Cesar Hervas-Martnez

List of Publications by Citations

183 papers	3,292 citations	31 h-index	51 g-index
192 ext. papers	3,874 ext. citations	4.2 avg, IF	5.48 L-index

#	Paper	IF	Citations
183	Ordinal Regression Methods: Survey and Experimental Study. *IEEE Transactions on Knowledge and Data Engineering*, **2016**, 28, 127-146	4.2	193
182	. *IEEE Transactions on Evolutionary Computation*, **2005**, 9, 271-302	15.6	148
181	Sensitivity versus accuracy in multiclass problems using memetic Pareto evolutionary neural networks. *IEEE Transactions on Neural Networks*, **2010**, 21, 750-70		117
180	Multi-objective cooperative coevolution of artificial neural networks (multi-objective cooperative networks). *Neural Networks*, **2002**, 15, 1259-78	9.1	107
179	Object-Based Image Classification of Summer Crops with Machine Learning Methods. *Remote Sensing*, **2014**, 6, 5019-5041	5	105
178	JCLEC: a Java framework for evolutionary computation. *Soft Computing*, **2007**, 12, 381-392	3.5	99
177	Selecting patterns and features for between- and within- crop-row weed mapping using UAV-imagery. *Expert Systems With Applications*, **2016**, 47, 85-94	7.8	98
176	A dynamic over-sampling procedure based on sensitivity for multi-class problems. *Pattern Recognition*, **2011**, 44, 1821-1833	7.7	98
175	Evolutionary product unit based neural networks for regression. *Neural Networks*, **2006**, 19, 477-86	9.1	81
174	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	5.8	75
173	Hybridization of evolutionary algorithms and local search by means of a clustering method. *IEEE Transactions on Systems, Man, and Cybernetics*, **2006**, 36, 534-45		68
172	Evolutionary product-unit neural networks classifiers. *Neurocomputing*, **2008**, 72, 548-561	5.4	65
171	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, 1020-8	13.4	59
170	Metrics to guide a multi-objective evolutionary algorithm for ordinal classification. *Neurocomputing* , **2014**, 135, 21-31	5.4	57
169	Logistic regression by means of evolutionary radial basis function neural networks. *IEEE Transactions on Neural Networks*, **2011**, 22, 246-63		57
168	A Review of Classification Problems and Algorithms in Renewable Energy Applications. *Energies*, **2016**, 9, 607	3.1	56
167	PCA-ELM: A Robust and Pruned Extreme Learning Machine Approach Based on Principal Component Analysis. *Neural Processing Letters*, **2013**, 37, 377-392	2.4	55

166	MELM-GRBF: A modified version of the extreme learning machine for generalized radial basis function neural networks. *Neurocomputing*, **2011**, 74, 2502-2510	5.4	54
165	An alternative approach for neural network evolution with a genetic algorithm: crossover by combinatorial optimization. *Neural Networks*, **2006**, 19, 514-28	9.1	54
164	Modelling the growth of Leuconostoc mesenteroides by Artificial Neural Networks. *International Journal of Food Microbiology*, **2005**, 105, 317-32	5.8	52
163	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	7.5	51
162	Performance of response surface model for prediction of Leuconostoc mesenteroides growth parameters under different experimental conditions. *Food Control*, **2006**, 17, 429-438	6.2	47
161	Multilogistic regression by means of evolutionary product-unit neural networks. *Neural Networks*, **2008**, 21, 951-61	9.1	41
160	Projection-based ensemble learning for ordinal regression. *IEEE Transactions on Cybernetics*, **2014**, 44, 681-94	10.2	38
159	Predicting patient survival after liver transplantation using evolutionary multi-objective artificial neural networks. *Artificial Intelligence in Medicine*, **2013**, 58, 37-49	7.4	38
158	Combined projection and kernel basis functions for classification in evolutionary neural networks. *Neurocomputing*, **2009**, 72, 2731-2742	5.4	38
157	Graph-Based Approaches for Over-Sampling in the Context of Ordinal Regression. *IEEE Transactions on Knowledge and Data Engineering*, **2015**, 27, 1233-1245	4.2	37
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	6.5	36
155	Biometeorological and autoregressive indices for predicting olive pollen intensity. *International Journal of Biometeorology*, **2013**, 57, 307-16	3.7	35
154	Oversampling the Minority Class in the Feature Space. *IEEE Transactions on Neural Networks and Learning Systems*, **2016**, 27, 1947-61	10.3	34
153	Year clustering analysis for modelling olive flowering phenology. *International Journal of Biometeorology*, **2013**, 57, 545-55	3.7	32
152	Multi-task learning for the prediction of wind power ramp events with deep neural networks. *Neural Networks*, **2020**, 123, 401-411	9.1	31
151	Parameter estimation of q-Gaussian Radial Basis Functions Neural Networks with a Hybrid Algorithm for binary classification. *Neurocomputing*, **2012**, 75, 123-134	5.4	30
150	An organ allocation system for liver transplantation based on ordinal regression. *Applied Soft Computing Journal*, **2014**, 14, 88-98	7.5	28
149	Development of a multi-classification neural network model to determine the microbial growth/no growth interface. *International Journal of Food Microbiology*, **2010**, 141, 203-12	5.8	27

