Cesar Hervas-Martnez

List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/9366531/cesar-hervas-martinez-publications-by-year.pdf
Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Unimodal regularisation based on beta distribution for deep ordinal regression. *Pattern Recognition*, **2022**, 122, 108310	7.7	0
182	Clustering of COVID-19 Time Series Incidence Intensity in Andalusia, Spain. *Lecture Notes in Computer Science*, **2022**, 462-471	0.9	
181	Time-Series Clustering Based on the Characterization of Segment Typologies. *IEEE Transactions on Cybernetics*, **2021**, 51, 5409-5422	10.2	12
180	Ordinal classification of the affectation level of 3D-images in Parkinson diseases. *Scientific Reports*, **2021**, 11, 7067	4.9	1
179	Statistical methods versus machine learning techniques for donor-recipient matching in liver transplantation. *PLoS ONE*, **2021**, 16, e0252068	3.7	2
178	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
177	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
176	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	
175	Error-Correcting Output Codes in the Framework of Deep Ordinal Classification. *Lecture Notes in Computer Science*, **2021**, 3-13	0.9	
174	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
173	ReLU-Based Activations: Analysis and Experimental Study for Deep Learning. *Lecture Notes in Computer Science*, **2021**, 33-43	0.9	
172	Prediction of convective clouds formation using evolutionary neural computation techniques. *Neural Computing and Applications*, **2020**, 32, 13917-13929	4.8	
171	Optimising Convolutional Neural Networks using a Hybrid Statistically-driven Coral Reef Optimisation algorithm. *Applied Soft Computing Journal*, **2020**, 90, 106144	7.5	18
170	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
169	Multi-task learning for the prediction of wind power ramp events with deep neural networks. *Neural Networks*, **2020**, 123, 401-411	9.1	31
168	Cumulative link models for deep ordinal classification. *Neurocomputing*, **2020**, 401, 48-58	5.4	8
167	Ordinal Versus Nominal Time Series Classification. *Lecture Notes in Computer Science*, **2020**, 19-29	0.9	1

166	Statistically-driven Coral Reef metaheuristic for automatic hyperparameter setting and architecture design of Convolutional Neural Networks **2020**,		2
165	Short- and long-term energy flux prediction using Multi-Task Evolutionary Artificial Neural Networks. *Ocean Engineering*, **2020**, 216, 108089	3.9	4
164	Time series ordinal classification via shapelets **2020**,		2
163	Machine learning methods in organ transplantation. *Current Opinion in Organ Transplantation*, **2020**, 25, 399-405	2.5	1
162	Dynamical memetization in coral reef optimization algorithms for optimal time series approximation. *Progress in Artificial Intelligence*, **2019**, 8, 253-262	4	3
161	A hybrid dynamic exploitation barebones particle swarm optimisation algorithm for time series segmentation. *Neurocomputing*, **2019**, 353, 45-55	5.4	11
160	Multi-objective evolutionary optimization using the relationship between F1 and accuracy metrics in classification tasks. *Applied Intelligence*, **2019**, 49, 3447-3463	4.9	7
159	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
158	Simultaneous optimisation of clustering quality and approximation error for time series segmentation. *Information Sciences*, **2018**, 442-443, 186-201	7.7	4
157	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
156	Partial order label decomposition approaches for melanoma diagnosis. *Applied Soft Computing Journal*, **2018**, 64, 341-355	7.5	8
155	Time series forecasting by recurrent product unit neural networks. *Neural Computing and Applications*, **2018**, 29, 779-791	4.8	12
154	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
153	Validation of artificial neural networks as a methodology for donor-recipient matching for liver transplantation. *Liver Transplantation*, **2018**, 24, 192-203	4.5	21
152	Distribution-Based Discretisation and Ordinal Classification Applied to Wave Height Prediction. *Lecture Notes in Computer Science*, **2018**, 171-179	0.9	1
151	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
150	Hybrid Weighted Barebones Exploiting Particle Swarm Optimization Algorithm for Time Series Representation. *Lecture Notes in Computer Science*, **2018**, 126-137	0.9	1
149	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

