An Approach to Online Identification of Takagi-Sugeno

IEEE Transactions on Systems, Man, and Cybernetics 34, 484-498

DOI: 10.1109/tsmcb.2003.817053

Citation Report

#	Article	IF	CITATIONS
1	On-Line Extraction of Fuzzy rules in a Wastewater Treatment Plant., 2004,, 87-101.		0
2	Flexible models with evolving structure. International Journal of Intelligent Systems, 2004, 19, 327-340.	5.7	30
3	On-line identification of MIMO evolving Takagi- Sugeno fuzzy models. , 0, , .		25
4	On-Line Evolution of Takagi-Sugeno Fuzzy Models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 67-72.	0.4	29
5	ON-LINE CONSTRUCTION AND RULE BASE SIMPLIFICATION BY REPLACEMENT IN FUZZY SYSTEMS APPLIED TO A WASTEWATER TREATMENT PLANT. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 61-66.	0.4	0
6	TaSe, a Taylor series-based fuzzy system model that combines interpretability and accuracy. Fuzzy Sets and Systems, 2005, 153, 403-427.	2.7	60
7	A TSK Fuzzy Inference Algorithm for Online Identification. Lecture Notes in Computer Science, 2005, , 179-188.	1.3	5
8	Simpl_eTS: a simplified method for learning evolving Takagi-Sugeno fuzzy models. , 0, , .		142
9	FLEXFIS: A Variant for Incremental Learning of Takagi-Sugeno Fuzzy Systems. , 0, , .		33
10	Adaptive fuzzy modelling and control for discrete-time nonlinear uncertain systems. , 0, , .		13
11	Evolving Intelligent Systems: Methods, Learning, & Evolving Intelligent Systems: Methods,		38
12	T-S Model Based Indirect Adaptive Fuzzy Control for a Class of MIMO Uncertain Nonlinear Systems., 2006,,.		3
13	Pruning for interpretability of large spanned eTS. , 2006, , .		4
14	An Evolving Fuzzy Model for Embedded Applications. , 2006, , .		4
15	An Approach to Real-time Color-based Object Tracking. , 2006, , .		15
16	Recovery of LSP Coefficient in VoIP Systems using Evolving Takagi-Sugeno Fuzzy Models. , 2006, , .		2
17	Participatory Evolving Fuzzy Modeling., 2006,,.		25
18	Programming Hierarchical TS Fuzzy Systems. , 2006, , .		7

#	Article	IF	CITATIONS
19	Evolving Fuzzy Systems from Data Streams in Real-Time. , 2006, , .		190
20	Process Safety Enhancements for Data-Driven Evolving Fuzzy Models. , 2006, , .		7
21	A Method for Predicting Quality of the Crude Oil Distillation. , 2006, , .		18
22	EVOLVING FUZZY RULE-BASED SYSTEMS FOR MODELLING OF NON-LINEAR NON-STATIONARY PROCESSES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 43-50.	0.4	O
23	Advances in classification of EEG signals via evolving fuzzy classifiers and dependant multiple HMMs. Computers in Biology and Medicine, 2006, 36, 1064-1083.	7.0	16
24	Fuzzy systems design: direct and indirect approaches. Soft Computing, 2006, 10, 836-849.	3.6	15
25	Sequential Adaptive Fuzzy Inference System (SAFIS) for nonlinear system identification and prediction. Fuzzy Sets and Systems, 2006, 157, 1260-1275.	2.7	330
26	Biologically inspired behaviour design for autonomous robotic fish. International Journal of Automation and Computing, 2006, 3, 336-347.	4.5	67
27	Online Multivariable Identification of a MIMO Distillation Column Using Evolving Takagi-Sugeno Fuzzy Model., 2006,,.		1
28	Evolutionary Takagi-Sugeno Fuzzy Modelling for MR Damper. , 2006, , .		3
29	Real-Time Online Fuzzy Modeling for Robotic Manipulators. , 2007, , .		0
30	On-Line Learning of Evolving Neural Models for Process Identification and Abnormality Detection. , 2007, , .		O
31	Multivariable GA-Based Identification of TS Fuzzy Models: MIMO Distillation Column Model Case Study. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	3
32	An Adaptive Hybrid Model for Monthly Streamflow Forecasting. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	9
33	Real Time Knowledge Acquisition Based on Unsupervised Learning of Evolving Neural Models. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	1
34	Incremental Hyperplane-based Fuzzy Clustering for System Modeling. , 2007, , .		8
35	Design of a sliding mode fuzzy observer for uncertain Takagi-Sugeno fuzzy model: application to automatic steering of vehicles. International Journal of Vehicle Autonomous Systems, 2007, 5, 288.	0.2	18
36	Development of a Self-Organized Neuro-Fuzzy Model for System Identification. Journal of Vibration and Acoustics, Transactions of the ASME, 2007, 129, 507-513.	1.6	6

#	Article	IF	CITATIONS
37	Evolving Fuzzy Rule-based Classifiers. , 2007, , .		43
38	Fuzzy modelling using Kalman filter. IET Control Theory and Applications, 2007, 1, 58-64.	2.1	26
39	Intelligent prediction model of matte grade in copper flash smelting process. Transactions of Nonferrous Metals Society of China, 2007, 17, 1075-1081.	4.2	21
40	An On-Line Fuzzy Predictor from Real-Time Data. IEEE International Conference on Fuzzy Systems, 2007,	0.0	2
41	Evolving Fuzzy Model-based Adaptive Control. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	6
42	Evolving Single- And Multi-Model Fuzzy Classifiers with FLEXFIS-Class. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	36
43	Architectures for evolving fuzzy rule-based classifiers. , 2007, , .		15
44	Automatic Design of Hierarchical Takagi–Sugeno Type Fuzzy Systems Using Evolutionary Algorithms. IEEE Transactions on Fuzzy Systems, 2007, 15, 385-397.	9.8	112
45	A Comparative Study between an Offline and an Online Fuzzy Model. , 2007, , .		1
46	Design of sliding mode unknown input observer for uncertain Takagi-Sugeno model. , 2007, , .		44
47	Autonomous Visual Self-localization in Completely Unknown Environment using Evolving Fuzzy Rule-based Classifier. , 2007, , .		43
48	Forecasting sunspot numbers with the aid of fuzzy descriptor models. Space Weather, 2007, 5, .	3.7	18
49	A new approach for online fuzzy identification by potential clustering including rule reduction. , 2007, , .		1
50	On-line identification of computationally undemanding evolving fuzzy models. Fuzzy Sets and Systems, 2007, 158, 1997-2012.	2.7	33
51	Estimating the concentration of optically active constituents of sea water by Takagi–Sugeno models with quadratic rule consequents. Pattern Recognition, 2007, 40, 2846-2860.	8.1	8
52	Laser Pose Estimation and Tracking Using Fuzzy Extended Information Filtering for an Autonomous Mobile Robot. Journal of Intelligent and Robotic Systems: Theory and Applications, 2008, 53, 119-143.	3.4	7
53	Application of evolving Takagi–Sugeno fuzzy model to nonlinear system identification. Applied Soft Computing Journal, 2008, 8, 676-686.	7.2	116
54	Direct adaptive fuzzy control with a self-structuring algorithm. Fuzzy Sets and Systems, 2008, 159, 871-899.	2.7	75

#	Article	IF	Citations
55	Particle swarm approaches using Lozi map chaotic sequences to fuzzy modelling of an experimental thermal-vacuum system. Applied Soft Computing Journal, 2008, 8, 1354-1364.	7.2	92
56	An improved fuzzy neural network based on T–S model. Expert Systems With Applications, 2008, 34, 2905-2920.	7.6	44
57	Evolving fuzzy classifiers using different model architectures. Fuzzy Sets and Systems, 2008, 159, 3160-3182.	2.7	179
58	Data-driven evolving fuzzy systems using eTS and FLEXFIS: comparative analysis. International Journal of General Systems, 2008, 37, 45-67.	2.5	23
59	Fully Evolvable Optimal Neurofuzzy Controller Using Adaptive Critic Designs. IEEE Transactions on Fuzzy Systems, 2008, 16, 1450-1461.	9.8	32
60	Autonomous novelty detection and object tracking in video streams using evolving clustering and Takagi-Sugeno type neuro-fuzzy system. , 2008, , .		38
61	A Self-Evolving Interval Type-2 Fuzzy Neural Network With Online Structure and Parameter Learning. IEEE Transactions on Fuzzy Systems, 2008, 16, 1411-1424.	9.8	273
62	Fast Multiobjective Genetic Rule Learning Using an Efficient Method for Takagi-Sugeno Fuzzy Systems Identification., 2008,,.		6
63	Fault detection and isolation using sliding mode observer for uncertain Takagi-Sugeno fuzzy model. , 2008, , .		39
64	Applying evolving fuzzy models with adaptive local error bars to on-line fault detection. , 2008, , .		12
65	FLEXFIS: A Robust Incremental Learning Approach for Evolving Takagi–Sugeno Fuzzy Models. IEEE Transactions on Fuzzy Systems, 2008, 16, 1393-1410.	9.8	300
66	An Incremental Clustering Method and Its Application in Online Fuzzy Modeling. , 2008, , 163-178.		4
67	Process Modeling Based on Process Similarity. Industrial & Engineering Chemistry Research, 2008, 47, 1967-1974.	3.7	39
68	An Evolutionary Approach Toward Dynamic Self-Generated Fuzzy Inference Systems. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 963-969.	5.0	22
69	Discrete Takagi–Sugeno's Fuzzy Models: Reduction of the Number of LMI in Fuzzy Control Techniques. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 1423-1427.	5.0	18
70	Evolving Fuzzy-Rule-Based Classifiers From Data Streams. IEEE Transactions on Fuzzy Systems, 2008, 16, 1462-1475.	9.8	323
72	A hybrid of cooperative particle swarm optimization and cultural algorithm for neural fuzzy networks. , 2008, , .		5
73	Application of a new copmact optimized T-S fuzzy model to nonlinear system identification. , 2008, , .		4

#	Article	IF	CITATIONS
74	Guest Editorial Evolving Fuzzy Systems–-Preface to the Special Section. IEEE Transactions on Fuzzy Systems, 2008, 16, 1390-1392.	9.8	25
75	Improving the robustness of data-driven fuzzy systems with regularization. , 2008, , .		7
76	On line learning fuzzy rule-based system structure from data streams. , 2008, , .		43
77	Adaptive control of robot manipulators using an incremental fuzzy system. , 2008, , .		0
78	Evolving fuzzy inferential sensors for process industry. , 2008, , .		8
79	Hierarchical Takagi-Sugeno type fuzzy system for diabetes mellitus forecasting. , 2008, , .		17
80	A fast approach to novelty detection in video streams using recursive density estimation. , 2008, , .		25
81	An Evolving Fuzzy Predictor for Industrial Applications. IEEE Transactions on Fuzzy Systems, 2008, 16, 1439-1449.	9.8	55
82	On-line identification of an electronic component placement process using a potential fuzzy clustering scheme. , 2008, , .		2
83	A new adaptive neuro-fuzzy approach for on-line nonlinear system identification. , 2008, , .		0
84	An adaptive fuzzy semantic memory model based on the computational principles of the human hippocampus. , 2008, , .		1
85	A New Soft Sensor Based on Dynamic Principal Component Analysis and on-line Potential Fuzzy Clustering. , 2008, , .		0
86	An incremental construction learning algorithm for identification of T-S Fuzzy Systems. , 2008, , .		5
87	Online fuzzy logic crack detection of a cantilever beam. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2008, 12, 157-171.	1.0	8
88	Solving the ocean color inverse problem by using evolutionary multi-objective optimization of neuro-fuzzy systems. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2009, 12, 339-355.	1.0	5
89	A NEW ONLINE DISTRIBUTED PROCESS FAULT DETECTION AND ISOLATION APPROACH USING POTENTIAL CLUSTERING TECHNIQUE., 2009,,.		0
90	eFSLab: Developing evolving fuzzy systems from data in a friendly environment. , 2009, , .		4
91	Generating training data for identifying neurofuzzy models of non-linear dynamic systems. , 2009, , .		4

#	Article	IF	CITATIONS
92	Model-based Fuzzy Control for Buildings Installed with Magneto-rheological Dampers. Journal of Intelligent Material Systems and Structures, 2009, 20, 1091-1105.	2.5	14
93	An evolving neuro-fuzzy recurrent network. , 2009, , .		0
94	Indirect adaptive controller based on a self-structuring fuzzy system for nonlinear modeling and control. International Journal of Applied Mathematics and Computer Science, 2009, 19, 619-630.	1.5	13
95	Fault correction of an airflow signal in a gasoline engine system using a neural fuzzy scheme and genetic algorithm. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2009, 223, 533-547.	1.9	2
96	Process similarity and developing new process models through migration. AICHE Journal, 2009, 55, 2318-2328.	3.6	60
97	Hybrid robust approach for TSK fuzzy modeling with outliers. Expert Systems With Applications, 2009, 36, 8925-8931.	7.6	23
98	System Identification for a Miniature Helicopter at Hover Using Fuzzy Models. Journal of Intelligent and Robotic Systems: Theory and Applications, 2009, 56, 345-362.	3.4	16
99	An Adaptive Genetic-Based Incremental Architecture for the On-Line Coordination of Embedded Agents. Cognitive Computation, 2009, 1, 300-326.	5.2	3
100	State and unknown input estimation for discrete time multiple model. Journal of the Franklin Institute, 2009, 346, 593-610.	3.4	76
101	Evolving fuzzy modelling in risk analysis. Intelligent Systems in Accounting, Finance and Management, 2009, 16, 71-86.	4.6	15
102	Model Migration for Development of a New Process Model. Industrial & Engineering Chemistry Research, 2009, 48, 9603-9610.	3.7	32
103	Verifying the Use of Evolving Fuzzy Systems for Multi-Step Ahead Daily Inflow Forecasting. , 2009, , .		8
104	Online identification of a neuro-fuzzy model through indirect fuzzy clustering of data space., 2009,,.		4
105	A Hybrid of Cooperative Particle Swarm Optimization and Cultural Algorithm for Neural Fuzzy Networks and Its Prediction Applications. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2009, 39, 55-68.	2.9	151
106	Adaptive Fuzzy Filtering in a Deterministic Setting. IEEE Transactions on Fuzzy Systems, 2009, 17, 763-776.	9.8	14
107	Interval-based evolving modeling. , 2009, , .		9
108	SOFMLS: Online Self-Organizing Fuzzy Modified Least-Squares Network. IEEE Transactions on Fuzzy Systems, 2009, 17, 1296-1309.	9.8	311
109	Nonlinear identification and adaptive control based on self-structuring fuzzy systems. , 2009, , .		0

