

NN-driven fuzzy reasoning

International Journal of Approximate Reasoning
5, 191-212

DOI: 10.1016/0888-613x(91)90008-a

Citation Report

#	ARTICLE	IF	CITATIONS
1	Parameter identification in a fuzzy system with insufficient data. , 0, , .		3
2	A novel neural network learning method for dynamically tuning regularization coefficient. , 0, , .		0
4	Application of neural networks and fuzzy logic to consumer products. , 0, , .		21
5	Neural network-based approximate reasoning: principles and implementation. International Journal of Control, 1992, 56, 399-413.	1.9	27
6	Multilayer perceptron, fuzzy sets, and classification. IEEE Transactions on Neural Networks, 1992, 3, 683-697.	4.2	898
7	Neural networks designed on approximate reasoning architecture and their applications. IEEE Transactions on Neural Networks, 1992, 3, 752-760.	4.2	124
8	BPEXS: a learning rule for expert systems. , 0, , .		0
9	Cooperative systems of neural networks and fuzzy logic and its applications. , 0, , .		0
10	Evidence theory of normal possibility and its application. , 0, , .		3
11	Theory of the fuzzy controller: An introduction. Fuzzy Sets and Systems, 1992, 51, 249-258.	2.7	53
12	Distributed representation of fuzzy rules and its application to pattern classification. Fuzzy Sets and Systems, 1992, 52, 21-32.	2.7	458
13	On the relationship between neural networks, pattern recognition and intelligence. International Journal of Approximate Reasoning, 1992, 6, 85-107.	3.3	103
14	Construction of fuzzy inference rules by NDF and NDFL. International Journal of Approximate Reasoning, 1992, 6, 241-266.	3.3	72
15	Fuzzy neural networks and neurocomputations. Fuzzy Sets and Systems, 1993, 56, 1-28.	2.7	193
16	Hybrid neural nets can be fuzzy controllers and fuzzy expert systems. Fuzzy Sets and Systems, 1993, 60, 135-142.	2.7	39
17	Fuzzy rule generation methods for high-level computer vision. Fuzzy Sets and Systems, 1993, 60, 245-258.	2.7	31
18	Evidence theory of exponential possibility distributions. International Journal of Approximate Reasoning, 1993, 8, 123-140.	3.3	32
19	ANFIS: adaptive-network-based fuzzy inference system. IEEE Transactions on Systems, Man, and Cybernetics, 1993, 23, 665-685.	0.9	12,684

#	ARTICLE	IF	CITATIONS
20	Functional equivalence between radial basis function networks and fuzzy inference systems. IEEE Transactions on Neural Networks, 1993, 4, 156-159.	4.2	726
21	Developing tools and methods for applications incorporating neuro, fuzzy and chaos technology. Computers and Industrial Engineering, 1993, 24, 579-592.	6.3	14
22	Integrating design stage of fuzzy systems using genetic algorithms. , 0, , .		280
23	Fuzzy-set based models of neurons and knowledge-based networks. IEEE Transactions on Fuzzy Systems, 1993, 1, 254-266.	9.8	141
24	An intelligent control system combined with fuzzy reasoning and neural networks. , 0, , .		0
25	A method for automatic generation of a fuzzy model. , 0, , .		7
26	Compact fuzzy rule base generation methods for computer vision. , 0, , .		5
27	Integration of path planning, sensing and control in mobile robotics. , 0, , .		2
28	Measurement of fuzzy values using artificial neural networks and fuzzy arithmetic. , 0, , .		0
29	Processing of incomplete fuzzy data using artificial neural networks. , 0, , .		1
30	Neural networks that learn from fuzzy if-then rules. IEEE Transactions on Fuzzy Systems, 1993, 1, 85-97.	9.8	257
31	A simple direct adaptive fuzzy controller derived from its neutral equivalent. , 0, , .		25
32	Combination of fuzzy logic and neural networks for the intelligent control of micro robotic systems. , 0, , .		1
33	Fuzzy-controller for flow and mixture regulation in an aircraft deicing vehicle. , 0, , .		1
34	A fuzzy neural network learning fuzzy control rules and membership functions by fuzzy error backpropagation. , 0, , .		73
35	A neuro-fuzzy control approach for intelligent microrobots. , 0, , .		5
36	Abductive networks applied to synthetical evaluation of complex systems. , 0, , .		0
37	FUN: optimization of fuzzy rule based systems using neural networks. , 0, , .		39

#	ARTICLE	IF	CITATIONS
38	<title>Implementation of fuzzy inference with neural network: the NNFI structure</title>. , 1993, , .		1
39	Design of fuzzy logic systems for nonlinear process identification. , 0, , .		2
40	Neural network driven fuzzy inference system. , 0, , .		4
41	Application of neural networks and fuzzy systems to power plants. , 1994, , .		3
42	A hybrid neural-network-based self-organizing controller. International Journal of Control, 1994, 60, 197-222.	1.9	7
44	Back-propagation neural-network based fuzzy controller with a self-learning teacher. International Journal of Control, 1994, 60, 17-39.	1.9	13
45	Fast self-learning multivariable fuzzy controllers constructed from a modified CPN network. International Journal of Control, 1994, 60, 369-393.	1.9	34
46	Towards intelligent control: flexible fuzzy controllers. Advanced Robotics, 1994, 9, 81-103.	1.8	1
47	Fuzzy Reasoning in Information, Decision and Control Systems. , 1994, , .		12
48	Hybrid neural network-driven reasoning approach to bankruptcy prediction: comparison with MDA, ACLS, and neural network. , 0, , .		4
49	A neuro-fuzzy-based system architecture for the intelligent control of multi-finger robot hands. , 0, , .		13
50	Adaptive control of a class of nonlinear systems with fuzzy logic. , 0, , .		1
51	A new fuzzy approach for setting the initial weights in a neural network. , 0, , .		0
52	Fuzzy Set Theoretic Tools for Image Analysis. Advances in Electronics and Electron Physics, 1994, , 247-296.	0.6	2
53	A neural network approach to modeling fuzzy preference relations for multiple criteria decision making. Computers and Operations Research, 1994, 21, 991-1000.	4.0	13
54	Applications of fuzzy sets and approximate reasoning. Proceedings of the IEEE, 1994, 82, 482-498.	21.3	59
55	Fuzzy logic, neural networks, and soft computing. Communications of the ACM, 1994, 37, 77-84.	4.5	1,307
56	Adaptive control of a class of nonlinear systems with fuzzy logic. IEEE Transactions on Fuzzy Systems, 1994, 2, 285-294.	9.8	314

#	ARTICLE	IF	CITATIONS
57	Rule-base structure identification in an adaptive-network-based fuzzy inference system. IEEE Transactions on Fuzzy Systems, 1994, 2, 64-73.	9.8	164
58	An ART-based fuzzy adaptive learning control network. , 0, , .		4
59	Modifications of genetic algorithms for designing and optimizing fuzzy controllers. , 0, , .		34
60	Fuzzy controller based on MacVicar-Whelan matrix. , 0, , .		1
61	Automatic design and tuning of a fuzzy system for controlling the Acrobot using genetic algorithms, DSFS, and meta-rule techniques. , 0, , .		10
62	Complete design of fuzzy logic systems using genetic algorithms. , 0, , .		55
63	A fuzzy approach to input variable identification. , 0, , .		11
64	Fuzzy systems and fuzzy expert control: An overview. Knowledge Engineering Review, 1994, 9, 229-268.	2.6	34
65	Neural networks in Japan. Communications of the ACM, 1994, 37, 106-112.	4.5	31
66	A self-organizing and self-tuning fuzzy logic controller for field oriented control of induction motor drives. , 0, , .		7
67	Linguistic Knowledge and Fuzzy Membership Elicitation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1995, 28, 53-58.	0.4	0
68	Robust performance of fuzzy controllers based on differential sensitivity functions with decreasing increments. , 0, , .		1
69	Constructing fuzzy model by self-organizing counterpropagation network. IEEE Transactions on Systems, Man, and Cybernetics, 1995, 25, 963-970.	0.9	82
70	A degenerated fuzzy-number processing system based on artificial neural networks. Information Sciences, 1995, 86, 211-226.	6.9	5
71	Fuzzy adaptive learning control network with on-line neural learning. Fuzzy Sets and Systems, 1995, 71, 25-45.	2.7	67
72	A neural fuzzy control system with structure and parameter learning. Fuzzy Sets and Systems, 1995, 70, 183-212.	2.7	227
73	Neural nets for fuzzy systems. Fuzzy Sets and Systems, 1995, 71, 265-276.	2.7	108
74	A fuzzy neural network model for revising imperfect fuzzy rules. Fuzzy Sets and Systems, 1995, 76, 25-45.	2.7	12