148	Identifying Market Behaviours Using European Stock Index Time Series by a Hybrid Segmentation Algorithm. *Neural Processing Letters*, **2017**, 46, 767-790	2.4	5
147	Dynamically weighted evolutionary ordinal neural network for solving an imbalanced liver transplantation problem. *Artificial Intelligence in Medicine*, **2017**, 77, 1-11	7.4	22
146	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
145	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
144	Combining Reservoir Computing and Over-Sampling for Ordinal Wind Power Ramp Prediction. *Lecture Notes in Computer Science*, **2017**, 708-719	0.9	2
143	A Coral Reef Optimization Algorithm for Wave Height Time Series Segmentation Problems. *Lecture Notes in Computer Science*, **2017**, 673-684	0.9	
142	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
141	Oversampling the Minority Class in the Feature Space. *IEEE Transactions on Neural Networks and Learning Systems*, **2016**, 27, 1947-61	10.3	34
140	Ordinal Regression Methods: Survey and Experimental Study. *IEEE Transactions on Knowledge and Data Engineering*, **2016**, 28, 127-146	4.2	193
139	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
138	Semi-supervised learning for ordinal Kernel Discriminant Analysis. *Neural Networks*, **2016**, 84, 57-66	9.1	4
137	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
136	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
135	A Study on Multi-Scale Kernel Optimisation via Centered Kernel-Target Alignment. *Neural Processing Letters*, **2016**, 44, 491-517	2.4	4
134	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
133	Ordinal Evolutionary Artificial Neural Networks for Solving an Imbalanced Liver Transplantation Problem. *Lecture Notes in Computer Science*, **2016**, 451-462	0.9	1
132	A Review of Classification Problems and Algorithms in Renewable Energy Applications. *Energies*, **2016**, 9, 607	3.1	56
131	Time Series Representation by a Novel Hybrid Segmentation Algorithm. *Lecture Notes in Computer Science*, **2016**, 163-173	0.9	2

130	Classification of Melanoma Presence and Thickness Based on Computational Image Analysis. *Lecture Notes in Computer Science*, **2016**, 427-438	0.9	2
129	On the Use of the Beta Distribution for a Hybrid Time Series Segmentation Algorithm. *Lecture Notes in Computer Science*, **2016**, 418-427	0.9	
128	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
127	Detection of early warning signals in paleoclimate data using a genetic time series segmentation algorithm. *Climate Dynamics*, **2015**, 44, 1919-1933	4.2	21
126	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
125	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
124	Nonlinear Ordinal Logistic Regression Using Covariates Obtained by Radial Basis Function Neural Networks Models. *Lecture Notes in Computer Science*, **2015**, 80-91	0.9	
123	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
122	Logistic evolutionary product-unit neural network classifier: the case of agrarian efficiency. *Progress in Artificial Intelligence*, **2015**, 4, 59-67	4	
121	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
120	Energy Flux Range Classification by Using a Dynamic Window Autoregressive Model. *Lecture Notes in Computer Science*, **2015**, 92-102	0.9	1
119	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	
118	Evolutionary Product Unit Logistic Regression: The Case of Agrarian Efficiency. *Lecture Notes in Computer Science*, **2015**, 92-102	0.9	
117	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
116	Projection-based ensemble learning for ordinal regression. *IEEE Transactions on Cybernetics*, **2014**, 44, 681-94	10.2	38
115	Ordinal regression neural networks based on concentric hyperspheres. *Neural Networks*, **2014**, 59, 51-60	9.1	19
114	An organ allocation system for liver transplantation based on ordinal regression. *Applied Soft Computing Journal*, **2014**, 14, 88-98	7.5	28
113	Addressing remitting behavior using an ordinal classification approach. *Expert Systems With Applications*, **2014**, 41, 4752-4761	7.8	3

