Teresa B. Ludermir

List of Publications by Year
in descending order

267	3,036	279798	243625
papers	citations	23 h-index	44 g-index

278	278	278	2587
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Entropic Out-of-Distribution Detection: Seamless Detection of Unknown Examples. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2350-2364.	11.3	7
2	Towards a parameterless out-of-the-box population size control for evolutionary and swarm-based algorithms for single objective bound constrained real-parameter numerical optimization. Applied Soft Computing Journal, 2022, , 108920.	7.2	0
3	An evaluation of k-means as a local search operator in hybrid memetic group search optimization for data clustering. Natural Computing, 2021, 20, 611-636.	3.0	8
4	A systematic literature review on general parameter control for evolutionary and swarm-based algorithms. Swarm and Evolutionary Computation, 2021, 60, 100777.	8.1	23
5	InteligÃªncia Artificial e Aprendizado de MÃ¡quina: estado atual e tendÃªncias. Estudos Avancados, 2021, 35, 85-94.	0.5	10
6	Combining STDP and binary networks for reinforcement learning from images and sparse rewards. Neural Networks, 2021, 144, 496-506.	5.9	6
7	Implementing Any Nonlinear Quantum Neuron. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3741-3746.	11.3	18
8	An evolutionary algorithm for automated machine learning focusing on classifier ensembles: An improved algorithm and extended results. Theoretical Computer Science, 2020, 805, 1-18.	0.9	5
9	Learning from Sparse and Delayed Rewards with a Multilayer Spiking Neural Network. , 2020, , .		2
10	An Evaluation on Competitive and Cooperative Evolutionary Algorithms for Data Clustering. , 2020, , .		2
11	On Analysing Similarity Knowledge Transfer by Ensembles. Lecture Notes in Computer Science, 2020, , 202-210.	1.3	0
12	Natural image segmentation with non-extensive mixture models. Journal of Visual Communication and Image Representation, 2019, 63, 102598.	2.8	4
13	Quantum probabilistic associative memory architecture. Neurocomputing, 2019, 351, 101-110.	5.9	8
14	Enhancing batch normalized convolutional networks using displaced rectifier linear units: A systematic comparative study. Expert Systems With Applications, 2019, 124, 271-281.	7.6	26
15	Exploring disorder and complexity in the cryptocurrency space. Physica A: Statistical Mechanics and Its Applications, 2019, 525, 548-556.	2.6	27
16	Quantum Neural Networks Learning Algorithm Based on a Global Search. , 2019, , .		3
17	On the Learning Properties of Dueling DDQN in Parameter Control for Evolutionary and Swarm-based Algorithms. , 2019, , .		1
18	Hybrid K-Means and Improved Self-Adaptive Particle Swarm Optimization for Data Clustering. , 2019, , .		4

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19	Automatic Classification of Medicinal Plant Species Based on Color and Texture Features. , 2019, , .		10
20	A Multivariate Method for Group Profiling Using Subgroup Discovery. , 2019, , .		0
21	A Partitional Cooperative Coevolutionary Group Search Optimization Approach for Data Clustering. , 2019, , .		1
22	Multifractal behavior of price and volume changes in the cryptocurrency market. Physica A: Statistical Mechanics and Its Applications, 2019, 520, 54-61.	2.6	53
23	Nonextensive triplets in cryptocurrency exchanges. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 1069-1074.	2.6	9
24	Alternative Population Initialization Schemes for Group Search Optimization for Data Clustering. , 2018, , .		1
25	A Hybrid Improved Group Search Optimization and Otsu Method for Color Image Segmentation. , 2018, , .		3
26	Evolutionary ELMs with Alternative Treatments for the Population Out-Bounded Individuals. , 2018, , .		1
27	Using Meta-learning in the Selection of the Combination Method of a Classifier Ensemble. , 2018, , .		3
28	SSDP+: A Diverse and More Informative Subgroup Discovery Approach for High Dimensional Data. , 2018, , .		4
29	Quantum Perceptron with Dynamic Internal Memory. , 2018, , .		1
30	A Novel Evolutionary Algorithm for Automated Machine Learning Focusing on Classifier Ensembles. , 2018, , .		9
31	Hybrid K-Means and Improved Group Search optimization Methods for Data Clustering. , 2018, , .		4
32	SegNetRes-CRF: A Deep Convolutional Encoder-Decoder Architecture for Semantic Image Segmentation. , 2018, , .		10
33	Reducing SqueezeNet Storage Size with Depthwise Separable Convolutions. , 2018, , .		11
34	Collective behavior of cryptocurrency price changes. Physica A: Statistical Mechanics and Its Applications, 2018, 507, 499-509.	2.6	73
35	IJCNN 2018 [Front matter]. , 2018, , .		0
36	QRNN: q -Generalized Random Neural Network. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 383-390.	11.3	12

