

Patricia Melin

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

624
papers

11,525
citations

62
h-index

93
g-index

722
ext. papers

13,169
ext. citations

2.1
avg, IF

7.27
L-index

#	Paper	IF	Citations
624	Fuzzy dynamic parameter adaptation in the bird swarm algorithm for neural network optimization.. <i>Soft Computing</i> , 2022 , 1-18	3.5	1
623	Introduction to Soft Computing Applied in Medicine. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2022 , 1-4	0.4	
622	Theory of Soft Computing and Medical Terms. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2022 , 5-24	0.4	
621	Study Cases to Test the Optimization Performed in the Hybrid Model. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2022 , 29-109	0.4	
620	Convolutional Neural Network Design Using a Particle Swarm Optimization for Face Recognition. <i>Lecture Notes in Networks and Systems</i> , 2022 , 233-242	0.5	0
619	Type-2 Fuzzy Logic Systems. <i>Studies in Fuzziness and Soft Computing</i> , 2022 , 5-11	0.7	1
618	Comparison of Image Pre-processing for Classifying Diabetic Retinopathy Using Convolutional Neural Networks. <i>Lecture Notes in Networks and Systems</i> , 2022 , 194-204	0.5	2
617	Introduction to Interval Type-3 Fuzzy Systems. <i>Studies in Fuzziness and Soft Computing</i> , 2022 , 1-4	0.7	2
616	Interval Type-3 Fuzzy Sets. <i>Studies in Fuzziness and Soft Computing</i> , 2022 , 13-43	0.7	0
615	A review on quantum computing and deep learning algorithms and their applications.. <i>Soft Computing</i> , 2022 , 1-20	3.5	
614	Toward Improving the Fuzzy KNN Algorithm Based on TakagiSugeno Fuzzy Inference System. <i>Advances in Intelligent Systems and Computing</i> , 2022 , 237-252	0.4	
613	Optimization of Neural Network Models for Estimating the Risk of Developing Hypertension Using Bio-inspired Algorithms. <i>Advances in Intelligent Systems and Computing</i> , 2022 , 223-235	0.4	1
612	A Review on the Role of Computational Intelligence on Sustainability Development. <i>Studies in Computational Intelligence</i> , 2022 , 3-18	0.8	
611	Hierarchical genetic optimization of convolutional neural models for diabetic retinopathy classification. <i>International Journal of Hybrid Intelligent Systems</i> , 2022 , 1-13	0.9	1
610	Interval Type-3 Fuzzy Aggregation of Neural Networks for Multiple Time Series Prediction: The Case of Financial Forecasting. <i>Axioms</i> , 2022 , 11, 251	1.6	0
609	Optimal Design and Internet of Things Implementation of a General Type-2 Classifier for Blood Pressure Levels. <i>Lecture Notes in Networks and Systems</i> , 2022 , 722-729	0.5	
608	Interval Type-3 Fuzzy Aggregators for Ensembles of Neural Networks in Time Series Prediction. <i>Lecture Notes in Networks and Systems</i> , 2022 , 785-793	0.5	0

607	Introduction to Neuro Fuzzy Hybrid Model. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2021 , 1-5	0.4	
606	Theory and Background of Medical Diagnosis. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2021 , 7-13	0.4	
605	Study Cases to Test the Neuro Fuzzy Hybrid Model. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2021 , 19-95	0.4	
604	Optimization of Fuzzy Controllers for Autonomous Mobile Robots Using the Stochastic Fractal Search Method. <i>Studies in Computational Intelligence</i> , 2021 , 175-188	0.8	
603	Comparison of Genetic Algorithm and Particle Swarm Optimization of Ensemble Neural Networks for Complex Time Series Prediction. <i>Studies in Computational Intelligence</i> , 2021 , 51-77	0.8	2
602	Shadowed Type-2 Fuzzy Systems for Dynamic Parameter Adaptation in Harmony Search and Differential Evolution for Optimal Design of Fuzzy Controllers. <i>Mathematics</i> , 2021 , 9, 2439	2.3	2
601	Genetic Optimization of Type-1, Type-2 and Intuitionistic Fuzzy Recognition Systems. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 273-291	0.4	
600	Comparison of Neural Network Models Applied to Human Recognition. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 130-142	0.4	1
599	Fuzzy System for Classification of Nocturnal Blood Pressure Profile and Its Optimization with the Crow Search Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 23-34	0.4	3
598	Fuzzy Dynamic Parameter Adaptation for Particle Swarm Optimization of Modular Granular Neural Networks Applied to Time Series Prediction. <i>Studies in Computational Intelligence</i> , 2021 , 189-204	0.8	1
597	A New Approach for Dynamic Stochastic Fractal Search with Fuzzy Logic for Parameter Adaptation. <i>Fractal and Fractional</i> , 2021 , 5, 33	3	2
596	Bio-Inspired Algorithms and Its Applications for Optimization in Fuzzy Clustering. <i>Algorithms</i> , 2021 , 14, 122	1.8	14
595	A new approach for classifying coronavirus COVID-19 based on its manifestation on chest X-rays using texture features and neural networks. <i>Information Sciences</i> , 2021 , 545, 403-414	7.7	62
594	A new modular neural network approach with fuzzy response integration for lung disease classification based on multiple objective feature optimization in chest X-ray images. <i>Expert Systems With Applications</i> , 2021 , 168, 114361	7.8	16
593	Optimal design of a general type-2 fuzzy classifier for the pulse level and its hardware implementation. <i>Engineering Applications of Artificial Intelligence</i> , 2021 , 97, 104069	7.2	22
592	Neuro Fuzzy Hybrid Models for Classification in Medical Diagnosis. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2021 ,	0.4	2
591	Optimization using the firefly algorithm of ensemble neural networks with type-2 fuzzy integration for COVID-19 time series prediction. <i>Soft Computing</i> , 2021 , 1-38	3.5	7
590	Proposed Methodology. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2021 , 29-62	0.4	

589	A New Hybrid Method Based on ACO and PSO with Fuzzy Dynamic Parameter Adaptation for Modular Neural Networks Optimization. <i>Studies in Computational Intelligence</i> , 2021 , 337-361	0.8	
588	Optimization of Modular Neural Networks for the Diagnosis of Cardiovascular Risk. <i>Studies in Computational Intelligence</i> , 2021 , 99-111	0.8	
587	An Improved Convolutional Neural Network Based on a Parameter Modification of the Convolution Layer. <i>Studies in Computational Intelligence</i> , 2021 , 125-147	0.8	3
586	Background and Theory. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2021 , 5-28	0.4	0
585	An Efficient High-Order μ -Plane Aggregation in General Type-2 Fuzzy Systems Using Newton's Rules. <i>International Journal of Fuzzy Systems</i> , 2021 , 23, 1102-1121	3.6	4
584	A Novel Method for a COVID-19 Classification of Countries Based on an Intelligent Fuzzy Fractal Approach. <i>Healthcare (Switzerland)</i> , 2021 , 9,	3.4	24
583	Optimal design of type-2 fuzzy systems for diabetes classification based on genetic algorithms. <i>International Journal of Hybrid Intelligent Systems</i> , 2021 , 17, 15-32	0.9	3
582	Spatial and Temporal Spread of the COVID-19 Pandemic Using Self Organizing Neural Networks and a Fuzzy Fractal Approach. <i>Sustainability</i> , 2021 , 13, 8295	3.6	5
581	Fuzzy logic research work in Mexico motivated by Lotfi Zadeh. <i>Notes on Intuitionistic Fuzzy Sets</i> , 2021 , 27, 1-10	1.4	3
580	Differential Evolution with Shadowed and General Type-2 Fuzzy Systems for Dynamic Parameter Adaptation in Optimal Design of Fuzzy Controllers. <i>Axioms</i> , 2021 , 10, 194	1.6	4
579	A new fuzzy fractal control approach of non-linear dynamic systems: The case of controlling the COVID-19 pandemics. <i>Chaos, Solitons and Fractals</i> , 2021 , 151, 111250	9.3	4
578	Towards asymmetric uncertainty modeling in designing General Type-2 Fuzzy classifiers for medical diagnosis. <i>Expert Systems With Applications</i> , 2021 , 183, 115370	7.8	12
577	Genetic Optimization of Ensemble Neural Network Architectures for Prediction of COVID-19 Confirmed and Death Cases. <i>Studies in Computational Intelligence</i> , 2021 , 85-98	0.8	0
576	Ensemble Recurrent Neural Networks for Complex Time Series Prediction with Integration Methods. <i>Studies in Computational Intelligence</i> , 2021 , 71-83	0.8	1
575	A New Approach for an Intuitionistic Fuzzy Sugeno Integral Using Morphological Gradient Edge Detector. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 26-45	0.4	
574	Optimal Design of a Fuzzy System with a Real-Coded Genetic Algorithm for Diabetes Classification. <i>Advances in Intelligent Systems and Computing</i> , 2021 , 320-329	0.4	
573	Estimation of the Number of Filters in the Convolution Layers of a Convolutional Neural Network Using a Fuzzy Logic System. <i>Studies in Computational Intelligence</i> , 2021 , 1-14	0.8	2
572	A survey of Type-2 fuzzy logic controller design using nature inspired optimization. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020 , 39, 6169-6179	1.6	8

