Parkinson diseases. Scientific Reports, 2021, 11, 7067.	3.3	8
11	Statistical methods versus machine learning techniques for donor-recipient matching in liver transplantation. PLoS ONE, 2021, 16, e0252068.	2.5	14
12	An ordinal CNN approach for the assessment of neurological damage in Parkinsonâ€™s disease patients. Expert Systems With Applications, 2021, 182, 115271.	7.6	11
13	ReLU-Based Activations: Analysis andÂExperimental Study for Deep Learning. Lecture Notes in Computer Science, 2021, , 33-43.	1.3	0
14	Statistically-driven Coral Reef metaheuristic for automatic hyperparameter setting and architecture design of Convolutional Neural Networks. , 2020, , .		2
15	Short- and long-term energy flux prediction using Multi-Task Evolutionary Artificial Neural Networks. Ocean Engineering, 2020, 216, 108089.	4.3	10
16	Time series ordinal classification via shapelets. , 2020, , .		4
17	Machine learning methods in organ transplantation. Current Opinion in Organ Transplantation, 2020, Publish Ahead of Print, 399-405.	1.6	6
18	Prediction of convective clouds formation using evolutionary neural computation techniques. Neural Computing and Applications, 2020, 32, 13917-13929.	5.6	3

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19	Optimising Convolutional Neural Networks using a Hybrid Statistically-driven Coral Reef Optimisation algorithm. Applied Soft Computing Journal, 2020, 90, 106144.	7.2	24
20	Using machine learning methods to determine a typology of patients with HIV-HCV infection to be treated with antivirals. PLoS ONE, 2020, 15, e0227188.	2.5	4
21	Multi-task learning for the prediction of wind power ramp events with deep neural networks. Neural Networks, 2020, 123, 401-411.	5.9	54
22	Cumulative link models for deep ordinal classification. Neurocomputing, 2020, 401, 48-58.	5.9	20
23	Ordinal Versus Nominal Time Series Classification. Lecture Notes in Computer Science, 2020, , 19-29.	1.3	3
24	Multi-objective evolutionary optimization using the relationship between F1 and accuracy metrics in classification tasks. Applied Intelligence, 2019, 49, 3447-3463.	5.3	12
25	Ten Minutes Solar Irradiation Forecasting on Inclined Plane using Evolutionary Product Unit Neural Networks. , 2019, , .		0
26	Dynamical memetization in coral reef optimization algorithms for optimal time series approximation. Progress in Artificial Intelligence, 2019, 8, 253-262.	2.4	3
27	A hybrid dynamic exploitation barebones particle swarm optimisation algorithm for time series segmentation. Neurocomputing, 2019, 353, 45-55.	5.9	19
28	Modelling Survival by Machine Learning Methods in Liver Transplantation: Application to the UNOS Dataset. Lecture Notes in Computer Science, 2019, , 97-104.	1.3	2
29	Simultaneous optimisation of clustering quality and approximation error for time series segmentation. Information Sciences, 2018, 442-443, 186-201.	6.9	5
30	A statistically-driven Coral Reef Optimization algorithm for optimal size reduction of time series. Applied Soft Computing Journal, 2018, 63, 139-153.	7.2	25
31	Partial order label decomposition approaches for melanoma diagnosis. Applied Soft Computing Journal, 2018, 64, 341-355.	7.2	16
32	Time series forecasting by recurrent product unit neural networks. Neural Computing and Applications, 2018, 29, 779-791.	5.6	18
33	Sensitivity versus accuracy in ensemble models of Artificial Neural Networks from Multi-objective Evolutionary Algorithms. Neural Computing and Applications, 2018, 30, 289-305.	5.6	9
34	Validation of artificial neural networks as a methodology for donorâ€recipient matching for liver transplantation. Liver Transplantation, 2018, 24, 192-203.	2.4	47
35	An Empirical Validation of a New Memetic CRO Algorithm for the Approximation of Time Series. Lecture Notes in Computer Science, 2018, , 209-218.	1.3	1
36	Hybrid Weighted Barebones Exploiting Particle Swarm Optimization Algorithm for Time Series Representation. Lecture Notes in Computer Science, 2018, , 126-137.	1.3	1