#	Article	IF	Citations
110	Modelling evolving user behaviours. , 2009, , .		10
111	An Evolving Fuzzy Neural Network Based on the Mapping of Similarities. IEEE Transactions on Fuzzy Systems, 2009, 17, 1379-1396.	9.8	16
112	Ant Colony Optimization Incorporated With Fuzzy Q-Learning for Reinforcement Fuzzy Control. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2009, 39, 597-608.	2.9	44
113	Online Sequential Fuzzy Extreme Learning Machine for Function Approximation and Classification Problems. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 1067-1072.	5.0	306
114	Faster Self-Organizing Fuzzy Neural Network Training and a Hyperparameter Analysis for a Brain–Computer Interface. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 1458-1471.	5.0	82
115	Sensor Virtual Adaptable de Concentraci $ ilde{A}^3$ n de Etanol para Fermentadores Industriales. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2009, 6, 61-67.	1.0	1
116	Design of cluster-wise optimal fuzzy logic controllers to model input-output relationships of some manufacturing processes. International Journal of Data Mining, Modelling and Management, 2009, 1, 178.	0.1	2
117	Gustafson-Kessel algorithm for evolving data stream clustering. Proceedings of the International Conference on Computer Systems and Technologies and Workshop for PhD Students in Computing, 2009, , .	0.0	14
118	Error estimation of a neuro-fuzzy predictor for prognostic purpose. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 131-136.	0.4	4
119	Design of observers for Takagi-Sugeno fuzzy models for Fault Detection and Isolation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1109-1114.	0.4	19
120	Adaptive fuzzy modeling of hovering submarine based on on-line clustering. , 2010, , .		3
122	A New Multimodel Approach for Complex Processes Modeling Based on Classification Algorithms: Experimental Validation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 480-486.	0.4	0
125	Robust classification of low-grade cervical cytology following analysis with ATR-FTIR spectroscopy and subsequent application of self-learning classifier eClass. Analytical and Bioanalytical Chemistry, 2010, 398, 2191-2201.	3.7	30
126	An online predictor model as adaptive habitually linear and transiently nonlinear model. Evolving Systems, 2010, 1, 29-41.	3.9	31
127	Evolving fuzzy optimally pruned extreme learning machine for regression problems. Evolving Systems, 2010, 1, 43-58.	3.9	47
128	Recursive Gath–Geva clustering as a basis for evolving neuro-fuzzy modeling. Evolving Systems, 2010, 1, 59-71.	3.9	63
129	Evolving classification of agents' behaviors: a general approach. Evolving Systems, 2010, 1, 161-171.	3.9	56
130	A structure evolving learning method for fuzzy systems. Evolving Systems, 2010, 1, 83-95.	3.9	21

#	Article	IF	CITATIONS
131	Backpropagation to train an evolving radial basis function neural network. Evolving Systems, 2010, 1, 173-180.	3.9	28
132	Automatic clustering-based identification of autoregressive fuzzy inference models for time series. Neurocomputing, 2010, 73, 1937-1949.	<b>5.</b> 9	13
133	Defining and applying prediction performance metrics on a recurrent NARX time series model. Neurocomputing, 2010, 73, 2506-2521.	<b>5.</b> 9	51
134	Autoregressive time series prediction by means of fuzzy inference systems using nonparametric residual variance estimation. Fuzzy Sets and Systems, 2010, 161, 471-497.	2.7	33
135	Clustering: A neural network approach. Neural Networks, 2010, 23, 89-107.	5.9	233
136	Predictive functional control based on an adaptive fuzzy model of a hybrid semi-batch reactor. Control Engineering Practice, 2010, 18, 979-989.	5.5	55
137	A new approach for multimodel identification of complex systems based on both neural and fuzzy clustering algorithms. Engineering Applications of Artificial Intelligence, 2010, 23, 1064-1071.	8.1	30
138	On-line evolving image classifiers and their application to surface inspection. Image and Vision Computing, 2010, 28, 1065-1079.	4.5	35
139	Data-driven fuzzy modeling for Takagi–Sugeno–Kang fuzzy system. Information Sciences, 2010, 180, 241-255.	6.9	101
140	A modified gradient-based neuro-fuzzy learning algorithm and its convergence. Information Sciences, 2010, 180, 1630-1642.	6.9	56
143	Kalman Filter in Control and Modeling. , 2010, , .		1
144	Decision Support for Evolving Clustering. Advances in Intelligent and Soft Computing, 2010, , 305-312.	0.2	0
145	A mixed fuzzy recursive least-squares estimation for online identification of Takagi-Sugeno models. , 2010, , .		0
146	Evolving takagi sugeno modelling with memory for slow processes. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2010, 14, 11-19.	1.0	10
147	Load forecasting using wavelet fuzzy neural network. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2010, 14, 57-71.	1.0	4
148	Towards Efficient Multi-objective Genetic Takagi-Sugeno Fuzzy Systems for High Dimensional Problems. Adaptation, Learning, and Optimization, 2010, , 397-422.	0.6	4
149	On utilizing self-organizing fuzzy neural networks for financial forecasts in the NN5 forecasting competition. , 2010, , .		6
150	Evolving fuzzy Optimally Pruned Extreme Learning Machine: A comparative analysis. , 2010, , .		5

#	Article	IF	CITATIONS
152	Temporal and spatial Evolving Knowledge Base system with sequential clustering. , 2010, , .		5
153	A predictor from numerical data based on fuzzy sets and rough sets. , 2010, , .		2
154	Identifying user strategies in exploratory learning with evolving task modelling. , 2010, , .		1
155	Real-time human activity recognition from wireless sensors using evolving fuzzy systems. , 2010, , .		20
157	A simple fuzzy rule-based system through vector membership and kernel-based granulation. , 2010, , .		14
160	BACKPROPAGATION THROUGH TIME TRAINING OF A NEURO-FUZZY CONTROLLER. International Journal of Neural Systems, 2010, 20, 421-428.	5.2	18
161	HUMAN ACTIVITY RECOGNITION BASED ON EVOLVING FUZZY SYSTEMS. International Journal of Neural Systems, 2010, 20, 355-364.	5.2	60
162	User modeling: Through statistical analysis and an evolving classifier. , 2010, , .		1
163	Evolving fuzzy linear regression trees. , 2010, , .		2
164	An exTS based neuro-fuzzy algorithm for prognostics and tool condition monitoring. , 2010, , .		6
165	Self-adaptive modeling method based on T-S fuzzy RBF NN and its application. , 2010, , .		0
166	An evolving Mamdani-Takagi-Sugeno based neural-fuzzy inference system with improved interpretability-accuracy., 2010,,.		2
167	An Evolving-Construction Scheme for Fuzzy Systems. IEEE Transactions on Fuzzy Systems, 2010, 18, 755-770.	9.8	27
168	Forecasting time-series for NN GC1 using Evolving Takagi-Sugeno (eTS) Fuzzy Systems with on-line inputs selection. , 2010, , .		3
169	Evolving Fuzzy Classifiers: Application to Incremental Learning of Handwritten Gesture Recognition Systems., 2010,,.		12
170	Model Free Adaptive Control based on FRM with an approach to reduce the control activity. , 2010, , .		9
171	Development of a Novel Soft Sensor Using a Local Model Network with an Adaptive Subtractive Clustering Approach. Industrial & Engineering Chemistry Research, 2010, 49, 4738-4747.	3.7	21
172	A neuro-fuzzy self built system for prognostics: a way to ensure good prediction accuracy by balancing complexity and generalization. , 2010, , .		4

#	ARTICLE	IF	CITATIONS
173	Recursive Gath-Geva clustering as a basis for evolving neuro-fuzzy modeling. , 2010, , .		17
174	Adaptive Inferential Sensors Based on Evolving Fuzzy Models. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 529-539.	5.0	45
175	An Interval Type-2 Fuzzy-Neural Network With Support-Vector Regression for Noisy Regression Problems. IEEE Transactions on Fuzzy Systems, 2010, 18, 686-699.	9.8	131
176	A BCM Theory of Meta-Plasticity for Online Self-Reorganizing Fuzzy-Associative Learning. IEEE Transactions on Neural Networks, 2010, 21, 985-1003.	4.2	33
177	Personalizable Pen-Based Interface Using Lifelong Learning. , 2010, , .		11
178	Prognostics in switching systems: Evidential markovian classification of real-time neuro-fuzzy predictions. , 2010, , .		30
179	Location of a Person by Means of Sensors' Network. , 2010, , .		6
180	A Locally Recurrent Fuzzy Neural Network With Support Vector Regression for Dynamic System Modeling. IEEE Transactions on Fuzzy Systems, 2010, , .	9.8	40
181	Improving Premise Structure in Evolving Takagi-Sugeno Neuro-Fuzzy Classifiers. , 2010, , .		2
182	A compensatory neurofuzzy system with online constructing and parameter learning. , 2010, , .		1
183	A three-part input-output clustering-based approach to fuzzy system identification. , 2010, , .		2
184	eFSM—A Novel Online Neural-Fuzzy Semantic Memory Model. IEEE Transactions on Neural Networks, 2010, 21, 136-157.	4.2	51
185	A Simplified Structure Evolving Method for Fuzzy System structure learning., 2011,,.		1
186	A self-organising fuzzy neural network with locally recurrent self-adaptive synapses. , 2011, , .		2
187	Evolving human activity classifier from sensor streams. , 2011, , .		0
188	Adaptive kernel smoothing regression using vector quantization. , 2011, , .		1
189	Long term prediction approaches based on connexionist systems - A study for prognostics application. , 2011, , .		4
190	Uniformly Stable Backpropagation Algorithm to Train a Feedforward Neural Network. IEEE Transactions on Neural Networks, 2011, 22, 356-366.	4.2	79

#	Article	IF	CITATIONS
191	Combustion engine modelling using an evolving local model network., 2011,,.		8
192	A hybrid continuity preserving inference strategy to speed up Takagi-Sugeno multiobjective genetic fuzzy systems. , 2011, , .		3
193	Evolving ensemble of fuzzy models. , 2011, , .		2
194	Supervised Hierarchical Clustering in Fuzzy Model Identification. IEEE Transactions on Fuzzy Systems, 2011, 19, 1163-1176.	9.8	52
195	Robust adaptive self-structuring fuzzy control design for nonaffine, nonlinear systems. International Journal of Systems Science, 2011, 42, 149-169.	5 <b>.</b> 5	9
196	Speedup of Implementing Fuzzy Neural Networks With High-Dimensional Inputs Through Parallel Processing on Graphic Processing Units. IEEE Transactions on Fuzzy Systems, 2011, 19, 717-728.	9.8	85
197	SaFIN: A Self-Adaptive Fuzzy Inference Network. IEEE Transactions on Neural Networks, 2011, 22, 1928-1940.	4.2	50
198	Evolving fuzzy systems for pricing fixed income options. , 2011, , .		6
199	Fuzzily Connected Multimodel Systems Evolving Autonomously From Data Streams. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 898-910.	5.0	80
200	Evaluation of fuzzy-based maximum power-tracking in wind energy conversion systems. IET Renewable Power Generation, 2011, 5, 422.	3.1	26
201	On employing fuzzy modeling algorithms for the valuation of residential premises. Information Sciences, 2011, 181, 5123-5142.	6.9	50
202	Top-down strategies based on adaptive fuzzy rule-based systems for daily time series forecasting. International Journal of Forecasting, 2011, 27, 708-724.	6.5	38
203	Evolving fuzzy systems for data streams: a survey. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2011, 1, 461-476.	6.8	18
204	A Generalized Ellipsoidal Basis Function Based Online Self-constructing Fuzzy Neural Network. Neural Processing Letters, 2011, 34, 13-37.	3.2	49
205	Extended sequential adaptive fuzzy inference system for classification problems. Evolving Systems, 2011, 2, 71-82.	3.9	77
206	Recursive clustering based on a Gustafson–Kessel algorithm. Evolving Systems, 2011, 2, 15-24.	3.9	103
207	Improving premise structure in evolving Takagi–Sugeno neuro-fuzzy classifiers. Evolving Systems, 2011, 2, 25-33.	3.9	30
208	Fuzzy evolving linear regression trees. Evolving Systems, 2011, 2, 1-14.	3.9	43

#	Article	IF	CITATIONS
209	Spatial–temporal knowledge base for modeling and analysis of evolving systems. Evolving Systems, 2011, 2, 131-143.	3.9	1
210	A real-time personal authentication system based on incremental feature extraction and classification of audiovisual information. Evolving Systems, 2011, 2, 261-272.	3.9	6
211	An approach to automatic real-time novelty detection, object identification, and tracking in video streams based on recursive density estimation and evolving Takagi-Sugeno fuzzy systems. International Journal of Intelligent Systems, 2011, 26, 189-205.	5.7	60
212	Handling drifts and shifts in on-line data streams with evolving fuzzy systems. Applied Soft Computing Journal, 2011, 11, 2057-2068.	7.2	166
213	An incremental support vector machine-trained TS-type fuzzy system for online classification problems. Fuzzy Sets and Systems, 2011, 163, 24-44.	2.7	34
214	Reducing arbitrary choices in model building for prognostics: An approach by applying parsimony principle on an evolving neuro-fuzzy system. Microelectronics Reliability, 2011, 51, 310-320.	1.7	21
215	On reducing computational overhead in multi-objective genetic Takagi–Sugeno fuzzy systems. Applied Soft Computing Journal, 2011, 11, 675-688.	7.2	32
216	Recursive fuzzy c-means clustering for recursive fuzzy identification of time-varying processes. ISA Transactions, 2011, 50, 159-169.	5.7	79
217	Simpl_eClass: Simplified potential-free evolving fuzzy rule-based classifiers. , 2011, , .		9
218	Automatic scene recognition for low-resource devices using evolving classifiers., 2011,,.		3
219	Consideration of invasion, intrusion, and consciousness in biomedical sensing with uncertainty. , $2011,  ,  .$		1
220	Towards application of FML in suspicion of non-common diseases. , 2011, , .		3
221	Bayesian ART-based fuzzy inference system: A new approach to prognosis of machining processes. , 2011,		16
222	Splitting K-means generated Neural Fuzzy System with Support Vector Regression., 2011,,.		0
223	Evolving fuzzy linear regression trees with feature selection. , 2011, , .		4
224	Online identification of evolved Takagi Sugeno fuzzy model for CO <inf>2</inf> sequestration process., 2011,,.		1
225	Real-time driver characterization during car following using stochastic evolving models., 2011,,.		30
226	A sequential learning algorithm for meta-cognitive neuro-fuzzy inference system for classification problems. , 2011, , .		14