#	ARTICLE	IF	CITATIONS
75	An adaptation method for fuzzy logic controllers in lateral vehicle guidance. Mechatronics, 1995, 5, 873-898.	3.3	2
76	Neuro-linguistic approach to pattern recognition. Fuzzy Sets and Systems, 1995, 74, 277-305.	2.7	1
77	On the integration of neural networks: and fuzzy logic systems. , 0, , .		7
78	Construction of Fuzzy Classification Systems Using Genetic Algorithms. Journal of Japan Society for Fuzzy Theory and Systems, 1995, 7, 1022-1040.	0.0	10
79	Fuzzy rule extraction for controller designs. , 0, , .		1
80	Fuzzy intelligent hybrid systems and their applications. , 0, , .		1
81	Fuzzy models, modular networks, and hybrid learning. , 0, , .		6
82	A fuzzy neural network model with three-layered structure. , 0, , .		5
83	Rule extraction using a novel class of fuzzy degraded hyperellipsoidal composite neural networks. , 0, , .		1
84	Design and implementation of a self-adaptive fuzzy inference engine. , 0, , .		2
85	Implementation of fuzzy logic and neural networks control algorithm using a digital signal processing chip. , 1995, , .		2
86	A new approach to fuzzy-neural system modeling. IEEE Transactions on Fuzzy Systems, 1995, 3, 190-198.	9.8	442
87	Coactive neural fuzzy modeling. , 0, , .		48
88	TMS320 DSP based neuro-fuzzy controller. , 0, , .		2
89	Efficient call-connection model for multipoint connections in an ATM/B-ISDN network using fuzzy neural networks. , 0, , .		1
90	Fuzzy self-organization, inferencing, and rule generation. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 1996, 26, 608-620.	2.9	35
91	Fuzzy inference neural network for fuzzy model tuning. IEEE Transactions on Systems, Man, and Cybernetics, 1996, 26, 637-645.	5.0	3
92	Fuzzy Inference Neural Network for Fuzzy Model Tuning. IEEE Transactions on Systems, Man, and Cybernetics, 1996, 26, 637.	5.0	24

#	ARTICLE	IF	CITATIONS
93	Design of fuzzy control system for chemical injection system retrofit using neural network model in thermal power plant. , 0, , .		1
94	Hybrid neural network models for bankruptcy predictions. Decision Support Systems, 1996, 18, 63-72.	5.9	200
95	Input variable identification "fuzzy curves and fuzzy surfaces. Fuzzy Sets and Systems, 1996, 82, 65-71.	2.7	42
96	Learning systems in intelligent control: an appraisal of fuzzy, neural and genetic algorithm control applications. IET Control Theory and Applications, 1996, 143, 367-386.	1.7	134
97	Fuzzy models, modular networks, and hybrid learning. Fuzzy Sets and Systems, 1996, 79, 141-150.	2.7	28
98	Quantum neural networks (QNNs): inherently fuzzy feedforward neural networks. , 0, , .		66
99	Review Neuro-fuzzy computing for image processing and pattern recognition. International Journal of Systems Science, 1996, 27, 1179-1193.	5.5	23
100	Fuzzy Modelling. International Series in Intelligent Technologies, 1996, , .	0.1	82
101	Adaptive subset hood for neural fuzzy control. International Journal of Systems Science, 1996, 27, 937-955.	5.5	2
103	An analytical approach to the derivation of fuzzy PI scaling factors. , 0, , .		4
104	Designing a fuzzy controller for the Acrobot to compensate for external disturbances. , 0, , .		3
105	Fuzzy logic, neural networks, and brain-like learning. , 0, , .		4
106	Neural network based identification of robot dynamics used for neuro-fuzzy controller. , 0, , .		8
107	Neural structures of fuzzy systems. , 0, , .		0
108	A neural fuzzy approach for fuzzy system design. , 0, , .		0
109	Real time control of a direct drive motor by a learning neuro-fuzzy controller. , 0, , .		2
110	Optimization of Scaling Factors of Fuzzy Logic Controllers by Genetic Algorithms. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 347-352.	0.4	2
111	A recurrent self-organizing neural fuzzy inference network. , 0, , .		3

#	ARTICLE	IF	CITATIONS
112	Quantum neural networks (QNNs): inherently fuzzy feedforward neural networks. IEEE Transactions on Neural Networks, 1997, 8, 679-693.	4.2	139
113	Design limitations of PD versus fuzzy controllers for the Acrobot. , 0, , .		12
114	Are artificial neural networks black boxes?. IEEE Transactions on Neural Networks, 1997, 8, 1156-1164.	4.2	415
115	An ART-based fuzzy adaptive learning control network. IEEE Transactions on Fuzzy Systems, 1997, 5, 477-496.	9.8	189
116	Fuzzy Inference System Based on Fuzzy Associative Memory. Journal of Intelligent and Fuzzy Systems, 1997, 5, 271-284.	1.4	10
117	Fuzzy inference neural network. Neurocomputing, 1997, 14, 223-239.	5.9	51
118	The neural network model RuleNet and its application to mobile robot navigation. Fuzzy Sets and Systems, 1997, 85, 287-303.	2.7	46
119	Neuro Fuzzy Approach to Pattern Recognition. Neural Networks, 1997, 10, 161-182.	5.9	20
120	A simple but powerful heuristic method for generating fuzzy rules from numerical data. Fuzzy Sets and Systems, 1997, 86, 251-270.	2.7	299
121	Scalability in fuzzy rule-based learning. Information Sciences, 1998, 109, 135-147.	6.9	4
122	Extracting Rules from Composite Neural Networks for Medical Diagnostic Problems. Neural Processing Letters, 1998, 8, 253-263.	3.2	3
123	Fuzzy Logic for Biological and Agricultural Systems. Artificial Intelligence Review, 1998, 12, 213-225.	15.7	40
124	Neural-Fuzzy Models for Multispectral Image Analysis. Applied Intelligence, 1998, 8, 173-187.	5.3	14
125	Integration and fusion of geological exploration data: a theoretical review of fuzzy logic approach. Geosciences Journal, 1998, 2, 175-183.	1.2	19
126	An overview of membership function generation techniques for pattern recognition. International Journal of Approximate Reasoning, 1998, 19, 391-417.	3.3	273
127	Neuro-fuzzy reasoning for occluded object recognition. Fuzzy Sets and Systems, 1998, 94, 1-28.	2.7	10
128	Manufacturing process control through integration of neural networks and fuzzy model. Fuzzy Sets and Systems, 1998, 98, 15-31.	2.7	40
129	tFPR: A fuzzy and structural pattern recognition system of multi-variate time-dependent pattern classes based on sigmoidal functions. Fuzzy Sets and Systems, 1998, 99, 57-72.	2.7	14

#	ARTICLE	IF	CITATIONS
130	An architecture of fuzzy neural networks for linguistic processing. Fuzzy Sets and Systems, 1998, 100, 197-215.	2.7	26
131	Nonlinear system input structure identification: two stage fuzzy curves and surfaces. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 1998, 28, 678-684.	2.9	32
132	An adaptive fuzzy neural network for MIMO system model approximation in high-dimensional spaces. IEEE Transactions on Systems, Man, and Cybernetics, 1998, 28, 436-446.	5.0	32
133	A global-local learning algorithm for identifying Takagi-Sugeno-Kang fuzzy models. , 0, , .		3
134	Neural activation ratio based fuzzy reasoning. , 0, , .		8
135	Type 2 fuzzy sets for knowledge representation and inferencing. , 0, , .		13
136	Counting Boolean networks are universal approximators. , 0, , .		8
137	Improving the interpretability of TSK fuzzy models by combining global learning and local learning. IEEE Transactions on Fuzzy Systems, 1998, 6, 530-537.	9.8	264
138	Fuzzy Systems. , 1998, , .		16
140	A type 2 adaptive fuzzy inferencing system. , 0, , .		26
141	Development of a systematic methodology of fuzzy logic modeling. IEEE Transactions on Fuzzy Systems, 1998, 6, 346-361.	9.8	200
142	Dynamic fuzzy control and system stability for the Acrobot. , 0, , .		9
143	Generation of fuzzy models via evolutionary strategies. , 0, , .		1
144	Intelligent precision flexible manufacturing system through artificial neural networks and fuzzy modeling. , 0, , .		2
145	Soft Computing Tools and Pattern Recognition. IETE Journal of Research, 1998, 44, 61-87.	2.6	4
146	Application of a Genetic Neuro-Fuzzy Logic to Departure from Nucleate Boiling Protection Limit Estimation. Nuclear Technology, 1999, 128, 327-340.	1.2	11
147	Shot transition detection with FAM-based fuzzy inference. , 1999, , .		1
148	Neural Fuzzy Modeling of Anaerobic Biological Wastewater Treatment Systems. Journal of Environmental Engineering, ASCE, 1999, 125, 1149-1159.	1.4	81

