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	An Approach to Online Identification of Takagi-Sugeno Fuzzy Models. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 484-498.	5.5	844
2	Evolving Fuzzy-Rule-Based Classifiers From Data Streams. IEEE Transactions on Fuzzy Systems, 2008, 16, 1462-1475.	6.5	323
3	Optimization in an intuitionistic fuzzy environment. Fuzzy Sets and Systems, 1997, 86, 299-306.	1.6	235
4	PANFIS: A Novel Incremental Learning Machine. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 55-68.	7.2	232
5	Explainable artificial intelligence: an analytical review. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2021, 11, e1424.	4.6	198
6	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
7	Evolving Fuzzy Systems from Data Streams in Real-Time. , 2006, , .		190
8	Evolving fuzzy classifiers using different model architectures. Fuzzy Sets and Systems, 2008, 159, 3160-3182.	1.6	179
9	Handling drifts and shifts in on-line data streams with evolving fuzzy systems. Applied Soft Computing Journal, 2011, 11, 2057-2068.	4.1	166
10	Evolving Rule-Based Models. Studies in Fuzziness and Soft Computing, 2002, , .	0.6	163
11	A new type of simplified fuzzy rule-based system. International Journal of General Systems, 2012, 41, 163-185.	1.2	154
12	Towards explainable deep neural networks (xDNN). Neural Networks, 2020, 130, 185-194.	3.3	149
13	An approach for fuzzy rule-base adaptation using on-line clustering. International Journal of Approximate Reasoning, 2004, 35, 275-289.	1.9	141
14	IRootLab: a free and open-source MATLAB toolbox for vibrational biospectroscopy data analysis. Bioinformatics, 2013, 29, 1095-1097.	1.8	140
15	An overview on fault diagnosis and nature-inspired optimal control of industrial process applications. Computers in Industry, 2015, 74, 75-94.	5.7	136
16	A Comprehensive Review on Handcrafted and Learning-Based Action Representation Approaches for Human Activity Recognition. Applied Sciences (Switzerland), 2017, 7, 110.	1.3	111
17	Fully online clustering of evolving data streams into arbitrarily shaped clusters. Information Sciences, 2017, 382-383, 96-114.	4.0	110
18	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

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19	Creating Evolving User Behavior Profiles Automatically. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 854-867.	4.0	99
20	Human action recognition using transfer learning with deep representations. , 2017, , .		91
21	A fuzzy controller with evolving structure. Information Sciences, 2004, 161, 21-35.	4.0	81
22	Fuzzily Connected Multimodel Systems Evolving Autonomously From Data Streams. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 898-910.	5.5	80
23	Uniformly Stable Backpropagation Algorithm to Train a Feedforward Neural Network. IEEE Transactions on Neural Networks, 2011, 22, 356-366.	4.8	79
24	An evolving approach to unsupervised and Real-Time fault detection in industrial processes. Expert Systems With Applications, 2016, 63, 134-144.	4.4	72
25	Empirical Data Analytics. International Journal of Intelligent Systems, 2017, 32, 1261-1284.	3.3	69
26	Simplified fuzzy rule-based systems using non-parametric antecedents and relative data density. , 2011, , .		68
27	Fuzzy optimal control. Fuzzy Sets and Systems, 1992, 47, 151-156.	1.6	63
28	Anomaly detection based on eccentricity analysis. , 2014, , .		63
29	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
30	Self-organising fuzzy logic classifier. Information Sciences, 2018, 447, 36-51.	4.0	62
31	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
32	HUMAN ACTIVITY RECOGNITION BASED ON EVOLVING FUZZY SYSTEMS. International Journal of Neural Systems, 2010, 20, 355-364.	3.2	60
33	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
34	Vision Based Human Activity Recognition: A Review. Advances in Intelligent Systems and Computing, 2017, , 341-371.	0.5	59
35	Autonomous Learning Multimodel Systems From Data Streams. IEEE Transactions on Fuzzy Systems, 2018, 26, 2213-2224.	6.5	59
36	Evolving classification of agentsâ€™ behaviors: a general approach. Evolving Systems, 2010, 1, 161-171.	2.4	56