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37	Distribution-Based Discretisation and Ordinal Classification Applied to Wave Height Prediction. Lecture Notes in Computer Science, 2018, , 171-179.	1.3	1
38	Identification of extreme wave heights with an evolutionary algorithm in combination with a likelihood-based segmentation. Progress in Artificial Intelligence, 2017, 6, 59-66.	2.4	1
39	Identifying Market Behaviours Using European Stock Index Time Series by a Hybrid Segmentation Algorithm. Neural Processing Letters, 2017, 46, 767-790.	3.2	8
40	Dynamically weighted evolutionary ordinal neural network for solving an imbalanced liver transplantation problem. Artificial Intelligence in Medicine, 2017, 77, 1-11.	6.5	35
41	Synthetic semi-supervised learning in imbalanced domains: Constructing a model for donor-recipient matching in liver transplantation. Knowledge-Based Systems, 2017, 123, 75-87.	7.1	9
42	Fine-to-Coarse Ranking in Ordinal and Imbalanced Domains: An Application to Liver Transplantation. Lecture Notes in Computer Science, 2017, , 525-537.	1.3	1
43	Combining Reservoir Computing and Over-Sampling for Ordinal Wind Power Ramp Prediction. Lecture Notes in Computer Science, 2017, , 708-719.	1.3	3
44	A Review of Classification Problems and Algorithms in Renewable Energy Applications. Energies, 2016, 9, 607.	3.1	87
45	Hybridization of neural network models for the prediction of Extreme Significant Wave Height segments. , 2016, , .		0
46	Time Series Representation by a Novel Hybrid Segmentation Algorithm. Lecture Notes in Computer Science, 2016, , 163-173.	1.3	2
47	Classification of Melanoma Presence and Thickness Based on Computational Image Analysis. Lecture Notes in Computer Science, 2016, , 427-438.	1.3	5
48	On the Use of the Beta Distribution for a Hybrid Time Series Segmentation Algorithm. Lecture Notes in Computer Science, 2016, , 418-427.	1.3	0
49	Multiclass Prediction of Wind Power Ramp Events Combining Reservoir Computing and Support Vector Machines. Lecture Notes in Computer Science, 2016, , 300-309.	1.3	5
50	Semi-supervised learning for ordinal Kernel Discriminant Analysis. Neural Networks, 2016, 84, 57-66.	5.9	7
51	Machine Learning Methods for Binary and Multiclass Classification of Melanoma Thickness From Dermoscopic Images. IEEE Transactions on Medical Imaging, 2016, 35, 1036-1045.	8.9	51
52	Selecting patterns and features for between- and within- crop-row weed mapping using UAV-imagery. Expert Systems With Applications, 2016, 47, 85-94.	7.6	132
53	A Study on Multi-Scale Kernel Optimisation via Centered Kernel-Target Alignment. Neural Processing Letters, 2016, 44, 491-517.	3.2	6
54	Enforcement of the principal component analysisâ€“extreme learning machine algorithm by linear discriminant analysis. Neural Computing and Applications, 2016, 27, 1749-1760.	5.6	5

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55	Oversampling the Minority Class in the Feature Space. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1947-1961.	11.3	53
56	Ordinal Regression Methods: Survey and Experimental Study. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 127-146.	5.7	300
57	From outside to hyper-globalisation: an Artificial Neural Network ordinal classifier applied to measure the extent of globalisation. Quality and Quantity, 2016, 50, 549-576.	3.7	1
58	Fisher Score-Based Feature Selection for Ordinal Classification: A Social Survey on Subjective Well-Being. Lecture Notes in Computer Science, 2016, , 597-608.	1.3	8
59	Ordinal Evolutionary Artificial Neural Networks for Solving an Imbalanced Liver Transplantation Problem. Lecture Notes in Computer Science, 2016, , 451-462.	1.3	2
60	Logistic evolutionary product-unit neural network classifier: the case of agrarian efficiency. Progress in Artificial Intelligence, 2015, 4, 59-67.	2.4	0
61	Detection of early warning signals in paleoclimate data using a genetic time series segmentation algorithm. Climate Dynamics, 2015, 44, 1919-1933.	3.8	26