#	Article	IF	CITATIONS
227	On-line identification of thermal process using a modified ts-type neuro-fuzzy system., 2011,,.		2
228	A safety system for intelligent E-bike with fuzzy approach. , 2011, , .		0
229	Fuzzy identification of nonlinear hybrid dynamic systems using modified potential clustering., 2011,,.		0
230	Using Evolving Fuzzy Models to Predict Crude Oil Distillation Side Streams. Applied Mechanics and Materials, 0, 88-89, 432-437.	0.2	1
231	HUMAN ACTION RECOGNITION USING META-COGNITIVE NEURO-FUZZY INFERENCE SYSTEM. International Journal of Neural Systems, 2012, 22, 1250028.	5.2	44
232	Adaptive General Predictive Control Using Optimally Scheduled Multiple Models for Parallel-Coursing Utility Units With a Header. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2012, 134, .	1.6	1
233	A structure learning method for concise fuzzy systems. , 2012, , .		3
234	An enhanced approach for evolving participatory learning fuzzy modeling. , 2012, , .		4
235	Solving the sales prediction problem with fuzzy evolving methods. , 2012, , .		18
236	Methoden zur datengetriebenen Formulierung und Visualisierung von KausalitÄ <b>t</b> shypothesen. Automatisierungstechnik, 2012, 60, 630-640.	0.8	1
237	TSK Fuzzy Function Approximators: Design and Accuracy Analysis. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 702-712.	5.0	40
238	Braking Process Modeling and Simulation of CRH2 Electric Multiple Unit., 2012,,.		7
239	Generalized Predictive Control Based on Neurofuzzy Model for Electric Multiple Unit., 2012,,.		0
240	Modeling of the relative humidity via functional networks and control of the temperature via classic controls for a bird incubator. Neural Computing and Applications, 2012, 21, 1491-1500.	5.6	4
241	A meta-cognitive sequential learning algorithm for neuro-fuzzy inference system. Applied Soft Computing Journal, 2012, 12, 3603-3614.	7.2	107
242	A similarity-based learning algorithm for fuzzy system identification with a two-layer optimization scheme. , 2012, , .		0
243	An off-online fuzzy modelling method for fault prognosis with an application. , 2012, , .		5
244	Evolving activity recognition from sensor streams. , 2012, , .		4

#	Article	IF	Citations
245	Fuzzy associative learning of feature dependency for time series forecasting. , 2012, , .		0
246	Experimental results of evolving Takagi—Sugeno fuzzy models for a nonlinear benchmark. , 2012, , .		6
247	MIMO evolving functional fuzzy models for interest rate forecasting. , 2012, , .		11
248	Connexionist-Systems-Based Long Term Prediction Approaches for Prognostics. IEEE Transactions on Reliability, 2012, 61, 909-920.	4.6	50
249	A TSK-based fuzzy system for telecommunications time-series forecasting. , 2012, , .		1
250	Evolving Neural Fuzzy Network with Adaptive Feature Selection. , 2012, , .		6
251	Online estimation of stochastic volatility for asset returns. , 2012, , .		13
252	Human action recognition using Meta-Cognitive Neuro-Fuzzy Inference System., 2012,,.		11
253	An online rule weighting method to classify data streams. , 2012, , .		1
254	Complex-valued neuro-fuzzy inference system for wind prediction. , 2012, , .		14
255	Self-reorganizing TSK fuzzy inference system with BCM theory of meta-plasticity. , 2012, , .		1
256	Evolving granular neural network for fuzzy time series forecasting. , 2012, , .		11
257	Traffic prediction using a Generic Self-Evolving Takagi-Sugeno-Kang (GSETSK) fuzzy neural network. , 2012, , .		2
258	Thermal modeling of power transformers using evolving fuzzy systems. Engineering Applications of Artificial Intelligence, 2012, 25, 980-988.	8.1	34
259	Adaptive prediction of epileptic seizures from intracranial recordings. Biomedical Signal Processing and Control, 2012, 7, 456-464.	5.7	15
260	Creating Evolving User Behavior Profiles Automatically. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 854-867.	5.7	99
261	Online modeling of real-world time series through evolving AR models. , 2012, , .		6
262	Thermal management of an independent steam reformer for a solid oxide fuel cell with constrained generalized predictive control. International Journal of Hydrogen Energy, 2012, 37, 12317-12331.	7.1	37

#	ARTICLE	IF	CITATIONS
263	Adaptive fuzzy system to forecast financial time series volatility. Journal of Intelligent and Fuzzy Systems, 2012, 23, 27-38.	1.4	18
264	Multiple sensor fault diagnosis for non-linear and dynamic system by evolving approach. , 2012, , .		2
265	Self-evolving parameter-free Rule-based Controller. , 2012, , .		23
266	Solving the sales prediction problem with fuzzy evolving methods. , 2012, , .		13
267	Online handwritten gesture recognition based on Takagi-Sugeno fuzzy models. , 2012, , .		8
268	MIMO evolving participatory learning fuzzy modeling. , 2012, , .		7
269	Extreme Learning for Evolving Hybrid Neural Networks. , 2012, , .		4
270	Noise Pollution Prevention in Wind Turbines: Status and Recent Advances. Sustainability, 2012, 4, 1104-1117.	3.2	34
271	A new evolving compact optimised Takagi–Sugeno fuzzy model and its application to nonlinear system identification. International Journal of Systems Science, 2012, 43, 776-785.	5.5	18
272	Signal and Data Processing for Machine Olfaction and Chemical Sensing: A Review. IEEE Sensors Journal, 2012, 12, 3189-3214.	4.7	272
273	Evolving fuzzy systems for pricing fixed income options. Evolving Systems, 2012, 3, 5-18.	3.9	46
274	Introducing evolving Takagi–Sugeno method based on local least squares support vector machine models. Evolving Systems, 2012, 3, 81-93.	3.9	24
275	An improved approach of self-organising fuzzy neural network based on similarity measures. Evolving Systems, 2012, 3, 19-30.	3.9	22
276	Evolving fuzzy granular modeling from nonstationary fuzzy data streams. Evolving Systems, 2012, 3, 65-79.	3.9	110
277	Fast evolving neuro-fuzzy model and its application in online classification and time series prediction. Pattern Analysis and Applications, 2012, 15, 279-288.	4.6	5
278	Evidential evolving Gustafson–Kessel algorithm for online data streams partitioning using belief function theory. International Journal of Approximate Reasoning, 2012, 53, 747-768.	3.3	34
279	A new systematic design for Habitually Linear Evolving TS Fuzzy Model. Expert Systems With Applications, 2012, 39, 1725-1736.	7.6	15
280	On-line adaptive clustering for process monitoring and fault detection. Expert Systems With Applications, 2012, 39, 10226-10235.	7.6	21

#	Article	IF	CITATIONS
281	An evolving neuro-fuzzy technique for system state forecasting. Neurocomputing, 2012, 87, 111-119.	5.9	27
282	Adaptive kernel smoothing regression for spatio-temporal environmental datasets. Neurocomputing, 2012, 90, 59-65.	5.9	3
283	Using Evolving Fuzzy Classifiers to Classify Consumers with Different Model Architectures. Physics Procedia, 2012, 25, 1627-1636.	1.2	0
284	Identification of cement rotary kiln using hierarchical wavelet fuzzy inference system. Journal of the Franklin Institute, 2012, 349, 162-183.	3.4	16
285	A System-on-Chip Development of a Neuro–Fuzzy Embedded Agent for Ambient-Intelligence Environments. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 501-512.	5.0	24
286	Adaptive Control Schemes for Discrete-Time T–S Fuzzy Systems With Unknown Parameters and Actuator Failures. IEEE Transactions on Fuzzy Systems, 2012, 20, 471-486.	9.8	39
287	ARPOP: An Appetitive Reward-Based Pseudo-Outer-Product Neural Fuzzy Inference System Inspired From the Operant Conditioning of Feeding Behavior in Aplysia. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 317-329.	11.3	15
288	Guest editorial: Evolving learning and adaptive modelling approaches to prediction, forecasting and controlâ€" preface to the special issue. Evolving Systems, 2012, 3, 1-3.	3.9	0
289	Hierarchical wavelet packet fuzzy inference system for pattern classification and system identification. International Journal of Systems Science, 2013, 44, 109-126.	5.5	1
290	Takagi-Sugeno Fuzzy Representation to Modelling and State Estimation. Intelligent Systems Reference Library, 2013, , 451-479.	1.2	2
291	Neural Network Identification Based Multivariable Feedback Linearization Robust Control for a Two-Link Manipulator. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 72, 167-178.	3.4	20
292	Fuzzy Control of a Helio-Crane. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 72, 497-515.	3.4	8
294	Application of neural network and fuzzy model to grinding process control. Evolving Systems, 2013, 4, 195-201.	3.9	12
295	Evolving integrated multi-model framework for on line multiple time series prediction. Evolving Systems, 2013, 4, 99-117.	3.9	8
296	Stability analysis and controller synthesis for fuzzy descriptor systems. International Journal of Systems Science, 2013, 44, 23-33.	5.5	31
297	Evolving fuzzy rule-based classifier based on GENEFIS. , 2013, , .		16
298	Evolving granular neural networks from fuzzy data streams. Neural Networks, 2013, 38, 1-16.	5.9	95
299	Data driven modeling based on dynamic parsimonious fuzzy neural network. Neurocomputing, 2013, 110, 18-28.	5.9	62

#	Article	IF	CITATIONS
300	Ensemble method based on individual evolving classifiers. , 2013, , .		9
301	Resolving global and local drifts in data stream regression using evolving rule-based models. , 2013, , .		5
302	Data-Driven Interval Type-2 Neural Fuzzy System With High Learning Accuracy and Improved Model Interpretability. IEEE Transactions on Cybernetics, 2013, 43, 1781-1795.	9.5	80
303	Reduced Interval Type-2 Neural Fuzzy System Using Weighted Bound-Set Boundary Operation for Computation Speedup and Chip Implementation. IEEE Transactions on Fuzzy Systems, 2013, 21, 477-491.	9.8	38
304	Evolving systems for computer user behavior classification. , 2013, , .		7
305	A Meta-cognitive Interval Type-2 fuzzy inference system classifier and its projection based learning algorithm., 2013,,.		24
306	Online identification of complex multi-input-multi-output system based on generic evolving neuro-fuzzy inference system. , 2013, , .		7
307	Generalized Flexible Fuzzy Inference Systems. , 2013, , .		2
308	Asphaltene deposition prediction using adaptive neuro-fuzzy models based on laboratory measurements. Fluid Phase Equilibria, 2013, 337, 89-99.	2.5	18
309	Direct model reference adaptive internal model controller for better voltage sag ride through in doubly fed induction generator wind farms. International Journal of Electrical Power and Energy Systems, 2013, 47, 255-263.	5.5	15
310	Evolving Takagi–Sugeno fuzzy model based on switching to neighboring models. Applied Soft Computing Journal, 2013, 13, 939-946.	7.2	31
311	Simulated annealing approach to fuzzy modeling of servo systems. , 2013, , .		1
312	Online activity recognition using evolving classifiers. Expert Systems With Applications, 2013, 40, 1248-1255.	7.6	68
313	Adaptive fault detection and diagnosis using an evolving fuzzy classifier. Information Sciences, 2013, 220, 64-85.	6.9	126
314	On-line assurance of interpretability criteria in evolving fuzzy systems – Achievements, new concepts and open issues. Information Sciences, 2013, 251, 22-46.	6.9	108
315	Object Detection Using Color Entropies and a Fuzzy Classifier. IEEE Computational Intelligence Magazine, 2013, 8, 33-45.	3.2	24
316	Voltage sag ride through using Improved Adaptive Internal Model Controller for doubly fed induction generator wind farms. Computers and Electrical Engineering, 2013, 39, 214-224.	4.8	8
317	Online extraction of main linear trends for nonlinear time-varying processes. Information Sciences, 2013, 220, 22-33.	6.9	4

#	ARTICLE	IF	CITATIONS
318	A novel adaptive fuzzy predictive control for hybrid systems with mixed inputs. Engineering Applications of Artificial Intelligence, 2013, 26, 1512-1531.	8.1	8
319	Local model network identification for online engine modelling. Information Sciences, 2013, 220, 210-225.	6.9	37
320	Local and global optimization for Takagi–Sugeno fuzzy system by memetic genetic programming. Expert Systems With Applications, 2013, 40, 3282-3298.	7.6	14
321	A simplified structure evolving method for Mamdani fuzzy system identification and its application to high-dimensional problems. Information Sciences, 2013, 220, 110-123.	6.9	34
322	eT2FIS: An Evolving Type-2 Neural Fuzzy Inference System. Information Sciences, 2013, 220, 124-148.	6.9	94
323	Evolving Neo-fuzzy Neural Network with Adaptive Feature Selection. , 2013, , .		13
324	E2GKpro: An evidential evolving multi-modeling approach for system behavior prediction with applications. Mechanical Systems and Signal Processing, 2013, 37, 213-228.	8.0	14
325	A Metacognitive Neuro-Fuzzy Inference System (McFIS) for Sequential Classification Problems. IEEE Transactions on Fuzzy Systems, 2013, 21, 1080-1095.	9.8	109
326	Application of T-S Fuzzy Neural Network in the Assessment of River Ecosystem Health. Advanced Materials Research, 2013, 726-731, 958-962.	0.3	1
327	A New Gradient Descent Approach for Local Learning of Fuzzy Neural Models. IEEE Transactions on Fuzzy Systems, 2013, 21, 30-44.	9.8	38
328	Dynamic Data-Driven Fuzzy Modeling of Software Reliability Growth. Studies in Fuzziness and Soft Computing, 2013, , 241-252.	0.8	1
330	Robust evolving cloud-based controller for a hydraulic plant. , 2013, , .		35
331	Zero-Error Density Maximization based learning algorithm for a neuro-fuzzy inference system. , 2013, , .		5
332	Using Confusion Reject to Improve (User and) System (Cross) Learning of Gesture Commands. , 2013, , .		1
333	Online learning and prediction of data streams using dynamically evolving fuzzy approach., 2013,,.		5
334	INTELLIGENT SELF-DEVELOPING AND SELF-ADAPTIVE ELECTRIC LOAD FORECASTER BASED ON TYPE-2 FUZZY BAYESIAN YING-YANG LEARNING ALGORITHM. Applied Artificial Intelligence, 2013, 27, 818-850.	3.2	1
335	A projection based learning algorithm for Meta-Cognitive Neuro-Fuzzy Inference system. , 2013, , .		3
336	Reliable All-Pairs Evolving Fuzzy Classifiers. IEEE Transactions on Fuzzy Systems, 2013, 21, 625-641.	9.8	78