148	Product unit neural network models for predicting the growth limits of Listeria monocytogenes. *Food Microbiology*, **2007**, 24, 452-64	6	26
147	Logistic regression using covariates obtained by product-unit neural network models. *Pattern Recognition*, **2007**, 40, 52-64	7.7	26
146	Negative correlation ensemble learning for ordinal regression. *IEEE Transactions on Neural Networks and Learning Systems*, **2013**, 24, 1836-49	10.3	25
145	Evolutionary q-Gaussian radial basis function neural networks for multiclassification. *Neural Networks*, **2011**, 24, 779-84	9.1	25
144	Machine Learning Methods for Binary and Multiclass Classification of Melanoma Thickness From Dermoscopic Images. *IEEE Transactions on Medical Imaging*, **2016**, 35, 1036-45	11.7	24
143	Simultaneous modelling of rainfall occurrence and amount using a hierarchical nominal–ordinal support vector classifier. *Engineering Applications of Artificial Intelligence*, **2014**, 34, 199-207	7.2	24
142	Web-based adaptive training simulator system for cardiac life support. *Artificial Intelligence in Medicine*, **2006**, 38, 67-78	7.4	23
141	Dynamically weighted evolutionary ordinal neural network for solving an imbalanced liver transplantation problem. *Artificial Intelligence in Medicine*, **2017**, 77, 1-11	7.4	22
140	A statistically-driven Coral Reef Optimization algorithm for optimal size reduction of time series. *Applied Soft Computing Journal*, **2018**, 63, 139-153	7.5	22
139	Detection of early warning signals in paleoclimate data using a genetic time series segmentation algorithm. *Climate Dynamics*, **2015**, 44, 1919-1933	4.2	21
138	Validation of artificial neural networks as a methodology for donor-recipient matching for liver transplantation. *Liver Transplantation*, **2018**, 24, 192-203	4.5	21
137	Multi-objective evolutionary algorithm for donor–recipient decision system in liver transplants. *European Journal of Operational Research*, **2012**, 222, 317-327	5.6	20
136	Exploitation of pairwise class distances for ordinal classification. *Neural Computation*, **2013**, 25, 2450-85	2.9	20
135	Memetic Pareto Evolutionary Artificial Neural Networks to determine growth/no-growth in predictive microbiology. *Applied Soft Computing Journal*, **2011**, 11, 534-550	7.5	20
134	Approximating the sheep milk production curve through the use of artificial neural networks and genetic algorithms. *Computers and Operations Research*, **2005**, 32, 2653-2670	4.6	20
133	Ordinal regression neural networks based on concentric hyperspheres. *Neural Networks*, **2014**, 59, 51-60	9.1	19
132	A multi-objective neural network based method for cover crop identification from remote sensed data. *Expert Systems With Applications*, **2012**, 39, 10038-10048	7.8	19
131	Addressing the EU sovereign ratings using an ordinal regression approach. *IEEE Transactions on Cybernetics*, **2013**, 43, 2228-40	10.2	19