62	Graph-Based Approaches for Over-Sampling in the Context of Ordinal Regression. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 1233-1245.	5.7	48
63	Nonlinear Ordinal Logistic Regression Using Covariates Obtained by Radial Basis Function Neural Networks Models. Lecture Notes in Computer Science, 2015, , 80-91.	1.3	0
64	Classification of countriesâ€™ progress toward a knowledge economy based on machine learning classification techniques. Expert Systems With Applications, 2015, 42, 562-572.	7.6	17
65	An Experimental Comparison for the Identification of Weeds in Sunflower Crops via Unmanned Aerial Vehicles and Object-Based Analysis. Lecture Notes in Computer Science, 2015, , 252-262.	1.3	4
66	Energy Flux Range Classification by Using a Dynamic Window Autoregressive Model. Lecture Notes in Computer Science, 2015, , 92-102.	1.3	1
67	Overcoming the Linearity of Ordinal Logistic Regression Adding Non-linear Covariates from Evolutionary Hybrid Neural Network Models. Lecture Notes in Computer Science, 2015, , 301-311.	1.3	0
68	Evolutionary Product Unit Logistic Regression: The Case of Agrarian Efficiency. Lecture Notes in Computer Science, 2015, , 92-102.	1.3	0
69	Object-Based Image Classification of Summer Crops with Machine Learning Methods. Remote Sensing, 2014, 6, 5019-5041.	4.0	152
70	An evolutionary neural system for incorporating expert knowledge into the UA-FLP. Neurocomputing, 2014, 135, 69-78.	5.9	13
71	Rating the Rich: An Ordinal Classification to Determine Which Rich Countries are Helping Poorer Ones the Most. Social Indicators Research, 2014, 116, 47-65.	2.7	5
72	Simultaneous modelling of rainfall occurrence and amount using a hierarchical nominalâ€“ordinal support vector classifier. Engineering Applications of Artificial Intelligence, 2014, 34, 199-207.	8.1	30

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73	Projection-Based Ensemble Learning for Ordinal Regression. IEEE Transactions on Cybernetics, 2014, 44, 681-694.	9.5	41
74	Ordinal regression neural networks based on concentric hyperspheres. Neural Networks, 2014, 59, 51-60.	5.9	24
75	An organ allocation system for liver transplantation based on ordinal regression. Applied Soft Computing Journal, 2014, 14, 88-98.	7.2	37
76	Addressing remitting behavior using an ordinal classification approach. Expert Systems With Applications, 2014, 41, 4752-4761.	7.6	5
77	Metrics to guide a multi-objective evolutionary algorithm for ordinal classification. Neurocomputing, 2014, 135, 21-31.	5.9	74
78	Classification of EU countriesâ€™ progress towards sustainable development based on ordinal regression techniques. Knowledge-Based Systems, 2014, 66, 178-189.	7.1	19
79	A guided data projection technique for classification of sovereign ratings: The case of European Union 27. Applied Soft Computing Journal, 2014, 22, 339-350.	7.2	11
80	Use of artificial intelligence as an innovative donor-recipient matching model for liver transplantation: Results from a multicenter Spanish study. Journal of Hepatology, 2014, 61, 1020-1028.	3.7	90
81	PpcProject: An educational tool for software project management. Computers and Education, 2013, 69, 181-188.	8.3	12
82	PCA-ELM: A Robust and Pruned Extreme Learning Machine Approach Based on Principal Component Analysis. Neural Processing Letters, 2013, 37, 377-392.	3.2	69
83	Year clustering analysis for modelling olive flowering phenology. International Journal of Biometeorology, 2013, 57, 545-555.	3.0	38
84	Biometeorological and autoregressive indices for predicting olive pollen intensity. International Journal of Biometeorology, 2013, 57, 307-316.	3.0	38
85	Generalised Gaussian radial basis function neural networks. Soft Computing, 2013, 17, 519-533.	3.6	16
86	Memetic Pareto differential evolutionary neural network used to solve an unbalanced liver transplantation problem. Soft Computing, 2013, 17, 275-284.	3.6	7