#	ARTICLE	IF	CITATIONS
149	Evolutionary strategies for fuzzy models: local vs global construction. , 0, , .		2
150	A practical fuzzy interpolator for prediction of reservoir permeability. , 1999, , .		2
151	Learning fuzzy rules with tabu search-an application to control. IEEE Transactions on Fuzzy Systems, 1999, 7, 295-318.	9.8	39
152	Neural-network-based fuzzy model and its application to transient stability prediction in power systems. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 1999, 29, 149-157.	2.9	26
153	Fuzzy feature selection. Pattern Recognition, 1999, 32, 2011-2019.	8.1	44
154	Improvement of concentration-estimation algorithm for inflammable gases utilizing fuzzy rule-based neural networks. Sensors and Actuators B: Chemical, 1999, 56, 181-188.	7.8	9
155	Multi-sensor integration for on-line tool wear estimation through radial basis function networks and fuzzy neural network. Neural Networks, 1999, 12, 355-370.	5.9	77
156	A recurrent self-organizing neural fuzzy inference network. IEEE Transactions on Neural Networks, 1999, 10, 828-845.	4.2	270
157	A neuro-fuzzy system for inferencing. International Journal of Intelligent Systems, 1999, 14, 1155-1182.	5.7	6
158	Symbolic interpretation of artificial neural networks. IEEE Transactions on Knowledge and Data Engineering, 1999, 11, 448-463.	5.7	151
159	Design of fuzzy systems using neurofuzzy networks. IEEE Transactions on Neural Networks, 1999, 10, 815-827.	4.2	88
160	Linguistic models and linguistic modeling. IEEE Transactions on Systems, Man, and Cybernetics, 1999, 29, 745-757.	5.0	108
161	Fuzzy-associative-memory-based knowledge construction with an application to a human-machine interface. IEEE Transactions on Industrial Electronics, 1999, 46, 851-860.	7.9	8
162	Automatic variable selection and granular adaptation in fuzzy Boolean nets. , 0, , .		1
163	Fuzzy Neural Network Models for Supervised Classification: Multispectral Image Analysis. Geocarto International, 1999, 14, 42-51.	3.5	17
165	MORSE: A general model to represent structured knowledge. International Journal of Intelligent Systems, 2000, 15, 27-43.	5.7	3
166	Multi-sensor integration for on-line tool wear estimation through artificial neural networks and fuzzy neural network. Engineering Applications of Artificial Intelligence, 2000, 13, 249-261.	8.1	72
167	Neuro-genetic approach to multidimensional fuzzy reasoning for pattern classification. Fuzzy Sets and Systems, 2000, 112, 449-483.	2.7	15

#	ARTICLE	IF	CITATIONS
168	Tuning of fuzzy controller for an open-loop unstable system: a genetic approach. Fuzzy Sets and Systems, 2000, 111, 137-152.	2.7	21
169	A GA-based fuzzy adaptive learning control network. Fuzzy Sets and Systems, 2000, 112, 65-84.	2.7	40
170	Application of neural networks incorporated with real-valued genetic algorithms in knowledge acquisition. Fuzzy Sets and Systems, 2000, 112, 85-97.	2.7	39
171	Development of neuro-fuzzifiers for qualitative analyses of milk yield. Computers and Electronics in Agriculture, 2000, 28, 171-186.	7.7	8
172	Fuzzy Neural Network Models for Classification. Applied Intelligence, 2000, 12, 207-215.	5.3	24
173	Neuro-fuzzy rule generation: survey in soft computing framework. IEEE Transactions on Neural Networks, 2000, 11, 748-768.	4.2	576
174	Tsukamoto-type neural fuzzy inference network. , 2000, , .		8
175	On connectionism, rule extraction, and brain-like learning. IEEE Transactions on Fuzzy Systems, 2000, 8, 222-227.	9.8	23
176	A fast approach for automatic generation of fuzzy rules by generalized dynamic fuzzy neural networks. , 2000, , .		6
177	ANN-driven fuzzy reasoning model of product green attributes. , 0, , .		0
178	COMPARATIVE STUDY OF FUZZY CONTROL, PID CONTROL, AND ADVANCED FUZZY CONTROL FOR SIMULATING A NUCLEAR REACTOR OPERATION. International Journal of General Systems, 2000, 29, 263-279.	2.5	24
179	A novel fuzzy logic system based on N-version programming. IEEE Transactions on Fuzzy Systems, 2000, 8, 155-170.	9.8	15
180	Neuro-fuzzy approaches to short-term electrical load forecasting. , 2000, , .		4
181	Neural networks with node gates. , 0, , .		2
182	Measurement of Membership Functions: Theoretical and Empirical Work. The Handbooks of Fuzzy Sets Series, 2000, , 195-227.	0.5	92
183	A fast approach for automatic generation of fuzzy rules by generalized dynamic fuzzy neural networks. IEEE Transactions on Fuzzy Systems, 2001, 9, 578-594.	9.8	319
184	A recurrent neural fuzzy network for word boundary detection in variable noise-level environments. IEEE Transactions on Systems, Man, and Cybernetics, 2001, 31, 84-97.	5.0	28
185	Nonlinear system input structure identification based on rough set data analysis. , 0, , .		0

#	ARTICLE	IF	CITATIONS
186	Noisy speech segmentation with multiband analysis and recurrent neural fuzzy network. , 0, , .		0
187	OPTIMIZATION OF FUZZY EVAPOTRANSPIRATION MODEL THROUGH NEURAL TRAINING WITH INPUT-OUTPUT EXAMPLES. Transactions of the American Society of Agricultural Engineers, 2001, 44, .	0.9	52
189	An Overview on Fuzzy System Modeling. Journal of Japan Society for Fuzzy Theory and Systems, 2001, 13, 243-263.	0.0	0
190	An intelligent stock trading decision support system through integration of genetic algorithm based fuzzy neural network and artificial neural network. Fuzzy Sets and Systems, 2001, 118, 21-45.	2.7	235
191	A new scheme for an automatic generation of multi-variable fuzzy systems. Fuzzy Sets and Systems, 2001, 120, 323-329.	2.7	8
192	Fuzzy equalization in the construction of fuzzy sets. Fuzzy Sets and Systems, 2001, 119, 329-335.	2.7	83
193	A neuro-fuzzy program approach for evaluating electric power generation systems. Energy, 2001, 26, 619-632.	8.8	62
194	Generalized part family formation through fuzzy self-organizing feature map neural network. Computers and Industrial Engineering, 2001, 40, 79-100.	6.3	20
195	A sales forecasting system based on fuzzy neural network with initial weights generated by genetic algorithm. European Journal of Operational Research, 2001, 129, 496-517.	5.7	137
196	An integrated neural-fuzzy-genetic-algorithm using hyper-surface membership functions to predict permeability in petroleum reservoirs. Engineering Applications of Artificial Intelligence, 2001, 14, 15-21.	8.1	58
197	Implementation of Adaptive Fuzzy Control for a Real-Time Control Demo-Model. Real-Time Systems, 2001, 21, 219-239.	1.3	11
198	Using B-spline neural network to extract fuzzy rules for a centrifugal pump monitoring. Journal of Intelligent Manufacturing, 2001, 12, 5-11.	7.3	21
199	Fuzzylot: a novel self-organising fuzzy-neural rule-based pilot system for automated vehicles. Neural Networks, 2001, 14, 1099-1112.	5.9	58
200	Ten years of genetic fuzzy systems: current framework and new trends. , 0, , .		61
201	Evolutionary strategies for generation of fuzzy rule bases: a local approach. , 0, , .		0
202	Nonlinear Identification and Control. Advances in Industrial Control, 2001, , .	0.5	111
203	Comparison of four updating models for real-time river flow forecasting. Hydrological Sciences Journal, 2002, 47, 621-639.	2.6	82
204	NOISY SPEECH SEGMENTATION/ENHANCEMENT WITH MULTIBAND ANALYSIS AND NEURAL FUZZY NETWORKS. International Journal of Pattern Recognition and Artificial Intelligence, 2002, 16, 927-955.	1.2	0

