Plamen Parvanov Angelov

List of Publications by Year
in descending order

224	8,035	76196	71532
papers	citations	40 h-index	76 g-index

249	249	249	4167
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Delve Into Neural Activations: Toward Understanding Dying Neurons. IEEE Transactions on Artificial Intelligence, 2023, 4, 959-971.	3.4	1
2	Statistically Evolving Fuzzy Inference System for Non-Gaussian Noises. IEEE Transactions on Fuzzy Systems, 2022, 30, 2649-2664.	6.5	11
3	A Self-Training Hierarchical Prototype-based Ensemble Framework for Remote Sensing Scene Classification. Information Fusion, 2022, 80, 179-204.	11.7	16
4	Multiclass Fuzzily Weighted Adaptive-Boosting-Based Self-Organizing Fuzzy Inference Ensemble Systems for Classification. IEEE Transactions on Fuzzy Systems, 2022, 30, 3722-3735.	6.5	12
5	Ensemble-Based Bounding Box Regression for Enhanced Knuckle Localization. Sensors, 2022, 22, 1569.	2.1	1
6	Editorial: Special issue on recent progress in autonomous machine learning. Information Sciences, 2022, 595, 195-196.	4.0	0
7	Particle Swarm Optimized Autonomous Learning Fuzzy System. IEEE Transactions on Cybernetics, 2021, 51, 5352-5363.	6.2	21
8	Self-Evolving Data Cloud-Based PID-Like Controller for Nonlinear Uncertain Systems. IEEE Transactions on Industrial Electronics, 2021, 68, 4508-4518.	5.2	4
9	Explaining Deep Learning Models Through Rule-Based Approximation and Visualization. IEEE Transactions on Fuzzy Systems, 2021, 29, 2399-2407.	6.5	16
10	A Semi-Supervised Deep Rule-Based Approach for Complex Satellite Sensor Image Analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	9.7	3
11	Keynote: Explainable-by-design Deep Learning. , 2021, , .		0
12	Self-organizing fuzzy inference ensemble system for big streaming data classification. Knowledge-Based Systems, 2021, 218, 106870.	4.0	22
13	Detecting and learning from unknown by extremely weak supervision: exploratory classifier (xClass). Neural Computing and Applications, 2021, 33, 15145.	3.2	1
14	Explainable artificial intelligence: an analytical review. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2021, 11, e1424.	4.6	198
15	Harnessing the Power of Smart and Connected Health to Tackle COVID-19: IoT, AI, Robotics, and Blockchain for a Better World. IEEE Internet of Things Journal, 2021, 8, 12826-12846.	5.5	63
16	Automatic Extraction and Labelling of Memorial Objects From 3D Point Clouds. Journal of Computer Applications in Archaeology, 2021, 4, 79-93.	0.8	5
17	Stochastic Computing co-processing elements for Evolving Autonomous Data Partitioning. , 2021, , .		1
18	An evolving approach to data streams clustering based on typicality and eccentricity data analytics. Information Sciences, 2020, 518, 13-28.	4.0	40

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19	A Novel Self-Organizing PID Approach for Controlling Mobile Robot Locomotion. , 2020, , .		1
20	Towards explainable deep neural networks (xDNN). Neural Networks, 2020, 130, 185-194.	3.3	149
21	Human action recognition using deep rule-based classifier. Multimedia Tools and Applications, 2020, 79, 30653-30667.	2.6	9
22	Deep Learning-Based Automated Forest Health Diagnosis From Aerial Images. IEEE Access, 2020, 8, 144064-144076.	2.6	44
23	Autonomous Learning Multiple-Model zero-order classifier for heart sound classification. Applied Soft Computing Journal, 2020, 94, 106449.	4.1	21
24	Highly interpretable hierarchical deep rule-based classifier. Applied Soft Computing Journal, 2020, 92, 106310.	4.1	9
25	A selfâ€adaptive synthetic overâ€sampling technique for imbalanced classification. International Journal of Intelligent Systems, 2020, 35, 923-943.	3.3	38
26	Interpretable policies for reinforcement learning by empirical fuzzy sets. Engineering Applications of Artificial Intelligence, 2020, 91, 103559.	4.3	10
27	A Semi-supervised Deep Rule-Based Approach for Remote Sensing Scene Classification. Proceedings of the International Neural Networks Society, 2020, , 257-266.	0.6	2
28	Concept Drift Detection Using Autoencoders in Data Streams Processing. Lecture Notes in Computer Science, 2020, , 124-133.	1.0	10
29	Towards Deep Machine Reasoning: a Prototype-based Deep Neural Network with Decision Tree Inference. , 2020, , .		9
30	Local optimality of self-organising neuro-fuzzy inference systems. Information Sciences, 2019, 503, 351-380.	4.0	21
31	A distance-type-insensitive clustering approach. Applied Soft Computing Journal, 2019, 77, 622-634.	4.1	7
32	Scalable Database Indexing and Fast Image Retrieval Based on Deep Learning and Hierarchically Nested Structure Applied to Remote Sensing and Plant Biology. Journal of Imaging, 2019, 5, 33.	1.7	18
33	Deep Rule-Based Aerial Scene Classifier using High-Level Ensemble Feature Descriptor. , 2019, , .		3
34	Explainable Density-Based Approach for Self-Driving Actions Classification. , 2019, , .		7
35	Self-Organising and Self-Learning Model for Soybean Yield Prediction. , 2019, , .		5
36	Actively Semi-Supervised Deep Rule-based Classifier Applied to Adverse Driving Scenarios. , 2019, , .		6