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37	Correntropy-Based Evolving Fuzzy Neural System. IEEE Transactions on Fuzzy Systems, 2018, 26, 1324-1338.	6.5	51
38	Deep rule-based classifier with human-level performance and characteristics. Information Sciences, 2018, 463-464, 196-213.	4.0	51
39	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
40	Adaptive Inferential Sensors Based on Evolving Fuzzy Models. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 529-539.	5.5	45
41	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
42	A Generalized Methodology for Data Analysis. IEEE Transactions on Cybernetics, 2018, 48, 2981-2993.	6.2	44
43	Deep Learning-Based Automated Forest Health Diagnosis From Aerial Images. IEEE Access, 2020, 8, 144064-144076.	2.6	44
44	Outside the box: an alternative data analytics framework. Journal of Automation, Mobile Robotics and Intelligent Systems, 2014, 8, 29-35.	0.4	44
45	Evolving Fuzzy Rule-based Classifiers. , 2007, , .		43
46	Autonomous Visual Self-localization in Completely Unknown Environment using Evolving Fuzzy Rule-based Classifier. , 2007, , .		43
47	On line learning fuzzy rule-based system structure from data streams. , 2008, , .		43
48	Real-Time Fault Detection Using Recursive Density Estimation. Journal of Control, Automation and Electrical Systems, 2014, 25, 428-437.	1.2	42
49	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
50	Semi-supervised deep rule-based approach for image classification. Applied Soft Computing Journal, 2018, 68, 53-68.	4.1	41
51	An evolving approach to data streams clustering based on typicality and eccentricity data analytics. Information Sciences, 2020, 518, 13-28.	4.0	40
52	Parsimonious random vector functional link network for data streams. Information Sciences, 2018, 430-431, 519-537.	4.0	39
53	Autonomous novelty detection and object tracking in video streams using evolving clustering and Takagi-Sugeno type neuro-fuzzy system. , 2008, , .		38
54	A method for autonomous data partitioning. Information Sciences, 2018, 460-461, 65-82.	4.0	38

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55	A selfâ€adaptive synthetic overâ€sampling technique for imbalanced classification. International Journal of Intelligent Systems, 2020, 35, 923-943.	3.3	38
56	Autonomously evolving classifier TEDAClass. Information Sciences, 2016, 366, 1-11.	4.0	37
57	Evolving Single- And Multi-Model Fuzzy Classifiers with FLEXFIS-Class. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	36
58	Empirical Approach to Machine Learning. Studies in Computational Intelligence, 2019, , .	0.7	36
59	A generalized approach to fuzzy optimization. International Journal of Intelligent Systems, 1994, 9, 261-268.	3.3	35
60	Robust evolving cloud-based controller for a hydraulic plant. , 2013, , .		35
61	A practical implementation of self-evolving cloud-based control of a pilot plant. , 2013, , .		31
62	Flexible models with evolving structure. International Journal of Intelligent Systems, 2004, 19, 327-340.	3.3	30
63	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
64	On-Line Evolution of Takagi-Sugeno Fuzzy Models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 67-72.	0.4	29
65	Empirical data analysis: A new tool for data analytics. , 2016, , .		29
66	Evolutionary Synthesis of HVAC System Configurations: Algorithm Development (RP-1049). HVAC and R Research, 2008, 14, 33-55.	0.9	27
67	Guest Editorial Evolving Fuzzy Systemsâ€“-Preface to the Special Section. IEEE Transactions on Fuzzy Systems, 2008, 16, 1390-1392.	6.5	25
68	A fast approach to novelty detection in video streams using recursive density estimation. , 2008, , .		25
69	Self-Organised direction aware data partitioning algorithm. Information Sciences, 2018, 423, 80-95.	4.0	25
70	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
71	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
72	Toward Anthropomorphic Machine Learning. Computer, 2018, 51, 18-27.	1.2	24