#	ARTICLE	IF	CITATIONS
205	A fuzzy neural network tree with heuristic backpropagation learning. , 0, , .		1
206	Fuzzy polynomial neural networks: hybrid architectures of fuzzy modeling. IEEE Transactions on Fuzzy Systems, 2002, 10, 607-621.	9.8	71
207	Subsethood-product fuzzy neural inference system (SuPFuNIS). IEEE Transactions on Neural Networks, 2002, 13, 578-599.	4.2	99
208	A hybrid approach to input selection for complex processes. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2002, 32, 532-536.	2.9	18
209	Employing locality in the evolutionary generation of fuzzy rule bases. IEEE Transactions on Systems, Man, and Cybernetics, 2002, 32, 296-305.	5.0	6
210	A recurrent fuzzy-neural model for dynamic system identification. IEEE Transactions on Systems, Man, and Cybernetics, 2002, 32, 176-190.	5.0	225
212	Automatic detection of distorted plethysmogram pulses in neonates and paediatric patients using an adaptive-network-based fuzzy inference system. Artificial Intelligence in Medicine, 2002, 24, 149-165.	6.5	53
213	An intelligent sales forecasting system through integration of artificial neural networks and fuzzy neural networks with fuzzy weight elimination. Neural Networks, 2002, 15, 909-925.	5.9	85
214	A fast learning algorithm for parsimonious fuzzy neural systems. Fuzzy Sets and Systems, 2002, 126, 337-351.	2.7	71
215	A neuro-fuzzy framework for inferencing. Neural Networks, 2002, 15, 247-261.	5.9	15
216	Adaptive fuzzy ship autopilot for track-keeping. Control Engineering Practice, 2003, 11, 433-443.	5.5	107
217	DESIGN OF FUZZY SYSTEMS WITH FEWER RULES. Cybernetics and Systems, 2003, 34, 139-160.	2.5	4
218	Self-organizing neurofuzzy networks based on evolutionary fuzzy granulation. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2003, 33, 271-277.	2.9	12
219	Fuzzy oscillometric blood pressure classification. , 0, , .		5
220	Fuzzy conditional statements- an alternative approach for data representation. , 0, , .		0
221	Systolic blood pressure classification. , 0, , .		4
222	Hybrid architecture of the neural networks and self-organizing approximator technique: A new approach to nonlinear system modeling. , 0, , .		1
223	Combination of fuzzy rule based model and self-organizing approximator technique: a new approach to nonlinear system modeling. , 0, , .		0

#	ARTICLE	IF	CITATIONS
224	Realtime classification with structure adapting neuro-fuzzy systems. Integrated Computer-Aided Engineering, 2003, 10, 357-367.	4.6	2
225	Time-series prediction using adaptive neuro-fuzzy networks. International Journal of Systems Science, 2004, 35, 273-286.	5.5	5
226	Neuro-Fuzzy and Fuzzy-Neural Applications in Telecommunications. Signals and Communication Technology, 2004, , .	0.5	11
227	Web Server Workload Prediction: Fuzzy Markovian Approach. International Journal of Computers and Applications, 2004, 26, 1-6.	1.3	1
228	Identification of fuzzy model using evolutionary programming and least squares estimate. , 0, , .		3
229	Neurofuzzy system with GA-based algorithm for knowledge management in network planning. , 0, , .		0
230	Fuzzy rule-based models for decision support in ecosystem management. Science of the Total Environment, 2004, 319, 1-12.	8.0	239
231	Rule-based multi-FNN identification with the aid of evolutionary fuzzy granulation. Knowledge-Based Systems, 2004, 17, 1-13.	7.1	19
232	Ten years of genetic fuzzy systems: current framework and new trends. Fuzzy Sets and Systems, 2004, 141, 5-31.	2.7	705
233	A GA-based neural fuzzy system for temperature control. Fuzzy Sets and Systems, 2004, 143, 311-333.	2.7	53
234	Inference of recommendation information on the internet using improved FAM. Future Generation Computer Systems, 2004, 20, 265-273.	7.5	2
235	Self-organizing neurofuzzy networks in modeling software data. Fuzzy Sets and Systems, 2004, 145, 165-181.	2.7	41
236	Automatic design of fuzzy logic controller using a genetic algorithm to predict power requirement and surface finish in grinding. Journal of Materials Processing Technology, 2004, 148, 288-300.	6.3	34
237	Relation-based neurofuzzy networks with evolutionary data granulation. Mathematical and Computer Modelling, 2004, 40, 891-921.	2.0	16
238	Adaptive neuro-fuzzy modeling of transient heat transfer in circular duct air flow. International Journal of Thermal Sciences, 2004, 43, 1075-1090.	4.9	47
239	Fuzzy pulse qualifier. , 2004, , .		1
240	Support Vector Learning Mechanism for Fuzzy Rule-Based Modeling: A New Approach. IEEE Transactions on Fuzzy Systems, 2004, 12, 1-12.	9.8	170
241	Impulsive Noise Suppression from Images by Using Anfis Interpolant and Lillietest. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.7	7

#	ARTICLE	IF	CITATIONS
242	Predict Injection Profile of an Injector Using a Soft Computing Method. , 2004, , .		0
243	INDEPENDENT NEURO-FUZZY CONTROL SYSTEM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 237-242.	0.4	3
245	Fuzzy Miner. International Journal of Data Warehousing and Mining, 2005, 1, 57-81.	0.6	7
246	Automatic design of fuzzy logic controller using a genetic algorithm for collision-free, time-optimal navigation of a car-like robot. International Journal of Hybrid Intelligent Systems, 2005, 2, 161-187.	1.2	9
247	Quantum NN vs. NN in Signal Recognition. , 0, , .		6
248	AN ARTIFICIAL NETWORK FOR REASONING IN THE CANCELLATION CLASS WITH APPLICATION TO THE DIAGNOSIS OF CELLS DIVISION. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2005, 13, 297-320.	1.9	1
249	Development of incident detection model using neuro-fuzzy algorithm. , 2005, , .		4
250	The Evolution of Neuro-Fuzzy Systems. , 0, , .		0
251	A methodology of computer aided diagnostic system on breast cancer. , 0, , .		3
252	Wavelet fuzzy neural network for fault diagnosis. , 0, , .		8
253	An online self-constructing wavelet fuzzy neural network for machine condition monitoring. , 2005, , .		2
254	Multiple response optimization using Taguchi methodology and neuro-fuzzy based model. Journal of Manufacturing Technology Management, 2006, 17, 908-925.	6.4	53
255	Fuzzy Modeling and Fuzzy Control. , 2006, , .		30
256	An Intelligent Agent-based System for Reduction of Bullwhip Effect in Supply Chains. , 2006, , .		2
257	Fuzzy Model Identification Based on Rough Set Data Analysis. , 2006, , 77-107.		0
258	Time-optimal, collision-free navigation of a car-like mobile robot using neuro-fuzzy approaches. Fuzzy Sets and Systems, 2006, 157, 2171-2204.	2.7	86
259	Generating fuzzy membership function with self-organizing feature map. Pattern Recognition Letters, 2006, 27, 356-365.	4.2	63
260	Construction of fuzzy knowledge bases incorporating feature selection. Soft Computing, 2006, 10, 796-804.	3.6	24