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37	Self-boosting first-order autonomous learning neuro-fuzzy systems. Applied Soft Computing Journal, 2019, 77, 118-134.	4.1	16
38	Brief Introduction to Statistical Machine Learning. Studies in Computational Intelligence, 2019, , 17-67.	0.7	2
39	Brief Introduction to Computational Intelligence. Studies in Computational Intelligence, 2019, , 69-99.	0.7	0
40	Anomaly Detectionâ€"Empirical Approach. Studies in Computational Intelligence, 2019, , 157-173.	0.7	1
41	Applications of Autonomous Data Partitioning. Studies in Computational Intelligence, 2019, , 261-276.	0.7	1
42	Applications of Autonomous Learning Multi-model Systems. Studies in Computational Intelligence, 2019, , 277-293.	0.7	0
43	Applications of Deep Rule-Based Classifiers. Studies in Computational Intelligence, 2019, , 295-319.	0.7	0
44	Applications of Semi-supervised Deep Rule-Based Classifiers. Studies in Computational Intelligence, 2019, , 321-340.	0.7	0
45	Data Partitioningâ€"Empirical Approach. Studies in Computational Intelligence, 2019, , 175-198.	0.7	1
46	Autonomous Learning Multi-model Systems. Studies in Computational Intelligence, 2019, , 199-222.	0.7	0
47	Transparent Deep Rule-Based Classifiers. Studies in Computational Intelligence, 2019, , 223-245.	0.7	0
48	Empirical Approach to Machine Learning. Studies in Computational Intelligence, 2019, , .	0.7	36
49	Self-organising fuzzy logic classifier. Information Sciences, 2018, 447, 36-51.	4.0	62
50	A Massively Parallel Deep Rule-Based Ensemble Classifier for Remote Sensing Scenes. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 345-349.	1.4	45
51	Autonomous Learning Multimodel Systems From Data Streams. IEEE Transactions on Fuzzy Systems, 2018, 26, 2213-2224.	6.5	59
52	Stability of Evolving Fuzzy Systems Based on Data Clouds. IEEE Transactions on Fuzzy Systems, 2018, 26, 2774-2784.	6.5	23
53	Parsimonious random vector functional link network for data streams. Information Sciences, 2018, 430-431, 519-537.	4.0	39
54	Anomalous behaviour detection based on heterogeneous data and data fusion. Soft Computing, 2018, 22, 3187-3201.	2.1	20