87	Ensembles of evolutionary product unit or RBF neural networks for the identification of sound for pass-by noise test in vehicles. Neurocomputing, 2013, 109, 56-65.	5.9	9
88	Improvement of accuracy in a sound synthesis method using Evolutionary Product Unit Networks. Expert Systems With Applications, 2013, 40, 1477-1483.	7.6	1
89	Ordinal and nominal classification of wind speed from synoptic pressurepatterns. Engineering Applications of Artificial Intelligence, 2013, 26, 1008-1015.	8.1	18
90	Predicting patient survival after liver transplantation using evolutionary multi-objective artificial neural networks. Artificial Intelligence in Medicine, 2013, 58, 37-49.	6.5	59

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91	Feature selection to enhance a two-stage evolutionary algorithm in product unit neural networks for complex classification problems. Neurocomputing, 2013, 114, 107-117.	5.9	25
92	Exploitation of Pairwise Class Distances for Ordinal Classification. Neural Computation, 2013, 25, 2450-2485.	2.2	27
93	Negative Correlation Ensemble Learning for Ordinal Regression. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1836-1849.	11.3	32
94	Addressing the EU Sovereign Ratings Using an Ordinal Regression Approach. IEEE Transactions on Cybernetics, 2013, 43, 2228-2240.	9.5	26
95	An Extended Approach of a Two-Stage Evolutionary Algorithm in Artificial Neural Networks for Multiclassification Tasks. Studies in Computational Intelligence, 2013, , 139-153.	0.9	1
96	An Ordinal Regression Approach for the Unequal Area Facility Layout Problem. Advances in Intelligent Systems and Computing, 2013, , 13-21.	0.6	1
97	An n-Spheres Based Synthetic Data Generator for Supervised Classification. Lecture Notes in Computer Science, 2013, , 613-621.	1.3	7
98	Evolutionary Ordinal Extreme Learning Machine. Lecture Notes in Computer Science, 2013, , 500-509.	1.3	6
99	Kernelizing the Proportional Odds Model through the Empirical Kernel Mapping. Lecture Notes in Computer Science, 2013, , 270-279.	1.3	1
100	A System Learning User Preferences for Multiobjective Optimization of Facility Layouts. Advances in Intelligent Systems and Computing, 2013, , 43-52.	0.6	0
101	Multiobjective Pareto Ordinal Classification for Predictive Microbiology. Advances in Intelligent Systems and Computing, 2013, , 153-162.	0.6	1
102	A STRUCTURAL DISTANCE-BASED CROSSOVER FOR NEURAL NETWORK CLASSIFIERS. International Journal of Pattern Recognition and Artificial Intelligence, 2012, 26, 1250012.	1.2	0
103	Multi-objective evolutionary algorithm for donorâ€"recipient decision system in liver transplants. European Journal of Operational Research, 2012, 222, 317-327.	5.7	24
104	Noise prediction of a diesel engine fueled with olive pomace oil methyl ester blended with diesel fuel. Fuel, 2012, 98, 280-287.	6.4	10
105	Hybrid Multi-objective Machine Learning Classification in Liver Transplantation. Lecture Notes in Computer Science, 2012, , 397-408.	1.3	0
106	Non-linear multiclassifier model based on Artificial Intelligence to predict research and development performance in European countries. Technological Forecasting and Social Change, 2012, 79, 1731-1745.	11.6	20
107	Evolutionary product unit neural networks for short-term wind speed forecasting in wind farms. Neural Computing and Applications, 2012, 21, 993-1005.	5.6	14
108	Evolutionary Generalized Radial Basis Function neural networks for improving prediction accuracy in gene classification using feature selection. Applied Soft Computing Journal, 2012, 12, 1787-1800.	7.2	67

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109	A two-stage evolutionary algorithm based on sensitivity and accuracy for multi-class problems. Information Sciences, 2012, 197, 20-37.	6.9	10
110	Permanent disability classification by combining evolutionary Generalized Radial Basis Function and logistic regression methods. Expert Systems With Applications, 2012, 39, 8350-8355.	7.6	3
111	A multi-objective neural network based method for cover crop identification from remote sensed data. Expert Systems With Applications, 2012, 39, 10038-10048.	7.6	31