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37	Editorial: A Successful Year and Looking Forward to 2017 and Beyond. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2-7.	11.3	1
38	Chaos in a quantum neuron: An open system approach. Neurocomputing, 2017, 246, 3-11.	5.9	6
39	A new evolutionary algorithm for mining top-k discriminative patterns in high dimensional data. Applied Soft Computing Journal, 2017, 59, 487-499.	7.2	12
40	Pinning of magnetic skyrmions in a monolayer Co film on Pt(111): Theoretical characterization and exemplified utilization. Physical Review B, 2017, 96, .	3.2	57
41	Paths to collapse for isolated skyrmions in few-monolayer ferromagnetic films. Physical Review B, 2017, 95, .	3.2	52
42	On the Entanglement Dynamics of the Quantum Weightless Neuron. , 2017, , .		1
43	Non-unitary Quantum Associative Memory. , 2017, , .		0
44	Data Clustering Using Group Search Optimization with Alternative Fitness Functions. , 2016, , .		4
45	SSDP: A Simple Evolutionary Approach for Top-K Discriminative Patterns in High Dimensional Databases. , 2016, , .		4
46	Physical Topology Design of Optical Networks Aided by Many-Objective Optimization Algorithms. , 2016, , .		3
47	Progress in intelligent systems design. Neurocomputing, 2016, 180, 1-2.	5.9	0
48	Correlations of multiscale entropy in the FX market. Physica A: Statistical Mechanics and Its Applications, 2016, 457, 52-61.	2.6	11
49	Dynamic selection of forecast combiners. Neurocomputing, 2016, 218, 37-50.	5.9	20
50	GPU-advanced 3D electromagnetic simulations of superconductors in the Ginzburgâ€“Landau formalism. Journal of Computational Physics, 2016, 322, 183-198.	3.8	4
51	Many Objective Particle Swarm Optimization. Information Sciences, 2016, 374, 115-134.	6.9	85
52	An efficient static gesture recognizer embedded system based on ELM pattern recognition algorithm. Journal of Systems Architecture, 2016, 68, 1-16.	4.3	12
53	Foreign exchange rate entropy evolution during financial crises. Physica A: Statistical Mechanics and Its Applications, 2016, 449, 233-239.	2.6	35
54	Quantum perceptron over a field and neural network architecture selection in a quantum computer. Neural Networks, 2016, 76, 55-64.	5.9	75

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55	Active learning and data manipulation techniques for generating training examples in meta-learning. Neurocomputing, 2016, 194, 45-55.	5.9	13
56	Chaos in Quantum Weightless Neuron Node Dynamics. Neurocomputing, 2016, 183, 23-38.	5.9	7
57	Weightless neural network parameters and architecture selection in a quantum computer. Neurocomputing, 2016, 183, 13-22.	5.9	16
58	A hybrid evolutionary decomposition system for time series forecasting. Neurocomputing, 2016, 180, 27-34.	5.9	59
59	Voting based q-generalized extreme learning machine. Neurocomputing, 2016, 174, 1021-1030.	5.9	12
60	Extreme Learning Machine for Real Time Recognition of Brazilian Sign Language. , 2015, , .		8
61	Fitting Parameters on Quantum Weightless Neuron Dynamics. , 2015, , .		4
62	Deep Learning for Wind Speed Forecasting in Northeastern Region of Brazil. , 2015, , .		14
63	Solving NP-complete Problems Using Quantum Weightless Neuron Nodes. , 2015, , .		4
64	Comments on â€œQuantum M-P Neural Networkâ€• International Journal of Theoretical Physics, 2015, 54, 1878-1881.	1.2	10
65	Differential evolution and meta-learning for dynamic ensemble of neural network classifiers. , 2015, , .		4
66	Reservoir Computing optimization with a hybrid method. , 2014, , .		4
67	Investigating the use of Echo State Networks for prediction of wind power generation. , 2014, , .		3
68	A Group Search Optimization Method for Data Clustering. , 2014, , .		3
69	Improved Cooperative Group Search Optimization Based on Divide-and-Conquer Strategy. , 2014, , .		3
70	Improving reservoir based wind power forecasting with ensembles. , 2014, , .		0
71	A Hybrid Evolutionary System for Parameter Optimization and Lag Selection in Time Series Forecasting. , 2014, , .		11
72	A distributed PSO-ARIMA-SVR hybrid system for time series forecasting. , 2014, , .		10