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73	Data-driven evolving fuzzy systems using eTS and FLEXFIS: comparative analysis. International Journal of General Systems, 2008, 37, 45-67.	1.2	23
74	Self-evolving parameter-free Rule-based Controller. , 2012, , .		23
75	Stability of Evolving Fuzzy Systems Based on Data Clouds. IEEE Transactions on Fuzzy Systems, 2018, 26, 2774-2784.	6.5	23
76	A new type of distance metric and its use for clustering. Evolving Systems, 2017, 8, 167-177.	2.4	22
77	Autonomous learning multi-model classifier of 0-Order (ALMMo-0). , 2017, , .		22
78	Self-organizing fuzzy inference ensemble system for big streaming data classification. Knowledge-Based Systems, 2021, 218, 106870.	4.0	22
79	Soft sensor for predicting crude oil distillation side streams using evolving takagi-sugeno fuzzy models. , 2007, , .		21
80	A Passive Approach to Autonomous Collision Detection and Avoidance. , 2008, , .		21
81	Gender and Age Classification of Human Faces for Automatic Detection of Anomalous Human Behaviour. , 2017, , .		21
82	Local optimality of self-organising neuro-fuzzy inference systems. Information Sciences, 2019, 503, 351-380.	4.0	21
83	Autonomous Learning Multiple-Model zero-order classifier for heart sound classification. Applied Soft Computing Journal, 2020, 94, 106449.	4.1	21
84	Particle Swarm Optimized Autonomous Learning Fuzzy System. IEEE Transactions on Cybernetics, 2021, 51, 5352-5363.	6.2	21
85	Real-time human activity recognition from wireless sensors using evolving fuzzy systems. , 2010, , .		20
86	Anomalous behaviour detection based on heterogeneous data and data fusion. Soft Computing, 2018, 22, 3187-3201.	2.1	20
87	A Method for Predicting Quality of the Crude Oil Distillation. , 2006, , .		18
88	Evolving Extended Naive Bayes Classifiers. , 2006, , .		18
89	Evolving fuzzy systems for data streams: a survey. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2011, 1, 461-476.	4.6	18
90	Evolving local means method for clustering of streaming data. , 2012, , .		18

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91	Robust evolving cloud-based PID control adjusted by gradient learning method. , 2014, , .		18
92	AURORA: autonomous real-time on-board video analytics. Neural Computing and Applications, 2017, 28, 855-865.	3.2	18
93	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
94	A new evolving clustering algorithm for online data streams. , 2016, , .		17
95	MICE: Multi-Layer Multi-Model Images Classifier Ensemble. , 2017, , .		17
96	An evolutionary approach to fuzzy rule-based model synthesis using indices for rules. Fuzzy Sets and Systems, 2003, 137, 325-338.	1.6	16
97	Design and performance of a rule-based controller in a naturally ventilated room. Computers in Industry, 2003, 51, 299-326.	5.7	16
98	An evolving machine learning method for human activity recognition systems. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 195-206.	3.3	16
99	Self-boosting first-order autonomous learning neuro-fuzzy systems. Applied Soft Computing Journal, 2019, 77, 118-134.	4.1	16
100	Explaining Deep Learning Models Through Rule-Based Approximation and Visualization. IEEE Transactions on Fuzzy Systems, 2021, 29, 2399-2407.	6.5	16
101	A Self-Training Hierarchical Prototype-based Ensemble Framework for Remote Sensing Scene Classification. Information Fusion, 2022, 80, 179-204.	11.7	16
102	An Approach to Real-time Color-based Object Tracking. , 2006, , .		15
103	Fuzzy systems design: direct and indirect approaches. Soft Computing, 2006, 10, 836-849.	2.1	15
104	Architectures for evolving fuzzy rule-based classifiers. , 2007, , .		15
105	Online self-evolving fuzzy controller for autonomous mobile robots. , 2011, , .		15
106	Evolving Classifier TEDAClass for Big Data. Procedia Computer Science, 2015, 53, 9-18.	1.2	15
107	Foreign currency exchange rate prediction using neuro-fuzzy systems. Procedia Computer Science, 2018, 144, 232-238.	1.2	15
108	A simple fuzzy rule-based system through vector membership and kernel-based granulation. , 2010, , .		14