112	Parameter estimation of q-Gaussian Radial Basis Functions Neural Networks with a Hybrid Algorithm for binary classification. Neurocomputing, 2012, 75, 123-134.	5.9	33
113	An Experimental Study of Different Ordinal Regression Methods and Measures. Lecture Notes in Computer Science, 2012, , 296-307.	1.3	22
114	Ordinal Classification Using Hybrid Artificial Neural Networks with Projection and Kernel Basis Functions. Lecture Notes in Computer Science, 2012, , 319-330.	1.3	9
115	Neural Network Ensembles to Determine Growth Multi-classes in Predictive Microbiology. Lecture Notes in Computer Science, 2012, , 308-318.	1.3	0
116	Selecting the best artificial neural network model from a multi-objective Differential Evolution Pareto front. , 2011, , .		1
117	Permanent disability classification using hybrid neuro-logistic regression models. , 2011, , .		0
118	Logistic Regression by Means of Evolutionary Radial Basis Function Neural Networks. IEEE Transactions on Neural Networks, 2011, 22, 246-263.	4.2	70
119	MELM-GRBF: A modified version of the extreme learning machine for generalized radial basis function neural networks. Neurocomputing, 2011, 74, 2502-2510.	5.9	63
120	Weighting Efficient Accuracy and Minimum Sensitivity for Evolving Multi-Class Classifiers. Neural Processing Letters, 2011, 34, 101-116.	3.2	19
121	Neuro-logistic Models Based on Evolutionary Generalized Radial Basis Function for the Microarray Gene Expression Classification Problem. Neural Processing Letters, 2011, 34, 117-131.	3.2	13
122	Memetic Pareto Evolutionary Artificial Neural Networks to determine growth/no-growth in predictive microbiology. Applied Soft Computing Journal, 2011, 11, 534-550.	7.2	25
123	A two-stage algorithm in evolutionary product unit neural networks for classification. Expert Systems With Applications, 2011, 38, 743-754.	7.6	17
124	Determination of relative agrarian technical efficiency by a dynamic over-sampling procedure guided by minimum sensitivity. Expert Systems With Applications, 2011, 38, 12483-12490.	7.6	13
125	Evolutionary q-Gaussian Radial Basis Function Neural Network to determine the microbial growth/no growth interface of Staphylococcus aureus. Applied Soft Computing Journal, 2011, 11, 3012-3020.	7.2	19
126	Evolutionary <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si13.gif" display="inline" overflow="scroll"><mml:mi>q</mml:mi></mml:math>-Gaussian radial basis function neural networks for multiclassification. Neural Networks, 2011, 24, 779-784.	5.9	26

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127	A dynamic over-sampling procedure based on sensitivity for multi-class problems. Pattern Recognition, 2011, 44, 1821-1833.	8.1	119
128	Memetic evolutionary multi-objective neural network classifier to predict graft survival in liver transplant patients. , 2011, , .		2
129	Improving the Accuracy of a Two-Stage Algorithm in Evolutionary Product Unit Neural Networks for Classification by Means of Feature Selection. Lecture Notes in Computer Science, 2011, , 381-390.	1.3	7
130	Identification of Sound for Pass-by Noise Test in Vehicles Using Generalized Gaussian Radial Basis Function Neural Networks. Advances in Intelligent and Soft Computing, 2011, , 327-336.	0.2	0
131	Sound Source Identification in Vehicles Using a Combined Linear-Evolutionary Product Unit Neural Network Model. Advances in Intelligent and Soft Computing, 2011, , 379-386.	0.2	0
132	Combining Evolutionary Generalized Radial Basis Function and Logistic Regression Methods for Classification. Advances in Intelligent and Soft Computing, 2011, , 263-270.	0.2	0
133	Designing multilayer perceptrons using a Guided Saw-tooth Evolutionary Programming Algorithm. Soft Computing, 2010, 14, 599-613.	3.6	12
134	Hybridizing logistic regression with product unit and RBF networks for accurate detection and prediction of banking crises. Omega, 2010, 38, 333-344.	5.9	27