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55	Semi-supervised deep rule-based approach for image classification. Applied Soft Computing Journal, 2018, 68, 53-68.	4.1	41
56	Correntropy-Based Evolving Fuzzy Neural System. IEEE Transactions on Fuzzy Systems, 2018, 26, 1324-1338.	6.5	51
57	A Generalized Methodology for Data Analysis. IEEE Transactions on Cybernetics, 2018, 48, 2981-2993.	6.2	44
58	Self-Organised direction aware data partitioning algorithm. Information Sciences, 2018, 423, 80-95.	4.0	25
59	Empirical Fuzzy Sets. International Journal of Intelligent Systems, 2018, 33, 362-395.	3.3	14
60	A Deep Rule-Based Approach for Satellite Scene Image Analysis. , 2018, , .		3
61	Towards Evolving Cooperative Mapping for Large-Scale UAV Teams. , 2018, , .		2
62	Foreign currency exchange rate prediction using neuro-fuzzy systems. Procedia Computer Science, 2018, 144, 232-238.	1.2	15
63	Automatic Detection of Computer Network Traffic Anomalies based on Eccentricity Analysis. , 2018, , .		7
64	Toward Anthropomorphic Machine Learning. Computer, 2018, 51, 18-27.	1.2	24
65	Towards Large Scale Ad-hoc Teamwork. , 2018, , .		3
66	A method for autonomous data partitioning. Information Sciences, 2018, 460-461, 65-82.	4.0	38
67	Deep rule-based classifier with human-level performance and characteristics. Information Sciences, 2018, 463-464, 196-213.	4.0	51
68	AURORA: autonomous real-time on-board video analytics. Neural Computing and Applications, 2017, 28, 855-865.	3.2	18
69	Cybernetics of the Mind: Learning Individual's Perceptions Autonomously. IEEE Systems, Man, and Cybernetics Magazine, 2017, 3, 6-17.	1.2	8
70	Empirical Data Analytics. International Journal of Intelligent Systems, 2017, 32, 1261-1284.	3.3	69
71	Fully online clustering of evolving data streams into arbitrarily shaped clusters. Information Sciences, 2017, 382-383, 96-114.	4.0	110
72	Gender and Age Classification of Human Faces for Automatic Detection of Anomalous Human Behaviour. , 2017, , .		21

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73	MICE: Multi-Layer Multi-Model Images Classifier Ensemble. , 2017, , .		17
74	A new type of distance metric and its use for clustering. Evolving Systems, 2017, 8, 167-177.	2.4	22
75	Autonomous anomaly detection. , 2017, , .		9
76	Autonomous learning multi-model classifier of 0-Order (ALMMo-0). , 2017, , .		22
77	Robust Evolving Cloud-based Controller (RECCo). , 2017, , .		3
78	Fast feedforward non-parametric deep learning network with automatic feature extraction. , 2017, , .		2
79	A randomized neural network for data streams. , 2017, , .		5
80	Human action recognition using transfer learning with deep representations. , 2017, , .		91
81	Parallel Computing TEDA for High Frequency Streaming Data Clustering. Advances in Intelligent Systems and Computing, 2017, , 238-253.	0.5	5
82	Detecting Anomalous Behaviour Using Heterogeneous Data. Advances in Intelligent Systems and Computing, 2017, , 253-273.	0.5	2
83	Vision Based Human Activity Recognition: A Review. Advances in Intelligent Systems and Computing, 2017, , 341-371.	0.5	59
84	Look-a-Like: A Fast Content-Based Image Retrieval Approach Using a Hierarchically Nested Dynamically Evolving Image Clouds and Recursive Local Data Density. International Journal of Intelligent Systems, 2017, 32, 82-103.	3.3	10
85	A cascade of deep learning fuzzy rule-based image classifier and SVM. , 2017, , .		10
86	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.	1.3	11
87	A Comprehensive Review on Handcrafted and Learning-Based Action Representation Approaches for Human Activity Recognition. Applied Sciences (Switzerland), 2017, 7, 110.	1.3	111
88	Human Action Recognition from Multiple Views Based on View-Invariant Feature Descriptor Using Support Vector Machines. Applied Sciences (Switzerland), 2016, 6, 309.	1.3	24
89	An evolving approach to unsupervised and Real-Time fault detection in industrial processes. Expert Systems With Applications, 2016, 63, 134-144.	4.4	72
90	Online evolving fuzzy rule-based prediction model for high frequency trading financial data stream. , 2016, , .		9

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91	A practical implementation of Robust Evolving Cloud-based Controller with normalized data space for heat-exchanger plant. Applied Soft Computing Journal, 2016, 48, 29-38.	4.1	41
92	Local modes-based free-shape data partitioning. , 2016, , .		1
93	Empirical data analysis: A new tool for data analytics. , 2016, , .		29
94	Autonomous data-driven clustering for live data stream. , 2016, , .		6
95	A new evolving clustering algorithm for online data streams. , 2016, , .		17
96	Unsupervised classification of data streams based on Typicality and Eccentricity Data Analytics. , 2016, , .		10
97	Autonomous Data Density based clustering method. , 2016, , .		7
98	A general purpose intelligent surveillance system for mobile devices using Deep Learning. , 2016, , .		6
99	Autonomously evolving classifier TEDAClass. Information Sciences, 2016, 366, 1-11.	4.0	37
100	ARTOD: Autonomous Real Time Objects Detection by a Moving Camera Using Recursive Density Estimation. Studies in Computational Intelligence, 2016, , 123-138.	0.7	1
101	Prediction of the Attention Area in Ambient Intelligence Tasks. Studies in Computational Intelligence, 2016, , 33-56.	0.7	1
102	Edge Flow. , 2015, , .		0
103	Comparison of Approaches for Identification of All-data Cloud-based Evolving Systems. IFAC-PapersOnLine, 2015, 48, 129-134.	0.5	10
104	A comparative study of autonomous learning outlier detection methods applied to fault detection. , 2015, , .		7
105	Analysis of adaptation law of the robust evolving cloud-based controller. , 2015, , .		12
106	A Nested Hierarchy of Dynamically Evolving Clouds for Big Data Structuring and Searching. Procedia Computer Science, 2015, 53, 1-8.	1.2	4
107	Typicality distribution function — A new density-based data analytics tool. , 2015, , .		13
108	Online fault detection based on Typicality and Eccentricity Data Analytics. , 2015, , .		12