130	An Experimental Study of Different Ordinal Regression Methods and Measures. *Lecture Notes in Computer Science*, **2012**, 296-307	0.9	19
129	Optimising Convolutional Neural Networks using a Hybrid Statistically-driven Coral Reef Optimisation algorithm. *Applied Soft Computing Journal*, **2020**, 90, 106144	7.5	18
128	Feature selection to enhance a two-stage evolutionary algorithm in product unit neural networks for complex classification problems. *Neurocomputing*, **2013**, 114, 107-117	5.4	18
127	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	7.5	18
126	Weighting Efficient Accuracy and Minimum Sensitivity for Evolving Multi-Class Classifiers. *Neural Processing Letters*, **2011**, 34, 101-116	2.4	17
125	A two-stage algorithm in evolutionary product unit neural networks for classification. *Expert Systems With Applications*, **2011**, 38, 743-754	7.8	17
124	Hybridizing logistic regression with product unit and RBF networks for accurate detection and prediction of banking crises. *Omega*, **2010**, 38, 333-344	7.2	17
123	Improving crossover operator for real-coded genetic algorithms using virtual parents. *Journal of Heuristics*, **2007**, 13, 265-314	1.9	17
122	Searching for new mathematical growth model approaches for Listeria monocytogenes. *Journal of Food Science*, **2007**, 72, M016-25	3.4	16
121	Ordinal and nominal classification of wind speed from synoptic pressurepatterns. *Engineering Applications of Artificial Intelligence*, **2013**, 26, 1008-1015	7.2	15
120	Cooperative coevolution of generalized multi-layer perceptrons. *Neurocomputing*, **2004**, 56, 257-283	5.4	15
119	Classification of countries progress toward a knowledge economy based on machine learning classification techniques. *Expert Systems With Applications*, **2015**, 42, 562-572	7.8	14
118	Generalised Gaussian radial basis function neural networks. *Soft Computing*, **2013**, 17, 519-533	3.5	14
117	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	9.5	14
116	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	3.8	13
115	Time-Series Clustering Based on the Characterization of Segment Typologies. *IEEE Transactions on Cybernetics*, **2021**, 51, 5409-5422	10.2	12
114	Time series forecasting by recurrent product unit neural networks. *Neural Computing and Applications*, **2018**, 29, 779-791	4.8	12
113	Classification of EU countries progress towards sustainable development based on ordinal regression techniques. *Knowledge-Based Systems*, **2014**, 66, 178-189	7.3	12