#	ARTICLE	IF	CITATIONS
261	An evaluation of quantum neural networks in the detection of epileptic seizures in the neonatal electroencephalogram. <i>Soft Computing</i> , 2006, 10, 382-396.	3.6	18
262	Part family formation through fuzzy ART2 neural network. <i>Decision Support Systems</i> , 2006, 42, 89-103.	5.9	13
263	Rough set-based neuro-fuzzy system. , 2006, , .		10
264	UNCERTAINTY OF HUMAN ERROR AND FUZZY APPROACH TO HUMAN RELIABILITY ANALYSIS. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2006, 14, 111-129.	1.9	32
265	Neuro-fuzzy Learning for Automated Incident Detection. <i>Lecture Notes in Computer Science</i> , 2006, , 889-897.	1.3	1
266	Fuzzy Boolean Networks Learning Behaviour. , 2007, , .		1
268	Fuzzy Identification and Modeling of a Gum-Protein Emulsifier in a Model Mayonnaise Color Development System. <i>International Journal of Food Engineering</i> , 2007, 3, .	1.5	10
269	A Neuro-Fuzzy Inference System Through Integration of Fuzzy Logic and Extreme Learning Machines. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2007, 37, 1321-1331.	5.0	133
270	Indoor Air Quality and Fuzziness Evaluation of the Airflow Distributions in Enclosures. , 2007, , .		1
271	A Neuro-Fuzzy Controller for the estimation of Tidal Volume and Respiration Frequency ventilator settings for COPD patients ventilated in control mode. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 3765-8.	0.5	12
272	A New Split and Merge Algorithm for Structure Identification in Takagi-Sugeno Fuzzy Model. , 2007, , .		6
273	Advanced Humanoid Robot Based on the Evolutionary Inductive Self-Organizing Network. , 0, , .		2
274	A self-organizing feature map-driven approach to fuzzy approximate reasoning. <i>Expert Systems With Applications</i> , 2007, 33, 509-521.	7.6	8
275	Adaptive neuro-fuzzy inference systems based approach to nonlinear noise cancellation for images. <i>Fuzzy Sets and Systems</i> , 2007, 158, 1036-1063.	2.7	53
276	An adaptive neuro-fuzzy system for efficient implementations. <i>Information Sciences</i> , 2007, 178, 2150-2150.	6.9	10
277	Prediction of wave parameters by using fuzzy logic approach. <i>Ocean Engineering</i> , 2007, 34, 460-469.	4.3	92
278	Evaluating direction-of-change forecasting: Neurofuzzy models vs. neural networks. <i>Mathematical and Computer Modelling</i> , 2007, 46, 38-46.	2.0	20
279	Advanced self-organizing polynomial neural network. <i>Neural Computing and Applications</i> , 2007, 16, 443-452.	5.6	0

#	ARTICLE	IF	CITATIONS
280	A Fuzzy agent-based model for reduction of bullwhip effect in supply chain systems. Expert Systems With Applications, 2008, 34, 1680-1691.	7.6	59
281	Geoacoustic inversion using adaptive neuro-fuzzy inference system. Computational Geosciences, 2008, 12, 513-523.	2.4	1
282	The adaptive neuro-fuzzy model for forecasting the domestic debt. Knowledge-Based Systems, 2008, 21, 951-957.	7.1	39
283	DCT-Yager FNN: A Novel Yager-Based Fuzzy Neural Network With the Discrete Clustering Technique. IEEE Transactions on Neural Networks, 2008, 19, 625-644.	4.2	17
284	TNFIS: Tree-based neural fuzzy inference system. , 2008, , .		3
285	Neuro-fuzzy classification of the Rhagoletis pomonella species group using digitized wing structures. , 2008, , .		1
286	Research on MISO fuzzy neural network and its application. , 2008, , .		0
287	Fuzzy rule modeling based on FCM and support vector regression. , 2008, , .		0
288	ANFIS-based approach to predicting scour location of spillway. Water Management, 2009, 162, 399-407.	1.2	18
289	Identification using ANFIS with intelligent hybrid stable learning algorithm approaches. Neural Computing and Applications, 2009, 18, 157-174.	5.6	28
290	Fuzzy logic approach to conventional rubble mound structures design. Expert Systems With Applications, 2009, 36, 4162-4170.	7.6	27
291	Training ANFIS as an identifier with intelligent hybrid stable learning algorithm based on particle swarm optimization and extended Kalman filter. Fuzzy Sets and Systems, 2009, 160, 922-948.	2.7	94
292	Identification of coal seam strata from geophysical logs of borehole using Adaptive Neuro-Fuzzy Inference System. Journal of Applied Geophysics, 2009, 67, 9-13.	2.1	27
293	Coupling a mathematical and a fuzzy logic-based model for prediction of zinc ions separation from wastewater using electrodialysis. Chemical Engineering Journal, 2009, 151, 262-274.	12.7	32
294	An adaptive system for modelling and simulation of electrical arc furnaces. Control Engineering Practice, 2009, 17, 1202-1219.	5.5	34
295	Identification using ANFIS with intelligent hybrid stable learning algorithm approaches and stability analysis of training methods. Applied Soft Computing Journal, 2009, 9, 833-850.	7.2	120
296	Optimizing fuzzy membership functions using particle swarm algorithm. , 2009, , .		18
298	Advances in Artificial Neural Networks – Methodological Development and Application. Algorithms, 2009, 2, 973-1007.	2.1	144

#	ARTICLE	IF	CITATIONS
299	Fault detection and diagnosis of an industrial steam turbine using fusion of SVM (support vector) Tj ETQq0 0 0 rgBT (Overlock 10 Tf 50	8.8	184
300	Fuzzy knowledge-based model for prediction of soil loosening and draft efficiency in tillage. Journal of Terramechanics, 2010, 47, 173-178.	3.1	33
301	Development of soft computing and applications in agricultural and biological engineering. Computers and Electronics in Agriculture, 2010, 71, 107-127.	7.7	234
303	Prediction of ternary gas permeation through synthesized PDMS membranes by using Principal Component Analysis (PCA) and fuzzy logic (FL). Journal of Membrane Science, 2010, 360, 509-521.	8.2	17
304	Prediction of Pavement Performance through Neuro-Fuzzy Reasoning. Computer-Aided Civil and Infrastructure Engineering, 2010, 25, 39-54.	9.8	108
305	Adaptive Neuro-Fuzzy Systems. , 0, , .		85
306	Analysis of Fuzzy Membership Function Generation with Unsupervised Learning Using Self-Organizing Feature Map. , 2010, , .		5
307	AN ONLINE SELF-ORGANIZING SCHEME FOR PARSIMONIOUS AND ACCURATE FUZZY NEURAL NETWORKS. International Journal of Neural Systems, 2010, 20, 389-403.	5.2	58
308	Perception neural network versus fuzzy neural network for controlling the inverted pendulum. International Journal of Advanced Mechatronic Systems, 2010, 2, 192.	0.2	2
309	Proactive quality paint thickness control using ANFIS. , 2010, , .		4
310	Neuro fuzzy modelling of Basic Oxygen Furnace and its comparison with Neural Network and GRNN models. , 2010, , .		3
311	Survey: Dimension reduction by pattern decomposition. , 2011, , .		0
312	Fuzzy Inference System (FIS) for the Synthesis of Rectangular Microstrip Antennas with Thin and Thick Substrates. , 2011, , .		0
313	Natural computing for mechanical systems research: A tutorial overview. Mechanical Systems and Signal Processing, 2011, 25, 4-111.	8.0	237
314	A Generalized Ellipsoidal Basis Function Based Online Self-constructing Fuzzy Neural Network. Neural Processing Letters, 2011, 34, 13-37.	3.2	49
315	Application of a generic bow-tie based risk analysis framework on risk management of sea ports and offshore terminals. Journal of Hazardous Materials, 2011, 192, 465-475.	12.4	113
316	Fault detection and diagnosis of an industrial steam turbine using a distributed configuration of adaptive neuro-fuzzy inference systems. Simulation Modelling Practice and Theory, 2011, 19, 1280-1293.	3.8	54
317	Research on Intelligent Monitoring Mechanism of Heat Exchanger Operating Conditions. Advanced Materials Research, 0, 566, 213-216.	0.3	0