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109	Robust Evolving Cloud-based Controller in normalized data space for heat-exchanger plant. , 2015, , .		12
110	A Robust Evolving Cloud-Based Controller. , 2015, , 1435-1449.		8
111	An overview on fault diagnosis and nature-inspired optimal control of industrial process applications. Computers in Industry, 2015, 74, 75-94.	5.7	136
112	Evolving Classifier TEDAClass for Big Data. Procedia Computer Science, 2015, 53, 9-18.	1.2	15
113	Evolving clustering, classification and regression with TEDA. , 2015, , .		7
114	A new online clustering approach for data in arbitrary shaped clusters. , 2015, , .		12
115	Fully unsupervised fault detection and identification based on recursive density estimation and self-evolving cloud-based classifier. Neurocomputing, 2015, 150, 289-303.	3.5	104
116	Recursive SVM Based on TEDA. Lecture Notes in Computer Science, 2015, , 156-168.	1.0	4
117	RDE with Forgetting: An Approximate Solution for Large Values of $$k$$ with an Application to Fault Detection Problems. Lecture Notes in Computer Science, 2015, , 169-178.	1.0	0
118	Incremental Anomaly Identification in Flight Data Analysis by Adapted One-Class SVM Method. Springer Series in Bio-/neuroinformatics, 2015, , 373-391.	0.1	0
119	ATDT: Autonomous Template-Based Detection and Tracking of Objects from Airborne Camera. Advances in Intelligent Systems and Computing, 2015, , 555-565.	0.5	2
120	A new unsupervised approach to fault detection and identification. , 2014, , .		10
121	DEC: Dynamically Evolving Clustering and Its Application to Structure Identification of Evolving Fuzzy Models. IEEE Transactions on Cybernetics, 2014, 44, 1619-1631.	6.2	61
122	Dynamically evolving fuzzy classifier for real-time classification of data streams. , 2014, , .		7
123	Real-time novelty detection in video using background subtraction techniques: State of the art a practical review. , 2014, , .		6
124	A real-time approach for autonomous detection and tracking of moving objects from UAV. , 2014, , .		10
125	SARIVA: Smartphone APP for Real-time Intelligent Video Analytics. Journal of Automation, Mobile Robotics and Intelligent Systems, 2014, 8, 15-19.	0.4	2
126	Anomaly detection based on eccentricity analysis. , 2014, , .		63

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127	RTSDE: Recursive total-sum-distances-based density estimation approach and its application for autonomous real-time video analytics. , 2014, , .		2
128	A fully autonomous Data Density based Clustering technique. , 2014, , .		9
129	Robust evolving cloud-based PID control adjusted by gradient learning method. , 2014, , .		18
130	Measuring similarity and improving stability in biomarker identification methods applied to Fourierâ€transform infrared (FTIR) spectroscopy. Journal of Biophotonics, 2014, 7, 254-265.	1.1	24
131	Data density based clustering. , 2014, , .		13
132	Symbol recognition with a new autonomously evolving classifier autoclass. , 2014, , .		7
133	Dynamically evolving clustering for data streams. , 2014, , .		7
134	Real-Time Fault Detection Using Recursive Density Estimation. Journal of Control, Automation and Electrical Systems, 2014, 25, 428-437.	1.2	42
135	PANFIS: A Novel Incremental Learning Machine. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 55-68.	7.2	232
136	Outside the box: an alternative data analytics framework. Journal of Automation, Mobile Robotics and Intelligent Systems, 2014, 8, 29-35.	0.4	44
137	Towards generic human activity recognition for ubiquitous applications. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 155-156.	3.3	3
138	An evolving machine learning method for human activity recognition systems. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 195-206.	3.3	16
139	ARFA: Automated real-time flight data analysis using evolving clustering, classifiers and recursive density estimation. , 2013, , .		9
140	Vehicle Plate Recognition Using Improved Neocognitron Neural Network. Lecture Notes in Computer Science, 2013, , 628-640.	1.0	2
141	A practical implementation of self-evolving cloud-based control of a pilot plant. , 2013, , .		31
142	Incremental anomaly identification by adapted SVM method. , 2013, , .		1
143	IRootLab: a free and open-source MATLAB toolbox for vibrational biospectroscopy data analysis. Bioinformatics, 2013, 29, 1095-1097.	1.8	140
144	Robust evolving cloud-based controller for a hydraulic plant. , 2013, , .		35