#	Article	IF	CITATIONS
337	Implementing stochastic distribution within the utopia plane of primary producers using a hybrid genetic algorithm. International Journal of Computer Applications in Technology, 2013, 47, 68.	0.5	5
338	Mathematical methods to quantify and characterise the primary elements of trophic systems. International Journal of Computer Applications in Technology, 2013, 47, 314.	0.5	6
339	Real-time nonlinear modeling of a twin rotor MIMO system using evolving neuro-fuzzy network. , 2014, , .		11
340	Meta-cognitive Interval Type-2 neuro-fuzzy inference system for wind prediction. , 2014, , .		4
341	Fuzzy predictive controller design using Ant Colony Optimization algorithm. , 2014, , .		2
342	DEC: Dynamically Evolving Clustering and Its Application to Structure Identification of Evolving Fuzzy Models. IEEE Transactions on Cybernetics, 2014, 44, 1619-1631.	9.5	61
343	Meta-cognitive fuzzy extreme learning machine. , 2014, , .		4
344	User Interaction Optimization for an Evolving Classifier of Handwritten Gesture Commands. , 2014, , .		0
345	Dynamic system modeling of industrial boiler. , 2014, , .		0
346	Cloud-based identification of an evolving system with supervisory mechanisms. , 2014, , .		24
347	Speed tracking control for electric multiple unit based on unmodeled dynamics compensation. , 2014, , .		0
348	Supervision Strategies for the Online Learning of an Evolving Classifier for Gesture Commands. , 2014, , .		0
349	Dynamic fuzzy modelling of cooling coil system. , 2014, , .		1
350	Recursive possibilistic fuzzy modeling. , 2014, , .		14
351	An ensemble method based on evolving classifiers: eStacking. , 2014, , .		5
352	Online fault identification of the potential information clustering based on resetting variance kalman filtering. , 2014, , .		0
353	A self tuning regulator for nonlinear time varying control systems based on evolving linear models. , 2014, , .		1
354	Dynamically evolving fuzzy classifier for real-time classification of data streams. , 2014, , .		7

#	Article	IF	Citations
355	A computationally fast Interval Type-2 Neuro-Fuzzy Inference System and its Meta-Cognitive projection based learning algorithm. , 2014, , .		7
356	Multi-objective control design of the nonlinear systems using genetic algorithm. , 2014, , .		3
357	Combining Semantic Web Technologies with Evolving Fuzzy Classifier eClass for EHR-Based Phenotyping: A Feasibility Study., 2014,, 195-208.		0
358	Generalized dynamical fuzzy model for identification and prediction. Journal of Intelligent and Fuzzy Systems, 2014, 26, 1771-1785.	1.4	3
359	Structure and parameter optimization of FNNs using multi-objective ACO for control and prediction. , 2014, , .		2
360	A novel T–S fuzzy systems identification with block structured sparse representation. Journal of the Franklin Institute, 2014, 351, 3508-3523.	3.4	15
361	A modified gradient learning algorithm with smoothing L1/2 regularization for Takagi–Sugeno fuzzy models. Neurocomputing, 2014, 138, 229-237.	5.9	17
362	GENEFIS: Toward an Effective Localist Network. IEEE Transactions on Fuzzy Systems, 2014, 22, 547-562.	9.8	142
363	Enhanced evolving participatory learning fuzzy modeling: an application for asset returns volatility forecasting. Evolving Systems, 2014, 5, 75-88.	3.9	41
364	A Novel Weight Adjustment Method for Handling Concept-Drift in Data Stream Classification. Arabian Journal for Science and Engineering, 2014, 39, 799-807.	1.1	4
365	Rejecting Multiplicative Input Disturbance Using Fuzzy Model-Free Adaptive Control. Arabian Journal for Science and Engineering, 2014, 39, 2381-2392.	1.1	2
366	Evolving classification of UNIX users' behaviors. Evolving Systems, 2014, 5, 231-238.	3.9	4
367	Multiple sensor fault diagnosis by evolving data-driven approach. Information Sciences, 2014, 259, 346-358.	6.9	33
368	A fast learning algorithm for evolving neo-fuzzy neuron. Applied Soft Computing Journal, 2014, 14, 194-209.	7.2	80
369	Online probabilistic learning for fuzzy inference system. Expert Systems With Applications, 2014, 41, 5082-5096.	7.6	24
370	Online identification of evolving Takagi–Sugeno–Kang fuzzy models for crane systems. Applied Soft Computing Journal, 2014, 24, 1155-1163.	7.2	63
371	ILClass: Error-driven antecedent learning for evolving Takagi-Sugeno classification systems. Applied Soft Computing Journal, 2014, 19, 419-429.	7.2	7
372	Self-tuning of 2 DOF control based on evolving fuzzy model. Applied Soft Computing Journal, 2014, 19, 403-418.	7.2	44

#	ARTICLE	IF	CITATIONS
373	An online self-adaptive modular neural network for time-varying systems. Neurocomputing, 2014, 125, 7-16.	5.9	41
374	Speed tracking control using an ANFIS model for high-speed electric multiple unit. Control Engineering Practice, 2014, 23, 57-65.	5.5	36
375	A robust fuzzy adaptive law for evolving control systems. Evolving Systems, 2014, 5, 3-10.	3.9	57
376	A review of novelty detection. Signal Processing, 2014, 99, 215-249.	3.7	1,122
377	Time series forecasting using Artificial Neural Networks vs. evolving models. , 2014, , .		4
378	Towards evolving fuzzy reference controller. , 2014, , .		5
379	Evolving fuzzy-madel-based on c-regression clustering. , 2014, , .		8
380	An Interval Type-2 Neural Fuzzy Chip With On-Chip Incremental Learning Ability for Time-Varying Data Sequence Prediction and System Control. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 216-228.	11.3	28
381	Evolving Takagi-Sugeno model based on online Gustafson-Kessel algorithm and kernel recursive least square method. , 2014, , .		1
382	Remaining Useful Life Estimation by Classification of Predictions Based on a Neuro-Fuzzy System and Theory of Belief Functions. IEEE Transactions on Reliability, 2014, 63, 555-566.	4.6	49
383	A 2 DOF predictive control based on evolving fuzzy model. , 2014, , .		2
384	Context-sensitive modeling of input source configuration for evolving intelligent systems. , 2014, , .		2
385	Man-machine cooperation for the on-line training of an evolving classifier. , 2014, , .		0
386	A dialog management methodology based on evolving Fuzzy-rule-based (FRB) classifiers. , 2014, , .		2
387	An optical flow feature and McFIS based approach for 3-dimensional human action recognition. , 2014, , .		2
388	eTS fuzzy driver model for simultaneous longitudinal and lateral vehicle control. International Journal of Automotive Technology, 2014, 15, 781-794.	1.4	8
389	A Metacognitive Complex-Valued Interval Type-2 Fuzzy Inference System. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1659-1672.	11.3	29
390	Rule-Based Cooperative Continuous Ant Colony Optimization to Improve the Accuracy of Fuzzy System Design. IEEE Transactions on Fuzzy Systems, 2014, 22, 723-735.	9.8	54

#	Article	IF	CITATIONS
391	Numerical study on the feasibility of dynamic evolving neural-fuzzy inference system for approximation of compressive strength of dry-cast concrete. Applied Soft Computing Journal, 2014, 24, 572-584.	7.2	17
392	A general methodology for online TS fuzzy modeling by the extended Kalman filter. Applied Soft Computing Journal, 2014, 18, 277-289.	7.2	32
393	A meta-cognitive interval type-2 fuzzy inference system and its projection based learning algorithm. Evolving Systems, 2014, 5, 219-230.	3.9	61
394	Self-adaptive and local strategies for a smooth treatment of drifts in data streams. Evolving Systems, 2014, 5, 239-257.	3.9	62
395	Visualization of evolving fuzzy rule-based systems. Evolving Systems, 2014, 5, 175-191.	3.9	9
396	A design methodology for semi-physical fuzzy models applied to the dynamic characterization of LiFePO4 batteries. Applied Soft Computing Journal, 2014, 14, 269-288.	7.2	26
397	Water leakage forecasting: the application of a modified fuzzy evolving algorithm. Applied Soft Computing Journal, 2014, 14, 305-315.	7.2	14
398	Neural fuzzy inference systems with knowledge-based cultural differential evolution for nonlinear system control. Information Sciences, 2014, 270, 154-171.	6.9	9
399	Uninorm based evolving neural networks and approximation capabilities. Neurocomputing, 2014, 127, 13-20.	5.9	56
400	PANFIS: A Novel Incremental Learning Machine. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 55-68.	11.3	232
401	kENFIS: kNN-based evolving neuro-fuzzy inference system for computer worms detection. Journal of Intelligent and Fuzzy Systems, 2014, 26, 1893-1908.	1.4	13
402	Robust Evolving Fuzzy Adaptive Control With Input-domain Clustering. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 5387-5392.	0.4	8
403	Influence of the data codification when applying evolving classifiers to develop spoken dialog systems. , 2014, , .		0
404	A modified scheme for all-pairs evolving fuzzy classifiers. , 2014, , .		0
406	PCBA demand forecasting using an evolving Takagi-Sugeno system. , 2015, , .		2
407	Comparison of Approaches for Identification of All-data Cloud-based Evolving Systems. IFAC-PapersOnLine, 2015, 48, 129-134.	0.9	10
408	General fuzzy models for dynamical systems. , 2015, , .		0
409	Agent Based Fuzzy T-S Multi-Model System and Its Applications. Applied Sciences (Switzerland), 2015, 5, 1235-1251.	2.5	1

#	Article	IF	Citations
410	Real-time Determination of Driver's Driving Behavior during Car Following. SAE International Journal of Passenger Cars - Electronic and Electrical Systems, 2015, 8, 371-378.	0.3	12
411	A Reconstruction Procedure Associated with Switching Lyapunov Function for Relaxing Stability Assurance of T-S Fuzzy Mode. Mathematical Problems in Engineering, 2015, 2015, 1-12.	1.1	1
412	A Fuzzy Neural Network Based on Non-Euclidean Distance Clustering for Quality Index Model in Slashing Process. Mathematical Problems in Engineering, 2015, 2015, 1-9.	1.1	2
413	Fuzzy Clustering Using the Convex Hull as Geometrical Model. Advances in Fuzzy Systems, 2015, 2015, 1-13.	0.9	10
414	Evolving Fuzzy Rules for Anomaly Detection in Data Streams. IEEE Transactions on Fuzzy Systems, 2015, 23, 688-700.	9.8	38
415	pClass: An Effective Classifier for Streaming Examples. IEEE Transactions on Fuzzy Systems, 2015, 23, 369-386.	9.8	108
416	Possible use of evolving c-regression clustering for energy consumption profiles classification. , 2015, , .		4
417	Multiobjective evolutionary optimization of quadratic Takagi-Sugeno fuzzy rules for remote bathymetry estimation. , 2015, , .		1
418	Improved online fuzzy clustering based on unconstrained kernels., 2015, , .		4
419	Evolving possibilistic fuzzy modeling. , 2015, , .		5
420	Adaptive Input Selection and Evolving Neural Fuzzy Networks Modeling. International Journal of Computational Intelligence Systems, 2015, 8, 3-14.	2.7	4
421	Vehicle Speed Prediction in a Convoy Using V2V Communication. , 2015, , .		29
422	TSK type self-organising online fuzzy equalisation to mitigate nonlinear power amplifier distortions		
	in OFDM systems. International Journal of Autonomous and Adaptive Communications Systems, 2015, 8, 23.	0.3	0
423		0.3	4
423		0.3	
	An incremental interval Type-2 neural fuzzy Classifier. , 2015, , .  Interval Type-2 Recursive Fuzzy C-Means Clustering Algorithm in the TS Fuzzy Model Identification. ,	0.3	4
424	An incremental interval Type-2 neural fuzzy Classifier., 2015,,.  Interval Type-2 Recursive Fuzzy C-Means Clustering Algorithm in the TS Fuzzy Model Identification., 2015,,.	0.3	3

#	Article	IF	CITATIONS
428	Takagi-Sugeno fuzzy model for DC-DC converters. , 2015, , .		8
429	Autonomous data stream clustering implementing split-and-merge concepts – Towards a plug-and-play approach. Information Sciences, 2015, 304, 54-79.	6.9	91
430	On-line learning with minimized change of the global mapping. Evolving Systems, 2015, 6, 131-151.	3.9	0
431	A hybrid cascade neural network with an optimized pool in each cascade. Soft Computing, 2015, 19, 3445-3454.	3.6	13
432	SO-ARTIST: Self-Organized ART-2A inspired clustering for online Takagi–Sugeno fuzzy models. Applied Soft Computing Journal, 2015, 31, 132-152.	7.2	2
433	An Evolving Interval Type-2 Neurofuzzy Inference System and Its Metacognitive Sequential Learning Algorithm. IEEE Transactions on Fuzzy Systems, 2015, 23, 2080-2093.	9.8	71
434	A rule-based development of incremental models. International Journal of Approximate Reasoning, 2015, 64, 20-38.	3.3	7
435	A new data-driven neural fuzzy system with collaborative fuzzy clustering mechanism. Neurocomputing, 2015, 167, 558-568.	5.9	30
436	A Robust Evolving Cloud-Based Controller. , 2015, , 1435-1449.		8
437	GSETSK: a generic self-evolving TSK fuzzy neural network with a novel Hebbian-based rule reduction approach. Applied Soft Computing Journal, 2015, 35, 29-42.	7.2	29
438	Distributed HS-ARTMAP and its forecasting model for electricity load. Applied Soft Computing Journal, 2015, 32, 13-22.	7.2	19
439	Generalized smart evolving fuzzy systems. Evolving Systems, 2015, 6, 269-292.	3.9	135
440	Implementation of an Evolving Fuzzy Model (eFuMo) in a Monitoring System for a Waste-Water Treatment Process. IEEE Transactions on Fuzzy Systems, 2015, 23, 1761-1776.	9.8	110
441	Evolving Gustafson-kessel Possibilistic c-Means Clustering. Procedia Computer Science, 2015, 53, 191-198.	2.0	21
442	Speedup of Learning in Interval Type-2 Neural Fuzzy Systems Through Graphic Processing Units. IEEE Transactions on Fuzzy Systems, 2015, 23, 1286-1298.	9.8	6
443	Efficient sample selection in data stream regression employing evolving generalized fuzzy models. , 2015, , .		1
444	TITS-FM: Transductive incremental Takagi-Sugeno fuzzy models. Applied Soft Computing Journal, 2015, 26, 531-544.	7.2	6
445	Fuzzy human motion analysis: A review. Pattern Recognition, 2015, 48, 1773-1796.	8.1	74