112	Hyperbolic Tangent Basis Function Neural Networks Training by Hybrid Evolutionary Programming for Accurate Short-Term Wind Speed Prediction **2009**,		12
111	Memetic Pareto Differential Evolution for Designing Artificial Neural Networks in Multiclassification Problems Using Cross-Entropy Versus Sensitivity. *Lecture Notes in Computer Science*, **2009**, 433-441	0.9	12
110	A hybrid dynamic exploitation barebones particle swarm optimisation algorithm for time series segmentation. *Neurocomputing*, **2019**, 353, 45-55	5.4	11
109	An evolutionary neural system for incorporating expert knowledge into the UA-FLP. *Neurocomputing*, **2014**, 135, 69-78	5.4	11
108	Evolutionary product unit neural networks for short-term wind speed forecasting in wind farms. *Neural Computing and Applications*, **2012**, 21, 993-1005	4.8	11
107	Determination of relative agrarian technical efficiency by a dynamic over-sampling procedure guided by minimum sensitivity. *Expert Systems With Applications*, **2011**, 38, 12483-12490	7.8	11
106	A two-stage evolutionary algorithm based on sensitivity and accuracy for multi-class problems. *Information Sciences*, **2012**, 197, 20-37	7.7	10
105	Noise prediction of a diesel engine fueled with olive pomace oil methyl ester blended with diesel fuel. *Fuel*, **2012**, 98, 280-287	7.1	10
104	Neuro-logistic Models Based on Evolutionary Generalized Radial Basis Function for the Microarray Gene Expression Classification Problem. *Neural Processing Letters*, **2011**, 34, 117-131	2.4	10
103	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	7.8	10
102	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	6.1	10
101	A guided data projection technique for classification of sovereign ratings: The case of European Union 27. *Applied Soft Computing Journal*, **2014**, 22, 339-350	7.5	9
100	Designing multilayer perceptrons using a Guided Saw-tooth Evolutionary Programming Algorithm. *Soft Computing*, **2010**, 14, 599-613	3.5	9
99	Improving Microbial Growth Prediction by Product Unit Neural Networks. *Journal of Food Science*, **2006**, 71, M31-M38	3.4	9
98	Cumulative link models for deep ordinal classification. *Neurocomputing*, **2020**, 401, 48-58	5.4	8
97	Partial order label decomposition approaches for melanoma diagnosis. *Applied Soft Computing Journal*, **2018**, 64, 341-355	7.5	8
96	Income prediction in the agrarian sector using product unit neural networks. *European Journal of Operational Research*, **2010**, 204, 355-365	5.6	8
95	A logistic radial basis function regression method for discrimination of cover crops in olive orchards. *Expert Systems With Applications*, **2010**, 37, 8432-8444	7.8	8

94	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	3.8	8
93	Ordinal Classification Using Hybrid Artificial Neural Networks with Projection and Kernel Basis Functions. *Lecture Notes in Computer Science*, **2012**, 319-330	0.9	8
92	Sensitivity versus accuracy in ensemble models of Artificial Neural Networks from Multi-objective Evolutionary Algorithms. *Neural Computing and Applications*, **2018**, 30, 289-305	4.8	7
91	Multi-objective evolutionary optimization using the relationship between F1 and accuracy metrics in classification tasks. *Applied Intelligence*, **2019**, 49, 3447-3463	4.9	7
90	Memetic Pareto differential evolutionary neural network used to solve an unbalanced liver transplantation problem. *Soft Computing*, **2013**, 17, 275-284	3.5	7
89	Analyzing the statistical features of CIXL2 crossover offspring. *Soft Computing*, **2005**, 9, 270-279	3.5	7
88	Synthetic semi-supervised learning in imbalanced domains: Constructing a model for donor-recipient matching in liver transplantation. *Knowledge-Based Systems*, **2017**, 123, 75-87	7.3	6
87	PpcProject: An educational tool for software project management. *Computers and Education*, **2013**, 69, 181-188	9.5	6
86	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	5.4	6
85	Evolutionary learning by a sensitivity-accuracy approach for multi-class problems **2008**,		6
84	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	0.9	6
83	A novel approach for global solar irradiation forecasting on tilted plane using Hybrid Evolutionary Neural Networks. *Journal of Cleaner Production*, **2021**, 287, 125577	10.3	6
82	Identifying Market Behaviours Using European Stock Index Time Series by a Hybrid Segmentation Algorithm. *Neural Processing Letters*, **2017**, 46, 767-790	2.4	5
81	Logistic evolutionary product-unit neural networks: Innovation capacity of poor Guatemalan households. *European Journal of Operational Research*, **2009**, 195, 543-551	5.6	5
80	Fisher Score-Based Feature Selection for Ordinal Classification: A Social Survey on Subjective Well-Being. *Lecture Notes in Computer Science*, **2016**, 597-608	0.9	5
79	An n-Spheres Based Synthetic Data Generator for Supervised Classification. *Lecture Notes in Computer Science*, **2013**, 613-621	0.9	5
78	Evolutionary Ordinal Extreme Learning Machine. *Lecture Notes in Computer Science*, **2013**, 500-509	0.9	5
77	Simultaneous optimisation of clustering quality and approximation error for time series segmentation. *Information Sciences*, **2018**, 442-443, 186-201	7.7	4