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145	Online learning and prediction of data streams using dynamically evolving fuzzy approach. , 2013, , .		5
146	Towards an autonomous resilience strategy the implementation of a self evolving rate limiter. , 2013, , .		0
147	Analysis of evolving social network: methods and results from cell phone dataset case study. International Journal of Social Network Mining, 2013, 1, 254.	0.2	1
148	OSA: One-Class Recursive SVM Algorithm with Negative Samples for Fault Detection. Lecture Notes in Computer Science, 2013, , 194-207.	1.0	2
149	Evolving local means method for clustering of streaming data. , 2012, , .		18
150	Autonomous visual self-localization in completely unknown environment. , 2012, , .		2
151	A real-time approach for novelty detection and trajectories analysis for anomaly recognition in video surveillance systems. , 2012, , .		7
152	ARTOT: Autonomous real-time object detection and tracking by a moving camera. , 2012, , .		6
153	A new type of simplified fuzzy rule-based system. International Journal of General Systems, 2012, 41, 163-185.	1.2	154
154	Automatic mobile photographer and picture diary. , 2012, , .		2
155	Creating Evolving User Behavior Profiles Automatically. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 854-867.	4.0	99
156	Evolving social network analysis: A case study on mobile phone data. , 2012, , .		7
157	Extracting biological information with computational analysis of Fourier-transform infrared (FTIR) biospectroscopy datasets: current practices to future perspectives. Analyst, The, 2012, 137, 3202.	1.7	197
158	Self-evolving parameter-free Rule-based Controller. , 2012, , .		23
159	Evolving Fuzzy Systems. , 2012, , 1053-1065.		5
160	Evolving human activity classifier from sensor streams. , 2011, , .		0
161	Simplified fuzzy rule-based systems using non-parametric antecedents and relative data density. , 2011, , .		68
162	Uniformly Stable Backpropagation Algorithm to Train a Feedforward Neural Network. IEEE Transactions on Neural Networks, 2011, 22, 356-366.	4.8	79

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163	Online self-evolving fuzzy controller for autonomous mobile robots. , 2011, , .		15
164	Fuzzily Connected Multimodel Systems Evolving Autonomously From Data Streams. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 898-910.	5.5	80
165	Evolving fuzzy systems for data streams: a survey. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2011, 1, 461-476.	4.6	18
166	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.	3.3	60
167	Handling drifts and shifts in on-line data streams with evolving fuzzy systems. Applied Soft Computing Journal, 2011, 11, 2057-2068.	4.1	166
168	Simpl_eClass: Simplified potential-free evolving fuzzy rule-based classifiers. , 2011, , .		9
169	Automatic scene recognition for low-resource devices using evolving classifiers. , 2011, , .		3
170	Real time recognition of human activities from wearable sensors by evolving classifiers. , 2011, , .		12
171	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.	1.9	30
172	Evolving classification of agentsâ€™ behaviors: a general approach. Evolving Systems, 2010, 1, 161-171.	2.4	56
173	Real-time human activity recognition from wireless sensors using evolving fuzzy systems. , 2010, , .		20
174	A simple fuzzy rule-based system through vector membership and kernel-based granulation. , 2010, , .		14
175	HUMAN ACTIVITY RECOGNITION BASED ON EVOLVING FUZZY SYSTEMS. International Journal of Neural Systems, 2010, 20, 355-364.	3.2	60
176	User modeling: Through statistical analysis and an evolving classifier. , 2010, , .		1
177	Syrian hamster embryo (SHE) assay (pH 6.7) coupled with infrared spectroscopy and chemometrics towards toxicological assessment. Analyst, The, 2010, 135, 3266.	1.7	49
178	Forecasting time-series for NN GC1 using Evolving Takagi-Sugeno (eTS) Fuzzy Systems with on-line inputs selection. , 2010, , .		3
179	Adaptive Inferential Sensors Based on Evolving Fuzzy Models. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 529-539.	5.5	45
180	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.	0.4	5