#	ARTICLE	IF	CITATIONS
318	Use of an Evolutionary Inductive Self-Organizing Network for Uncertain Nonlinear and Robotic Systems. International Journal of Advanced Robotic Systems, 2012, 9, 147.	2.1	0
319	Prioritising municipal solid waste management factors in India using fuzzy analytic hierarchy process. International Journal of Environment and Waste Management, 2012, 10, 423.	0.3	9
320	Fuzzy optimal control for double inverted pendulum. , 2012, , .		8
321	Skill acquisition and rule extraction method of expert's operation. , 2012, , .		1
322	Development of a dairy cattle drinking water quality index (DCWQI) based on fuzzy inference systems. Ecological Indicators, 2012, 20, 228-237.	6.3	46
323	Estimation of subsurface strata of earth using Adaptive Neuro-Fuzzy inference system (ANFIS). Acta Geodaetica Et Geophysica Hungarica, 2012, 47, 78-89.	0.4	10
324	Estimation of elastic constant of rocks using an ANFIS approach. Applied Soft Computing Journal, 2012, 12, 40-45.	7.2	321
325	Hydrological time series modeling: A comparison between adaptive neuro-fuzzy, neural network and autoregressive techniques. Journal of Hydrology, 2012, 442-443, 23-35.	5.4	162
326	Detecting chatter and estimating wear from the torque of end milling signals by using Index Based Reasoner (IBR). International Journal of Advanced Manufacturing Technology, 2012, 58, 109-118.	3.0	46
327	Modeling and Control of Dialysis Systems. Studies in Computational Intelligence, 2013, , .	0.9	6
328	Neuro-fuzzy Systems: A Short Historical Review. Studies in Computational Intelligence, 2013, , 91-109.	0.9	13
329	A comparative study of generalized regression neural network approach and adaptive neuro-fuzzy inference systems for prediction of unconfined compressive strength of rocks. Neural Computing and Applications, 2013, 23, 499-506.	5.6	111
330	Geoelectrical inversion and evaluation of lithology based on optimized Adaptive Neuro Fuzzy Inference System (ANFIS). Studia Geophysica Et Geodaetica, 2013, 57, 520-534.	0.5	5
331	Hybrid fuzzy classifier based on feature-wise membership given by artificial neural network. , 2013, , .		6
332	A fuzzy binary neural network for interpretable classifications. Neurocomputing, 2013, 121, 401-415.	5.9	3
335	Nonlinear plant modeling using neuro-fuzzy system with tree physiology optimization. , 2013, , .		7
336	Neuro-Fuzzy Applications in Dialysis Systems. Studies in Computational Intelligence, 2013, , 1223-1274.	0.9	8
337	Applications of Machine Learning in Genomics and Systems Biology. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-1.	1.3	16

#	ARTICLE	IF	CITATIONS
338	A cooperative Cuckoo Search “ hierarchical adaptive neuro-fuzzy inference system approach for predicting student academic performance. Journal of Intelligent and Fuzzy Systems, 2014, 27, 2551-2561.	1.4	22
339	Design of an active fault tolerant control system for a simulated industrial steam turbine. Applied Mathematical Modelling, 2014, 38, 1753-1774.	4.2	17
340	Fuzzy systems, neural networks and neuro-fuzzy systems: A vision on their hardware implementation and platforms over two decades. Engineering Applications of Artificial Intelligence, 2014, 32, 283-331.	8.1	65
341	Fuzzy Boolean Nets “ a nature inspired model for learning and reasoning. Fuzzy Sets and Systems, 2014, 253, 1-27.	2.7	4
342	Intelligent forecasting system based on integration of electromagnetism-like mechanism and fuzzy neural network. Expert Systems With Applications, 2014, 41, 2660-2677.	7.6	11
343	Improving degradation prediction models for failure analysis in topside piping: A neuro-fuzzy approach. , 2014, , .		3
344	A comparative study of fuzzy logic systems approach for river discharge prediction. Journal of Hydrology, 2014, 514, 85-101.	5.4	29
345	Modelling Dissolved Pollutants in Krishna River Using Adaptive Neuro Fuzzy Inference Systems. Journal of the Institution of Engineers (India): Series A, 2014, 95, 29-38.	1.2	0
347	An Integrated Application of Cluster Analysis and Artificial Neural Networks for SAGD Recovery Performance Prediction in Heterogeneous Reservoirs. , 2014, , .		8
348	Designing a DSS to explore cement mines using fuzzy neural networks. , 2015, , .		1
349	ANFIS: General description for modeling dynamic objects. , 2015, , .		3
350	Comparison of Groundwater Level Models Based on Artificial Neural Networks and ANFIS. Scientific World Journal, The, 2015, 2015, 1-13.	2.1	34
351	A Modern Syllogistic Method in Intuitionistic Fuzzy Logic with Realistic Tautology. Scientific World Journal, The, 2015, 2015, 1-12.	2.1	3
352	Intelligent biometric pattern password authentication systems for touchscreens. Expert Systems With Applications, 2015, 42, 6286-6294.	7.6	37
353	Adaptive Fuzzy Prediction for Automotive Applications Usage. , 2015, , .		4
354	Influence of mood states on information processing during decision making using fuzzy reasoning tool and neuro-fuzzy system based on Mamdani approach. International Journal of Fuzzy Computation and Modelling, 2015, 1, 252.	0.1	13
355	On Equivalence of FIS and ELM for Interpretable Rule-Based Knowledge Representation. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1417-1430.	11.3	71
356	Hybrid generalized additive neuro-fuzzy system and its adaptive learning algorithms. , 2015, , .		9

#	ARTICLE	IF	CITATIONS
357	Application of intelligent modeling to predict the population dynamics of <i>Pseudomonas aeruginosa</i> in Frankfurter sausage containing <i>Satureja bachtiarica</i> extracts. <i>Microbial Pathogenesis</i> , 2015, 85, 58-65.	2.9	37
358	A new hybrid optimization algorithm for multiple mobile robots navigation based on the CS-ANFIS approach. <i>Memetic Computing</i> , 2015, 7, 255-273.	4.0	52
359	Integrated cluster analysis and artificial neural network modeling for steam-assisted gravity drainage performance prediction in heterogeneous reservoirs. <i>Expert Systems With Applications</i> , 2015, 42, 723-740.	7.6	66
360	Study of the bullwhip effect in Chinese coal supply chain under fuzzy environment. <i>MATEC Web of Conferences</i> , 2016, 63, 04048.	0.2	0
361	A Heuristic Force Model for Haptic Simulation of Nasogastric Tube Insertion Using Fuzzy Logic. <i>IEEE Transactions on Haptics</i> , 2016, 9, 295-310.	2.7	2
362	Generation of linguistic membership functions from word vectors. , 2016, , .		3
364	Shear strength prediction of reinforced-concrete beams based on fuzzy theory. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2016, 169, 357-372.	0.8	2
365	Data-driven prognostic techniques for estimation of the remaining useful life of lithium-ion batteries. , 2016, , .		12
366	Hybrid Generalized Additive Wavelet-Neuro-Fuzzy-System and Its Adaptive Learning. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 51-61.	0.6	6
367	Simulation-based construction productivity forecast using Neural-Network-Driven Fuzzy Reasoning. <i>Automation in Construction</i> , 2016, 65, 102-115.	9.8	56
368	Kernel-based fuzzy c-means clustering algorithm based on genetic algorithm. <i>Neurocomputing</i> , 2016, 188, 233-238.	5.9	163
369	Accurate prediction of CO ₂ solubility in eutectic mixture of levulinic acid (or furfuryl alcohol) and choline chloride. <i>International Journal of Greenhouse Gas Control</i> , 2017, 58, 212-222.	4.6	20
370	Impact of gas impurities on CO ₂ mole fraction: Application in carbon capture and storage (CCS) processes. <i>International Journal of Greenhouse Gas Control</i> , 2017, 57, 173-184.	4.6	14
371	A generalized dynamic fuzzy neural network based on singular spectrum analysis optimized by brain storm optimization for short-term wind speed forecasting. <i>Applied Soft Computing Journal</i> , 2017, 54, 296-312.	7.2	174
372	Regularized extreme learning adaptive neuro-fuzzy algorithm for regression and classification. <i>Knowledge-Based Systems</i> , 2017, 127, 100-113.	7.1	45
373	Monotone Data Samples Do Not Always Generate Monotone Fuzzy If-Then Rules. <i>Series in Bioengineering</i> , 2017, , 255-264.	0.6	0
374	Adaptive multivariate hybrid neuro-fuzzy system and its on-board fast learning. <i>Neurocomputing</i> , 2017, 230, 409-416.	5.9	18
375	ANFIS-Based Resource Mapping for Query Processing in Wireless Multimedia Sensor Networks. <i>Journal of Intelligent Systems</i> , 2017, 26, 505-522.	1.6	1