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73	Investigating the use of alternative topologies on performance of the PSO-ELM. Neurocomputing, 2014, 127, 4-12.	5.9	53
74	Ensembles of evolutionary Extreme Learning Machines through differential evolution and Fitness Sharing. , 2014, , .		2
75	An automatic methodology for construction of multi-classifier systems based on the combination of selection and fusion. Progress in Artificial Intelligence, 2014, 2, 205-215.	2.4	5
76	Improving Classifiers and Regions of Competence in Dynamic Ensemble Selection. , 2014, , .		3
77	Using good and bad diversity measures in the design of ensemble systems: A genetic algorithm approach. , 2013, , .		3
78	Particle Swarm Optimization of MLP for the identification of factors related to Common Mental Disorders. Expert Systems With Applications, 2013, 40, 4648-4652.	7.6	17
79	An approach to reservoir computing design and training. Expert Systems With Applications, 2013, 40, 4172-4182.	7.6	51
80	Cooperative Group Search Optimization. , 2013, , .		6
81	Clustering and Selection Using Grouping Genetic Algorithms for Blockmodeling to Construct Neural Network Ensembles. , 2013, , .		3
82	Active selection of training instances for a random forest meta-learner. , 2013, , .		1
83	Optimization of the weights and asymmetric activation function family of neural network for time series forecasting. Expert Systems With Applications, 2013, 40, 6438-6446.	7.6	25
84	Forecasting models of wind power in Northeastern of Brazil. , 2013, , .		8
85	Evolutionary extreme learning machine based on particle swarm optimization and clustering strategies. , 2013, , .		10
86	An automatic method for construction of ensembles to time series prediction. International Journal of Hybrid Intelligent Systems, 2013, 10, 191-203.	1.2	5
87	Optimizing Dynamic Ensemble Selection Procedure by Evolutionary Extreme Learning Machines and a Noise Reduction Filter. , 2013, , .		3
88	A Hybrid Group Search Optimization Based on Fish Swarms. , 2013, , .		2
89	On the Universality of Quantum Logical Neural Networks. , 2012, , .		4
90	Improved group search optimization based on opposite populations for feedforward networks training with weight decay. , 2012, , .		5

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91	Evolving Neural Networks Using Differential Evolution with Neighborhood-Based Mutation and Simple Subpopulation Scheme. , 2012, , .		0
92	Comparing recurrent networks for time-series forecasting. , 2012, , .		6
93	Clustering and selection of neural networks using adaptive differential evolution. , 2012, , .		2
94	Odor recognition systems for natural gas odorization monitoring. , 2012, , .		0
95	Application of the IPSONet in face detection. , 2012, , .		0
96	Effect of the PSO Topologies on the Performance of the PSO-ELM. , 2012, , .		18
97	PSO for Reservoir Computing Optimization. Lecture Notes in Computer Science, 2012, , 685-692.	1.3	11
98	A Modified Artificial Fish Swarm Algorithm for the Optimization of Extreme Learning Machines. Lecture Notes in Computer Science, 2012, , 66-73.	1.3	1
99	Selection and Fusion of Neural Networks via Differential Evolution. Lecture Notes in Computer Science, 2012, , 149-158.	1.3	6
100	Improved Evolutionary Extreme Learning Machines Based on Particle Swarm Optimization and Clustering Approaches. International Journal of Natural Computing Research, 2012, 3, 1-20.	0.5	6
101	Combining Uncertainty Sampling methods for supporting the generation of meta-examples. Information Sciences, 2012, 196, 1-14.	6.9	7
102	Classical and superposed learning for quantum weightless neural networks. Neurocomputing, 2012, 75, 52-60.	5.9	44
103	Uncertainty sampling methods for selecting datasets in active meta-learning. , 2011, , .		10
104	A tool to implement probabilistic automata in RAM-based neural networks. , 2011, , .		1
105	Homogeneous Ensemble Selection through Hierarchical Clustering with a Modified Artificial Fish Swarm Algorithm. , 2011, , .		1
106	Comparing evolutionary methods for reservoir computing pre-training. , 2011, , .		19
107	Selecting Machine Learning Algorithms Using the Ranking Meta-Learning Approach. Studies in Computational Intelligence, 2011, , 225-243.	0.9	16
108	Hybrid Training Method for MLP: Optimization of Architecture and Training. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 1097-1109.	5.0	50