76	Semi-supervised learning for ordinal Kernel Discriminant Analysis. *Neural Networks*, **2016**, 84, 57-66	9.1	4
75	A Study on Multi-Scale Kernel Optimisation via Centered Kernel-Target Alignment. *Neural Processing Letters*, **2016**, 44, 491-517	2.4	4
74	Borderline Kernel Based Over-Sampling. *Lecture Notes in Computer Science*, **2013**, 472-481	0.9	4
73	SYMBIONT: A Cooperative Evolutionary Model for Evolving Artificial Neural Networks for Classification. *Studies in Fuzziness and Soft Computing*, **2002**, 341-354	0.7	4
72	Short- and long-term energy flux prediction using Multi-Task Evolutionary Artificial Neural Networks. *Ocean Engineering*, **2020**, 216, 108089	3.9	4
71	Multiclass Prediction of Wind Power Ramp Events Combining Reservoir Computing and Support Vector Machines. *Lecture Notes in Computer Science*, **2016**, 300-309	0.9	4
70	Dynamical memetization in coral reef optimization algorithms for optimal time series approximation. *Progress in Artificial Intelligence*, **2019**, 8, 253-262	4	3
69	Addressing remitting behavior using an ordinal classification approach. *Expert Systems With Applications*, **2014**, 41, 4752-4761	7.8	3
68	Permanent disability classification by combining evolutionary Generalized Radial Basis Function and logistic regression methods. *Expert Systems With Applications*, **2012**, 39, 8350-8355	7.8	3
67	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	3
66	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	0.9	3
65	Evolutionary Learning Using a Sensitivity-Accuracy Approach for Classification. *Lecture Notes in Computer Science*, **2010**, 288-295	0.9	3
64	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	3
63	Enforcement of the principal component analysis□extreme learning machine algorithm by linear discriminant analysis. *Neural Computing and Applications*, **2016**, 27, 1749-1760	4.8	2
62	Using machine learning methods to determine a typology of patients with HIV-HCV infection to be treated with antivirals. *PLoS ONE*, **2020**, 15, e0227188	3.7	2
61	Memetic evolutionary multi-objective neural network classifier to predict graft survival in liver transplant patients **2011**,		2
60	Robust confidence intervals applied to crossover operator for real-coded genetic algorithms. *Soft Computing*, **2008**, 12, 809-833	3.5	2
59	Modelling Survival by Machine Learning Methods in Liver Transplantation: Application to the UNOS Dataset. *Lecture Notes in Computer Science*, **2019**, 97-104	0.9	2