#	ARTICLE	IF	CITATIONS
376	Symbolic manipulation based on deep neural networks and its application to axiom discovery. , 2017, , .		9
377	An artificial neural network based on Izhikevich neuron model. , 2017, , .		1
378	Application of imputation techniques and Adaptive Neuro-Fuzzy Inference System to predict wind turbine power production. Energy, 2017, 138, 394-404.	8.8	41
379	Modeling Neutrosophic Data by Self-Organizing Feature Map: MANETs Data Case Study. Procedia Computer Science, 2017, 121, 152-159.	2.0	6
380	Neuro-fuzzy tools in studying social management. , 2017, , .		3
381	Monotone data samples do not always produce monotone fuzzy if-then rules: Learning with ad hoc and system identification methods. , 2017, , .		4
383	Integration of Soft Computing Approach in Plant Biology and Its Applications in Agriculture. , 2018, , 265-281.		2
384	Recent advances in neuro-fuzzy system: A survey. Knowledge-Based Systems, 2018, 152, 136-162.	7.1	168
385	Construction productivity fuzzy knowledge base management system. Canadian Journal of Civil Engineering, 2018, 45, 329-338.	1.3	13
386	Particle swarm optimization based extreme learning neuro-fuzzy system for regression and classification. Expert Systems With Applications, 2018, 92, 474-484.	7.6	31
387	Intelligent Navigation of Humanoids in Cluttered Environments Using Regression Analysis and Genetic Algorithm. Arabian Journal for Science and Engineering, 2018, 43, 7655-7678.	3.0	32
388	Extreme Learning Machine Based Prognostics of Battery Life. International Journal on Artificial Intelligence Tools, 2018, 27, 1850036.	1.0	17
389	A balanced load mapping method based on radial basis functions and fuzzy sets. International Journal for Numerical Methods in Engineering, 2018, 115, 1411-1429.	2.8	26
390	Power production prediction of wind turbines using a fusion of MLP and ANFIS networks. IET Renewable Power Generation, 2018, 12, 1025-1033.	3.1	34
391	On Modelling of Data-Driven Monotone Zero-Order TSK Fuzzy Inference Systems using a System Identification Framework. IEEE Transactions on Fuzzy Systems, 2018, , 1-1.	9.8	24
392	Forecasting Monthly Electricity Demands by Wavelet Neuro-Fuzzy System Optimized by Heuristic Algorithms. Information (Switzerland), 2018, 9, 51.	2.9	14
393	Multi-Objective Optimization and Cluster-Wise Regression Analysis to Establish Inputâ€“Output Relationships of a Process. , 2018, , 299-318.		4
394	A Modular Fault Diagnosis and Prognosis Method for Hydro-Control Valve System Based on Redundancy in Multisensor Data Information. IEEE Transactions on Reliability, 2019, 68, 330-341.	4.6	33

#	ARTICLE	IF	CITATIONS
395	An integrated imputation-prediction scheme for prognostics of battery data with missing observations. Expert Systems With Applications, 2019, 115, 709-723.	7.6	52
397	An insight into the modeling of sulfur content of sour gases in supercritical region. Journal of Petroleum Science and Engineering, 2020, 184, 106459.	4.2	43
398	Battery Lifetime Prognostics. Joule, 2020, 4, 310-346.	24.0	570
399	T-S fuzzy-based sliding mode controller design for discrete-time nonlinear model and its applications. Information Sciences, 2020, 519, 183-199.	6.9	36
400	Artificial Neural Networks in the domain of reservoir characterization: A review from shallow to deep models. Computers and Geosciences, 2020, 135, 104357.	4.2	87
401	Principal Component Analysis Based Dynamic Fuzzy Neural Network for Internal Corrosion Rate Prediction of Gas Pipelines. Mathematical Problems in Engineering, 2020, 2020, 1-9.	1.1	7
402	A Review of Approaches for the Detection and Treatment of Outliers in Processing Wind Turbine and Wind Farm Measurements. Energies, 2020, 13, 4228.	3.1	16
403	Research on Information Fusion for Machine Potential Fault Operation and Maintenance. Symmetry, 2020, 12, 375.	2.2	0
404	Accurate Prediction of Kinematic Viscosity of Biodiesels and their Blends with Diesel Fuels. JAOCS, Journal of the American Oil Chemists' Society, 2020, 97, 1083-1094.	1.9	4
405	Computer Simulation of Air Distribution and Thermal Comfort in Energy Efficient Buildings. , 2020, , .		0
406	Forecasting Vietnamese stock index: A comparison of hierarchical ANFIS and LSTM. Decision Science Letters, 2020, , 193-206.	1.2	8
407	Passivity-Based Fuzzy ISMC for Wind Energy Conversion Systems With PMSG. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2212-2220.	9.3	38
408	Fuzzy rule based cluster analysis to segment consumers's preferences to eco and non-eco friendly products. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2021, 24, 343-351.	1.0	5
409	Designing Interpretable Fuzzy Systems. Studies in Computational Intelligence, 2021, , 119-168.	0.9	6
410	Accurate prediction of viscosity of mixed oils. Petroleum Science and Technology, 2021, 39, 351-361.	1.5	3
411	Risk Evaluation Method of Import and Export Goods Based on Fuzzy Reasoning and DeepFM. Mathematical Problems in Engineering, 2021, 2021, 1-8.	1.1	2
413	A Collaborative Filtering System of Information on the Internet. Lecture Notes in Computer Science, 2002, , 1090-1099.	1.3	2
414	Combining neural networks and fuzzy controllers. Lecture Notes in Computer Science, 1993, , 35-46.	1.3	28

#	ARTICLE	IF	CITATIONS
415	Neural networks and genetic algorithm approaches to auto-design of fuzzy systems. Lecture Notes in Computer Science, 1993, , 68-79.	1.3	12
416	Neuro-Fuzzy Expert Systems: Overview with a Case Study. , 1994, , 121-143.		4
417	Development of Fuzzy Neural Networks. International Series in Intelligent Technologies, 1996, , 185-202.	0.1	16
418	Neurofuzzy Systems. , 1998, , 311-380.		4
419	Introduction to Fuzzy Systems, Neural Networks, and Genetic Algorithms. , 1997, , 3-33.		24
420	A Fuzzy Neural Network for Approximate Fuzzy Reasoning. , 1997, , 35-58.		3
421	Neuro-Fuzzy Control. Studies in Computational Intelligence, 2014, , 179-216.	0.9	5
422	Fuzzy Neuro Systems: An Overview. , 1994, , 91-107.		13
423	Genetically Optimized Hybrid Fuzzy Neural Networks: Analysis and Design of Rule-based Multi-layer Perceptron Architectures. Studies in Computational Intelligence, 2008, , 23-57.	0.9	1
424	Rapid Prototyping of Fuzzy Models Based on Hierarchical Clustering. , 1997, , 121-161.		6
425	Neuro-Fuzzy Models of Radiographic Image Classification. Studies in Fuzziness and Soft Computing, 2000, , 361-393.	0.8	3
426	Multi-layer Perceptron Neural Networks in Geospatial Analysis. , 2012, , 125-141.		2
427	Fuzzy Logic for Biological and Agricultural Systems. , 1998, , 213-225.		3
429	Fuzzy neural networks techniques and their applications. Neural Network Systems Techniques and Applications, 1998, , 1-56.	0.0	4
430	A New ANFIS Model based on Multi-Input Hamacher T-norm and Subtract Clustering. The Open Mechanical Engineering Journal, 2014, 8, 833-838.	0.3	1
431	Indoor Air Quality and Fuzziness Evaluation of the Airflow Distributions in Enclosures. , 2012, , .		3
432	Intelligent Control for Self-erecting Inverted Pendulum Via Adaptive Neuro-fuzzy Inference System. American Journal of Applied Sciences, 2006, 3, 1795-1802.	0.2	23
433	Analysis and Improvement of Function Approximation Capabilities of Pi-Sigma Higher Order Neural Networks. , 0, , 239-254.		7