#	ARTICLE	IF	Citations
446	Minimax Probability TSK Fuzzy System Classifier: A More Transparent and Highly Interpretable Classification Model. IEEE Transactions on Fuzzy Systems, 2015, 23, 813-826.	9.8	66
447	Fully unsupervised fault detection and identification based on recursive density estimation and self-evolving cloud-based classifier. Neurocomputing, 2015, 150, 289-303.	5.9	104
448	Multivariable fuzzy inference system for fingerprinting indoor localization. Fuzzy Sets and Systems, 2015, 269, 65-89.	2.7	24
449	CFNN: Correlated fuzzy neural network. Neurocomputing, 2015, 148, 430-444.	5.9	37
450	Specific stability region analysis for uncertain fuzzy descriptor systems with multiple derivative matrices. International Journal of Systems Science, 2016, 47, 1917-1930.	5.5	1
451	A new approach for online T-S fuzzy identification and model predictive control of nonlinear systems. JVC/Journal of Vibration and Control, 2016, 22, 1820-1837.	2.6	10
452	Intelligent Model Building and GPC-PID Based Temperature Curve Control Strategy for Metallurgical Industry. Mathematical Problems in Engineering, 2016, 2016, 1-16.	1.1	5
453	Fuzzy Granular Neural Network for incremental modeling of nonlinear chaotic systems. , 2016, , .		5
454	Social network analysis: Evolving Twitter mining. , 2016, , .		11
455	Wide area adaptive neuro fuzzy STATCOM controller for dynamic stability enhancement., 2016,,.		1
456	Evolving fuzzy models for the position control of twin rotor aerodynamic systems. , 2016, , .		5
457	Adaptive learning of an evolving cascade neo-fuzzy system in data stream mining tasks. Evolving Systems, 2016, 7, 107-116.	3.9	31
459	SONFIS: Structure Identification and Modeling with a Self-Organizing Neuro-Fuzzy Inference System. International Journal of Computational Intelligence Systems, 2016, 9, 416.	2.7	6
460	Evolving granular analytics for interval time series forecasting. Granular Computing, 2016, 1, 213-224.	8.0	92
461	Observer-based method for synchronization of uncertain fractional order chaotic systems by the use of a general type-2 fuzzy system. Applied Soft Computing Journal, 2016, 49, 544-560.	7.2	36
462	Fuzzy modeling of drivers' actions at intersections. , 2016, , .		4
463	Evolving type-2 recurrent fuzzy neural network. , 2016, , .		5
464	Wide area adaptive hybrid fuzzy STATCOM controller for dynamic stability enhancement. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2016, 35, 1830-1849.	0.9	2

#	Article	IF	Citations
465	Evolving possibilistic fuzzy modeling for equity options pricing. , 2016, , .		0
466	Evolving fuzzy model for short-term prediction of energy consumption profiles. , 2016, , .		0
467	On-line Evolving Cloud-based Model Identification for Production Control. IFAC-PapersOnLine, 2016, 49, 79-84.	0.9	17
468	Automatic Generation of Type-1 and Interval Type-2 Membership Functions for Prediction of Time Series Data. Lecture Notes in Computer Science, 2016, , 353-364.	1.3	0
469	Evolving fuzzy models for myoelectric-based control of a prosthetic hand. , 2016, , .		20
470	Autonomous Data Density based clustering method. , 2016, , .		7
471	Evolving fuzzy model based performance identification for production control., 2016,,.		3
473	The 2017 IEEE International Conference on Fuzzy Systems. IEEE Computational Intelligence Magazine, 2016, 11, C3-C3.	3.2	0
474	An interval type-2 fuzzy inference system and its meta-cognitive learning algorithm. Evolving Systems, 2016, 7, 95-105.	3.9	13
475	Evolving Takagi–Sugeno model based on online Gustafson-Kessel algorithm and kernel recursive least square method. Evolving Systems, 2016, 7, 1-14.	3.9	16
476	Potential of evolving AR and ARX models in signal recovering. Evolving Systems, 2016, 7, 61-72.	3.9	1
477	Online Local Input Selection Through Evolving Heterogeneous Fuzzy Inference System. IEEE Transactions on Fuzzy Systems, 2016, 24, 1364-1377.	9.8	17
478	Intra-specific competitive co-evolutionary artificial neural network for data classification. Neurocomputing, 2016, 185, 220-230.	5.9	9
479	Incremental Similarity for real-time on-line incremental learning systems. Pattern Recognition Letters, 2016, 74, 61-67.	4.2	3
480	Scaffolding type-2 classifier for incremental learning under concept drifts. Neurocomputing, 2016, 191, 304-329.	5.9	70
481	Evolving Fuzzy-GARCH Approach for Financial Volatility Modeling and Forecasting. Computational Economics, 2016, 48, 379-398.	2.6	18
482	Evolving Type-2 Fuzzy Classifier. IEEE Transactions on Fuzzy Systems, 2016, 24, 574-589.	9.8	109
483	Fuzzy-Based Goal Representation Adaptive Dynamic Programming. IEEE Transactions on Fuzzy Systems, 2016, 24, 1159-1175.	9.8	43

#	Article	IF	CITATIONS
484	Online Regulation of High Speed Train Trajectory Control Based on T-S Fuzzy Bilinear Model. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 1496-1508.	8.0	54
485	Method for Higher Order polynomial Sugeno Fuzzy Inference Systems. Information Sciences, 2016, 351, 76-89.	6.9	15
486	Web news mining in an evolving framework. Information Fusion, 2016, 28, 90-98.	19.1	34
487	A self tuning regulator design for nonlinear time varying systems based on evolving linear models. Evolving Systems, 2016, 7, 159-172.	3.9	10
488	Parameterization and Adaptive Control of Multivariable Noncanonical T-S Fuzzy Systems. IEEE Transactions on Fuzzy Systems, 2017, 25, 156-171.	9.8	14
489	Effects of drift and noise on the optimal sliding window size for data stream regression models. Communications in Statistics - Theory and Methods, 2017, 46, 5109-5132.	1.0	13
490	Evolving Possibilistic Fuzzy Modeling for Realized Volatility Forecasting With Jumps. IEEE Transactions on Fuzzy Systems, 2017, 25, 302-314.	9.8	39
491	Self-evolving fuzzy model-based controller with online structure and parameter learning for hypersonic vehicle. Aerospace Science and Technology, 2017, 64, 1-15.	4.8	26
492	Evolving type-2 web news mining. Applied Soft Computing Journal, 2017, 54, 200-220.	7.2	35
493	Concurrent Learning for Parameter Estimation Using Dynamic State-Derivative Estimators. IEEE Transactions on Automatic Control, 2017, 62, 3594-3601.	5.7	117
494	Evolving possibilistic fuzzy modelling. Journal of Statistical Computation and Simulation, 2017, 87, 1446-1466.	1.2	4
495	Research on the detection of fabric color difference based on Tâ€5 fuzzy neural network. Color Research and Application, 2017, 42, 609-618.	1.6	17
496	An evolving possibilistic fuzzy modeling approach for Value-at-Risk estimation. Applied Soft Computing Journal, 2017, 60, 820-830.	7.2	11
497	Data driven modelling based on Recurrent Interval-Valued Metacognitive Scaffolding Fuzzy Neural Network. Neurocomputing, 2017, 262, 4-27.	5.9	27
498	Evolving fuzzy models for the position control of magnetic levitation systems. , 2017, , .		4
499	An online classification algorithm for large scale data streams: iGNGSVM. Neurocomputing, 2017, 262, 67-76.	5.9	5
501	An entropy-based online multi-model identification algorithm and generalized predictive control. Journal of Intelligent and Fuzzy Systems, 2017, 32, 2339-2349.	1.4	0
502	A new MPPT scheme based on a novel fuzzy approach. Renewable and Sustainable Energy Reviews, 2017, 74, 1147-1169.	16.4	79

#	Article	IF	CITATIONS
503	A fully-online Neuro-Fuzzy model for flow forecasting in basins with limited data. Journal of Hydrology, 2017, 545, 424-435.	5.4	47
505	A novel meta-cognitive fuzzy-neural model with backstepping strategy for adaptive control of uncertain nonlinear systems. Neurocomputing, 2017, 230, 332-344.	5.9	19
506	Robust adaptive controller based on evolving linear model applied to a Ball-Handling mechanism. Control Engineering Practice, 2017, 69, 85-98.	5.5	7
507	INFGMN – Incremental Neuro-Fuzzy Gaussian mixture network. Expert Systems With Applications, 2017, 89, 160-178.	7.6	5
508	Evolving fuzzy models for Anti-lock Braking Systems. , 2017, , .		3
509	Forgetting of unused classes in missing data environment using automatically generated data: Application to on-line handwritten gesture command recognition. Pattern Recognition, 2017, 72, 355-367.	8.1	8
510	Evolving participatory learning fuzzy modeling for financial interval time series forecasting., 2017,,.		7
511	Evolving fuzzy model in fault detection system. , 2017, , .		2
512	An implementation of an evolving fuzzy controller. , 2017, , .		2
513	A clustering algorithm based TS fuzzy model for tracking dynamical system data. Journal of the Franklin Institute, 2017, 354, 5617-5645.	3.4	8
514	An Incremental Learning of Concept Drifts Using Evolving Type-2 Recurrent Fuzzy Neural Networks. IEEE Transactions on Fuzzy Systems, 2017, 25, 1175-1192.	9.8	112
515	Improved quantification of important beer quality parameters based on nonlinear calibration methods applied to FT-MIR spectra. Analytical and Bioanalytical Chemistry, 2017, 409, 841-857.	3.7	10
516	pClass+: A Novel Evolving Semi-Supervised Classifier. International Journal of Fuzzy Systems, 2017, 19, 863-880.	4.0	17
517	Cognitive Quaternion Valued Neural Network and some applications. Neurocomputing, 2017, 221, 85-93.	5.9	38
519	Convergence analysis of the batch gradient-based neuro-fuzzy learning algorithm with smoothing L 1/2 regularization for the first-order Takagi–Sugeno system. Fuzzy Sets and Systems, 2017, 319, 28-49.	2.7	20
520	Predicting activity occurrence time in smart homes with evolving fuzzy models. , 2017, , .		2
521	Interval fuzzy rule-based modeling approach for financial time series forecasting. , 2017, , .		2
523	Distributed on-line learning for random-weight fuzzy neural networks., 2017,,.		8

#	Article	IF	CITATIONS
524	Learning evolving Mamdani fuzzy systems based on parameter optimization., 2017,,.		1
525	Bluetooth localization based on fuzzy models and particle swarm optimization., 2017,,.		2
526	Time series forecasting with interval type-2 intuitionistic fuzzy logic systems. , 2017, , .		20
527	Evolving cauchy possibilistic clustering and its application to large-scale cyberattack monitoring. , 2017, , .		4
528	Evolving neuro-fuzzy system based online identification of a bio-inspired flapping wing micro aerial vehicle. , $2017, \dots$		1
529	Real-Time Recognition of Calling Pattern and Behaviour of Mobile Phone Users through Anomaly Detection and Dynamically-Evolving Clustering. Applied Sciences (Switzerland), 2017, 7, 798.	2.5	11
530	Extracting T–S Fuzzy Models Using the Cuckoo Search Algorithm. Computational Intelligence and Neuroscience, 2017, 2017, 1-9.	1.7	6
531	Mathematical Modelling of Batch Distillation Columns: A Comparative Analysis of Non-Linear and Fuzzy Models. , 0, , .		4
532	Evolving fuzzy inference system based online identification and control of a quadcopter unmanned aerial vehicle. , $2017$ , , .		4
533	Elastic memory learning for fuzzy inference models. Applied Soft Computing Journal, 2018, 67, 1-7.	7.2	1
534	Motor Fault Detection and Diagnosis Based on a Meta-cognitive Random Vector Functional Link Network., 2018,, 15-44.		1
535	Short-Term Load Forecasting by Separating Daily Profiles and Using a Single Fuzzy Model Across the Entire Domain. IEEE Transactions on Industrial Electronics, 2018, 65, 7406-7415.	7.9	70
536	Design of Dynamic Modular Neural Network Based on Adaptive Particle Swarm Optimization Algorithm. IEEE Access, 2018, 6, 10850-10857.	4.2	19
537	Evolving Ensemble Fuzzy Classifier. IEEE Transactions on Fuzzy Systems, 2018, 26, 2552-2567.	9.8	84
538	Autonomous Learning Multimodel Systems From Data Streams. IEEE Transactions on Fuzzy Systems, 2018, 26, 2213-2224.	9.8	59
539	Stability of Evolving Fuzzy Systems Based on Data Clouds. IEEE Transactions on Fuzzy Systems, 2018, 26, 2774-2784.	9.8	23
540	Parsimonious random vector functional link network for data streams. Information Sciences, 2018, 430-431, 519-537.	6.9	39
541	Large-scale cyber attacks monitoring using Evolving Cauchy Possibilistic Clustering. Applied Soft Computing Journal, 2018, 62, 592-601.	7.2	25