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109	Comparison of new activation functions in neural network for forecasting financial time series. Neural Computing and Applications, 2011, 20, 417-439.	5.6	62
110	An evolutionary extreme learning machine based on group search optimization. , 2011, , .		34
111	Improved Group Search Optimizer based on cooperation among groups for feedforward networks training with Weight Decay. , 2011, , .		5
112	Frankenstein PSO applied to neural network weights and architectures. , 2011, , .		2
113	Feature and algorithm selection with Hybrid Intelligent Techniques. International Journal of Hybrid Intelligent Systems, 2011, 8, 115-116.	1.2	4
114	Selecting variables with search algorithms and neural networks to improve the process of time series forecasting. International Journal of Hybrid Intelligent Systems, 2011, 8, 129-141.	1.2	4
115	Self-adaptation of mutation distribution in evolution strategies for dynamic optimization problems. International Journal of Hybrid Intelligent Systems, 2011, 8, 155-168.	1.2	0
116	Combining Meta-learning and Active Selection of Datasetoids for Algorithm Selection. Lecture Notes in Computer Science, 2011, , 164-171.	1.3	6
117	Uncertainty Sampling-Based Active Selection of Datasetoids for Meta-learning. Lecture Notes in Computer Science, 2011, , 454-461.	1.3	5
118	A multi-objective memetic and hybrid methodology for optimizing the parameters and performance of artificial neural networks. Neurocomputing, 2010, 73, 1438-1450.	5.9	61
119	DESIGN OF EXPERIMENTS IN NEURO-FUZZY SYSTEMS. International Journal of Computational Intelligence and Applications, 2010, 09, 137-152.	0.8	12
120	Topology optimization for artificial neural networks using differential evolution. , 2010, , .		7
121	A Weightless Neural Node Based on a Probabilistic Quantum Memory. , 2010, , .		10
122	Evolutionary strategy for simultaneous optimization of parameters, topology and reservoir weights in Echo State Networks. , 2010, , .		5
123	Superposition Based Learning Algorithm. , 2010, , .		5
124	Hybrid Systems to Select Variables for Time Series Forecasting Using MLP and Search Algorithms. , 2010, , .		4
125	Neural networks with asymmetric activation function for function approximation. , 2009, , .		0
126	A Two Stage Clustering Method Combining Self-Organizing Maps and Ant K-Means. Lecture Notes in Computer Science, 2009, , 485-494.	1.3	4

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127	Optimization of Neural Networks Weights and Architecture: A Multimodal Methodology. , 2009, , .		4
128	Genetic algorithm for reservoir computing optimization. , 2009, , .		20
129	Combining Uncertainty Sampling Methods for Active Meta-Learning. , 2009, , .		3
130	On a hybrid weightless neural system. International Journal of Bio-Inspired Computation, 2009, 1, 93.	0.9	8
131	An Analysis of Meta-learning Techniques for Ranking Clustering Algorithms Applied to Artificial Data. Lecture Notes in Computer Science, 2009, , 131-140.	1.3	12
132	Active Generation of Training Examples in Meta-Regression. Lecture Notes in Computer Science, 2009, , 30-39.	1.3	5
133	Hybrid Systems for River Flood Forecasting Using MLP, SOM and Fuzzy Systems. Lecture Notes in Computer Science, 2009, , 557-566.	1.3	2
134	Credit Risk Assessment and Data Mining. , 2009, , 800-805.		2
135	HYBRID OPTIMIZATION TECHNIQUE FOR ARTIFICIAL NEURAL NETWORKS DESIGN. , 2009, , .		1
136	Clustering and co-evolution to construct neural network ensembles: An experimental study. Neural Networks, 2008, 21, 1363-1379.	5.9	28
137	A quickly trainable hybrid SOM-based document organization system. Neurocomputing, 2008, 71, 3353-3359.	5.9	4
138	Forecasting models for interval-valued time series. Neurocomputing, 2008, 71, 3344-3352.	5.9	123
139	Ranking and selecting clustering algorithms using a meta-learning approach. , 2008, , .		53
140	Clustering cancer gene expression data: a comparative study. BMC Bioinformatics, 2008, 9, 497.	2.6	334
141	Active Meta-Learning with Uncertainty Sampling and Outlier Detection. , 2008, , .		6
142	Using Reservoir Computing for Forecasting Time Series: Brazilian Case Study. , 2008, , .		4
143	Quantum Logical Neural Networks. Brazilian Symposium on Neural Networks, Proceedings of the, 2008, , .	0.0	19
144	An improved method for automatically searching near-optimal artificial Neural Networks. , 2008, , .		6