571	An approach for non-singleton generalized Type-2 fuzzy classifiers. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020 , 39, 7203-7215	1.6	4
570	Designing hybrid classifiers based on general type-2 fuzzy logic and support vector machines. <i>Soft Computing</i> , 2020 , 24, 18009-18019	3.5	4
569	Analysis of Spatial Spread Relationships of Coronavirus (COVID-19) Pandemic in the World using Self Organizing Maps. <i>Chaos, Solitons and Fractals</i> , 2020 , 138, 109917	9.3	74
568	Multiple Ensemble Neural Network Models with Fuzzy Response Aggregation for Predicting COVID-19 Time Series: The Case of Mexico. <i>Healthcare (Switzerland)</i> , 2020 , 8,	3.4	88
567	Comparative study of interval Type-2 and general Type-2 fuzzy systems in medical diagnosis. <i>Information Sciences</i> , 2020 , 525, 37-53	7.7	52
566	Comparison of particle swarm optimization variants with fuzzy dynamic parameter adaptation for modular granular neural networks for human recognition. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020 , 38, 3229-3252	1.6	43
565	Fuzzy Parameter Adaptation in Genetic Algorithms for the Optimization of Fuzzy Integrators in Modular Neural Networks for Multimodal Biometry. <i>Computacion Y Sistemas</i> , 2020 , 24,	1.4	5
564	Fireworks Algorithm (FWA) with Adaptation of Parameters Using Interval Type-2 Fuzzy Logic System. <i>Studies in Computational Intelligence</i> , 2020 , 35-47	0.8	
563	Simulation Results of the Type-2 Fuzzy Sugeno Integral. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 37-51	0.4	
562	Conclusions and Future Work on the Generalized Type-2 Fuzzy Sugeno Integral. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 53-55	0.4	
561	Basic Theory for the Type-2 Fuzzy Sugeno Integral. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 5-27	0.4	
560	Design of a Fuzzy System for Classification of Blood Pressure Load. <i>Studies in Computational Intelligence</i> , 2020 , 99-106	0.8	2
559	Study of the Relevance of Polynomial Order in Takagi-Sugeno Fuzzy Inference Systems Applied in Diagnosis Problems. <i>Studies in Computational Intelligence</i> , 2020 , 19-33	0.8	
558	Hybrid Neural-Fuzzy Modeling and Classification System for Blood Pressure Level Affection. <i>Studies in Computational Intelligence</i> , 2020 , 257-269	0.8	
557	Comparative Study of Bio-inspired Algorithms Applied in the Optimization of Fuzzy Systems. <i>Studies in Computational Intelligence</i> , 2020 , 219-231	0.8	2
556	Particle Swarm Algorithm for the Optimization of Modular Neural Networks in Pattern Recognition. <i>Studies in Computational Intelligence</i> , 2020 , 59-69	0.8	1
555	Modular granular neural network optimization using the firefly algorithm applied to time series prediction 2020 , 199-216		3
554	Interval Type 2 Fuzzy Fireworks Algorithm for Clustering. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2020 , 195-211	0.4	

553	Analysis of P, PI, Fuzzy and Fuzzy PI Controllers for Control Position in Omnidirectional Robots. <i>Studies in Computational Intelligence</i> , 2020 , 339-353	0.8	0
552	Intuitionistic Fuzzy Sugeno Integral for Face Recognition. <i>Studies in Computational Intelligence</i> , 2020 , 781-792	0.8	1
551	A Comparison of ACO, GA and SA for Solving the TSP Problem. <i>Studies in Computational Intelligence</i> , 2020 , 181-189	0.8	7
550	Hybrid Model Based on Neural Networks and Fuzzy Logic for 2-Lead Cardiac Arrhythmia Classification. <i>Studies in Computational Intelligence</i> , 2020 , 193-217	0.8	1
549	Design of Interval Type-2 Fuzzy Systems for Classification of Blood Pressure Load. <i>Studies in Computational Intelligence</i> , 2020 , 233-239	0.8	1
548	Optimal Recognition Model Based on Convolutional Neural Networks and Fuzzy Gravitational Search Algorithm Method. <i>Studies in Computational Intelligence</i> , 2020 , 71-81	0.8	9
547	Optimal Number of Clusters Finding Using the Fireworks Algorithm. <i>Studies in Computational Intelligence</i> , 2020 , 83-93	0.8	3
546	A Modular Neural Network Approach for Cardiac Arrhythmia Classification. <i>Studies in Computational Intelligence</i> , 2020 , 211-223	0.8	1
545	Particle Swarm Optimization of Modular Neural Networks for Obtaining the Trend of Blood Pressure. <i>Studies in Computational Intelligence</i> , 2020 , 225-236	0.8	3
544	Classification of X-Ray Images for Pneumonia Detection Using Texture Features and Neural Networks. <i>Studies in Computational Intelligence</i> , 2020 , 237-253	0.8	7
543	Towards Tracking Trajectory of Planar Quadrotor Models. <i>Studies in Computational Intelligence</i> , 2020 , 313-323	0.8	1
542	Filter Size Optimization on a Convolutional Neural Network Using FGSA. <i>Studies in Computational Intelligence</i> , 2020 , 391-403	0.8	4
541	Optimization for Type-1 and Interval Type-2 Fuzzy Systems for the Classification of Blood Pressure Load Using Genetic Algorithms. <i>Studies in Computational Intelligence</i> , 2020 , 63-71	0.8	2
540	Design of an interval Type-2 fuzzy model with justifiable uncertainty. <i>Information Sciences</i> , 2020 , 513, 206-221	7.7	47
539	Forecasting of COVID-19 time series for countries in the world based on a hybrid approach combining the fractal dimension and fuzzy logic. <i>Chaos, Solitons and Fractals</i> , 2020 , 140, 110242	9.3	56
538	A new prediction approach of the COVID-19 virus pandemic behavior with a hybrid ensemble modular nonlinear autoregressive neural network. <i>Soft Computing</i> , 2020 , 1-10	3.5	4
537	Type-2 fuzzy control for line following using line detection images. <i>Journal of Intelligent and Fuzzy Systems</i> , 2020 , 39, 6089-6097	1.6	6
536	Proposed Method for the Type-2 Fuzzy Sugeno Integral. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 29-36	0.4	

535	Introduction to the Type-2 Fuzzy Sugeno Integral. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 1-3	0.4	
534	Toward a development of general type-2 fuzzy classifiers applied in diagnosis problems through embedded type-1 fuzzy classifiers. <i>Soft Computing</i> , 2020 , 24, 83-99	3.5	27
533	A high-speed interval type 2 fuzzy system approach for dynamic parameter adaptation in metaheuristics. <i>Engineering Applications of Artificial Intelligence</i> , 2019 , 85, 666-680	7.2	39
532	Comparative Analysis of Type-1 Fuzzy Inference Systems with Different Sugeno Polynomial Orders Applied to Diagnosis Problems. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 453-465	0.4	
531	A New Approach to Multiple Time Series Prediction Using MIMO Fuzzy Aggregation Models with Modular Neural Networks. <i>International Journal of Fuzzy Systems</i> , 2019 , 21, 1629-1648	3.6	39
530	Blood Pressure Classification Using the Method of the Modular Neural Networks. <i>International Journal of Hypertension</i> , 2019 , 2019, 7320365	2.4	8
529	Hybrid model based on neural networks, type-1 and type-2 fuzzy systems for 2-lead cardiac arrhythmia classification. <i>Expert Systems With Applications</i> , 2019 , 126, 295-307	7.8	42
528	General Type-2 Radial Basis Function Neural Network: A Data-Driven Fuzzy Model. <i>IEEE Transactions on Fuzzy Systems</i> , 2019 , 27, 333-347	8.3	23
527	A new fuzzy learning vector quantization method for classification problems based on a granular approach. <i>Granular Computing</i> , 2019 , 4, 197-209	5.4	12
526	General Type-2 Fuzzy Sugeno Integral for Edge Detection. <i>Journal of Imaging</i> , 2019 , 5,	3.1	14
525	A hybrid design of shadowed type-2 fuzzy inference systems applied in diagnosis problems. <i>Engineering Applications of Artificial Intelligence</i> , 2019 , 86, 43-55	7.2	23
524	Optimal Genetic Design of Type-1 and Interval Type-2 Fuzzy Systems for Blood Pressure Level Classification. <i>Axioms</i> , 2019 , 8, 8	1.6	31
523	An Approach for Optimization of Intuitionistic and Type-2 Fuzzy Systems in Pattern Recognition Applications 2019 ,		1
522	Relevance of Polynomial Order in Takagi-Sugeno Fuzzy Inference Systems Applied in Diagnosis Problems 2019 ,		2
521	Optimization of Modular Neural Networks for Pattern Recognition with Parallel Genetic Algorithms. <i>Lecture Notes in Computer Science</i> , 2019 , 223-235	0.9	1
520	Comparative Study of P, PI, Fuzzy and Fuzzy PI Controllers in Position Control for Omnidirectional Robots. <i>Lecture Notes in Computer Science</i> , 2019 , 714-727	0.9	0
519	PSO with Dynamic Adaptation of Parameters for Optimization in Neural Networks with Interval Type-2 Fuzzy Numbers Weights. <i>Axioms</i> , 2019 , 8, 14	1.6	15
518	An approach for parameterized shadowed type-2 fuzzy membership functions applied in control applications. <i>Soft Computing</i> , 2019 , 23, 3887-3901	3.5	44

517	Shadowed Type-2 Fuzzy Systems for Dynamic Parameter Adaptation in Harmony Search and Differential Evolution Algorithms. <i>Algorithms</i> , 2019 , 12, 17	1.8	28
516	Interval type-2 fuzzy logic for dynamic parameter adaptation in a modified gravitational search algorithm. <i>Information Sciences</i> , 2019 , 476, 159-175	7.7	92
515	Optimization of type-1, interval type-2 and general type-2 fuzzy inference systems using a hierarchical genetic algorithm for modular granular neural networks. <i>Granular Computing</i> , 2019 , 4, 211-234	5.4	9
514	A new approach to control of multivariable systems through a hierarchical aggregation of fuzzy controllers. <i>Granular Computing</i> , 2019 , 4, 1-13	5.4	17
513	New Classification Method Based on Modular Neural Networks with the LVQ Algorithm and Type-2 Fuzzy Logic. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018 ,	0.4	2
512	Impact Study of the Footprint of Uncertainty in Control Applications Based on Interval Type-2 Fuzzy Logic Controllers. <i>Studies in Computational Intelligence</i> , 2018 , 181-197	0.8	3
511	A New Approach for Time Series Prediction Using Ensembles of IT2FNN Models with Optimization of Fuzzy Integrators. <i>International Journal of Fuzzy Systems</i> , 2018 , 20, 701-728	3.6	45
510	A Grey Wolf Optimization Algorithm for Modular Granular Neural Networks Applied to Iris Recognition. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 282-293	0.4	3
509	A hybrid model based on modular neural networks and fuzzy systems for classification of blood pressure and hypertension risk diagnosis. <i>Expert Systems With Applications</i> , 2018 , 107, 146-164	7.8	71
508	New Hybrid Intelligent Systems for Diagnosis and Risk Evaluation of Arterial Hypertension. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018 ,	0.4	5
507	Comparison of Type-2 Fuzzy Integration for Optimized Modular Neural Networks Applied to Human Recognition. <i>Studies in Systems, Decision and Control</i> , 2018 , 285-302	0.8	
506	Fuzzy Adaptation for Particle Swarm Optimization for Modular Neural Networks Applied to Iris Recognition. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 104-114	0.4	2
505	How to Gauge the Accuracy of Fuzzy Control Recommendations: A Simple Idea. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 287-292	0.4	
504	Trajectory Optimization for an Autonomous Mobile Robot Using the Bat Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 232-241	0.4	1
503	Particle Swarm Optimization with Fuzzy Dynamic Parameters Adaptation for Modular Granular Neural Networks. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 277-288	0.4	
502	Multi-objective optimization for modular granular neural networks applied to pattern recognition. <i>Information Sciences</i> , 2018 , 460-461, 594-610	7.7	73
501	A Hybrid Approach for Modular Neural Network Design Using Intercriteria Analysis and Intuitionistic Fuzzy Logic. <i>Complexity</i> , 2018 , 2018, 1-11	1.6	32
500	High order μ planes integration: A new approach to computational cost reduction of General Type-2 Fuzzy Systems. <i>Engineering Applications of Artificial Intelligence</i> , 2018 , 74, 186-197	7.2	93