58	Combining Reservoir Computing and Over-Sampling for Ordinal Wind Power Ramp Prediction. *Lecture Notes in Computer Science*, **2017**, 708-719	0.9	2
57	Statistically-driven Coral Reef metaheuristic for automatic hyperparameter setting and architecture design of Convolutional Neural Networks **2020**,		2
56	Time series ordinal classification via shapelets **2020**,		2
55	Statistical methods versus machine learning techniques for donor-recipient matching in liver transplantation. *PLoS ONE*, **2021**, 16, e0252068	3.7	2
54	Time Series Representation by a Novel Hybrid Segmentation Algorithm. *Lecture Notes in Computer Science*, **2016**, 163-173	0.9	2
53	Classification of Melanoma Presence and Thickness Based on Computational Image Analysis. *Lecture Notes in Computer Science*, **2016**, 427-438	0.9	2
52	An ordinal CNN approach for the assessment of neurological damage in Parkinson's disease patients. *Expert Systems With Applications*, **2021**, 182, 115271	7.8	2
51	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	2.4	1
50	Identification of extreme wave heights with an evolutionary algorithm in combination with a likelihood-based segmentation. *Progress in Artificial Intelligence*, **2017**, 6, 59-66	4	1
49	Applying a Hybrid Algorithm to the Segmentation of the Spanish Stock Market Index Time Series. *Lecture Notes in Computer Science*, **2015**, 69-79	0.9	1
48	Improvement of accuracy in a sound synthesis method using Evolutionary Product Unit Networks. *Expert Systems With Applications*, **2013**, 40, 1477-1483	7.8	1
47	Learning Artificial Neural Networks multiclassifiers by evolutionary multiobjective differential evolution guided by statistical distributions **2010**,		1
46	Distribution-Based Discretisation and Ordinal Classification Applied to Wave Height Prediction. *Lecture Notes in Computer Science*, **2018**, 171-179	0.9	1
45	An Empirical Validation of a New Memetic CRO Algorithm for the Approximation of Time Series. *Lecture Notes in Computer Science*, **2018**, 209-218	0.9	1
44	Ordinal Versus Nominal Time Series Classification. *Lecture Notes in Computer Science*, **2020**, 19-29	0.9	1
43	Fine-to-Coarse Ranking in Ordinal and Imbalanced Domains: An Application to Liver Transplantation. *Lecture Notes in Computer Science*, **2017**, 525-537	0.9	1
42	Hybrid Weighted Barebones Exploiting Particle Swarm Optimization Algorithm for Time Series Representation. *Lecture Notes in Computer Science*, **2018**, 126-137	0.9	1
41	Hybrid Multilogistic Regression by Means of Evolutionary Radial Basis Functions: Application to Precision Agriculture. *Lecture Notes in Computer Science*, **2009**, 244-251	0.9	1

40	Hybrid Pareto Differential Evolutionary Artificial Neural Networks to Determined Growth Multi-classes in Predictive Microbiology. *Lecture Notes in Computer Science*, **2010**, 646-655	0.9	1
39	An Extended Approach of a Two-Stage Evolutionary Algorithm in Artificial Neural Networks for Multiclassification Tasks. *Studies in Computational Intelligence*, **2013**, 139-153	0.8	1
38	An Ordinal Regression Approach for the Unequal Area Facility Layout Problem. *Advances in Intelligent Systems and Computing*, **2013**, 13-21	0.4	1
37	Energy Flux Range Classification by Using a Dynamic Window Autoregressive Model. *Lecture Notes in Computer Science*, **2015**, 92-102	0.9	1
36	Ordinal Evolutionary Artificial Neural Networks for Solving an Imbalanced Liver Transplantation Problem. *Lecture Notes in Computer Science*, **2016**, 451-462	0.9	1
35	Evolutionary q-Gaussian Radial Basis Functions for Binary-Classification. *Lecture Notes in Computer Science*, **2010**, 280-287	0.9	1
34	Can Machine Learning Techniques Help to Improve the Common Fisheries Policy?. *Lecture Notes in Computer Science*, **2013**, 278-286	0.9	1
33	Machine learning methods in organ transplantation. *Current Opinion in Organ Transplantation*, **2020**, 25, 399-405	2.5	1
32	Ordinal classification of the affectation level of 3D-images in Parkinson diseases. *Scientific Reports*, **2021**, 11, 7067	4.9	1
31	Confidence interval based crossover using a L1 norm localization estimator for real-coded genetic algorithms **2003**, 297-306		1
30	A novel deep ordinal classification approach for aesthetic quality control classification. *Neural Computing and Applications*,1	4.8	1
29	Unimodal regularisation based on beta distribution for deep ordinal regression. *Pattern Recognition* , **2022**, 122, 108310	7.7	0
28	Nonlinear Ordinal Logistic Regression Using Covariates Obtained by Radial Basis Function Neural Networks Models. *Lecture Notes in Computer Science*, **2015**, 80-91	0.9	
27	Prediction of convective clouds formation using evolutionary neural computation techniques. *Neural Computing and Applications*, **2020**, 32, 13917-13929	4.8	
26	Logistic evolutionary product-unit neural network classifier: the case of agrarian efficiency. *Progress in Artificial Intelligence*, **2015**, 4, 59-67	4	
25	Hybrid Multi-objective Machine Learning Classification in Liver Transplantation. *Lecture Notes in Computer Science*, **2012**, 397-408	0.9	
24	Generalized Logistic Regression Models Using Neural Network Basis Functions Applied to the Detection of Banking Crises. *Lecture Notes in Computer Science*, **2010**, 1-10	0.9	
23	A STRUCTURAL DISTANCE-BASED CROSSOVER FOR NEURAL NETWORK CLASSIFIERS. *International Journal of Pattern Recognition and Artificial Intelligence*, **2012**, 26, 1250012	1.1	