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145	Using Support Vector Machines to Predict the Performance of MLP Neural Networks. Brazilian Symposium on Neural Networks, Proceedings of the, 2008, , .	0.0	0
146	Selecting Neural Network Forecasting Models Using the Zoomed-Ranking Approach. Brazilian Symposium on Neural Networks, Proceedings of the, 2008, , .	0.0	1
147	Semantic mapping and K-means applied to hybrid SOM-based document organization system construction. , 2008, , .		2
148	Weightless Neural Networks: Knowledge-Based Inference System. , 2008, , .		2
149	Investigating the use of Reservoir Computing for forecasting the hourly wind speed in short -term. , 2008, , .		15
150	Feature subset selection in a methodology for training and improving artificial neural network weights and connections. , 2008, , .		2
151	Improved Semantic Mapping and SOM Applied to Document Organization. , 2008, , .		1
152	Comparative study on normalization procedures for cluster analysis of gene expression datasets. , 2008, , .		25
153	An evolutionary approach for the clustering data problem. , 2008, , .		0
154	Complementary Log-Log and Probit: Activation Functions Implemented in Artificial Neural Networks. , 2008, , .		4
155	Tuning Artificial Neural Networks Parameters Using an Evolutionary Algorithm. , 2008, , .		1
156	Evolving both size and accuracy of RBF networks using Memetic Algorithm. , 2008, , .		0
157	Selective generation of training examples in active meta-learning. International Journal of Hybrid Intelligent Systems, 2008, 5, 59-70.	1.2	13
158	Special Issue HIS 2007. International Journal of Hybrid Intelligent Systems, 2008, 5, 57-58.	1.2	0
159	Predicting the Performance of Learning Algorithms Using Support Vector Machines as Meta-regressors. Lecture Notes in Computer Science, 2008, , 523-532.	1.3	12
160	An Evolutionary Approach for Tuning Artificial Neural Network Parameters. Lecture Notes in Computer Science, 2008, , 156-163.	1.3	6
161	Redes Neurais Artificiais com FunÃ§Ãµes de AtivaÃ§Ã£o Complemento LOG-LOG e PROBIT para Aproximar FunÃ§Ãµes na PresenÃ§a de ObservaÃ§Ãµes Extremas. Learning and Nonlinear Models, 2008, 6, 142-153.	0.2	0
162	Credit Card Users' Data Mining. , 2008, , 2464-2467.		0