499	Parameter Optimization for Membership Functions of Type-2 Fuzzy Controllers for Autonomous Mobile Robots Using the Firefly Algorithm. <i>Communications in Computer and Information Science</i> , 2018 , 569-579	0.3	12
498	A New Hybridization Approach between the Fireworks Algorithm and Grey Wolf Optimizer Algorithm. <i>Journal of Optimization</i> , 2018 , 2018, 1-18	0.5	18
497	Optimization of Modular Neural Network Architectures with an Improved Particle Swarm Optimization Algorithm. <i>Studies in Fuzziness and Soft Computing</i> , 2018 , 165-174	0.7	1
496	Ensemble Neural Network with Type-2 Fuzzy Weights Using Response Integration for Time Series Prediction. <i>Studies in Fuzziness and Soft Computing</i> , 2018 , 175-189	0.7	2
495	Problem Statement and Development. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018 , 17-34	0.4	
494	Simulation Results. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018 , 33-46	0.4	
493	Problem Statements. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018 , 11-21	0.4	
492	A New Model Based on a Fuzzy System for Arterial Hypertension Classification. <i>Studies in Computational Intelligence</i> , 2018 , 319-327	0.8	
491	Ensemble Neural Network Optimization Using a Gravitational Search Algorithm with Interval Type-1 and Type-2 Fuzzy Parameter Adaptation in Pattern Recognition Applications. <i>Studies in Computational Intelligence</i> , 2018 , 17-27	0.8	4
490	Fuzzy Optimized Classifier for the Diagnosis of Blood Pressure Using Genetic Algorithm. <i>Studies in Computational Intelligence</i> , 2018 , 309-318	0.8	
489	Theory and Background. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018 , 5-27	0.4	
488	Problem Statement. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018 , 29-32	0.4	
487	Proposed Classification Method. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018 , 33-39	0.4	
486	Simulation Results. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018 , 41-54	0.4	
485	Design of a Neuro-Fuzzy System for Diagnosis of Arterial Hypertension. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018 , 15-22	0.4	1
484	Intelligent System for Risk Estimation of Arterial Hypertension. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018 , 63-75	0.4	1
483	Toward General Type-2 Fuzzy Logic Systems Based on Shadowed Sets. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 131-142	0.4	1
482	Optimization of Deep Neural Network for Recognition with Human Iris Biometric Measure. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 172-180	0.4	3

481	A Hybrid Intelligent System Model for Hypertension Risk Diagnosis. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 202-213	0.4	4
480	Dynamic Parameter Adaptation for Meta-Heuristic Optimization Algorithms Through Type-2 Fuzzy Logic. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018 ,	0.4	2
479	Theory and Background. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018 , 3-10	0.4	2
478	Person Recognition with Modular Deep Neural Network Using the Iris Biometric Measure. <i>Studies in Computational Intelligence</i> , 2018 , 69-80	0.8	6
477	Type-2 Fuzzy Logic in Pattern Recognition Applications. <i>Studies in Fuzziness and Soft Computing</i> , 2018 , 89-104	0.7	1
476	Optimization of Ensemble Neural Networks with Type-1 and Type-2 Fuzzy Integration for Prediction of the Taiwan Stock Exchange. <i>Studies in Fuzziness and Soft Computing</i> , 2018 , 151-164	0.7	4
475	Fuzzy Logic for Arterial Hypertension Classification. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018 , 5-13	0.4	1
474	Neuro-Fuzzy Modular Approaches for Classification of Arterial Hypertension with a Method for the Expert Rules Optimization. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018 , 23-47	0.4	
473	Design of Modular Neural Network for Arterial Hypertension Diagnosis. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2018 , 49-62	0.4	
472	Optimization of Ensemble Neural Networks with Type-1 and Interval Type-2 Fuzzy Integration for Forecasting the Taiwan Stock Exchange. <i>Studies in Computational Intelligence</i> , 2018 , 169-181	0.8	1
471	Optimal Design of Interval Type-2 Fuzzy Heart Rate Level Classification Systems Using the Bird Swarm Algorithm. <i>Algorithms</i> , 2018 , 11, 206	1.8	27
470	A variant to the dynamic adaptation of parameters in galactic swarm optimization using a fuzzy logic augmentation 2018 ,		8
469	A Fuzzy Harmony Search Algorithm for the Optimization of a Benchmark Set of Functions. <i>Lecture Notes in Computer Science</i> , 2018 , 401-412	0.9	
468	A new variant of Fuzzy K-Nearest Neighbor using Interval Type-2 Fuzzy Logic 2018 ,		3
467	A New Method for Parameterization of General Type-2 Fuzzy Sets. <i>Fuzzy Information and Engineering</i> , 2018 , 10, 31-57	0.5	11
466	Fuzzy rule-based models with interactive rules and their granular generalization. <i>Fuzzy Sets and Systems</i> , 2017 , 307, 1-28	3.7	25
465	A fuzzy hierarchical operator in the grey wolf optimizer algorithm. <i>Applied Soft Computing Journal</i> , 2017 , 57, 315-328	7.5	131
464	Ant colony optimization with dynamic parameter adaptation based on interval type-2 fuzzy logic systems. <i>Applied Soft Computing Journal</i> , 2017 , 53, 74-87	7.5	123

463	Interval type-2 fuzzy logic for dynamic parameter adaptation in the bat algorithm. <i>Soft Computing</i> , 2017 , 21, 667-685	3.5	36
462	Flower Pollination Algorithm with Fuzzy Approach for Solving Optimization Problems. <i>Studies in Computational Intelligence</i> , 2017 , 357-369	0.8	10
461	Optimization of Type-2 and Type-1 Fuzzy Integrator to Ensemble Neural Network with Fuzzy Weights Adjustment. <i>Studies in Computational Intelligence</i> , 2017 , 39-61	0.8	2
460	Particle Swarm Optimization of the Fuzzy Integrators for Time Series Prediction Using Ensemble of IT2FNN Architectures. <i>Studies in Computational Intelligence</i> , 2017 , 141-158	0.8	6
459	Classification of Arrhythmias Using Modular Architecture of LVQ Neural Network and Type 2 Fuzzy Logic. <i>Studies in Computational Intelligence</i> , 2017 , 187-194	0.8	2
458	A Competitive Modular Neural Network for Long-Term Time Series Forecasting. <i>Studies in Computational Intelligence</i> , 2017 , 243-254	0.8	3
457	Particle Swarm Optimization of Ensemble Neural Networks with Type-1 and Type-2 Fuzzy Integration for the Taiwan Stock Exchange. <i>Studies in Computational Intelligence</i> , 2017 , 409-421	0.8	1
456	A New Hybrid PSO Method Applied to Benchmark Functions. <i>Studies in Computational Intelligence</i> , 2017 , 423-430	0.8	4
455	Choquet Integral and Interval Type-2 Fuzzy Choquet Integral for Edge Detection. <i>Studies in Computational Intelligence</i> , 2017 , 79-97	0.8	9
454	An Extension of the Fuzzy Possibilistic Clustering Algorithm Using Type-2 Fuzzy Logic Techniques. <i>Advances in Fuzzy Systems</i> , 2017 , 2017, 1-23	1.7	55
453	A Grey Wolf Optimizer for Modular Granular Neural Networks for Human Recognition. <i>Computational Intelligence and Neuroscience</i> , 2017 , 2017, 4180510	3	60
452	Comparison of T-Norms and S-Norms for Interval Type-2 Fuzzy Numbers in Weight Adjustment for Neural Networks. <i>Information (Switzerland)</i> , 2017 , 8, 114	2.6	9
451	Dynamic simultaneous adaptation of parameters in the grey wolf optimizer using fuzzy logic 2017 ,		3
450	Optimization of modular granular neural networks using a firefly algorithm for human recognition. <i>Engineering Applications of Artificial Intelligence</i> , 2017 , 64, 172-186	7.2	116
449	Fuzzy higher type information granules from an uncertainty measurement. <i>Granular Computing</i> , 2017 , 2, 95-103	5.4	57
448	Comparative study of the use of fuzzy logic in improving particle swarm optimization variants for mathematical functions using co-evolution. <i>Applied Soft Computing Journal</i> , 2017 , 52, 1070-1083	7.5	60
447	Iterative fireworks algorithm with fuzzy coefficients 2017 ,		4
446	Edge Detection Method Based on General Type-2 Fuzzy Logic Applied to Color Images. <i>Information (Switzerland)</i> , 2017 , 8, 104	2.6	13