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109	Empirical Fuzzy Sets. International Journal of Intelligent Systems, 2018, 33, 362-395.	3.3	14
110	On-line Design of Takagi-Sugeno Models. Lecture Notes in Computer Science, 2003, , 576-584.	1.0	13
111	Data density based clustering. , 2014, , .		13
112	Typicality distribution function — A new density-based data analytics tool. , 2015, , .		13
113	Real time recognition of human activities from wearable sensors by evolving classifiers. , 2011, , .		12
114	Analysis of adaptation law of the robust evolving cloud-based controller. , 2015, , .		12
115	Online fault detection based on Typicality and Eccentricity Data Analytics. , 2015, , .		12
116	Robust Evolving Cloud-based Controller in normalized data space for heat-exchanger plant. , 2015, , .		12
117	A new online clustering approach for data in arbitrary shaped clusters. , 2015, , .		12
118	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
119	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
120	Statistically Evolving Fuzzy Inference System for Non-Gaussian Noises. IEEE Transactions on Fuzzy Systems, 2022, 30, 2649-2664.	6.5	11
121	Modelling evolving user behaviours. , 2009, , .		10
122	A new unsupervised approach to fault detection and identification. , 2014, , .		10
123	A real-time approach for autonomous detection and tracking of moving objects from UAV. , 2014, , .		10
124	Comparison of Approaches for Identification of All-data Cloud-based Evolving Systems. IFAC-PapersOnLine, 2015, 48, 129-134.	0.5	10
125	Unsupervised classification of data streams based on Typicality and Eccentricity Data Analytics. , 2016, , .		10
126	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

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127	A cascade of deep learning fuzzy rule-based image classifier and SVM. , 2017, , .		10
128	Interpretable policies for reinforcement learning by empirical fuzzy sets. Engineering Applications of Artificial Intelligence, 2020, 91, 103559.	4.3	10
129	Concept Drift Detection Using Autoencoders in Data Streams Processing. Lecture Notes in Computer Science, 2020, , 124-133.	1.0	10
130	Simpl_eClass: Simplified potential-free evolving fuzzy rule-based classifiers. , 2011, , .		9
131	ARFA: Automated real-time flight data analysis using evolving clustering, classifiers and recursive density estimation. , 2013, , .		9
132	A fully autonomous Data Density based Clustering technique. , 2014, , .		9
133	Online evolving fuzzy rule-based prediction model for high frequency trading financial data stream. , 2016, , .		9
134	Autonomous anomaly detection. , 2017, , .		9
135	Human action recognition using deep rule-based classifier. Multimedia Tools and Applications, 2020, 79, 30653-30667.	2.6	9
136	Highly interpretable hierarchical deep rule-based classifier. Applied Soft Computing Journal, 2020, 92, 106310.	4.1	9
137	Towards Deep Machine Reasoning: a Prototype-based Deep Neural Network with Decision Tree Inference. , 2020, , .		9
138	Evolving fuzzy inferential sensors for process industry. , 2008, , .		8
139	A Robust Evolving Cloud-Based Controller. , 2015, , 1435-1449.		8
140	Cybernetics of the Mind: Learning Individual's Perceptions Autonomously. IEEE Systems, Man, and Cybernetics Magazine, 2017, 3, 6-17.	1.2	8
141	Evolving Fuzzy Classifier for Novelty Detection and Landmark Recognition by Mobile Robots. Studies in Computational Intelligence, 2007, , 89-118.	0.7	8
142	A real-time approach for novelty detection and trajectories analysis for anomaly recognition in video surveillance systems. , 2012, , .		7
143	Evolving social network analysis: A case study on mobile phone data. , 2012, , .		7
144	Dynamically evolving fuzzy classifier for real-time classification of data streams. , 2014, , .		7