135	Development of a multi-classification neural network model to determine the microbial growth/no growth interface. International Journal of Food Microbiology, 2010, 141, 203-212.	4.7	29
136	Income prediction in the agrarian sector using product unit neural networks. European Journal of Operational Research, 2010, 204, 355-365.	5.7	12
137	A logistic radial basis function regression method for discrimination of cover crops in olive orchards. Expert Systems With Applications, 2010, 37, 8432-8444.	7.6	8
138	Generalized Logistic Regression Models Using Neural Network Basis Functions Applied to the Detection of Banking Crises. Lecture Notes in Computer Science, 2010, , 1-10.	1.3	1
139	Learning Artificial Neural Networks multiclassifiers by evolutionary multiobjective differential evolution guided by statistical distributions. , 2010, , .		1
140	Sensitivity Versus Accuracy in Multiclass Problems Using Memetic Pareto Evolutionary Neural Networks. IEEE Transactions on Neural Networks, 2010, 21, 750-770.	4.2	139
141	Hybrid Pareto Differential Evolutionary Artificial Neural Networks to Determined Growth Multi-classes in Predictive Microbiology. Lecture Notes in Computer Science, 2010, , 646-655.	1.3	1
142	Evolutionary Learning Using a Sensitivity-Accuracy Approach for Classification. Lecture Notes in Computer Science, 2010, , 288-295.	1.3	4
143	Evolutionary q-Gaussian Radial Basis Functions for Binary-Classification. Lecture Notes in Computer Science, 2010, , 280-287.	1.3	1
144	Evolutionary q-Gaussian Radial Basis Functions for Improving Prediction Accuracy of Gene Classification Using Feature Selection. Lecture Notes in Computer Science, 2010, , 327-336.	1.3	0

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145	A Sensitivity Clustering Method for Memetic Training of Radial Basis Function Neural Networks. , 2009, , .		0
146	MultiLogistic Regression using Initial and Radial Basis Function covariates. , 2009, , .		0
147	Combined projection and kernel basis functions for classification in evolutionary neural networks. Neurocomputing, 2009, 72, 2731-2742.	5.9	46
148	Multinomial logistic regression and product unit neural network models: Application of a new hybrid methodology for solving a classification problem in the livestock sector. Expert Systems With Applications, 2009, 36, 12225-12235.	7.6	14
149	Logistic evolutionary product-unit neural networks: Innovation capacity of poor Guatemalan households. European Journal of Operational Research, 2009, 195, 543-551.	5.7	5
150	Hyperbolic Tangent Basis Function Neural Networks Training by Hybrid Evolutionary Programming for Accurate Short-Term Wind Speed Prediction. , 2009, , .		13
151	Design of Artificial Neural Networks Using a Memetic Pareto Evolutionary Algorithm Using as Objectives Entropy versus Variation Coefficient. , 2009, , .		0
152	Hybrid Multilogistic Regression by Means of Evolutionary Radial Basis Functions: Application to Precision Agriculture. Lecture Notes in Computer Science, 2009, , 244-251.	1.3	1
153	Robust confidence intervals applied to crossover operator for real-coded genetic algorithms. Soft Computing, 2008, 12, 809-833.	3.6	2
154	Multilogistic regression by means of evolutionary product-unit neural networks. Neural Networks, 2008, 21, 951-961.	5.9	45
155	Multilogistic regression by evolutionary neural network as a classification tool to discriminate highly overlapping signals: Qualitative investigation of volatile organic compounds in polluted waters by using headspace-mass spectrometric analysis. Chemometrics and Intelligent Laboratory Systems, 2008, 92, 179-185.	3.5	15
156	Logistic regression product-unit neural networks for mapping Ridolfia segetum infestations in sunflower crop using multitemporal remote sensed data. Computers and Electronics in Agriculture, 2008, 64, 293-306.	7.7	43
157	Evolutionary product-unit neural networks classifiers. Neurocomputing, 2008, 72, 548-561.	5.9	82