445	New Methodology to Approximate Type-Reduction Based on a Continuous Root-Finding Karnik Mendel Algorithm. <i>Algorithms</i> , 2017 , 10, 77	1.8	45
444	Design of an Optimized Fuzzy Classifier for the Diagnosis of Blood Pressure with a New Computational Method for Expert Rule Optimization. <i>Algorithms</i> , 2017 , 10, 79	1.8	22
443	Optimization of Intelligent Controllers Using a Type-1 and Interval Type-2 Fuzzy Harmony Search Algorithm. <i>Algorithms</i> , 2017 , 10, 82	1.8	34
442	Fuzzy Fireworks Algorithm Based on a Sparks Dispersion Measure. <i>Algorithms</i> , 2017 , 10, 83	1.8	15
441	General Type-2 Fuzzy Edge Detection in the Preprocessing of a Face Recognition System. <i>Studies in Computational Intelligence</i> , 2017 , 3-18	0.8	10
440	A New Method Based on Modular Neural Network for Arterial Hypertension Diagnosis. <i>Studies in Computational Intelligence</i> , 2017 , 195-205	0.8	2
439	Comparison of Optimization Techniques for Modular Neural Networks Applied to Human Recognition. <i>Studies in Computational Intelligence</i> , 2017 , 225-241	0.8	6
438	Fireworks Algorithm (FWA) with Adaptation of Parameters Using Fuzzy Logic. <i>Studies in Computational Intelligence</i> , 2017 , 313-327	0.8	7
437	A Hybrid Intelligent System Model for Hypertension Diagnosis. <i>Studies in Computational Intelligence</i> , 2017 , 541-550	0.8	5
436	Neuro-Fuzzy Hybrid Model for the Diagnosis of Blood Pressure. <i>Studies in Computational Intelligence</i> , 2017 , 573-582	0.8	10
435	Non-singleton Interval Type-2 Fuzzy Systems as Integration Methods in Modular Neural Networks Used Genetic Algorithms to Design. <i>Studies in Computational Intelligence</i> , 2017 , 821-838	0.8	2
434	A Gravitational Search Algorithm Using Type-2 Fuzzy Logic for Parameter Adaptation. <i>Studies in Computational Intelligence</i> , 2017 , 127-138	0.8	4
433	Edge Detection Methods Based on Generalized Type-2 Fuzzy Logic. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2017 ,	0.4	6
432	Metrics for Edge Detection Methods. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2017 , 17-19	0.4	2
431	Generalized Type-2 Fuzzy Edge Detection Applied on a Face Recognition System. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2017 , 37-41	0.4	2
430	Water Cycle Algorithm with Fuzzy Logic for Dynamic Adaptation of Parameters. <i>Lecture Notes in Computer Science</i> , 2017 , 250-260	0.9	5
429	Edge Detection Methods Based on Generalized Type-2 Fuzzy Logic Systems. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2017 , 21-35	0.4	2
428	Interval Type-2 Fuzzy Logic for Parameter Adaptation in the Gravitational Search Algorithm. <i>Lecture Notes in Computer Science</i> , 2017 , 239-249	0.9	

427	An improved Particle Swarm Optimization algorithm applied to Benchmark Functions 2016,		5
426	Optimization with genetic algorithm and particle swarm optimization of type-2 fuzzy integrator for ensemble neural network in time series 2016,		3
425	2016,		1
424	Genetic algorithm and Particle Swarm Optimization of ensemble neural networks with type-1 and type-2 fuzzy integration for prediction of the Taiwan Stock Exchange 2016,		4
423	2016,		4
422	Ant colony optimization for the design of Modular Neural Networks in pattern recognition 2016,		5
421	PS 05-07 CLASSIFICATION OF BLOOD PRESSURE BASED ON A NEURO-FUZZY HYBRID COMPUTATIONAL MODEL. <i>Journal of Hypertension</i> , 2016 , 34, e143	1.9	2
420	PS 05-43 A HYBRID INTELLIGENT MODEL BASED ON MODULAR NEURAL NETWORK AND FUZZY LOGIC FOR HYPERTENSION RISK DIAGNOSIS. <i>Journal of Hypertension</i> , 2016 , 34, e153	1.9	6
419	OS 26-01 CLASSIFICATION OF ARTERIAL HYPERTENSION USING A COMPUTATIONAL MODEL BASED ON ARTIFICIAL MODULAR NEURAL NETWORKS. <i>Journal of Hypertension</i> , 2016 , 34, e247	1.9	3
418	Theory and Background. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2016 , 3-20	0.4	
417	New Backpropagation Algorithm with Type-2 Fuzzy Weights for Neural Networks. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2016 ,	0.4	1
416	Interval Type-2 Fuzzy Possibilistic C-Means Clustering Algorithm. <i>Studies in Fuzziness and Soft Computing</i> , 2016 , 185-194	0.7	5
415	Dynamic parameter adaptation in particle swarm optimization using interval type-2 fuzzy logic. <i>Soft Computing</i> , 2016 , 20, 1057-1070	3.5	93
414	An improved sobel edge detection method based on generalized type-2 fuzzy logic. <i>Soft Computing</i> , 2016 , 20, 773-784	3.5	120
413	Optimization of interval type-2 fuzzy systems for image edge detection. <i>Applied Soft Computing Journal</i> , 2016 , 47, 631-643	7.5	113
412	Ensemble Neural Network with Type-1 and Type-2 Fuzzy Integration for Time Series Prediction and Its Optimization with PSO. <i>Studies in Fuzziness and Soft Computing</i> , 2016 , 375-388	0.7	2
411	Background and Theory. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2016 , 5-11	0.4	1
410	Hierarchical Modular Granular Neural Networks with Fuzzy Aggregation. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2016 ,	0.4	4

409	Method for Higher Order polynomial Sugeno Fuzzy Inference Systems. <i>Information Sciences</i> , 2016 , 351, 76-89	7.7	14
408	Interval Type-2 Fuzzy System Design Based on the Interval Type-2 Fuzzy C-Means Algorithm. <i>Studies in Fuzziness and Soft Computing</i> , 2016 , 133-146	0.7	4
407	Optimization of type-2 fuzzy weights in backpropagation learning for neural networks using GAs and PSO. <i>Applied Soft Computing Journal</i> , 2016 , 38, 860-871	7.5	104
406	Modular Neural Network Preprocessing Procedure with Intuitionistic Fuzzy InterCriteria Analysis Method. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 175-186	0.4	15
405	Optimization by Cuckoo Search of Interval Type-2 Fuzzy Logic Systems for Edge Detection. <i>Studies in Fuzziness and Soft Computing</i> , 2016 , 141-154	0.7	3
404	A Neural Network with a Learning Vector Quantization Algorithm for Multiclass Classification Using a Modular Approach. <i>Studies in Fuzziness and Soft Computing</i> , 2016 , 171-184	0.7	1
403	Choquet Integral with Interval Type 2 Sugeno Measures as an Integration Method for Modular Neural Networks. <i>Studies in Fuzziness and Soft Computing</i> , 2016 , 71-86	0.7	1
402	Optimization of the LVQ Network Architectures with a Modular Approach for Arrhythmia Classification. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 267-274	0.4	
401	Proposed Method. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2016 , 13-36	0.4	
400	Problem Statement and Development. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2016 , 21-76	0.4	
399	Application to Human Recognition. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2016 , 37-40	0.4	
398	Genetic Optimization of Type-1 and Interval Type-2 Fuzzy Integrators in Ensembles of ANFIS Models for Time Series Prediction. <i>Studies in Fuzziness and Soft Computing</i> , 2016 , 331-351	0.7	
397	Optimization of Type-1 and Type-2 Fuzzy Systems Applied to Pattern Recognition. <i>Studies in Fuzziness and Soft Computing</i> , 2016 , 127-139	0.7	
396	Fuzzy Sets in Dynamic Adaptation of Parameters of a Bee Colony Optimization for Controlling the Trajectory of an Autonomous Mobile Robot. <i>Sensors</i> , 2016 , 16,	3.8	51
395	Quadrupedal Robot Locomotion: A Biologically Inspired Approach and Its Hardware Implementation. <i>Computational Intelligence and Neuroscience</i> , 2016 , 2016, 5615618	3	16
394	A New Fuzzy Harmony Search Algorithm Using Fuzzy Logic for Dynamic Parameter Adaptation. <i>Algorithms</i> , 2016 , 9, 69	1.8	47
393	Design of Ensemble Neural Networks for Predicting the US Dollar/MX Time Series with Particle Swarm Optimization. <i>Studies in Fuzziness and Soft Computing</i> , 2016 , 317-329	0.7	2
392	Comparison between Choquet and Sugeno integrals as aggregation operators for pattern recognition 2016 ,		5

391	2016,			1
390	Interval type-2 fuzzy logic gravitational search algorithm for the optimization of modular neural networks in echocardiogram recognition 2016,			2
389	A new metaheuristic based on the self-defense techniques of the plants in nature 2016,			3
388	Fuzzy FWA with dynamic adaptation of parameters 2016,			12
387	Comparison between Choquet and Sugeno integrals as aggregation operators for modular neural networks 2016,			7
386	Generalized type-2 fuzzy weight adjustment for backpropagation neural networks in time series prediction. <i>Information Sciences</i> , 2015 , 325, 159-174	7.7		44
385	Optimization of Ensemble Neural Networks with Fuzzy Integration Using the Particle Swarm Algorithm for Time Series Prediction. <i>Studies in Computational Intelligence</i> , 2015 , 171-184	0.8		1
384	Optimization of the Interval Type-2 Fuzzy Integrators in Ensembles of ANFIS Models for Time Series Prediction: Case of the Mexican Stock Exchange. <i>Studies in Computational Intelligence</i> , 2015 , 27-45	0.8		2
383	An Improved Particle Swarm Optimization Algorithm to Optimize Modular Neural Network Architectures. <i>Studies in Computational Intelligence</i> , 2015 , 155-162	0.8		1
382	Pattern Recognition with Modular Neural Networks and Type-2 Fuzzy Logic 2015 , 1509-1515			2
381	Fuzzy Controllers for Autonomous Mobile Robots 2015 , 1517-1531			1
380	Face Recognition with a Sobel Edge Detector and the Choquet Integral as Integration Method in a Modular Neural Networks. <i>Studies in Computational Intelligence</i> , 2015 , 59-70	0.8		8
379	Fuzzy logic in the gravitational search algorithm for the optimization of modular neural networks in pattern recognition. <i>Expert Systems With Applications</i> , 2015 , 42, 5839-5847	7.8		46
378	Short Remark on Fuzzy Sets, Interval Type-2 Fuzzy Sets, General Type-2 Fuzzy Sets and Intuitionistic Fuzzy Sets. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 183-190	0.4		13
377	Optimization of modular granular neural networks using a hierarchical genetic algorithm based on the database complexity applied to human recognition. <i>Information Sciences</i> , 2015 , 309, 73-101	7.7		42
376	Cuckoo search algorithm for the optimization of type-2 fuzzy image edge detection systems 2015,			17
375	2015,			4
374	Edge detection method based on Interval type-2 fuzzy systems for color images 2015,			5