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145	Symbol recognition with a new autonomously evolving classifier autoclass. , 2014, , .		7
146	Dynamically evolving clustering for data streams. , 2014, , .		7
147	A comparative study of autonomous learning outlier detection methods applied to fault detection. , 2015, , .		7
148	Evolving clustering, classification and regression with TEDA. , 2015, , .		7
149	Autonomous Data Density based clustering method. , 2016, , .		7
150	Automatic Detection of Computer Network Traffic Anomalies based on Eccentricity Analysis. , 2018, , .		7
151	A distance-type-insensitive clustering approach. Applied Soft Computing Journal, 2019, 77, 622-634.	4.1	7
152	Explainable Density-Based Approach for Self-Driving Actions Classification. , 2019, , .		7
153	Optimal control of biotechnological processes described by fuzzy sets. Journal of Process Control, 1993, 3, 147-152.	1.7	6
154	ARTOT: Autonomous real-time object detection and tracking by a moving camera. , 2012, , .		6
155	Real-time novelty detection in video using background subtraction techniques: State of the art a practical review. , 2014, , .		6
156	Autonomous data-driven clustering for live data stream. , 2016, , .		6
157	A general purpose intelligent surveillance system for mobile devices using Deep Learning. , 2016, , .		6
158	Actively Semi-Supervised Deep Rule-based Classifier Applied to Adverse Driving Scenarios. , 2019, , .		6
159	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
160	Evolving Fuzzy Rule-Based Models. Journal of the Chinese Institute of Industrial Engineers, 2000, 17, 459-468.	0.5	5
161	Online learning and prediction of data streams using dynamically evolving fuzzy approach. , 2013, , .		5
162	A randomized neural network for data streams. , 2017, , .		5

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163	Parallel Computing TEDA for High Frequency Streaming Data Clustering. Advances in Intelligent Systems and Computing, 2017, , 238-253.	0.5	5
164	Self-Organising and Self-Learning Model for Soybean Yield Prediction. , 2019, , .		5
165	Automatic Extraction and Labelling of Memorial Objects From 3D Point Clouds. Journal of Computer Applications in Archaeology, 2021, 4, 79-93.	0.8	5
166	Evolving Fuzzy Systems. , 2009, , 3242-3255.		5
167	Evolving Fuzzy Systems. , 2012, , 1053-1065.		5
168	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
169	A Nested Hierarchy of Dynamically Evolving Clouds for Big Data Structuring and Searching. Procedia Computer Science, 2015, 53, 1-8.	1.2	4
170	Self-Evolving Data Cloud-Based PID-Like Controller for Nonlinear Uncertain Systems. IEEE Transactions on Industrial Electronics, 2021, 68, 4508-4518.	5.2	4
171	Recursive SVM Based on TEDA. Lecture Notes in Computer Science, 2015, , 156-168.	1.0	4
172	Forecasting time-series for NN GC1 using Evolving Takagi-Sugeno (eTS) Fuzzy Systems with on-line inputs selection. , 2010, , .		3
173	Automatic scene recognition for low-resource devices using evolving classifiers. , 2011, , .		3
174	Towards generic human activity recognition for ubiquitous applications. Journal of Ambient Intelligence and Humanized Computing, 2013, 4, 155-156.	3.3	3
175	Robust Evolving Cloud-based Controller (RECCo). , 2017, , .		3
176	A Deep Rule-Based Approach for Satellite Scene Image Analysis. , 2018, , .		3
177	Towards Large Scale Ad-hoc Teamwork. , 2018, , .		3
178	Deep Rule-Based Aerial Scene Classifier using High-Level Ensemble Feature Descriptor. , 2019, , .		3
179	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
180	Recovery of LSP Coefficient in VoIP Systems using Evolving Takagi-Sugeno Fuzzy Models. , 2006, , .		2