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163	Analysis of mammogram using self-organizing neural networks based on spatial isomorphism. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	6
164	Comparison of the Effectiveness of Different Cost Functions in Global Optimization Techniques. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	2
165	Application of a Hybrid Classifier to the Recognition of Petrochemical Odors. , 2007, , .		0
166	Particle Swarm Optimization of Neural Network Architectures andWeights. , 2007, , .		10
167	Active Selection of Training Examples for Meta-Learning. , 2007, , .		2
168	Active Selection of Training Examples for Meta-Learning. , 2007, , .		8
169	Application of a Hybrid Classifier to the Recognition of Petrochemical Odors. , 2007, , .		0
170	Particle Swarm Optimization of Neural Network Architectures andWeights. , 2007, , .		36
171	Wavelet filter for noise reduction and signal compression in an artificial nose. Applied Soft Computing Journal, 2007, 7, 246-256.	7.2	24
172	Active Learning to Support the Generation of Meta-examples. Lecture Notes in Computer Science, 2007, , 817-826.	1.3	5
173	Particle Swarm Optimization of Feed-Forward Neural Networks with Weight Decay. , 2006, , .		21
174	The Influence of Different Cost Functions in Global Optimization Techniques. , 2006, , .		0
175	LearningWeights for Linear Combination of Forecasting Methods. , 2006, , .		2
176	EFuNN Ensembles Construction Using CONE with Multi-objective GA. , 2006, , .		3
177	Symbolic interval time series forecasting using a hybrid model. , 2006, , .		0
178	A Hybrid SOM-Based Document Organization System. , 2006, , .		2
179	An Optimization Methodology for Neural Network Weights and Architectures. IEEE Transactions on Neural Networks, 2006, 17, 1452-1459.	4.2	121
180	An Analysis Of PSO Hybrid Algorithms For Feed-Forward Neural Networks Training. , 2006, , .		21

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181	Improving self-organization of document collections by semantic mapping. Neurocomputing, 2006, 70, 62-69.	5.9	15
182	Hybrid Training of Feed-Forward Neural Networks with Particle Swarm Optimization. Lecture Notes in Computer Science, 2006, , 1061-1070.	1.3	12
183	A Hybrid Method for Searching Near-Optimal Artificial Neural Networks. , 2006, , .		0
184	A methodology to train and improve artificial neural networks' weights and connections. , 2006, , .		8
185	EFuNN Ensembles Construction Using a Clustering Method and a Coevolutionary Multi-objective Genetic Algorithm. Lecture Notes in Computer Science, 2006, , 884-891.	1.3	3
186	A Machine Learning Approach to Define Weights for Linear Combination of Forecasts. Lecture Notes in Computer Science, 2006, , 274-283.	1.3	6
187	A Hybrid Model for Symbolic Interval Time Series Forecasting. Lecture Notes in Computer Science, 2006, , 934-941.	1.3	3
188	Feature Selection for Neural Networks Through Binomial Regression. Lecture Notes in Computer Science, 2006, , 737-745.	1.3	0
189	Evolutionary Radial Basis Functions for Credit Assessment. Applied Intelligence, 2005, 22, 167-181.	5.3	25
190	River flow forecasting for reservoir management through neural networks. , 2005, , .		2
191	Modeling of the rainfall-runoff relationship with artificial neural network. , 2005, , .		1
192	HYBRID NEURAL SYSTEMS FOR PATTERN RECOGNITION IN ARTIFICIAL NOSES. International Journal of Neural Systems, 2005, 15, 137-149.	5.2	14
193	Equivalence Between RAM-Based Neural Networks and Probabilistic Automata. IEEE Transactions on Neural Networks, 2005, 16, 996-999.	4.2	16
194	Hybrid Technique for Artificial Neural Network Architecture and Weight Optimization. Lecture Notes in Computer Science, 2005, , 709-716.	1.3	5
195	Literal and ProRulext: algorithms for rule extraction of ANNs. , 2005, , .		2
196	Hybrid optimization algorithm for the definition of MLP neural network architectures and weights. , 2005, , .		10
197	Design of experiments in neuro-fuzzy systems. , 2005, , .		6
198	River Flow Forecasting with Constructive Neural Network. Lecture Notes in Computer Science, 2005, , 1031-1036.	1.3	1