373	A new Interval Type-2 Fuzzy Possibilistic C-Means clustering algorithm 2015 ,		6
372	Fuzzy logic in the gravitational search algorithm enhanced using fuzzy logic with dynamic alpha parameter value adaptation for the optimization of modular neural networks in echocardiogram recognition. <i>Applied Soft Computing Journal</i> , 2015 , 37, 245-254	7.5	27
371	Optimization of Reactive Fuzzy Controllers for Mobile Robots Based on the Chemical Reactions Algorithm. <i>Studies in Computational Intelligence</i> , 2015 , 253-266	0.8	1
370	Color Image Edge Detection Method Based on Interval Type-2 Fuzzy Systems. <i>Studies in Computational Intelligence</i> , 2015 , 3-11	0.8	3
369	Optimization of the LVQ Network Architecture with a Modular Approach for Arrhythmia Classification Using PSO. <i>Studies in Computational Intelligence</i> , 2015 , 119-126	0.8	2
368	A new approach for dynamic fuzzy logic parameter tuning in Ant Colony Optimization and its application in fuzzy control of a mobile robot. <i>Applied Soft Computing Journal</i> , 2015 , 28, 150-159	7.5	133
367	New approach using ant colony optimization with ant set partition for fuzzy control design applied to the ball and beam system. <i>Information Sciences</i> , 2015 , 294, 203-215	7.7	53
366	Introduction to an optimization algorithm based on the chemical reactions. <i>Information Sciences</i> , 2015 , 291, 85-95	7.7	13
365	A fuzzy cellular prey-predator model for pest control under sustainable bio-economic equilibrium: A formal description and simulation analysis study. <i>Applied Mathematical Modelling</i> , 2015 , 39, 1794-1803	4.5	3
364	A hybrid learning method composed by the orthogonal least-squares and the back-propagation learning algorithms for interval A2-C1 type-1 non-singleton type-2 TSK fuzzy logic systems. <i>Soft Computing</i> , 2015 , 19, 661-678	3.5	23
363	Response integration in modular neural networks using Choquet Integral with Interval type 2 Sugeno measures 2015 ,		4
362	Fuzzy Index to Evaluate Edge Detection in Digital Images. <i>PLoS ONE</i> , 2015 , 10, e0131161	3.7	13
361	Springer Handbook of Computational Intelligence 2015 ,		94
360	Evolutionary Indirect Design of Feed-Forward Spiking Neural Networks. <i>Studies in Computational Intelligence</i> , 2015 , 89-101	0.8	
359	Parallel Meta-heuristic Approaches to the Course Timetabling Problem. <i>Studies in Computational Intelligence</i> , 2015 , 391-417	0.8	1
358	Time Series Prediction Using Ensembles of ANFIS Models with Particle Swarm Optimization of the Fuzzy Integrators. <i>Lecture Notes in Computer Science</i> , 2015 , 472-483	0.9	2
357	Image Processing and Pattern Recognition with Interval Type-2 Fuzzy Inference Systems 2015 , 217-228		
356	Comparative Study of Particle Swarm Optimization Variants in Complex Mathematics Functions. <i>Studies in Computational Intelligence</i> , 2015 , 163-178	0.8	3

355	A Gravitational Search Algorithm for Optimization of Modular Neural Networks in Pattern Recognition. <i>Studies in Computational Intelligence</i> , 2015 , 127-137	0.8	2
354	Fuzzy System Optimization Using a Hierarchical Genetic Algorithm Applied to Pattern Recognition. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 713-720	0.4	6
353	Comparison of Neural Networks with Different Membership Functions in the Type-2 Fuzzy Weights. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 707-713	0.4	3
352	Modular Neural Networks for Time Series Prediction Using Type-1 Fuzzy Logic Integration. <i>Studies in Computational Intelligence</i> , 2015 , 141-154	0.8	6
351	Ensemble Neural Network Optimization Using the Particle Swarm Algorithm with Type-1 and Type-2 Fuzzy Integration for Time Series Prediction. <i>Studies in Computational Intelligence</i> , 2015 , 139-149	0.8	1
350	Neural Network with Fuzzy Weights Using Type-1 and Type-2 Fuzzy Learning for the Dow-Jones Time Series. <i>Studies in Computational Intelligence</i> , 2015 , 73-87	0.8	
349	An Efficient Representation Scheme of Candidate Solutions for the Master Bay Planning Problem. <i>Studies in Computational Intelligence</i> , 2015 , 441-453	0.8	1
348	Left Ventricular Border Recognition in Echocardiographic Images Using Modular Neural Networks and Sugeno Integral Measures. <i>Studies in Computational Intelligence</i> , 2015 , 163-169	0.8	
347	Design of a Fuzzy System for Diagnosis of Hypertension. <i>Studies in Computational Intelligence</i> , 2015 , 517-526	0.8	7
346	Design of an Optimal Modular LVQ Network for Classification of Arrhythmias Based on a Variable Training-Test Datasets Strategy. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 369-375	0.4	
345	Application of interval type-2 fuzzy neural networks in non-linear identification and time series prediction. <i>Soft Computing</i> , 2014 , 18, 1213-1224	3.5	75
344	A review on type-2 fuzzy logic applications in clustering, classification and pattern recognition. <i>Applied Soft Computing Journal</i> , 2014 , 21, 568-577	7.5	174
343	A review on interval type-2 fuzzy logic applications in intelligent control. <i>Information Sciences</i> , 2014 , 279, 615-631	7.7	172
342	Recent Advances on Hybrid Approaches for Designing Intelligent Systems. <i>Studies in Computational Intelligence</i> , 2014 ,	0.8	6
341	Hybrid back-propagation training with evolutionary strategies. <i>Soft Computing</i> , 2014 , 18, 1603-1614	3.5	6
340	Embedded Average of an Interval Type-2 Fuzzy Systems for Applications in FPGAs. <i>Intelligent Automation and Soft Computing</i> , 2014 , 20, 183-199	2.6	3
339	Optimization of Ensemble Neural Networks with Type-2 Fuzzy Integration of Responses for the Dow Jones Time Series Prediction. <i>Intelligent Automation and Soft Computing</i> , 2014 , 20, 403-418	2.6	11
338	Implementing flower multi-objective algorithm for selection of university academic credits 2014 ,		7

337	2014,		7
336	Optimization of interval type-2 fuzzy integrators in ensembles of ANFIS models for prediction of the Mackey-Glass time series 2014,		6
335	Optimization of ensemble neural networks with fuzzy integration using the particle swarm algorithm for the US Dollar/MX time series prediction 2014,		1
334	Optimal design of interval type 2 fuzzy controllers based on a simple tuning algorithm. <i>Applied Soft Computing Journal</i> , 2014 , 23, 270-285	7.5	32
333	A new neural network model based on the LVQ algorithm for multi-class classification of arrhythmias. <i>Information Sciences</i> , 2014 , 279, 483-497	7.7	93
332	Edge-Detection Method for Image Processing Based on Generalized Type-2 Fuzzy Logic. <i>IEEE Transactions on Fuzzy Systems</i> , 2014 , 22, 1515-1525	8.3	180
331	Interval type-2 fuzzy weight adjustment for backpropagation neural networks with application in time series prediction. <i>Information Sciences</i> , 2014 , 260, 1-14	7.7	100
330	Optimization of modular granular neural networks using hierarchical genetic algorithms for human recognition using the ear biometric measure. <i>Engineering Applications of Artificial Intelligence</i> , 2014 , 27, 41-56	7.2	77
329	Modular Neural Networks architecture optimization with a new nature inspired method using a fuzzy combination of Particle Swarm Optimization and Genetic Algorithms. <i>Information Sciences</i> , 2014 , 270, 143-153	7.7	71
328	Optimization of the type-1 and interval type-2 fuzzy integrators in Ensembles of ANFIS models for prediction of the Dow Jones time series 2014,		2
327	Shipwrecked on Fear: Selection of Electives in School Minorities in a University Using Cuckoo Search Algorithm. <i>Studies in Computational Intelligence</i> , 2014 , 139-150	0.8	3
326	Chemical Optimization Algorithm for Fuzzy Controller Design. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2014 ,	0.4	7
325	The Proposed Chemical Reaction Algorithm. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2014 , 13-184		
324	Time series prediction using ensembles of ANFIS models with genetic optimization of interval type-2 and type-1 fuzzy integrators. <i>International Journal of Hybrid Intelligent Systems</i> , 2014 , 11, 211-226 ^{0.9}		45
323	Comparative Study of Social Network Structures in PSO. <i>Studies in Computational Intelligence</i> , 2014 , 239-254		1
322	A multi-objective optimization of type-2 fuzzy control speed in FPGAs. <i>Applied Soft Computing Journal</i> , 2014 , 24, 1164-1174	7.5	25
321	Genetic Optimization of Type-2 Fuzzy Integrators in Ensembles of ANFIS Models for Time Series Prediction. <i>Studies in Computational Intelligence</i> , 2014 , 79-97	0.8	1
320	Hierarchical Genetic Algorithms for Type-2 Fuzzy System Optimization Applied to Pattern Recognition and Fuzzy Control. <i>Studies in Computational Intelligence</i> , 2014 , 19-35	0.8	3