112	Metrics to guide a multi-objective evolutionary algorithm for ordinal classification. *Neurocomputing*, **2014**, 135, 21-31	5.4	57
111	Classification of EU countries progress towards sustainable development based on ordinal regression techniques. *Knowledge-Based Systems*, **2014**, 66, 178-189	7.3	12
110	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
109	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
108	Object-Based Image Classification of Summer Crops with Machine Learning Methods. *Remote Sensing*, **2014**, 6, 5019-5041	5	105
107	An evolutionary neural system for incorporating expert knowledge into the UA-FLP. *Neurocomputing*, **2014**, 135, 69-78	5.4	11
106	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
105	PpcProject: An educational tool for software project management. *Computers and Education*, **2013**, 69, 181-188	9.5	6
104	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
103	Year clustering analysis for modelling olive flowering phenology. *International Journal of Biometeorology*, **2013**, 57, 545-55	3.7	32
102	Biometeorological and autoregressive indices for predicting olive pollen intensity. *International Journal of Biometeorology*, **2013**, 57, 307-16	3.7	35
101	Generalised Gaussian radial basis function neural networks. *Soft Computing*, **2013**, 17, 519-533	3.5	14
100	Memetic Pareto differential evolutionary neural network used to solve an unbalanced liver transplantation problem. *Soft Computing*, **2013**, 17, 275-284	3.5	7
99	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
98	Improvement of accuracy in a sound synthesis method using Evolutionary Product Unit Networks. *Expert Systems With Applications*, **2013**, 40, 1477-1483	7.8	1
97	Ordinal and nominal classification of wind speed from synoptic pressurepatterns. *Engineering Applications of Artificial Intelligence*, **2013**, 26, 1008-1015	7.2	15
96	Predicting patient survival after liver transplantation using evolutionary multi-objective artificial neural networks. *Artificial Intelligence in Medicine*, **2013**, 58, 37-49	7.4	38
95	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

94	Exploitation of pairwise class distances for ordinal classification. *Neural Computation*, **2013**, 25, 2450-85	2.9	20
93	Negative correlation ensemble learning for ordinal regression. *IEEE Transactions on Neural Networks and Learning Systems*, **2013**, 24, 1836-49	10.3	25
92	Addressing the EU sovereign ratings using an ordinal regression approach. *IEEE Transactions on Cybernetics*, **2013**, 43, 2228-40	10.2	19
91	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
90	An Ordinal Regression Approach for the Unequal Area Facility Layout Problem. *Advances in Intelligent Systems and Computing*, **2013**, 13-21	0.4	1
89	An n-Spheres Based Synthetic Data Generator for Supervised Classification. *Lecture Notes in Computer Science*, **2013**, 613-621	0.9	5
88	Borderline Kernel Based Over-Sampling. *Lecture Notes in Computer Science*, **2013**, 472-481	0.9	4
87	Evolutionary Ordinal Extreme Learning Machine. *Lecture Notes in Computer Science*, **2013**, 500-509	0.9	5
86	Kernelizing the Proportional Odds Model through the Empirical Kernel Mapping. *Lecture Notes in Computer Science*, **2013**, 270-279	0.9	
85	A System Learning User Preferences for Multiobjective Optimization of Facility Layouts. *Advances in Intelligent Systems and Computing*, **2013**, 43-52	0.4	
84	Can Machine Learning Techniques Help to Improve the Common Fisheries Policy?. *Lecture Notes in Computer Science*, **2013**, 278-286	0.9	1
83	Multiobjective Pareto Ordinal Classification for Predictive Microbiology. *Advances in Intelligent Systems and Computing*, **2013**, 153-162	0.4	
82	Approaching System Administration as a Group Project in Computer Engineering Higher Education. *Advances in Intelligent Systems and Computing*, **2013**, 331-340	0.4	
81	A two-stage evolutionary algorithm based on sensitivity and accuracy for multi-class problems. *Information Sciences*, **2012**, 197, 20-37	7.7	10
80	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
79	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
78	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
77	Multi-objective evolutionary algorithm for donor–recipient decision system in liver transplants. *European Journal of Operational Research*, **2012**, 222, 317-327	5.6	20