158	Evolutionary learning by a sensitivity-accuracy approach for multi-class problems. , 2008, , .		9
159	Memetic algorithms-based artificial multiplicative neural models selection for resolving multi-component mixtures based on dynamic responses. Chemometrics and Intelligent Laboratory Systems, 2007, 85, 232-242.	3.5	8
160	Searching for New Mathematical Growth Model Approaches for Listeria monocytogenes. Journal of Food Science, 2007, 72, M016-M025.	3.1	18
161	Product unit neural network models for predicting the growth limits of Listeria monocytogenes. Food Microbiology, 2007, 24, 452-464.	4.2	26
162	Improving crossover operator for real-coded genetic algorithms using virtual parents. Journal of Heuristics, 2007, 13, 265-314.	1.4	25

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163	JCLEC: a Java framework for evolutionary computation. Soft Computing, 2007, 12, 381-392.	3.6	120
164	Logistic regression using covariates obtained by product-unit neural network models. Pattern Recognition, 2007, 40, 52-64.	8.1	32
165	Hybridization of evolutionary algorithms and local search by means of a clustering method. IEEE Transactions on Systems, Man, and Cybernetics, 2006, 36, 534-545.	5.0	85
166	Performance of response surface model for prediction of Leuconostoc mesenteroides growth parameters under different experimental conditions. Food Control, 2006, 17, 429-438.	5.5	56
167	Improving Microbial Growth Prediction by Product Unit Neural Networks. Journal of Food Science, 2006, 71, M31.	3.1	11
168	An alternative approach for neural network evolution with a genetic algorithm: Crossover by combinatorial optimization. Neural Networks, 2006, 19, 514-528.	5.9	65
169	Evolutionary product unit based neural networks for regression. Neural Networks, 2006, 19, 477-486.	5.9	96
170	Web-based adaptive training simulator system for cardiac life support. Artificial Intelligence in Medicine, 2006, 38, 67-78.	6.5	32
171	Approximating the sheep milk production curve through the use of artificial neural networks and genetic algorithms. Computers and Operations Research, 2005, 32, 2653-2670.	4.0	25
172	Modelling the growth of Leuconostoc mesenteroides by Artificial Neural Networks. International Journal of Food Microbiology, 2005, 105, 317-332.	4.7	57
173	Analyzing the statistical features of CIXL2 crossover offspring. Soft Computing, 2005, 9, 270-279.	3.6	9
174	Memetic Algorithms to Product-Unit Neural Networks for Regression. Lecture Notes in Computer Science, 2005, , 83-90.	1.3	0
175	Cooperative Coevolution of Artificial Neural Network Ensembles for Pattern Classification. IEEE Transactions on Evolutionary Computation, 2005, 9, 271-302.	10.0	195
176	Improving the Quantification of Highly Overlapping Chromatographic Peaks by Using Product Unit Neural Networks Modeled by an Evolutionary Algorithm. Journal of Chemical Information and Modeling, 2005, 45, 894-903.	5.4	12
177	Cooperative coevolution of generalized multi-layer perceptrons. Neurocomputing, 2004, 56, 257-283.	5.9	19
178	Application of Artificial Intelligence to Predictive Microbiology. Food Additives, 2004, , 609-627.	0.1	0
179	Confidence interval based crossover using a L 1 norm localization estimator for real-coded genetic algorithms. , 2003, , 297-306.		1
180	Improving artificial neural networks with a pruning methodology and genetic algorithms for their application in microbial growth prediction in food. International Journal of Food Microbiology, 2002, 72, 19-30.	4.7	86

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181	Multi-objective cooperative coevolution of artificial neural networks (multi-objective cooperative) Tj ETQq1 1 0.784314 rgBT /Overloc	5.9	158
182	SYMBIONT: A Cooperative Evolutionary Model for Evolving Artificial Neural Networks for Classification. Studies in Fuzziness and Soft Computing, 2002, , 341-354.	0.8	4
183	Error-Correcting Output Codes in the Framework of Deep Ordinal Classification. Neural Processing Letters, 0, , 1.	3.2	1