#	Article	IF	CITATIONS
542	Robust synchronization of uncertain fractional-order chaotic systems with time-varying delay. Nonlinear Dynamics, 2018, 93, 1809-1821.	5.2	36
543	Reinforcement Learning-Based Differential Evolution With Cooperative Coevolution for a Compensatory Neuro-Fuzzy Controller. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4719-4729.	11.3	18
544	Sugeno-Fuzzy Expert System Modeling for Quality Prediction of Non-Contact Machining Process. IOP Conference Series: Materials Science and Engineering, 2018, 318, 012066.	0.6	0
545	Multiobjective Programming for Type-2 Hierarchical Fuzzy Inference Trees. IEEE Transactions on Fuzzy Systems, 2018, 26, 915-936.	9.8	16
546	Online Active Learning in Data Stream Regression Using Uncertainty Sampling Based on Evolving Generalized Fuzzy Models. IEEE Transactions on Fuzzy Systems, 2018, 26, 292-309.	9.8	75
547	Learning evolving T–S fuzzy systems with both local and global accuracy – A local online optimization approach. Applied Soft Computing Journal, 2018, 68, 795-810.	7.2	21
548	Correntropy-Based Evolving Fuzzy Neural System. IEEE Transactions on Fuzzy Systems, 2018, 26, 1324-1338.	9.8	51
549	Multi-ANFIS Model Based Synchronous Tracking Control of High-Speed Electric Multiple Unit. IEEE Transactions on Fuzzy Systems, 2018, 26, 1472-1484.	9.8	28
550	A robust structure identification method for evolving fuzzy system. Expert Systems With Applications, 2018, 93, 267-282.	7.6	12
551	Evolving Granular Fuzzy Min-Max Regression. Advances in Intelligent Systems and Computing, 2018, , 162-171.	0.6	4
552	Modeling techniques used in building HVAC control systems: A review. Renewable and Sustainable Energy Reviews, 2018, 83, 64-84.	16.4	232
553	Evolving cloud-based system for the recognition of drivers' actions. Expert Systems With Applications, 2018, 99, 231-238.	7.6	28
554	A Simple Takagi-Sugeno Fuzzy Modelling Case Study for an Underwater Glider Control System. , 2018, , .		9
555	Neural Adaptive Controller Applied to a VTOL Plant Using Takagi-Sugeno Fuzzy Model. , 2018, , .		1
556	A Meta-cognitive Recurrent Fuzzy Inference System with Memory Neurons (McRFIS-MN) and its Fast Learning Algorithm for Time Series Forecasting. , 2018, , .		5
557	A Novel Self-Organizing Neuro-Fuzzy based Intelligent Control System for a AR.Drone Quadcopter. , 2018, , .		2
558	An Incremental Self-Learning Algorithm with Robustness against Impulsive Noise. , 2018, , .		1
559	Foreign currency exchange rate prediction using neuro-fuzzy systems. Procedia Computer Science, 2018, 144, 232-238.	2.0	15

#	ARTICLE	IF	CITATIONS
560	Wind Speed Intervals Prediction using Meta-cognitive Approach. Procedia Computer Science, 2018, 144, 23-32.	2.0	6
561	Online Nonlinear System Identification with Evolving Spatial-Temporal Filters. , 2018, , .		3
562	Kernel Evolving Participatory Fuzzy Modeling for Time Series Forecasting., 2018,,.		8
563	Parsimonious Network Based on a Fuzzy Inference System (PANFIS) for Time Series Feature Prediction of Low Speed Slew Bearing Prognosis. Applied Sciences (Switzerland), 2018, 8, 2656.	2.5	48
564	Indoor RSSI-based Localization using Fuzzy Path Loss Models. , 2018, , .		2
565	A New Method for Parameterization of General Type-2 Fuzzy Sets. Fuzzy Information and Engineering, 2018, 10, 31-57.	1.7	18
566	Balance gate controlled deep neural network. Neurocomputing, 2018, 320, 183-194.	5.9	20
567	A New Computational Method for Solving Fully Fuzzy Nonlinear Systems. Lecture Notes in Computer Science, 2018, , 503-512.	1.3	18
568	Stock Market Price Forecasting Using a Kernel Participatory Learning Fuzzy Model. Communications in Computer and Information Science, 2018, , 361-373.	0.5	1
569	Regularized Fuzzy Neural Network Based on Or Neuron for Time Series Forecasting. Communications in Computer and Information Science, 2018, , 13-23.	0.5	17
570	Evolving Granular Fuzzy Min-Max Modeling. Communications in Computer and Information Science, 2018, , 37-48.	0.5	1
571	An approach for fuzzy Kalman filter modeling based on evolving clustering of experimental data. Journal of Intelligent and Fuzzy Systems, 2018, 35, 1819-1834.	1.4	5
572	A new method for identification of fuzzy models with controllability constraints. Applied Soft Computing Journal, 2018, 73, 254-262.	7.2	3
573	Structure and Evolving Fuzzy Models for Prosthetic Hand Myoelectric-Based Control Systems. , 2018, ,		5
574	Adaptive Granular Neural Networks for Remote Sensing Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 1848-1857.	4.9	4
575	Confidence-Interval-Fuzzy-Model-Based Indoor Localization. IEEE Transactions on Industrial Electronics, 2019, 66, 2015-2024.	7.9	27
576	Fuzzy Transfer Learning Using an Infinite Gaussian Mixture Model and Active Learning. IEEE Transactions on Fuzzy Systems, 2019, 27, 291-303.	9.8	38
577	Evolving Fuzzy Models for Prosthetic Hand Myoelectric-based Control Using Weighted Recursive Least Squares Algorithm for Identification. , 2019, , .		7

#	Article	IF	CITATIONS
578	Takagi-Sugeno Discrete Fuzzy Modeling: an IoT Controlled ABS for UAV., 2019,,.		3
579	A Novel Streaming Data Clustering Algorithm Based on Fitness Proportionate Sharing. IEEE Access, 2019, 7, 184985-185000.	4.2	18
580	A novel Spatio-Temporal Fuzzy Inference System (SPATFIS) and its stability analysis. Information Sciences, 2019, 505, 84-99.	6.9	18
581	A new Neuro-Fuzzy Inference System with Dynamic Neurons (NFIS-DN) for system identification and time series forecasting. Applied Soft Computing Journal, 2019, 82, 105567.	7.2	21
582	Pseudo DVL reconstruction by an evolutionary TS-fuzzy algorithm for ocean vehicles. Measurement: Journal of the International Measurement Confederation, 2019, 147, 106831.	5.0	12
583	Local optimality of self-organising neuro-fuzzy inference systems. Information Sciences, 2019, 503, 351-380.	6.9	21
584	Intelligent decision support system for the control of complex technical systems. Journal of Physics: Conference Series, 2019, 1327, 012009.	0.4	2
585	RIT2FIS: A Recurrent Interval Type 2 Fuzzy Inference System and its Rule Base Estimation., 2019,,.		1
586	Driving Intention Recognition and Lane Change Prediction on the Highway., 2019, , .		23
587	An Incremental Construction of Deep Neuro Fuzzy System for Continual Learning of Non-stationary Data Streams. IEEE Transactions on Fuzzy Systems, 2019, , 1-1.	9.8	13
588	Heuristic design of fuzzy inference systems: A review of three decades of research. Engineering Applications of Artificial Intelligence, 2019, 85, 845-864.	8.1	71
589	PALM: An Incremental Construction of Hyperplanes for Data Stream Regression. IEEE Transactions on Fuzzy Systems, 2019, 27, 2115-2129.	9.8	39
591	A decoupling control for quadrotor UAV using dynamic surface control and sliding mode disturbance observer. Nonlinear Dynamics, 2019, 97, 781-795.	5.2	40
592	New Fuzzy Approaches to Cryptocurrencies Investment Recommendation Systems. Advances in Intelligent Systems and Computing, 2019, , 135-147.	0.6	2
593	Deep stacked stochastic configuration networks for lifelong learning of non-stationary data streams. Information Sciences, 2019, 495, 150-174.	6.9	45
595	Prediction of fetal state from the cardiotocogram recordings using neural network models. Artificial Intelligence in Medicine, 2019, 96, 33-44.	6.5	34
596	Takagi–Sugeno Model-Based Reliable Sliding Mode Control of Descriptor Systems With Semi-Markov Parameters: Average Dwell Time Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1549-1558.	9.3	34
597	Fuzzy Rule-Based Modeling for Interval-Valued Data: An Application to High and Low Stock Prices Forecasting., 2019,, 403-424.		0

#	Article	IF	CITATIONS
598	Evolving fuzzy and neuro-fuzzy approaches in clustering, regression, identification, and classification: A Survey. Information Sciences, 2019, 490, 344-368.	6.9	203
599	Particle swarm optimized neuro-fuzzy system for photovoltaic power forecasting model. Solar Energy, 2019, 184, 91-104.	6.1	30
600	An evolving recurrent interval type-2 intuitionistic fuzzy neural network for online learning and time series prediction. Applied Soft Computing Journal, 2019, 78, 150-163.	7.2	96
601	Interval prediction of wave energy characteristics using meta-cognitive interval type-2 fuzzy inference system. Knowledge-Based Systems, 2019, 169, 28-38.	7.1	20
602	A non-singleton type-2 fuzzy neural network with adaptive secondary membership for high dimensional applications. Neurocomputing, 2019, 338, 63-71.	5.9	34
603	Integration Multi-Model to Evaluate the Impact of Surface Water Quality on City Sustainability: A Case from Maanshan City in China. Processes, 2019, 7, 25.	2.8	14
604	ParaFIS:A new online fuzzy inference system based on parallel drift anticipation., 2019,,.		1
605	Direct Adaptive Data Cloud based Fuzzy Control for NARMAX System. , 2019, , .		0
606	Fuzzy Logic Modeling and Observers Applied to Estimate Compositions in Batch Distillation Columns. , 2019, , .		0
607	Evolving Fuzzy and Neural Network Models of Finger Dynamics for Prosthetic Hand Myoelectric-based Control. , 2019, , .		2
608	Multiobjective Optimization of Fully Autonomous Evolving Fuzzy Granular Models., 2019,,.		1
609	Interpretable Approximation of a Deep Reinforcement Learning Agent as a Set of If-Then Rules. , 2019, , .		7
610	Novel Fuzzy System Identification: Comparative Study and Application for Data Forecasting. IEEE Latin America Transactions, 2019, 17, 1793-1799.	1.6	2
611	Fuzzy Model of Fault Finding in Systems of Responsible Appointment. , 2019, , .		3
612	Self-Organising and Self-Learning Model for Soybean Yield Prediction. , 2019, , .		5
613	RedPAC: A Simple Evolving Neuro-Fuzzy-based Intelligent Control Framework for Quadcopter., 2019,,.		2
614	Comparative study between the developed simulators based on the direct and indirect methods for calculation of the energy spectrum of the neutron source. Journal of Instrumentation, 2019, 14, P11019-P11019.	1.2	0
615	Online identification of a rotary wing Unmanned Aerial Vehicle from data streams. Applied Soft Computing Journal, 2019, 76, 313-325.	7.2	9

#	ARTICLE	IF	CITATIONS
616	Self-boosting first-order autonomous learning neuro-fuzzy systems. Applied Soft Computing Journal, 2019, 77, 118-134.	7.2	16
618	Brief Introduction to Statistical Machine Learning. Studies in Computational Intelligence, 2019, , 17-67.	0.9	2
619	Brief Introduction to Computational Intelligence. Studies in Computational Intelligence, 2019, , 69-99.	0.9	0
622	Anomaly Detection—Empirical Approach. Studies in Computational Intelligence, 2019, , 157-173.	0.9	1
623	Applications of Autonomous Data Partitioning. Studies in Computational Intelligence, 2019, , 261-276.	0.9	1
624	Applications of Autonomous Learning Multi-model Systems. Studies in Computational Intelligence, 2019, , 277-293.	0.9	0
625	Data Partitioningâ€"Empirical Approach. Studies in Computational Intelligence, 2019, , 175-198.	0.9	1
626	Autonomous Learning Multi-model Systems. Studies in Computational Intelligence, 2019, , 199-222.	0.9	0
627	An adaptive forecasting approach for copper price volatility through hybrid and non-hybrid models. Applied Soft Computing Journal, 2019, 74, 466-478.	7.2	51
628	A Self-Evolving Fuzzy System Which Learns Dynamic Threshold Parameter by Itself. IEEE Transactions on Fuzzy Systems, 2019, 27, 1625-1637.	9.8	31
629	Inner matrix norms in evolving Cauchy possibilistic clustering for classification and regression from data streams. Information Sciences, 2019, 478, 540-563.	6.9	19
630	AFCGD: an adaptive fuzzy classifier based on gradient descent. Soft Computing, 2019, 23, 4557-4571.	3.6	8
631	Efficient data retrieval using adaptive clustered indexing for continuous queries over streaming data. Cluster Computing, 2019, 22, 10503-10517.	5.0	3
632	Metacognitive learning approach for online tool condition monitoring. Journal of Intelligent Manufacturing, 2019, 30, 1717-1737.	7.3	17
633	Online Tool Condition Monitoring Based on Parsimonious Ensemble+. IEEE Transactions on Cybernetics, 2020, 50, 664-677.	9.5	31
634	Incremental Fuzzy C-Regression Clustering From Streaming Data for Local-Model-Network Identification. IEEE Transactions on Fuzzy Systems, 2020, 28, 758-767.	9.8	29
635	Metacognitive Octonion-Valued Neural Networks as They Relate to Time Series Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 539-548.	11.3	17
636	A Structural Evolving Approach for Fuzzy Systems. IEEE Transactions on Fuzzy Systems, 2020, 28, 273-287.	9.8	7

#	Article	IF	CITATIONS
637	Towards the use of fuzzy logic systems in rotary wing unmanned aerial vehicle: a review. Artificial Intelligence Review, 2020, 53, 257-290.	15.7	24
638	Learning data streams online — An evolving fuzzy system approach with self-learning/adaptive thresholds. Information Sciences, 2020, 507, 172-184.	6.9	31
639	T2-ETS-IE: A Type-2 Evolutionary Takagi–Sugeno Fuzzy Inference System With the Information Entropy-Based Pruning Technique. IEEE Transactions on Fuzzy Systems, 2020, 28, 2665-2672.	9.8	12
640	Robust and Noise-Insensitive Recursive Maximum Correntropy-Based Evolving Fuzzy System. IEEE Transactions on Fuzzy Systems, 2020, 28, 2277-2284.	9.8	14
641	Multiobjective control for nonlinear stochastic Poisson jump-diffusion systems via T-S fuzzy interpolation and Pareto optimal scheme. Fuzzy Sets and Systems, 2020, 385, 148-168.	2.7	7
642	Incremental Missing-Data Imputation for Evolving Fuzzy Granular Prediction. IEEE Transactions on Fuzzy Systems, 2020, 28, 2348-2362.	9.8	40
643	Fuzzy Ordered \$c\$-Means Clustering and Least Angle Regression for Fuzzy Rule-Based Classifier: Study for Imbalanced Data. IEEE Transactions on Fuzzy Systems, 2020, 28, 2799-2813.	9.8	15
644	PAC: A novel self-adaptive neuro-fuzzy controller for micro aerial vehicles. Information Sciences, 2020, 512, 481-505.	6.9	34
645	Learning elastic memory online for fast time series forecasting. Neurocomputing, 2020, 390, 315-326.	5.9	9
646	An online gradient-based parameter identification algorithm for the neuro-fuzzy systems. Fuzzy Sets and Systems, 2022, 426, 27-45.	2.7	4
647	An Improved Version of the Fuzzy Set Based Evolving Modeling with Multitask Learning. , 2020, , .		3
648	Hybrid System Identification by Incremental Fuzzy C-regression Clustering. , 2020, , .		3
649	Fuzzy quality evaluation of the information system. IOP Conference Series: Materials Science and Engineering, 2020, 919, 052027.	0.6	3
650	Methodology for modeling fuzzy Kalman filters of minimum realization from evolving clustering of experimental data. ISA Transactions, 2020, 105, 1-23.	5.7	6
651	A Novel Technique for Solving Fully Fuzzy Nonlinear Systems Based on Neural Networks. Vietnam Journal of Computer Science, 2020, 07, 93-107.	1.2	15
652	Multilayer Ensemble Evolving Fuzzy Inference System. IEEE Transactions on Fuzzy Systems, 2021, 29, 2425-2431.	9.8	18
653	An overview on evolving systems and learning from stream data. Evolving Systems, 2020, 11, 181-198.	3.9	39
655	Evaluating Sustainable Liveable City via Multi-MCDM and Hopfield Neural Network. Mathematical Problems in Engineering, 2020, 2020, 1-11.	1.1	11