319	Face Recognition with Choquet Integral in Modular Neural Networks. <i>Studies in Computational Intelligence</i> , 2014 , 437-449	0.8	6
318	Hierarchical Genetic Algorithms for Fuzzy Inference System Optimization Applied to Response Integration for Pattern Recognition. <i>Lecture Notes in Computer Science</i> , 2014 , 345-356	0.9	
317	Neural Network with Fuzzy Weights Using Type-1 and Type-2 Fuzzy Learning with Gaussian Membership Functions. <i>Studies in Computational Intelligence</i> , 2014 , 51-65	0.8	
316	Developing Architectures of Spiking Neural Networks by Using Grammatical Evolution Based on Evolutionary Strategy. <i>Lecture Notes in Computer Science</i> , 2014 , 71-80	0.9	2
315	Toolbox for bio-inspired optimization of mathematical functions. <i>Computer Applications in Engineering Education</i> , 2014 , 22, 11-22	1.6	5
314	Fuzzy granular gravitational clustering algorithm for multivariate data. <i>Information Sciences</i> , 2014 , 279, 498-511	7.7	100
313	A survey on nature-inspired optimization algorithms with fuzzy logic for dynamic parameter adaptation. <i>Expert Systems With Applications</i> , 2014 , 41, 6459-6466	7.8	97
312	Particle swarm optimization of ensemble neural networks with fuzzy aggregation for time series prediction of the Mexican Stock Exchange. <i>Information Sciences</i> , 2014 , 280, 188-204	7.7	86
311	Optimization of Modular Neural Networks with the LVQ Algorithm for Classification of Arrhythmias Using Particle Swarm Optimization. <i>Studies in Computational Intelligence</i> , 2014 , 307-314	0.8	3
310	Chemical Optimization Method for Modular Neural Networks Applied in Emotion Classification. <i>Studies in Computational Intelligence</i> , 2014 , 381-390	0.8	5
309	Comparing Metaheuristic Algorithms on the Training Process of Spiking Neural Networks. <i>Studies in Computational Intelligence</i> , 2014 , 391-403	0.8	3
308	Theory and Background. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2014 , 5-9	0.4	
307	Simulation Results. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2014 , 27-56	0.4	
306	Application Problems. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2014 , 19-26	0.4	
305	A Loading Procedure for the Containership Stowage Problem. <i>Studies in Computational Intelligence</i> , 2014 , 543-554	0.8	2
304	Chemical Definitions. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2014 , 11-12	0.4	
303	A Hybrid Method Combining Modular Neural Networks with Fuzzy Integration for Human Identification Based on Hand Geometric Information. <i>Studies in Computational Intelligence</i> , 2014 , 405-425	0.8	
302	Ensemble Neural Network Optimization Using the Particle Swarm Algorithm with Type-1 and Type-2 Fuzzy Integration for Time Series Prediction. <i>Studies in Computational Intelligence</i> , 2014 , 99-112	0.8	

301	Characterization of the Optimization Process. <i>Studies in Computational Intelligence</i> , 2014 , 493-507	0.8	1
300	Nature-Inspired Optimization of Type-2 Fuzzy Systems. <i>Lecture Notes in Computer Science</i> , 2014 , 331-344.	0.9	0
299	Echocardiogram Image Recognition Using Neural Networks. <i>Studies in Computational Intelligence</i> , 2014 , 427-435	0.8	1
298	A visual toolbox for modeling and testing multi-net neural systems. <i>Computer Applications in Engineering Education</i> , 2013 , 21, 164-184	1.6	1
297	Ant colony test center for planning autonomous mobile robot navigation. <i>Computer Applications in Engineering Education</i> , 2013 , 21, 214-229	1.6	29
296	Computational intelligence software for interval type-2 fuzzy logic. <i>Computer Applications in Engineering Education</i> , 2013 , 21, 737-747	1.6	12
295	Optimization of interval type-2 and type-1 fuzzy integrators in ensembles of ANFIS models with Genetic Algorithms 2013 ,		1
294	A new approach for time series prediction using ensembles of ANFIS models with interval type-2 and type-1 fuzzy integrators 2013 ,		9
293	A new approach based on generalized type-2 fuzzy logic for edge detection 2013 ,		3
292	Improving the Performance of Heuristic Algorithms Based on Exploratory Data Analysis. <i>Studies in Computational Intelligence</i> , 2013 , 361-375	0.8	3
291	Modular granular neural networks optimization with Multi-Objective Hierarchical Genetic Algorithm for human recognition based on iris biometric 2013 ,		10
290	Neural Network with Type-2 Fuzzy Weights Adjustment for Pattern Recognition of the Human Iris Biometrics. <i>Lecture Notes in Computer Science</i> , 2013 , 259-270	0.9	10
289	Type-2 Fuzzy Weight Adjustment for Backpropagation in Prediction Time Series and Pattern Recognition. <i>Studies in Fuzziness and Soft Computing</i> , 2013 , 187-213	0.7	1
288	A new gravitational search algorithm using fuzzy logic to parameter adaptation 2013 ,		60
287	Time series prediction using ensembles of neuro-fuzzy models with interval type-2 and type-1 fuzzy integrators 2013 ,		4
286	Generalized type-2 fuzzy logic in response integration of modular neural networks 2013 ,		5
285	Nature inspired chemical optimization to design a type-2 fuzzy controller for a mobile robot 2013 ,		3
284	Neural network with lower and upper type-2 fuzzy weights using the backpropagation learning method 2013 ,		3

283	Optimization of type-2 fuzzy integration in ensemble neural networks for predicting the US Dolar/MX pesos time series 2013 ,		7
282	Optimization of ensemble neural networks with type-2 fuzzy response integration for predicting the Mackey-Glass time series 2013 ,		1
281	Particle swarm optimization of interval type-2 fuzzy systems for FPGA applications. <i>Applied Soft Computing Journal</i> , 2013 , 13, 496-508	7.5	121
280	Optimal design of type-2 and type-1 fuzzy tracking controllers for autonomous mobile robots under perturbed torques using a new chemical optimization paradigm. <i>Expert Systems With Applications</i> , 2013 , 40, 3185-3195	7.8	112
279	Modular Neural Networks Optimization with Hierarchical Genetic Algorithms with Fuzzy Response Integration for Pattern Recognition. <i>Lecture Notes in Computer Science</i> , 2013 , 247-258	0.9	3
278	Interval Type-2 Fuzzy Logic in Hybrid Neural Pattern Recognition Systems. <i>Studies in Fuzziness and Soft Computing</i> , 2013 , 435-439	0.7	1
277	Optimization of a Fuzzy Tracking Controller for an Autonomous Mobile Robot under Perturbed Torques by Means of a Chemical Optimization Paradigm. <i>Studies in Computational Intelligence</i> , 2013 , 3-20	0.8	12
276	Parallel Particle Swarm Optimization with Parameters Adaptation Using Fuzzy Logic. <i>Lecture Notes in Computer Science</i> , 2013 , 374-385	0.9	15
275	Optimal design of fuzzy classification systems using PSO with dynamic parameter adaptation through fuzzy logic. <i>Expert Systems With Applications</i> , 2013 , 40, 3196-3206	7.8	195
274	A review on the applications of type-2 fuzzy logic in classification and pattern recognition. <i>Expert Systems With Applications</i> , 2013 , 40, 5413-5423	7.8	111
273	A New Method for Type-2 Fuzzy Integration in Ensemble Neural Networks Based on Genetic Algorithms. <i>Studies in Computational Intelligence</i> , 2013 , 173-182	0.8	6
272	A Hand Geometry Biometric Identification System Utilizing Modular Neural Networks with Fuzzy Integration. <i>Studies in Computational Intelligence</i> , 2013 , 183-199	0.8	
271	Type-2 Fuzzy Logic in Image Analysis and Pattern Recognition. <i>Studies in Fuzziness and Soft Computing</i> , 2013 , 187-201	0.7	
270	Particle Swarm Optimization for Average Approximation of Interval Type-2 Fuzzy Inference Systems Design in FPGAs for Real Applications. <i>Studies in Computational Intelligence</i> , 2013 , 33-49	0.8	10
269	An edge detection method based on generalized type-2 fuzzy logic 2013 ,		2
268	Backpropagation learning method with interval type-2 fuzzy weights in neural networks 2013 ,		1
267	Optimization of Interval Type-2 and Type-1 Fuzzy Integrators in Ensembles of ANFIS Models with Genetic Algorithms 2013 ,		1
266	Optimization of type-2 fuzzy weight for neural network using genetic algorithm and particle swarm optimization 2013 ,		8

265	An Ant Colony Algorithm for Improving Ship Stability in the Containership Stowage Problem. <i>Lecture Notes in Computer Science</i> , 2013 , 93-104	0.9	7
264	Genetic optimization of interval type-2 fuzzy reactive controllers for mobile robots 2013 ,		3
263	Universal Approximation of a Class of Interval Type-2 Fuzzy Neural Networks in Nonlinear Identification. <i>Advances in Fuzzy Systems</i> , 2013 , 2013, 1-16	1.7	17
262	Genetic Optimization of Type-2 Fuzzy Weight Adjustment for Backpropagation in Ensemble Neural Network. <i>Studies in Computational Intelligence</i> , 2013 , 159-171	0.8	6
261	Development of an Automatic Method for Classification of Signatures in a Recognition System Based on Modular Neural Networks. <i>Studies in Computational Intelligence</i> , 2013 , 201-210	0.8	2
260	Comparative Study of Particle Swarm Optimization Variants in Complex Mathematics Functions. <i>Studies in Computational Intelligence</i> , 2013 , 223-235	0.8	6
259	Bio-inspired Optimization Methods on Graphic Processing Unit for Minimization of Complex Mathematical Functions. <i>Studies in Computational Intelligence</i> , 2013 , 313-322	0.8	18
258	Constructive Algorithm for a Benchmark in Ship Stowage Planning. <i>Studies in Computational Intelligence</i> , 2013 , 393-408	0.8	8
257	Multi-Objective Hierarchical Genetic Algorithm for Modular Neural Network Optimization Using a Granular Approach. <i>Studies in Computational Intelligence</i> , 2013 , 107-120	0.8	2
256	Optimization of Type-2 and Type-1 Fuzzy Tracking Controllers for an Autonomous Mobile Robot under Perturbed Torques by Means of a Chemical Optimization Paradigm. <i>Studies in Fuzziness and Soft Computing</i> , 2013 , 3-26	0.7	3
255	Multi-Objective Hierarchical Genetic Algorithm for Modular Granular Neural Network Optimization. <i>Studies in Fuzziness and Soft Computing</i> , 2013 , 157-185	0.7	4
254	Comparative Study of Type-1 and Type-2 Fuzzy Systems for the Three-Tank Water Control Problem. <i>Lecture Notes in Computer Science</i> , 2013 , 362-373	0.9	7
253	Bio-inspired Optimization of Interval Type-2 Fuzzy Controllers. <i>Studies in Fuzziness and Soft Computing</i> , 2013 , 241-254	0.7	
252	Interval Type-2 Fuzzy System for Image Edge Detection Quality Evaluation Applied to Synthetic and Real Images. <i>Studies in Computational Intelligence</i> , 2013 , 147-157	0.8	
251	Architecture of Modular Neural Network in Pattern Recognition. <i>Studies in Computational Intelligence</i> , 2013 , 211-219	0.8	
250	Particle Swarm Optimization for Multi-objective Control Design Using AT2-FLC in FPGA Device. <i>Studies in Fuzziness and Soft Computing</i> , 2013 , 97-124	0.7	
249	Comparative study of bio-inspired algorithms applied to the optimization of type-1 and type-2 fuzzy controllers for an autonomous mobile robot. <i>Information Sciences</i> , 2012 , 192, 19-38	7.7	202
248	Genetic optimization of modular neural networks with fuzzy response integration for human recognition. <i>Information Sciences</i> , 2012 , 197, 1-19	7.7	91