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181	Modelling evolving user behaviours. , 2009, , .		10
182	Evolving Fuzzy Systems. , 2009, , 3242-3255.		5
183	Evolving fuzzy classifiers using different model architectures. Fuzzy Sets and Systems, 2008, 159, 3160-3182.	1.6	179
184	Data-driven evolving fuzzy systems using eTS and FLEXFIS: comparative analysis. International Journal of General Systems, 2008, 37, 45-67.	1.2	23
185	Autonomous novelty detection and object tracking in video streams using evolving clustering and Takagi-Sugeno type neuro-fuzzy system. , 2008, , .		38
186	Evolving Fuzzy-Rule-Based Classifiers From Data Streams. IEEE Transactions on Fuzzy Systems, 2008, 16, 1462-1475.	6.5	323
187	Guest Editorial Evolving Fuzzy Systemsâ€“Preface to the Special Section. IEEE Transactions on Fuzzy Systems, 2008, 16, 1390-1392.	6.5	25
188	On line learning fuzzy rule-based system structure from data streams. , 2008, , .		43
189	Evolving fuzzy inferential sensors for process industry. , 2008, , .		8
190	A fast approach to novelty detection in video streams using recursive density estimation. , 2008, , .		25
191	Evolutionary Synthesis of HVAC System Configurations: Algorithm Development (RP-1049). HVAC and R Research, 2008, 14, 33-55.	0.9	27
192	A Passive Approach to Autonomous Collision Detection and Avoidance. , 2008, , .		21
193	Intelligent interrogation of mid-IR spectroscopy data from exfoliative cervical cytology using self-learning classifier eClass. International Journal of Computational Intelligence Research, 2008, 4, .	0.3	6
194	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.	0.2	1
195	Evolving Fuzzy Rule-based Classifiers. , 2007, , .		43
196	Evolving Single- And Multi-Model Fuzzy Classifiers with FLEXFIS-Class. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	36
197	Soft sensor for predicting crude oil distillation side streams using evolving takagi-sugeno fuzzy models. , 2007, , .		21
198	Architectures for evolving fuzzy rule-based classifiers. , 2007, , .		15

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199	Autonomous Visual Self-localization in Completely Unknown Environment using Evolving Fuzzy Rule-based Classifier. , 2007, , .		43
200	Evolving Fuzzy Classifier for Novelty Detection and Landmark Recognition by Mobile Robots. Studies in Computational Intelligence, 2007, , 89-118.	0.7	8
201	An Approach to Real-time Color-based Object Tracking. , 2006, , .		15
202	Recovery of LSP Coefficient in VoIP Systems using Evolving Takagi-Sugeno Fuzzy Models. , 2006, , .		2
203	Evolving Fuzzy Systems from Data Streams in Real-Time. , 2006, , .		190
204	A Method for Predicting Quality of the Crude Oil Distillation. , 2006, , .		18
205	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	0
206	Fuzzy systems design: direct and indirect approaches. Soft Computing, 2006, 10, 836-849.	2.1	15
207	Evolving Extended Naive Bayes Classifiers. , 2006, , .		18
208	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
209	Flexible models with evolving structure. International Journal of Intelligent Systems, 2004, 19, 327-340.	3.3	30
210	An approach for fuzzy rule-base adaptation using on-line clustering. International Journal of Approximate Reasoning, 2004, 35, 275-289.	1.9	141
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214	An evolutionary approach to fuzzy rule-based model synthesis using indices for rules. Fuzzy Sets and Systems, 2003, 137, 325-338.	1.6	16
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219	Optimization in an intuitionistic fuzzy environment. Fuzzy Sets and Systems, 1997, 86, 299-306.	1.6	235
220	A generalized approach to fuzzy optimization. International Journal of Intelligent Systems, 1994, 9, 261-268.	3.3	35
221	Optimal control of biotechnological processes described by fuzzy sets. Journal of Process Control, 1993, 3, 147-152.	1.7	6
222	Fuzzy optimal control. Fuzzy Sets and Systems, 1992, 47, 151-156.	1.6	63
223	Using Evolving Fuzzy Models to Predict Crude Oil Distillation Side Streams. Applied Mechanics and Materials, 0, 88-89, 432-437.	0.2	1
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