#	Article	IF	CITATIONS
656	Evolving Fuzzy Models for Prosthetic Hand Myoelectric-Based Control. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4625-4636.	4.7	120
657	Particle Swarm Optimized Autonomous Learning Fuzzy System. IEEE Transactions on Cybernetics, 2021, 51, 5352-5363.	9.5	21
658	Central Heating Cost Optimization for Smart-Homes with Fuzzy Logic and a Multi-Agent Architecture. Applied Sciences (Switzerland), 2020, 10, 4057.	2.5	3
659	Bayesian Neuro-Fuzzy Inference System for Temporal Dependence Estimation. IEEE Transactions on Fuzzy Systems, 2021, 29, 2479-2490.	9.8	7
660	Variants of Recursive Consequent Parameters Learning in Evolving Neuro-Fuzzy Systems., 2020,,.		2
661	Nonlinear systems modelling based on self-organizing fuzzy neural network with hierarchical pruning scheme. Applied Soft Computing Journal, 2020, 95, 106516.	7.2	42
662	Scalable Teacher-Forcing Networks under Spark Environments for Large-Scale Streaming Problems. , 2020, , .		2
663	Learning the representation of raw acoustic emission signals by direct generative modelling and its use in chronology-based clusters identification. Engineering Applications of Artificial Intelligence, 2020, 90, 103478.	8.1	11
664	Advanced Fuzzy-Logic-Based Context-Driven Control for HVAC Management Systems in Buildings. IEEE Access, 2020, 8, 16111-16126.	4.2	36
665	Measurement of activeness lecturers in SmartLecturer based learning using fuzzy Mamdani and Sugeno. IOP Conference Series: Materials Science and Engineering, 2020, 725, 012112.	0.6	0
666	Development of system identification from traditional concepts to real-time soft computing based. IOP Conference Series: Materials Science and Engineering, 2020, 767, 012050.	0.6	5
667	An enhanced set-membership evolving participatory learning with kernel recursive least squares applied to thermal modeling of power transformers. Electric Power Systems Research, 2020, 184, 106334.	3.6	18
668	Transfer Representation Learning With TSK Fuzzy System. IEEE Transactions on Fuzzy Systems, 2021, 29, 649-663.	9.8	25
669	Explaining Deep Learning Models Through Rule-Based Approximation and Visualization. IEEE Transactions on Fuzzy Systems, 2021, 29, 2399-2407.	9.8	16
670	Condition Monitoring Based Control Using Wavelets and Machine Learning for Unmanned Surface Vehicles. IEEE Transactions on Industrial Electronics, 2021, 68, 7464-7473.	7.9	7
671	Constrained cuckoo search algorithm and Takagi-Sugeno fuzzy models for predictive control. Transactions of the Institute of Measurement and Control, 2021, 43, 1088-1101.	1.7	2
672	Online Nonlinear Dynamic System Identification With Evolving Spatial–Temporal Filters: Case Study on Turbocharged Engine Modeling. IEEE Transactions on Control Systems Technology, 2021, 29, 1364-1371.	5.2	6
673	Prediction Intervals for Granular Data Streams Based on Evolving Type-2 Fuzzy Granular Neural Network Dynamic Ensemble. IEEE Transactions on Fuzzy Systems, 2021, 29, 874-888.	9.8	17

#	Article	IF	CITATIONS
674	Adaptive dialogue management using intent clustering and fuzzy rules. Expert Systems, 2021, 38, .	<b>4.</b> 5	0
675	Layered control of forklift lateral stability based on Takagi–Sugenofuzzy neural network. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2021, 235, 1767-1780.	1.9	5
676	State-of-the-Art Integrated Guidance and Control Systems in Unmanned Vehicles: A Review. IEEE Systems Journal, 2021, 15, 3312-3323.	4.6	8
677	Improving the robustness of recursive consequent parameters learning in evolving neuro-fuzzy systems. Information Sciences, 2021, 545, 555-574.	6.9	27
678	Multitask learning applied to evolving fuzzy-rule-based predictors. Evolving Systems, 2021, 12, 407-422.	3.9	3
679	Self-organized direction aware for regularized fuzzy neural networks. Evolving Systems, 2021, 12, 303-317.	3.9	11
680	Admissibility and Design Issues for T-S Fuzzy Descriptor Systems With Perturbed Derivative Matrices in the Rules. IEEE Transactions on Fuzzy Systems, 2022, 30, 2574-2582.	9.8	8
681	Multiobjective Automated Type-2 Parsimonious Learning Machine to Forecast Time-Varying Stock Indices Online. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2874-2887.	9.3	6
682	Drift anticipation with forgetting to improve evolving fuzzy system. , 2021, , .		0
683	Online and Self-Learning Approach to the Identification of Fuzzy Neural Networks. IEEE Transactions on Fuzzy Systems, 2022, 30, 649-662.	9.8	8
684	Evolutionary aerial robotics: the human way of learning. , 2021, , 1-23.		4
685	A Bibliometric Statistical Analysis of the Fuzzy Inference System - based Classifiers. IEEE Access, 2021, 9, 77811-77829.	4.2	2
686	Performance Improvement of a Parsimonious Learning Machine Using Metaheuristic Approaches. IEEE Transactions on Cybernetics, 2022, 52, 7277-7290.	9.5	3
687	Statistically Evolving Fuzzy Inference System for Non-Gaussian Noises. IEEE Transactions on Fuzzy Systems, 2022, 30, 2649-2664.	9.8	11
688	Fuzzy model for assessing the organizational effect of an intelligent process control system. IOP Conference Series: Materials Science and Engineering, 2021, 1047, 012142.	0.6	0
689	Targeted approach to assessing the organizational effectiveness of an intelligent process control system. IOP Conference Series: Materials Science and Engineering, 2021, 1047, 012152.	0.6	0
690	COVID-19 cases prediction by using hybrid machine learning and beetle antennae search approach. Sustainable Cities and Society, 2021, 66, 102669.	10.4	230
691	Self-organizing fuzzy inference ensemble system for big streaming data classification. Knowledge-Based Systems, 2021, 218, 106870.	7.1	22

#	Article	IF	CITATIONS
692	A new interval type-2 fuzzy logic system under dynamic environment: Application to financial investment. Engineering Applications of Artificial Intelligence, 2021, 100, 104154.	8.1	18
693	A simple and efficient incremental missing data imputation method for evolving neo-fuzzy network. Evolving Systems, $0$ , $1$ .	3.9	1
694	Variable step-size evolving participatory learning with kernel recursive least squares applied to gas prices forecasting in Brazil. Evolving Systems, 2022, 13, 297-306.	3.9	0
695	An evolving neuro-fuzzy classifier for fault diagnosis of gear systems. ISA Transactions, 2022, 123, 372-380.	5.7	11
696	Power Transformers Thermal Modeling using an Enhanced Set-Membership Multivariable Gaussian Evolving Fuzzy System. Electric Power Systems Research, 2021, 194, 107088.	3.6	6
697	Active fault-tolerant control system for a swash mass helicopter using back-stepping approach. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2022, 236, 39-53.	1.0	2
698	Online OPF Using Combined MOGA-ETS to Minimize Losses and Extend Battery Lifetime in Micro-Grid., 2021,,.		0
699	Evolving Fuzzy Modeling with Variable Step-Size applied to Gas Prices Forecasting in Brazil. , 2021, , .		0
700	Adaptive fuzzy modeling of interval-valued stream data and application in cryptocurrencies prediction. Neural Computing and Applications, 2023, 35, 7149-7159.	5.6	9
701	Ensemble Precipitation Estimation Using a Fuzzy Rule-Based Model. Engineering Proceedings, 2021, 5, 48.	0.4	0
702	A novel Data-driven fuzzy aggregation method for Takagi-Sugeno-Kang fuzzy Neural network system using ensemble learning. , 2021, , .		2
703	Adaptive Fuzzy Systems for Predictive Diagnostics of Railway Facilities. Lecture Notes in Networks and Systems, 2022, , 170-179.	0.7	1
704	<mml:math altimg="si1.svg" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="script">H</mml:mi><mml:mi>â^ž</mml:mi></mml:msub></mml:math> fuzzy state estimation for delayed genetic regulatory networks with random gain fluctuations and reaction-diffusion. Journal of the Franklin Institute, 2021, 358, 8694-8714.	3.4	12
705	A type-3 logic fuzzy system: Optimized by a correntropy based Kalman filter with adaptive fuzzy kernel size. Information Sciences, 2021, 572, 424-443.	6.9	61
706	An evolving neuro-fuzzy system based on uni-nullneurons with advanced interpretability capabilities. Neurocomputing, 2021, 451, 231-251.	5.9	20
707	Jointly evolving and compressing fuzzy system for feature reduction and classification. Information Sciences, 2021, 579, 218-230.	6.9	11
708	A self-adaptive fuzzy learning system for streaming data prediction. Information Sciences, 2021, 579, 623-647.	6.9	20
709	A novel rule-based evolving Fuzzy System applied to the thermal modeling of power transformers. Applied Soft Computing Journal, 2021, 112, 107764.	7.2	16

#	Article	IF	CITATIONS
710	An evolving concept in the identification of an interval fuzzy model of Wiener-Hammerstein nonlinear dynamic systems. Information Sciences, 2021, 581, 73-87.	6.9	12
711	Functional Fuzzy System: A Nonlinear Regression Model and Its Learning Algorithm for Function-on-Function Regression. IEEE Transactions on Fuzzy Systems, 2022, 30, 956-967.	9.8	4
712	An Adaptive Evolving Fuzzy Technique for Prognosis of Dynamic Systems. IEEE Transactions on Fuzzy Systems, 2022, 30, 841-849.	9.8	1
713	Interval Approach for Evolving Granular System Modeling. , 2012, , 271-300.		22
714	Clustering I: Basic Clustering Models andÂAlgorithms. , 2014, , 215-258.		5
715	Incremental Structure-Evolving Intelligent Systems with Advanced Interpretational Properties. Lecture Notes in Computer Science, 2020, , 134-151.	1.3	3
716	An Incremental Classifier from Data Streams. Lecture Notes in Computer Science, 2014, , 15-28.	1.3	4
717	Evolving Fuzzy Classifier for Novelty Detection and Landmark Recognition by Mobile Robots. Studies in Computational Intelligence, 2007, , 89-118.	0.9	8
718	Evolving Fuzzy Modeling of an Uncalibrated Visual Servoing System. Lecture Notes in Computer Science, 2008, , 1041-1050.	1.3	1
719	A Behavior Based Control and Learning Approach to Real Robots. Studies in Computational Intelligence, 2009, , 171-186.	0.9	1
720	A Fast Recursive Approach to Autonomous Detection, Identification and Tracking of Multiple Objects in Video Streams under Uncertainties. Communications in Computer and Information Science, 2010, , 30-43.	0.5	5
721	Evolving Linguistic Fuzzy Models from Data Streams. Studies in Fuzziness and Soft Computing, 2012, , 209-223.	0.8	4
722	Evolving Intelligent Systems: Methods, Algorithms and Applications. Smart Innovation, Systems and Technologies, 2013, , 117-159.	0.6	11
723	An Attempt to Employ Genetic Fuzzy Systems to Predict from a Data Stream of Premises Transactions. Lecture Notes in Computer Science, 2012, , 127-140.	1.3	8
724	System Modeling and Forecasting with Evolving Fuzzy Algorithms. Studies in Fuzziness and Soft Computing, 2013, , 255-268.	0.8	1
725	Incremental Learning for Interactive Sketch Recognition. Lecture Notes in Computer Science, 2013, , $108-118$ .	1.3	2
727	Preliminary Assessment of Noise Pollution Prevention in Wind Turbines Based on an Exergy Approach. European Journal of Sustainable Development Research, 2017, 1, .	0.9	4
728	Suboptimal Recursive Methodology for Takagi-Sugeno Fuzzy Models Identification. Atlantis Computational Intelligence Systems, 2014, , 25-47.	0.5	3