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21	Hybrid Evolutionary Algorithm with Product-Unit Neural Networks for Classification **2007**, 351-358	
20	Application of Artificial Intelligence to Predictive Microbiology. *Food Additives*, **2004**, 609-627	
19	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	0.9
18	Evolutionary Product Unit Logistic Regression: The Case of Agrarian Efficiency. *Lecture Notes in Computer Science*, **2015**, 92-102	0.9
17	A Coral Reef Optimization Algorithm for Wave Height Time Series Segmentation Problems. *Lecture Notes in Computer Science*, **2017**, 673-684	0.9
16	A Sensitivity Clustering Method for Hybrid Evolutionary Algorithms. *Lecture Notes in Computer Science*, **2009**, 245-254	0.9
15	Evolutionary q-Gaussian Radial Basis Functions for Improving Prediction Accuracy of Gene Classification Using Feature Selection. *Lecture Notes in Computer Science*, **2010**, 327-336	0.9
14	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	
13	Sound Source Identification in Vehicles Using a Combined Linear-Evolutionary Product Unit Neural Network Model. *Advances in Intelligent and Soft Computing*, **2011**, 379-386	
12	Combining Evolutionary Generalized Radial Basis Function and Logistic Regression Methods for Classification. *Advances in Intelligent and Soft Computing*, **2011**, 263-270	
11	Neural Network Ensembles to Determine Growth Multi-classes in Predictive Microbiology. *Lecture Notes in Computer Science*, **2012**, 308-318	0.9
10	Kernelizing the Proportional Odds Model through the Empirical Kernel Mapping. *Lecture Notes in Computer Science*, **2013**, 270-279	0.9
9	A System Learning User Preferences for Multiobjective Optimization of Facility Layouts. *Advances in Intelligent Systems and Computing*, **2013**, 43-52	0.4
8	Multiobjective Pareto Ordinal Classification for Predictive Microbiology. *Advances in Intelligent Systems and Computing*, **2013**, 153-162	0.4
7	Approaching System Administration as a Group Project in Computer Engineering Higher Education. *Advances in Intelligent Systems and Computing*, **2013**, 331-340	0.4
6	On the Use of the Beta Distribution for a Hybrid Time Series Segmentation Algorithm. *Lecture Notes in Computer Science*, **2016**, 418-427	0.9
5	Studying the Effect of Different (L_p) Norms in the Context of Time Series Ordinal Classification. *Lecture Notes in Computer Science*, **2021**, 44-53	0.9

4	Error-Correcting Output Codes in the Framework of Deep Ordinal Classification. *Lecture Notes in Computer Science*, **2021**, 3-13	0.9
3	ReLU-Based Activations: Analysis and Experimental Study for Deep Learning. *Lecture Notes in Computer Science*, **2021**, 33-43	0.9
2	Error-Correcting Output Codes in the Framework of Deep Ordinal Classification. *Neural Processing Letters*,1	2.4
1	Clustering of COVID-19 Time Series Incidence Intensity in Andalusia, Spain. *Lecture Notes in Computer Science*, **2022**, 462-471	0.9