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199	Sistemas neurais hÃbridos para reconhecimento de padrÃµes em narizes artificiais. Controle and Automacao, 2005, 16, 159-172.	0.2	4
200	Comparing Neural Network Architecture for Pattern Recognize System on Artificial Noses. Lecture Notes in Computer Science, 2005, , 635-640.	1.3	0
201	Using Machine Learning Techniques to Combine Forecasting Methods. Lecture Notes in Computer Science, 2004, , 1122-1127.	1.3	12
202	Meta-learning approaches to selecting time series models. Neurocomputing, 2004, 61, 121-137.	5.9	109
203	A Modal Symbolic Classifier for selecting time series models. Pattern Recognition Letters, 2004, 25, 911-921.	4.2	30
204	Evolving Fuzzy Neural Networks Applied to Odor Recognition. Lecture Notes in Computer Science, 2004, , 953-958.	1.3	0
205	Dimensionality Reduction by Semantic Mapping in Text Categorization. Lecture Notes in Computer Science, 2004, , 1032-1037.	1.3	2
206	Comparing Metrics in Fuzzy Clustering for Symbolic Data on SODAS Format. Lecture Notes in Computer Science, 2004, , 727-736.	1.3	0
207	A Neighbor Generation Mechanism Optimizing Neural Networks. Lecture Notes in Computer Science, 2004, , 613-618.	1.3	0
208	Web Documents Categorization Using Neural Networks. Lecture Notes in Computer Science, 2004, , 758-762.	1.3	1
209	Modeling a Particular Decision Process by Using a Modulatory Activation Function. International Journal of Neural Systems, 2003, 13, 111-118.	5.2	0
210	Neural Network Training with Global Optimization Techniques. International Journal of Neural Systems, 2003, 13, 77-86.	5.2	12
211	Introduction by Guest Editors. International Journal of Neural Systems, 2003, 13, 55-57.	5.2	1
212	Selecting and Ranking Time Series Models Using the NOEMON Approach. Lecture Notes in Computer Science, 2003, , 654-661.	1.3	3
213	Neural Network Hybrid Learning: Genetic Algorithms & Levenberg-Marquardt. Studies in Classification, Data Analysis, and Knowledge Organization, 2003, , 464-472.	0.2	5
214	Simulated Annealing and Tabu Search for Optimization of Neural Networks. Studies in Classification, Data Analysis, and Knowledge Organization, 2003, , 510-518.	0.2	1
215	Hybrid systems of local basis functions. Intelligent Data Analysis, 2001, 5, 227-244.	0.9	2
216	Classification of vintages of wine by artificial nose using time delay neural networks. Electronics Letters, 2001, 37, 1466.	1.0	20

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217	EVOLUTIONARY OPTIMIZATION OF RBF NETWORKS. International Journal of Neural Systems, 2001, 11, 287-294.	5.2	9
218	Modeling Modulatory Aspects in Association Processes. Perspectives in Neural Computing, 2001, , 63-72.	0.1	2
219	Sequential RAM-based Neural Networks: Learnability, Generalisation, Knowledge Extraction, And Grammatical Inference. International Journal of Neural Systems, 1999, 09, 203-210.	5.2	3
220	Knowledge Extraction: A Comparison Between Symbolic and Connectionist Methods. International Journal of Neural Systems, 1999, 09, 257-264.	5.2	2
221	Polypyrrole based aroma sensor. Synthetic Metals, 1999, 102, 1296-1299.	3.9	35
222	Synthesis of Probabilistic Automata in pRAM Neural Networks. Perspectives in Neural Computing, 1998, , 603-608.	0.1	6
223	Weightless neural models. Computer Standards and Interfaces, 1994, 16, 253-263.	5.4	8
224	Computability of Logical Neural Networks. Journal of Intelligent Systems, 1992, 2, .	1.6	9
225	A CUT-POINT RECOGNITION ALGORITHM USING PLN NODE. , 1991, , 1091-1094.		3
226	Extracting rules from feedforward Boolean neural networks. , 0, , .		1
227	Self-organizing modeling in forecasting daily river flows. , 0, , .		11
228	Self-organization neurons blocks networks [sic]. , 0, , .		2
229	Monthly stream flow forecasting using an neural fuzzy network model. , 0, , .		6
230	Evolutionary optimization of RBF networks. , 0, , .		8
231	Neural networks vs. PARMA modelling: case studies of river flow prediction. , 0, , .		1
232	Constructive neural networks in forecasting weekly river flow. , 0, , .		0
233	Forecasting the IBOVESPA using NARX networks and random walk model. , 0, , .		1
234	Global optimization methods for designing and training neural networks. , 0, , .		6

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235	Optimization of neural network weights and architectures for odor recognition using simulated annealing. , 0, , .		9
236	NeuroInflow: the new model to forecast average monthly inflow. , 0, , .		0
237	Automatic text categorization: case study. , 0, , .		7
238	A study of cross-validation and bootstrap as objective functions for genetic algorithms. , 0, , .		4
239	Turing machines with finite memory. , 0, , .		1
240	Modulatory interaction as a support to modeling neural substrates of the decision process. , 0, , .		0
241	Implementation of probabilistic automata in weightless neural networks. , 0, , .		1
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