247	Hybrid intelligent system for cardiac arrhythmia classification with Fuzzy K-Nearest Neighbors and neural networks combined with a fuzzy system. <i>Expert Systems With Applications</i> , 2012 , 39, 2947-2955	7.8	77
246	A new approach for time series prediction using ensembles of ANFIS models. <i>Expert Systems With Applications</i> , 2012 , 39, 3494-3506	7.8	125
245	An optimization method for designing type-2 fuzzy inference systems based on the footprint of uncertainty using genetic algorithms. <i>Expert Systems With Applications</i> , 2012 , 39, 4590-4598	7.8	109
244	2012 ,		3
243	Optimization of type-2 fuzzy systems based on bio-inspired methods: A concise review. <i>Information Sciences</i> , 2012 , 205, 1-19	7.7	140
242	Recent Advances in Interval Type-2 Fuzzy Systems. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2012 ,	0.4	16
241	Particle Swarm Optimization in the Design of Type-2 Fuzzy Systems. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2012 , 27-31	0.4	1
240	Nature optimization applied to design a type-2 fuzzy controller for an autonomous mobile robot 2012 ,		10
239	Type-2 Fuzzy Logic Systems. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2012 , 7-12	0.4	14
238	Bio-Inspired Optimization Methods. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2012 , 13-18	0.4	
237	2012 ,		5
236	Interval type-2 fuzzy integral to improve the performance of edge detectors based on the gradient measure 2012 ,		2
235	Modular Neural Networks and Type-2 Fuzzy Systems for Pattern Recognition. <i>Studies in Computational Intelligence</i> , 2012 ,	0.8	20
234	Embedding a high speed interval type-2 fuzzy controller for a real plant into an FPGA. <i>Applied Soft Computing Journal</i> , 2012 , 12, 988-998	7.5	78
233	A review on the design and optimization of interval type-2 fuzzy controllers. <i>Applied Soft Computing Journal</i> , 2012 , 12, 1267-1278	7.5	257
232	Other Methods for Optimization of Type-2 Fuzzy Systems. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2012 , 37-43	0.4	
231	Backpropagation method with type-2 fuzzy weight adjustment for neural network learning 2012 ,		5
230	Optimization of type-2 fuzzy integration in ensemble neural networks for predicting the Dow Jones time series 2012 ,		5

229	Methodology to Optimize Manufacturing Time for a CNC Using a High Performance Implementation of ACO. <i>International Journal of Advanced Robotic Systems</i> , 2012 , 9, 121	1.4	7
228	Genetic Optimization of Neural Networks for Person Recognition based on the Iris. <i>TELKOMNIKA Indonesian Journal of Electrical Engineering</i> , 2012 , 10,		2
227	Genetic Optimization of Neural Networks for Person Recognition Based on the Iris. <i>Telkomnika (Telecommunication Computing Electronics and Control)</i> , 2012 , 10, 309	1.4	5
226	Image Processing and Pattern Recognition with Mamdani Interval Type-2 Fuzzy Inference Systems. <i>Studies in Fuzziness and Soft Computing</i> , 2012 , 179-190	0.7	6
225	Overview of Genetic Algorithms Applied in the Optimization of Type-2 Fuzzy Systems. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2012 , 19-25	0.4	2
224	Ant Colony Optimization Algorithms for the Design of Type-2 Fuzzy Systems. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2012 , 33-35	0.4	2
223	Genetic Optimization of Interval Type-2 Fuzzy Systems for Hardware Implementation on FPGAs. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2012 , 63-84	0.4	1
222	Heuristic Algorithms 2012 , 238-267		
221	Simulation Results Illustrating the Optimization of Type-2 Fuzzy Controllers. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2012 , 45-62	0.4	
220	Optimization of Fuzzy Logic Controllers for Robotic Autonomous Systems with PSO and ACO. <i>Adaptation, Learning, and Optimization</i> , 2011 , 389-417	0.7	1
219	Intelligent Control of Nonlinear Dynamic Plants Using a Hierarchical Modular Approach and Type-2 Fuzzy Logic. <i>Lecture Notes in Computer Science</i> , 2011 , 1-12	0.9	17
218	2011 ,		1
217	Genetic optimization of ensemble neural networks for complex time series prediction 2011 ,		18
216	Face Recognition With an Improved Interval Type-2 Fuzzy Logic Sugeno Integral and Modular Neural Networks. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2011 , 41, 1001-1012		92
215	Design of interval type-2 fuzzy models through optimal granularity allocation. <i>Applied Soft Computing Journal</i> , 2011 , 11, 5590-5601	7.5	99
214	Optimization of interval type-2 fuzzy logic controllers using evolutionary algorithms. <i>Soft Computing</i> , 2011 , 15, 1145-1160	3.5	102
213	Simulation of the bird age-structured population growth based on an interval type-2 fuzzy cellular structure. <i>Information Sciences</i> , 2011 , 181, 519-535	7.7	80
212	Design of fuzzy systems using a new chemical optimization paradigm 2011 ,		1

211	Parallel genetic algorithms for optimization of Modular Neural Networks in pattern recognition 2011,		12
210	Hierarchical genetic algorithms for optimal type-2 fuzzy system design 2011,		6
209	An improved evolutionary method with fuzzy logic for combining Particle Swarm Optimization and Genetic Algorithms. <i>Applied Soft Computing Journal</i> , 2011 , 11, 2625-2632	7.5	162
208	A new validation index for fuzzy clustering and its comparisons with other methods 2011,		5
207	How many neurons? 2011,		1
206	MODELLING AND SIMULATION OF THE DEFUZZIFICATION STAGE OF A TYPE-2 FUZZY CONTROLLER USING VHDL CODE. <i>Control and Intelligent Systems</i> , 2011 , 39,		11
205	Estimating Classifier Performance with Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2011 , 274-285	0.9	2
204	Bio-Inspired Optimization Methods for Minimization of Complex Mathematical Functions. <i>Lecture Notes in Computer Science</i> , 2011 , 131-142	0.9	2
203	Modular Neural Networks with Type-2 Fuzzy Integration for Pattern Recognition of Iris Biometric Measure. <i>Lecture Notes in Computer Science</i> , 2011 , 363-373	0.9	3
202	Comparative Study of Fuzzy Information Processing in Type-2 Fuzzy Systems. <i>Intelligent Systems Reference Library</i> , 2011 , 75-93	0.8	
201	A New Model of Modular Neural Networks with Fuzzy Granularity for Pattern Recognition and Its Optimization with Hierarchical Genetic Algorithms. <i>Lecture Notes in Computer Science</i> , 2011 , 331-342	0.9	2
200	Fuzzy Logic Controllers Optimization Using Genetic Algorithms and Particle Swarm Optimization. <i>Lecture Notes in Computer Science</i> , 2010 , 475-486	0.9	12
199	Type-2 Fuzzy Inference System Optimization Based on the Uncertainty of Membership Functions Applied to Benchmark Problems. <i>Lecture Notes in Computer Science</i> , 2010 , 454-464	0.9	2
198	Evolutionary optimization of type-2 fuzzy systems based on the level of uncertainty 2010,		3
197	Backpropagation learning with a (1+1) ES 2010,		2
196	Modular neural network integrator for human recognition from ear images 2010,		13
195	Neural networks recognition rate as index to compare the performance of fuzzy edge detectors 2010,		5
194	Method for Obstacle Detection and Map Reconfiguration in Wheeled Mobile Robotics. <i>Studies in Computational Intelligence</i> , 2010 , 423-441	0.8	

193	Modular Neural Network with Fuzzy Integration and Its Optimization Using Genetic Algorithms for Human Recognition Based on Iris, Ear and Voice Biometrics. <i>Studies in Computational Intelligence</i> , 2010 , 85-102	0.8	22
192	Modular neural networks for person recognition using segmentation and the iris biometric measurement with image pre-processing 2010 ,		4
191	Optimization of Membership Functions for an Incremental Fuzzy PD Control Based on Genetic Algorithms. <i>Studies in Computational Intelligence</i> , 2010 , 195-211	0.8	5
190	Optimal Design of Type-2 Fuzzy Membership Functions Using Genetic Algorithms in a Partitioned Search Space 2010 ,		8
189	Fuzzy control of parameters to dynamically adapt the PSO and GA Algorithms 2010 ,		19
188	Interval Type-2 Fuzzy Logic Applications in Image Processing and Pattern Recognition 2010 ,		7
187	Evolutionary method combining Particle Swarm Optimisation and Genetic Algorithms using fuzzy logic for parameter adaptation and aggregation: the case neural network optimisation for face recognition. <i>International Journal of Artificial Intelligence and Soft Computing</i> , 2010 , 2, 77	0.1	13
186	Ensemble neural networks with fuzzy logic integration for complex time series prediction. <i>International Journal of Intelligent Engineering Informatics</i> , 2010 , 1, 89	0.3	7
185	Bio-inspired Optimization of Fuzzy Logic Controllers for Robotic Autonomous Systems with PSO and ACO. <i>Fuzzy Information and Engineering</i> , 2010 , 2, 119-143	0.5	3
184	An improved method for edge detection based on interval type-2 fuzzy logic. <i>Expert Systems With Applications</i> , 2010 , 37, 8527-8535	7.8	113
183	Embedding a KM Type Reducer for High Speed Fuzzy Controller into an FPGA. <i>Advances in Intelligent and Soft Computing</i> , 2010 , 217-228		2
182	Real Time Face Identification Using a Neural Network Approach. <i>Studies in Computational Intelligence</i> , 2010 , 155-169	0.8	9
181	Comparative Study of Feature Extraction Methods of Fuzzy Logic Type 1 and Type-2 for Pattern Recognition System Based on the Mean Pixels. <i>Studies in Computational Intelligence</i> , 2010 , 171-188	0.8	6
180	A New Evolutionary Method with Particle Swarm Optimization and Genetic Algorithms Using Fuzzy Systems to Dynamically Parameter Adaptation. <i>Studies in Computational Intelligence</i> , 2010 , 225-243	0.8	2
179	A New Optimization Method Based on a Paradigm Inspired by Nature. <i>Studies in Computational Intelligence</i> , 2010 , 277-283	0.8	8
178	Parallel Genetic Algorithms for Architecture Optimization of Neural Networks for Pattern Recognition. <i>Studies in Computational Intelligence</i> , 2010 , 303-315	0.8	3
177	Comparison of Fuzzy Edge Detectors Based on the Image Recognition Rate as Performance Index Calculated with Neural Networks. <i>Studies in Computational Intelligence</i> , 2010 , 389-399	0.8	11
176	Modular Neural Network for Human Recognition from Ear Images Using Wavelets. <i>Studies in Computational Intelligence</i> , 2010 , 121-135	0.8	6