76	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
75	Hybrid Multi-objective Machine Learning Classification in Liver Transplantation. *Lecture Notes in Computer Science*, **2012**, 397-408	0.9	
74	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
73	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
72	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
71	A STRUCTURAL DISTANCE-BASED CROSSOVER FOR NEURAL NETWORK CLASSIFIERS. *International Journal of Pattern Recognition and Artificial Intelligence*, **2012**, 26, 1250012	1.1	
70	An Experimental Study of Different Ordinal Regression Methods and Measures. *Lecture Notes in Computer Science*, **2012**, 296-307	0.9	19
69	Ordinal Classification Using Hybrid Artificial Neural Networks with Projection and Kernel Basis Functions. *Lecture Notes in Computer Science*, **2012**, 319-330	0.9	8
68	Neural Network Ensembles to Determine Growth Multi-classes in Predictive Microbiology. *Lecture Notes in Computer Science*, **2012**, 308-318	0.9	
67	Logistic regression by means of evolutionary radial basis function neural networks. *IEEE Transactions on Neural Networks*, **2011**, 22, 246-63		57
66	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
65	Weighting Efficient Accuracy and Minimum Sensitivity for Evolving Multi-Class Classifiers. *Neural Processing Letters*, **2011**, 34, 101-116	2.4	17
64	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
63	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
62	A two-stage algorithm in evolutionary product unit neural networks for classification. *Expert Systems With Applications*, **2011**, 38, 743-754	7.8	17
61	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
60	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
59	Evolutionary q-Gaussian radial basis function neural networks for multiclassification. *Neural Networks*, **2011**, 24, 779-84	9.1	25

58	A dynamic over-sampling procedure based on sensitivity for multi-class problems. *Pattern Recognition*, **2011**, 44, 1821-1833	7.7	98
57	Memetic evolutionary multi-objective neural network classifier to predict graft survival in liver transplant patients **2011**,		2
56	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
55	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		
54	Sound Source Identification in Vehicles Using a Combined Linear-Evolutionary Product Unit Neural Network Model. *Advances in Intelligent and Soft Computing*, **2011**, 379-386		
53	Combining Evolutionary Generalized Radial Basis Function and Logistic Regression Methods for Classification. *Advances in Intelligent and Soft Computing*, **2011**, 263-270		
52	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	
51	Learning Artificial Neural Networks multiclassifiers by evolutionary multiobjective differential evolution guided by statistical distributions **2010**,		1
50	Sensitivity versus accuracy in multiclass problems using memetic Pareto evolutionary neural networks. *IEEE Transactions on Neural Networks*, **2010**, 21, 750-70		117
49	Designing multilayer perceptrons using a Guided Saw-tooth Evolutionary Programming Algorithm. *Soft Computing*, **2010**, 14, 599-613	3.5	9
48	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
47	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
46	Income prediction in the agrarian sector using product unit neural networks. *European Journal of Operational Research*, **2010**, 204, 355-365	5.6	8
45	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
44	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
43	Evolutionary Learning Using a Sensitivity-Accuracy Approach for Classification. *Lecture Notes in Computer Science*, **2010**, 288-295	0.9	3
42	Evolutionary q-Gaussian Radial Basis Functions for Binary-Classification. *Lecture Notes in Computer Science*, **2010**, 280-287	0.9	1
41	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	