#	ARTICLE	IF	CITATIONS
434	An Application Expert System for Evaluating Effective Factors on Trust in B2C WebsitesTrust, Security, ANFIS, Fuzzy Logic, Rule Based Systems, Electronic Commerce. Engineering, 2011, 03, 1063-1071.	0.8	18
435	Artificial Neural Network Approach to Modeling of Polypropylene Reactor. International Journal of Advances in Chemistry, 2017, 3, 01-14.	0.5	3
436	The Design of Adaptive Fuzzy Polynomial Neural Networks Architectures Based on Fuzzy Neural Networks and Self-Organizing Networks. Journal of Control Automation and Systems Engineering, 2002, 8, 126-135.	0.1	11
437	Adaptive Neural Fuzzy Inference System for Employability Assessment. International Journal of Computer Applications Technology and Research, 2014, 3, 159-164.	0.1	5
438	Reinforced fuzzy clustering-based rule model constructed with the aid of exponentially weighted $\hat{\alpha}$, "2 regularization strategy and augmented random vector functional link network. Fuzzy Sets and Systems, 2022, 443, 90-114.	2.7	2
440	Fuzzy neural networks. , 2000, , 171-254.		1
441	Fuzzy Sets and Knowledge Representation. Studies in Fuzziness and Soft Computing, 2000, , 78-89.	0.8	1
442	Neurofuzzy Systems. Studies in Fuzziness and Soft Computing, 2000, , 174-203.	0.8	2
443	Permeability Prediction in Petroleum Reservoir using a Hybrid System. , 2000, , 437-446.		5
444	Adaptive Fuzzy Control for a Simulation of Hydraulic Analogy of a Nuclear Reactor. Studies in Fuzziness and Soft Computing, 2000, , 65-82.	0.8	1
445	On connectionism and rule extraction. Perspectives in Neural Computing, 2002, , 269-287.	0.1	0
446	Functional Equivalence between S-neural Networks and Fuzzy Models. Studies in Fuzziness and Soft Computing, 2002, , 355-363.	0.8	5
447	Hybrid Intelligent Architectures using a Neurofuzzy Approach. International Series in Intelligent Technologies, 2002, , 147-158.	0.1	1
448	Fuzzy Based Web Server Workload Modeling and Prediction. , 2002, , 555-566.		0
450	Intelligent Controllers for Flexible Pole Cart Balancing Problem. , 2002, , .		0
451	Recurrent Neural Fuzzy NetworkTechniques and Applications. , 2002, , .		0
453	Effect of Rule Representation in Rule Base Reduction. Studies in Fuzziness and Soft Computing, 2003, , 303-324.	0.8	0
454	Shot Boundary Detection of Video Data Based on Fuzzy Inference. The KIPS Transactions PartB, 2003, 10B, 611-618.	0.1	1

#	ARTICLE	IF	CITATIONS
456	Hybrid systems. , 2004, , 141-159.		0
457	Web Server Wrokload Prediction: Fuzzy Markovian Approach. International Journal of Computers and Applications, 2004, 26, .	1.3	0
458	Fuzzy-Neural Networks by Means of Advanced Clonal Selection of Immune Algorithm and Its Application to Traffic Route Choice. Peoji Mich Ji'neung Si'seu'tem Haghoe Nonmunji, 2004, 14, 402-410.	0.1	1
459	Evaluating Direction-of-change Forecasting: Neurofuzzy Models vs. Neural Networks. SSRN Electronic Journal, 0, , .	0.4	0
460	A New Intelligent Diagnostic Method for Machine Maintenance. Lecture Notes in Computer Science, 2006, , 760-769.	1.3	0
461	Genetically Optimized Fuzzy Polynomial Neural Network and Its Application to Multi-variable Software Process. International Journal of Fuzzy Logic and Intelligent Systems, 2006, 6, 33-38.	1.1	0
462	FUZZY TIME SERIES MODELLING BY SCL LEARNING. , 2006, , .		0
463	Design of Fuzzy Set-Based Polynomial Neural Networks with the Aid of Symbolic Encoding and Information Granulation. Lecture Notes in Computer Science, 2007, , 1076-1083.	1.3	0
464	Soft Computing Essentials. Advanced Information and Knowledge Processing, 2008, , 13-74.	0.3	0
465	An Optimized Multi-Output Fuzzy Logic Controller for Real-Time Control. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2008, 12, 370-376.	0.9	0
467	Enhancing Decision Support System with Neural Fuzzy Model and Simple Model Visualizations. Intelligent Systems Reference Library, 2010, , 85-116.	1.2	5
469	Agrotype Recognition Using Dual-Frequency Multi-polarization SAR Data and Multi-spectral Data. Geo-information Science, 2010, 11, 84-90.	0.1	0
470	Selection of Optimal Face Detection Algorithms by Fuzzy Inference. Journal of the Korea Society of Computer and Information, 2011, 16, 71-80.	0.0	0
473	Object Recognition with Belief Revision: Hypothesis Generation and Belief Revision Paradigm. , 2013, , 271-322.		0
474	Optimized Multi-Output Fuzzy Neural Networks Based on Interval Type-2 Fuzzy Set for Pattern Recognition. Transactions of the Korean Institute of Electrical Engineers, 2013, 62, 705-711.	0.1	0
475	Fuzzy Clustering-Based Model for Productivity Forecasting. , 2013, , .		0
476	Mathematics of Fuzzy Control. Studies in Computational Intelligence, 2014, , 57-93.	0.9	0
477	Image Steganography Using HBC and RDH Technique. International Journal of Computer Applications Technology and Research, 2014, 3, 136-139.	0.1	2

#	ARTICLE	IF	CITATIONS
478	Fuzzy representations in neural nets. Lecture Notes in Computer Science, 1994, , 67-81.	1.3	0
479	Fuzzy neural control. , 1994, , 413-434.		2
481	Neural networks for automatic fuzzy control system design. Lecture Notes in Computer Science, 1995, , 1092-1098.	1.3	0
482	A self-learning neuro-fuzzy system. Lecture Notes in Computer Science, 1995, , 106-127.	1.3	0
483	Estimation of Membership Functions for Pattern Recognition and Computer Vision. , 1995, , 45-54.		7
484	A generic fuzzy neuron and its application to motion estimation. Lecture Notes in Computer Science, 1996, , 144-171.	1.3	2
486	Intelligent Fusion and Transformation Systems. , 1997, , 59-104.		0
487	Identification of Singleton Fuzzy Models via Fuzzy Hyperrectangular Composite NN. , 1997, , 193-212.		8
488	Genetic reinforcement learning in neurofuzzy control systems. , 1997, , .		0
490	Genetic Algorithms and Fuzzy Logic. Journal of Japan Society for Fuzzy Theory and Systems, 1998, 10, 602-612.	0.0	0
491	Introduction to Fuzzy Modeling. , 1998, , 63-89.		9
492	Implementation of fuzzy systems. Neural Network Systems Techniques and Applications, 1998, , 57-121.	0.0	2
493	Neural Networks for Defuzification of Fuzzy Rules: An Application in Macroeconomic Forecasting. Lecture Notes in Computer Science, 1999, , 60-71.	1.3	0
494	Fuzzy Adaptive Control Techniques for Nonlinear Systems and Their Application. , 1999, , 809-829.		0
496	Aircraft Damage Pattern Recognition Using Aerodynamic Coefficients and Fuzzy Logic. , 2018, , 335-348.		0
497	Fuzzy Home Appliances and Neuro-Fuzzy Home Appliances Produced by Matsushita Electric Industrial Co., Ltd.. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2018, 30, 14-23.	0.0	0
498	Recent Advances in Artificial Neural Networks. , 0, , .		20
499	An Adaptive Neuro-Fuzzy Inference System (ANFIS) of Radioactivity Levels in Hazar Lake. Cumhuriyet Science Journal, 0, , 413-423.	0.3	0

#	ARTICLE	IF	CITATIONS
500	Quality of Experience Measurement for Video Streaming Based On Adaptive Neural Fuzzy Inference System. Iraqi Journal of Science, 0, , 1609-1617.	0.3	0
501	Development of MI-ANFIS-BBO Model for Forecasting Crude Oil Price. Springer Series in Reliability Engineering, 2020, , 167-191.	0.5	0
502	Digital processing of cytogenetics images for classification and segmentation. , 2020, , .		0
503	The Intelligent Fault Diagnosis Method Based on Fuzzy Neural Network. Advances in Intelligent Systems and Computing, 2021, , 578-583.	0.6	0
504	Rule Base Simplification and Constrained Learning for Interpretability in TSK Neuro-Fuzzy Modelling. International Journal of Fuzzy System Applications, 2020, 9, 31-58.	0.7	2
505	Neuro-fuzzy Approach. , 2005, , 221-273.		0
506	Fuzzy Relation-Based PNNs with the Aid of IG and Symbolic Gene Type-Based GAs. Lecture Notes in Computer Science, 2007, , 666-673.	1.3	0
507	Fuzzy Membership Function Evaluation by Non-Linear Regression: An Algorithmic Approach. Fuzzy Information and Engineering, 2020, 12, 412-434.	1.7	5
508	An Intelligent Data Mining System Through Integration Of Electromagnetism-Like Mechanism And Fuzzy Neural Network. , 0, , 61-84.		0
510	Forecasting the Passenger Car Demand Split from Public Perceptions of Electric, Hybrid, and Hydrogen-Fueled Cars in Greece. Lecture Notes in Intelligent Transportation and Infrastructure, 2023, , 77-90.	0.5	0
511	Towards Accurate Rainfall Volume Prediction: An Initial Approach with Deep Learning, Advanced Feature Selection, Parameter Optimisation, and Ensemble Techniques for Time-Series Forecasting. Advances in Intelligent Systems and Computing, 2024, , 114-132.	0.6	0