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181	Autonomous visual self-localization in completely unknown environment. , 2012, , .		2
182	Automatic mobile photographer and picture diary. , 2012, , .		2
183	Vehicle Plate Recognition Using Improved Neocognitron Neural Network. Lecture Notes in Computer Science, 2013, , 628-640.	1.0	2
184	SARIVA: Smartphone APP for Real-time Intelligent Video Analytics. Journal of Automation, Mobile Robotics and Intelligent Systems, 2014, 8, 15-19.	0.4	2
185	RTSDE: Recursive total-sum-distances-based density estimation approach and its application for autonomous real-time video analytics. , 2014, , .		2
186	Fast feedforward non-parametric deep learning network with automatic feature extraction. , 2017, , .		2
187	Detecting Anomalous Behaviour Using Heterogeneous Data. Advances in Intelligent Systems and Computing, 2017, , 253-273.	0.5	2
188	Towards Evolving Cooperative Mapping for Large-Scale UAV Teams. , 2018, , .		2
189	Brief Introduction to Statistical Machine Learning. Studies in Computational Intelligence, 2019, , 17-67.	0.7	2
190	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
191	OSA: One-Class Recursive SVM Algorithm with Negative Samples for Fault Detection. Lecture Notes in Computer Science, 2013, , 194-207.	1.0	2
192	ATDT: Autonomous Template-Based Detection and Tracking of Objects from Airborne Camera. Advances in Intelligent Systems and Computing, 2015, , 555-565.	0.5	2
193	User modeling: Through statistical analysis and an evolving classifier. , 2010, , .		1
194	Using Evolving Fuzzy Models to Predict Crude Oil Distillation Side Streams. Applied Mechanics and Materials, 0, 88-89, 432-437.	0.2	1
195	Incremental anomaly identification by adapted SVM method. , 2013, , .		1
196	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
197	Local modes-based free-shape data partitioning. , 2016, , .		1
198	Anomaly Detectionâ€"Empirical Approach. Studies in Computational Intelligence, 2019, , 157-173.	0.7	1

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199	Applications of Autonomous Data Partitioning. Studies in Computational Intelligence, 2019, , 261-276.	0.7	1
200	Data Partitioningâ€"Empirical Approach. Studies in Computational Intelligence, 2019, , 175-198.	0.7	1
201	A Novel Self-Organizing PID Approach for Controlling Mobile Robot Locomotion. , 2020, , .		1
202	Detecting and learning from unknown by extremely weak supervision: exploratory classifier (xClass). Neural Computing and Applications, 2021, 33, 15145.	3.2	1
203	ARTOD: Autonomous Real Time Objects Detection by a Moving Camera Using Recursive Density Estimation. Studies in Computational Intelligence, 2016, , 123-138.	0.7	1
204	Prediction of the Attention Area in Ambient Intelligence Tasks. Studies in Computational Intelligence, 2016, , 33-56.	0.7	1
205	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
206	Ensemble-Based Bounding Box Regression for Enhanced Knuckle Localization. Sensors, 2022, 22, 1569.	2.1	1
207	Stochastic Computing co-processing elements for Evolving Autonomous Data Partitioning. , 2021, , .		1
208	Delve Into Neural Activations: Toward Understanding Dying Neurons. IEEE Transactions on Artificial Intelligence, 2023, 4, 959-971.	3.4	1
209	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
210	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
211	Evolving human activity classifier from sensor streams. , 2011, , .		0
212	Towards an autonomous resilience strategy the implementation of a self evolving rate limiter. , 2013, , .		0
213	Edge Flow. , 2015, , .		0
214	Brief Introduction to Computational Intelligence. Studies in Computational Intelligence, 2019, , 69-99.	0.7	0
215	Applications of Autonomous Learning Multi-model Systems. Studies in Computational Intelligence, 2019, , 277-293.	0.7	0
216	Applications of Deep Rule-Based Classifiers. Studies in Computational Intelligence, 2019, , 295-319.	0.7	0

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217	Applications of Semi-supervised Deep Rule-Based Classifiers. Studies in Computational Intelligence, 2019, , 321-340.	0.7	0
218	Autonomous Learning Multi-model Systems. Studies in Computational Intelligence, 2019, , 199-222.	0.7	0
219	Transparent Deep Rule-Based Classifiers. Studies in Computational Intelligence, 2019, , 223-245.	0.7	0
220	Keynote: Explainable-by-design Deep Learning. , 2021, , .		0
221	A computational protocol and software implementation (as a MATLAB application) for biomarker identification in infrared spectroscopy datasets. Protocol Exchange, 0, , .	0.3	0
222	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
223	Incremental Anomaly Identification in Flight Data Analysis by Adapted One-Class SVM Method. Springer Series in Bio-/neuroinformatics, 2015, , 373-391.	0.1	0
224	Editorial: Special issue on recent progress in autonomous machine learning. Information Sciences, 2022, 595, 195-196.	4.0	0