#	Article	IF	Citations
729	All-Pairs Evolving Fuzzy Classifiers for On-line Multi-Class Classification Problems. , 2011, , .		4
730	Adaptive Fuzzy C-Regression Modeling for Time Series Forecasting. , 0, , .		4
731	An Online Multi-model Identification Algorithm Based on Subtractive Clustering. Zidonghua Xuebao/Acta Automatica Sinica, 2009, 35, 220-224.	0.3	11
732	Functional Enrichment of Utopian Distribution of Plant Life-Forms. American Journal of Plant Sciences, 2013, 04, 37-48.	0.8	6
733	Evolving fuzzy systems. Scholarpedia Journal, 2008, 3, 6274.	0.3	9
734	Artificial intelligence approaches to predict growth, harvest day, and quality of lettuce (Lactuca) Tj ETQq1 1 0.78	4314 rgBT	/Qyerlock 1
735	Online Evolving TSK fuzzy identification. Journal of Korean Institute of Intelligent Systems, 2005, 15, 204-210.	0.1	0
736	Evolving Fuzzy Systems Based on the eTS Learning Algorithm for the Valuation of Residential Premises. Lecture Notes in Computer Science, 2009, , 594-601.	1.3	0
738	Combining Multidimensional Scaling and Computational Intelligence for Industrial Monitoring. Lecture Notes in Computer Science, 2009, , 232-246.	1.3	0
739	Data-Driven and Knowledge-Based Modeling. , 2010, , 237-279.		0
740	Online Self-reorganizing Neuro-fuzzy Reasoning in Interval-Forecasting for Financial Time-Series. Lecture Notes in Computer Science, 2010, , 523-534.	1.3	0
742	Modeling Time Series by Means of Fuzzy Inference Systems. Studies in Computational Intelligence, 2011, , 53-85.	0.9	2
743	Time Domain System Identification for Small-Scale Unmanned Helicopters Using Fuzzy Models. Intelligent Systems, Control and Automation: Science and Engineering, 2011, , 153-159.	0.5	0
745	Sequential Adaptive Fuzzy Inference System for Function Approximation Problems. , 2012, , 247-270.		1
746	Evolving Fuzzy Modeling for Stock Market Forecasting. Communications in Computer and Information Science, 2012, , 20-29.	0.5	1
747	Navigating Interpretability Issues in Evolving Fuzzy Systems. Lecture Notes in Computer Science, 2012, , 141-153.	1.3	0
751	A PLC-Based System for Advanced Control. Advances in Industrial Control, 2013, , 327-361.	0.5	0
752	Forecasting Exchange Rates with Fuzzy Granular Evolving Modeling for Trading Strategies. , 2013, , .		0

#	Article	IF	CITATIONS
754	SCOLS-FuM: A Hybrid Fuzzy Modeling Method for Telecommunications Time-Series Forecasting. Informatica, 2014, 25, 221-239.	2.7	0
755	A Practical Application of Evolving Fuzzy-Rule-Based Classifiers for the Development of Spoken Dialog Systems. Lecture Notes in Computer Science, 2014, , 307-316.	1.3	0
756	Power Control Design for Variable-Speed Wind Turbines. , 2014, , 249-272.		0
757	Application of Evolving Fuzzy Systems to Construct Real Estate Prediction Models. Lecture Notes in Computer Science, 2015, , 606-616.	1.3	0
758	On a Question of the Information Technology Construction Based on Self-learning Medicine Intelligent System. , 2016, , .		2
759	Prediction of the Attention Area in Ambient Intelligence Tasks. Studies in Computational Intelligence, 2016, , 33-56.	0.9	1
760	Evolving Possibilistic Fuzzy Modeling andÂApplication in Value-at-Risk Estimation. Studies in Fuzziness and Soft Computing, 2017, , 119-139.	0.8	0
762	Clustering I: Basic Clustering Models and Algorithms. , 2019, , 231-274.		0
763	Adaptive T–S Fuzzy Control Using Output Feedback: SISO Cases. Communications and Control Engineering, 2019, , 163-195.	1.6	0
764	Detection of driver maneuvers using evolving fuzzy cloud-based system. , 2020, , .		3
765	Real Time Analysis of Telephone Conversation to Detect and Prevent Attacks in Nigeria. , 2019, , .		0
766	The Extreme Value Evolving Predictor. IEEE Transactions on Fuzzy Systems, 2022, 30, 663-675.	9.8	2
767	Faster Self-Organizing Fuzzy Neural Network Training and Improved Autonomy with Time-Delayed Synapses for Locally Recurrent Learning., 0,, 156-183.		2
769	Decision Support Systems: Improving Levels of Care and Lowering Costs in Anticoagulation Therapy. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2008, , 175-178.	0.3	1
770	Evolving Systems. Studies in Fuzziness and Soft Computing, 2021, , 169-178.	0.8	0
771	An explainable semi-supervised self-organizing fuzzy inference system for streaming data classification. Information Sciences, 2022, 583, 364-385.	6.9	11
772	Prognostics and Health Management of Renewable Energy Systems: State of the Art Review, Challenges, and Trends. Electronics (Switzerland), 2021, 10, 2732.	3.1	11
773	Intelligent Paradigms for Diagnosis, Prediction and Control in Healthcare Applications. Intelligent Systems Reference Library, 2022, , 3-41.	1.2	0

#	Article	IF	CITATIONS
774	An Online Evolving Method For a <i>Safe</i> and <i>Fast</i> Automated Vehicle Control System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5723-5735.	9.3	3
775	Excitation Signal Design for Generating Optimal Training Data for Complex Dynamic Systems. IEEE Access, 2022, 10, 8653-8663.	4.2	0
776	Fuzzy Logic System-Based Sliding-Mode Control for Three-Level NPC Converters. IEEE Transactions on Transportation Electrification, 2022, 8, 3307-3319.	7.8	8
777	Renewable Energy Systems Prognostics and Health Management: A Review of Recent Advances. , 2021, , .		1
778	Learning eventâ€triggered control based on evolving dataâ€driven fuzzy granular models. International Journal of Robust and Nonlinear Control, 2022, 32, 2805-2827.	3.7	8
779	IT2CFNN: An interval type-2 correlation-aware fuzzy neural network to construct non-separable fuzzy rules with uncertain and adaptive shapes for nonlinear function approximation. Applied Soft Computing Journal, 2022, 115, 108258.	7.2	7
780	Power Transformers Thermal Modeling Based on the Modified Set-Membership Evolving Multivariable Gaussian and Variable Step-Size Evolving Multivariable Gaussian. Journal of Control, Automation and Electrical Systems, 0, , 1.	2.0	0
781	Modelling via Convex Structures. Studies in Systems, Decision and Control, 2022, , 23-96.	1.0	O
782	Evolving fuzzy predictor with multivariable Gaussian participatory learning and multi-innovations recursive weighted least squares: eFMI. Evolving Systems, 2022, 13, 667-686.	3.9	2
783	Evolving hyperbox fuzzy modeling. Evolving Systems, 2022, 13, 423-434.	3.9	1
784	Adaptive nonparametric evolving fuzzy controller for uncertain nonlinear systems with dead zone. Evolving Systems, 0, , 1.	3.9	0
785	Robust Control Design with Optimization for Uncertain Mechanical Systems: Fuzzy Set Theory and Cooperative Game Theory. International Journal of Control, Automation and Systems, 2022, 20, 1377-1392.	2.7	6
786	Evolving multi-label fuzzy classifier. Information Sciences, 2022, 597, 1-23.	6.9	9
787	Planning of airport pavement with artificial intelligence methods. Journal of Innovative Transportation, 0, , .	0.6	0
788	Cryptocurrency Price Prediction by Using Hybrid Machine Learning and Beetle Antennae Search Approach., 2021,,.		7
790	Significance of activation functions in developing an online classifier for semiconductor defect detection. Knowledge-Based Systems, 2022, 248, 108818.	7.1	5
792	A Novel Neural Fuzzy Network Using a Hybrid Evolutionary Learning Algorithm., 0,, 250-273.		0
793	Multilayer extreme learning machines and their modeling performance on dynamical systems. Applied Soft Computing Journal, 2022, 122, 108861.	7.2	8

#	Article	IF	CITATIONS
794	Self-Organizing Fuzzy Belief Inference System for Classification. IEEE Transactions on Fuzzy Systems, 2022, 30, 5473-5483.	9.8	4
795	Adaptive TS fuzzy MPC based on Particle Swarm Optimization-Cuckoo Search algorithm. ISA Transactions, 2022, 131, 598-609.	5.7	5
796	Evolving Gaussian on-line clustering in social network analysis. Expert Systems With Applications, 2022, 207, 117881.	7.6	3
797	Evolving Fuzzy logic Systems for creative personalized Socially Assistive Robots. Engineering Applications of Artificial Intelligence, 2022, 114, 105064.	8.1	9
798	Recursive least mean dual p-power solution to the generalization of evolving fuzzy system under multiple noises. Information Sciences, 2022, 609, 228-247.	6.9	4
799	A fast clustering algorithm for evolving fuzzy classifier based on samples mean. Journal of Intelligent and Fuzzy Systems, 2022, , 1-12.	1.4	0
800	Evolving multi-label fuzzy classifier with advanced robustness respecting human uncertainty. Knowledge-Based Systems, 2022, , 109717.	7.1	0
801	MFRFNN: Multi-Functional Recurrent Fuzzy Neural Network for Chaotic Time Series Prediction. Neurocomputing, 2022, 507, 292-310.	5.9	36
802	Evolving Error Feedback Fuzzy Model for Improved Robustness Under Measurement Noise. IEEE Transactions on Fuzzy Systems, 2023, 31, 997-1008.	9.8	13
803	Online Convex Optimization of a Multi-task Fuzzy Rule-based Evolving System. , 2022, , .		0
804	Mechanism-data-based hybrid modeling for denitrification in urban wastewater treatment. , 2022, , .		0
805	An Outlier-Robust Growing Local Model Network for Recursive System Identification. Neural Processing Letters, 0, , .	3.2	0
806	A survey on machine learning for recurring concept drifting data streams. Expert Systems With Applications, 2023, 213, 118934.	7.6	17
807	Multi-Objective Evolutionary Optimisation for Prototype-Based Fuzzy Classifiers. IEEE Transactions on Fuzzy Systems, 2022, , 1-13.	9.8	3
808	Fuzzy Logic-Based Inference System for Structural Health Monitoring of a Cantilever Beam. Lecture Notes in Civil Engineering, 2023, , 821-834.	0.4	0
809	Distending Function-based Data-Driven Type2 Fuzzy Inference System. Lecture Notes in Networks and Systems, 2023, , 719-730.	0.7	0
810	MPC using an on-line TS fuzzy learning approach with application to autonomous driving. Applied Soft Computing Journal, 2022, 130, 109698.	7.2	3
811	Evolving Neuro-Fuzzy Systems-Based Design of Experiments in Process Identification. IEEE Transactions on Fuzzy Systems, 2023, 31, 1995-2005.	9.8	4

#	Article	IF	CITATIONS
812	Data-Driven Interval Type-2 Fuzzy Inference System Based on the Interval Type-2 Distending Function. IEEE Transactions on Fuzzy Systems, 2023, 31, 2345-2359.	9.8	3
813	PASE: An autonomous sequential framework for the state estimation of dynamical systems. Expert Systems With Applications, 2023, 215, 119414.	7.6	2
814	Evolving Fuzzy and Tensor Product-based Models for Tower Crane Systems. , 2022, , .		0
816	Autonomous learning for fuzzy systems: a review. Artificial Intelligence Review, 2023, 56, 7549-7595.	15.7	6
817	Self-adaptive fuzzy learning ensemble systems with dimensionality compression from data streams. Information Sciences, 2023, 634, 382-399.	6.9	2
818	Evolving Fuzzy Systems., 2009,, 725-741.		1
819	Multilayer Evolving Fuzzy Neural Networks. IEEE Transactions on Fuzzy Systems, 2023, 31, 4158-4169.	9.8	1
820	A Method for Predicting the Visual Attention Area in Real-Time Using Evolving Neuro-Fuzzy Models. Electronics (Switzerland), 2023, 12, 2243.	3.1	0
821	Kernel general loss algorithm based on evolving participatory learning for online time series prediction. Engineering Applications of Artificial Intelligence, 2023, 124, 106600.	8.1	0
822	An Adaptive Soft Sensor Method based on Online Deep Evolving Fuzzy System for Industrial Process Data Streams. , 2023, , .		1
823	Fuzzy Model Parameter and Structure Optimization Using Analytic, Numerical and Heuristic Approaches. Symmetry, 2023, 15, 1417.	2.2	0
824	Filter-based Online Neuro-Fuzzy Model Learning using Noisy Measurements. , 2023, , .		0
825	Hesitant hierarchical T–S fuzzy system with fuzzily weighted recursive least square. Engineering Applications of Artificial Intelligence, 2023, 126, 106812.	8.1	1
826	Temporal Prediction Models forÂTechnological Processes Based onÂPredictive Analytics. Lecture Notes in Networks and Systems, 2023, , 179-194.	0.7	0
827	Monitoring Effluent Water Quality in Wastewater Treatment Process Based on Multi-model Online Soft Sensing Method., 2023,,.		0
828	Gaussian Process to Takagi-Sugeno Fuzzy Model Using Supervised Clustering. , 2023, , .		0
829	Data-driven prediction of possible quality deterioration in injection molding processes. Applied Soft Computing Journal, 2024, 150, 111029.	7.2	0
830	Generalized nonlinear sector approaches for Takagi-Sugeno models. Fuzzy Sets and Systems, 2024, 476, 108791.	2.7	0

#	Article	IF	Citations
831	Identification of Nonlinear Systems via LPV Model Identification Around a Time-Varying Trajectory. IFAC-PapersOnLine, 2023, 56, 5140-5145.	0.9	0
832	Autonomous Learning of Fuzzy Recurrent Neural Networks for Human Activity Recognition., 2023,,.		0
833	Explainable reinforcement learning (XRL): a systematic literature review and taxonomy. Machine Learning, $0$ , , .	5.4	0
834	A New Exact Inversion Approach for Takagi-Sugeno Fuzzy Systems Representing SISO Nonlinear Systems. , 2023, , .		0
835	Evolving Cauchy Possibilistic Clustering for Data Stream Modeling and Classification., 2023,,.		0
836	A dynamic similarity weighted evolving fuzzy system for concept drift of data streams. Information Sciences, 2024, 659, 120062.	6.9	0
837	Analysis of Educational Website Display in Indonesia and Japan. , 2023, , .		0
838	A Modified Learning Method for First-order Takagi-Sugeno Fuzzy System: Gradient-based Neuro-fuzzy Algorithm Employing Smoothing Group Lasso Regularization. , 2023, , .		0
839	Online neuro-fuzzy model learning of dynamic systems with measurement noise. Nonlinear Dynamics, 2024, 112, 5525-5540.	5.2	0
840	UNFIS: A Novel Neuro-Fuzzy Inference System with Unstructured fuzzy rules. Neurocomputing, 2024, 579, 127437.	5.9	0
841	A data-driven implicit deep adaptive neuro-fuzzy inference system capable of manifold learning for function approximation. Applied Soft Computing Journal, 2024, 155, 111458.	7.2	0
842	Survival risk prediction of gastric cardia cancer-based on a dynamic modular neural network. Systems Science and Control Engineering, 2024, 12, .	3.1	0
844	A new Takagi–Sugeno–Kang model for time series forecasting. Engineering Applications of Artificial Intelligence, 2024, 133, 108155.	8.1	0