40	Combined projection and kernel basis functions for classification in evolutionary neural networks. *Neurocomputing*, **2009**, 72, 2731-2742	5.4	38
39	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
38	Logistic evolutionary product-unit neural networks: Innovation capacity of poor Guatemalan households. *European Journal of Operational Research*, **2009**, 195, 543-551	5.6	5
37	Hyperbolic Tangent Basis Function Neural Networks Training by Hybrid Evolutionary Programming for Accurate Short-Term Wind Speed Prediction **2009**,		12
36	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
35	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
34	A Sensitivity Clustering Method for Hybrid Evolutionary Algorithms. *Lecture Notes in Computer Science*, **2009**, 245-254	0.9	
33	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
32	Evolutionary product-unit neural networks classifiers. *Neurocomputing*, **2008**, 72, 548-561	5.4	65
31	Evolutionary learning by a sensitivity-accuracy approach for multi-class problems **2008**,		6
30	Robust confidence intervals applied to crossover operator for real-coded genetic algorithms. *Soft Computing*, **2008**, 12, 809-833	3.5	2
29	Multilogistic regression by means of evolutionary product-unit neural networks. *Neural Networks*, **2008**, 21, 951-61	9.1	41
28	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
27	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
26	Searching for new mathematical growth model approaches for Listeria monocytogenes. *Journal of Food Science*, **2007**, 72, M016-25	3.4	16
25	Product unit neural network models for predicting the growth limits of Listeria monocytogenes. *Food Microbiology*, **2007**, 24, 452-64	6	26
24	Improving crossover operator for real-coded genetic algorithms using virtual parents. *Journal of Heuristics*, **2007**, 13, 265-314	1.9	17
23	JCLEC: a Java framework for evolutionary computation. *Soft Computing*, **2007**, 12, 381-392	3.5	99

22	Logistic regression using covariates obtained by product-unit neural network models. *Pattern Recognition*, **2007**, 40, 52-64	7.7	26
21	Hybrid Evolutionary Algorithm with Product-Unit Neural Networks for Classification **2007**, 351-358		
20	Web-based adaptive training simulator system for cardiac life support. *Artificial Intelligence in Medicine*, **2006**, 38, 67-78	7.4	23
19	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
18	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
17	Improving Microbial Growth Prediction by Product Unit Neural Networks. *Journal of Food Science*, **2006**, 71, M31-M38	3.4	9
16	An alternative approach for neural network evolution with a genetic algorithm: crossover by combinatorial optimization. *Neural Networks*, **2006**, 19, 514-28	9.1	54
15	Evolutionary product unit based neural networks for regression. *Neural Networks*, **2006**, 19, 477-86	9.1	81
14	. *IEEE Transactions on Evolutionary Computation*, **2005**, 9, 271-302	15.6	148
13	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
12	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
11	Modelling the growth of Leuconostoc mesenteroides by Artificial Neural Networks. *International Journal of Food Microbiology*, **2005**, 105, 317-32	5.8	52
10	Analyzing the statistical features of CIXL2 crossover offspring. *Soft Computing*, **2005**, 9, 270-279	3.5	7
9	Memetic Algorithms to Product-Unit Neural Networks for Regression. *Lecture Notes in Computer Science*, **2005**, 83-90	0.9	
8	Cooperative coevolution of generalized multi-layer perceptrons. *Neurocomputing*, **2004**, 56, 257-283	5.4	15
7	Application of Artificial Intelligence to Predictive Microbiology. *Food Additives*, **2004**, 609-627		
6	Confidence interval based crossover using a L1 norm localization estimator for real-coded genetic algorithms **2003**, 297-306		1
5	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

4	Multi-objective cooperative coevolution of artificial neural networks (multi-objective cooperative networks). *Neural Networks*, **2002**, 15, 1259-78	9.1	107
3	SYMBIONT: A Cooperative Evolutionary Model for Evolving Artificial Neural Networks for Classification. *Studies in Fuzziness and Soft Computing*, **2002**, 341-354	0.7	4
2	A novel deep ordinal classification approach for aesthetic quality control classification. *Neural Computing and Applications*,1	4.8	1
1	Error-Correcting Output Codes in the Framework of Deep Ordinal Classification. *Neural Processing Letters*,1	2.4	