175	Modular Neural Networks for Person Recognition Using the Contour Segmentation of the Human Iris Biometric Measurement. <i>Studies in Computational Intelligence</i> , 2010 , 137-153	0.8	7
174	Fuzzy Control for Dynamical Parameter Adaptation in a Parallel Evolutionary Method Combining Particle Swarm Optimization and Genetic Algorithms. <i>Studies in Computational Intelligence</i> , 2010 , 161-178	0.8	3
173	An Interval Type-2 Fuzzy Neural Network for Chaotic Time Series Prediction with Cross-Validation and Akaike Test. <i>Studies in Computational Intelligence</i> , 2010 , 269-285	0.8	19
172	Fuzzy Logic for Parameter Tuning in Evolutionary Computation and Bio-inspired Methods. <i>Lecture Notes in Computer Science</i> , 2010 , 465-474	0.9	10
171	Improvement of the Backpropagation Algorithm Using (1+1) Evolutionary Strategies. <i>Studies in Computational Intelligence</i> , 2010 , 287-302	0.8	
170	Intelligent Method for Contrast Enhancement in Digital Video. <i>Studies in Computational Intelligence</i> , 2010 , 401-422	0.8	
169	Simple Tuning of Type-2 Fuzzy Controllers. <i>Studies in Computational Intelligence</i> , 2010 , 103-123	0.8	
168	Comparative Study of Type-2 Fuzzy Inference System Optimization Based on the Uncertainty of Membership Functions. <i>Studies in Computational Intelligence</i> , 2010 , 103-120	0.8	1
167	Optimization of type-2 fuzzy logic controllers for mobile robots using evolutionary methods 2009 ,		13
166	A hybrid approach with the wavelet transform, modular neural networks and fuzzy integrals for face and fingerprint recognition 2009 ,		1
165	Face, Fingerprint and Voice Recognition with Modular Neural Networks and Fuzzy Integration. <i>Studies in Computational Intelligence</i> , 2009 , 69-79	0.8	6
164	Preface to the special issue on analysis and design of hybrid intelligent systems. <i>International Journal of Intelligent Systems</i> , 2009 , 24, 1077-1079	8.4	1
163	Interval type-2 fuzzy logic for edges detection in digital images. <i>International Journal of Intelligent Systems</i> , 2009 , 24, 1115-1133	8.4	39
162	Development of Modular Neural Networks with Fuzzy Logic Response Integration for Signature Recognition. <i>Fuzzy Information and Engineering</i> , 2009 , 1, 345-355	0.5	
161	Path planning for autonomous mobile robot navigation with ant colony optimization and fuzzy cost function evaluation. <i>Applied Soft Computing Journal</i> , 2009 , 9, 1102-1110	7.5	253
160	Type-1 and type-2 fuzzy inference systems as integration methods in modular neural networks for multimodal biometry and its optimization with genetic algorithms. <i>Information Sciences</i> , 2009 , 179, 2123-2145	7.7	70
159	A hybrid learning algorithm for a class of interval type-2 fuzzy neural networks. <i>Information Sciences</i> , 2009 , 179, 2175-2193	7.7	215
158	A hybrid approach for image recognition combining type-2 fuzzy logic, modular neural networks and the Sugeno integral. <i>Information Sciences</i> , 2009 , 179, 2078-2101	7.7	62

157	Interval type-2 fuzzy logic and modular neural networks for face recognition applications. <i>Applied Soft Computing Journal</i> , 2009 , 9, 1377-1387	7.5	73
156	Evolutionary method combining particle swarm optimization and genetic algorithms using fuzzy logic for decision making 2009 ,		55
155	Intelligence techniques are needed to further enhance the advantage of groups with diversity in problem solving 2009 ,		7
154	Comparative study of fuzzy methods for response integration in ensemble neural networks. <i>International Journal of Advanced Intelligence Paradigms</i> , 2009 , 1, 291	0.5	
153	Interval Type-2 Fuzzy Logic Applications. <i>Studies in Computational Intelligence</i> , 2009 , 203-231	0.8	
152	Soft Computing Models for Intelligent Control of Non-linear Dynamical Systems. <i>Studies in Computational Intelligence</i> , 2009 , 43-70	0.8	2
151	An Ensemble Neural Network Architecture with Fuzzy Response Integration for Complex Time Series Prediction. <i>Studies in Computational Intelligence</i> , 2009 , 85-110	0.8	10
150	Optimization of Fuzzy Response Integrators in Modular Neural Networks with Hierarchical Genetic Algorithms: The Case of Face, Fingerprint and Voice Recognition. <i>Studies in Computational Intelligence</i> , 2009 , 111-129	0.8	6
149	Optimization of Modular Neural Networks with Interval Type-2 Fuzzy Logic Integration Using an Evolutionary Method with Application to Multimodal Biometry. <i>Studies in Computational Intelligence</i> , 2009 , 111-121	0.8	3
148	Optimization of Type-2 Fuzzy Integration in Modular Neural Networks Using an Evolutionary Method with Applications in Multimodal Biometry. <i>Lecture Notes in Computer Science</i> , 2009 , 454-465	0.9	9
147	Modular Neural Networks with Fuzzy Response Integration for Signature Recognition. <i>Studies in Computational Intelligence</i> , 2009 , 81-91	0.8	2
146	A Modular Neural Network with Fuzzy Response Integration for Person Identification Using Biometric Measures. <i>Studies in Computational Intelligence</i> , 2009 , 159-183	0.8	
145	Comparative Study of Fuzzy Methods for Response Integration in Ensemble Neural Networks for Pattern Recognition. <i>Studies in Computational Intelligence</i> , 2009 , 123-140	0.8	2
144	Modular Neural Networks Architecture Optimization with a New Evolutionary Method Using a Fuzzy Combination Particle Swarm Optimization and Genetic Algorithms. <i>Studies in Computational Intelligence</i> , 2009 , 199-213	0.8	2
143	Modular Neural Network with Fuzzy Integration of Responses for Face Recognition. <i>Studies in Computational Intelligence</i> , 2009 , 131-158	0.8	
142	Signature Recognition with a Hybrid Approach Combining Modular Neural Networks and Fuzzy Logic for Response Integration. <i>Studies in Computational Intelligence</i> , 2009 , 185-201	0.8	1
141	Intelligent Hybrid System for Person Identification Using Biometric Measures and Modular Neural Networks with Fuzzy Integration of Responses. <i>Studies in Computational Intelligence</i> , 2009 , 93-109	0.8	
140	Fuzzy Logic for Combining Particle Swarm Optimization and Genetic Algorithms: Preliminary Results. <i>Lecture Notes in Computer Science</i> , 2009 , 444-453	0.9	1

139	Fingerprint recognition using the fuzzy Sugeno integral for response integration in modular neural networks. <i>International Journal of General Systems</i> , 2008 , 37, 499-515	2.1	8
138	Type-2 Fuzzy Logic: Theory and Applications. <i>Studies in Fuzziness and Soft Computing</i> , 2008 ,	0.7	231
137	Interval type-2 fuzzy inference systems as integration methods in modular neural networks for multimodal biometry and its optimisation with genetic algorithms. <i>International Journal of Biometrics</i> , 2008 , 1, 114	0.4	12
136	A new evolutionary method with fuzzy logic for combining Particle Swarm Optimization and Genetic Algorithms: The case of neural networks optimization 2008 ,		2
135	Intelligent control using an Interval Type-2 Fuzzy Neural Network with a hybrid learning algorithm 2008 ,		3
134	A New Evolutionary Method with a Hybrid Approach Combining Particle Swarm Optimization and Genetic Algorithms using Fuzzy Logic for Decision Making 2008 ,		12
133	Building Fuzzy Inference Systems with a New Interval Type-2 Fuzzy Logic Toolbox 2008 , 104-114		36
132	A hybrid learning algorithm for Interval Type-2 Fuzzy Neural Networks in time series prediction for the case of air pollution 2008 ,		10
131	Topology optimization of fuzzy systems for response integration in ensemble neural networks: The case of fingerprint recognition 2008 ,		2
130	Extension of the Sugeno Integral with Interval Type-2 Fuzzy Logic 2008 ,		7
129	Neural Network optimization with a hybrid evolutionary method that combines Particle Swarm and Genetic Algorithms with fuzzy rules 2008 ,		2
128	Response integration in Ensemble Neural Networks using interval type-2 Fuzzy logic 2008 ,		5
127	Hybrid neural-based guiding system for mobile robots 2008 ,		1
126	Computational intelligence software: Type-2 Fuzzy Logic and Modular Neural Networks 2008 ,		3
125	Optimization of Response Integration with Fuzzy Logic in Ensemble Neural Networks Using Genetic Algorithms. <i>Studies in Computational Intelligence</i> , 2008 , 129-150	0.8	11
124	Systematic design of a stable type-2 fuzzy logic controller. <i>Applied Soft Computing Journal</i> , 2008 , 8, 1274-1279		72
123	2008 ,		9
122	Scalability Potential of Multi-core Architecture in a Neuro-Fuzzy System. <i>Studies in Computational Intelligence</i> , 2008 , 315-323	0.8	

121	A New Evolutionary Method Combining Particle Swarm Optimization and Genetic Algorithms Using Fuzzy Logic. <i>Studies in Computational Intelligence</i> , 2008 , 347-361	0.8	2
120	Optimization of Modular Neural Network, Using Genetic Algorithms: The Case of Face and Voice Recognition. <i>Studies in Computational Intelligence</i> , 2008 , 151-169	0.8	
119	A New Biometric Recognition Technique Based on Hand Geometry and Voice Using Neural Networks and Fuzzy Logic. <i>Studies in Computational Intelligence</i> , 2008 , 171-186	0.8	20
118	High Performance Parallel Programming of a GA Using Multi-core Technology. <i>Studies in Computational Intelligence</i> , 2008 , 307-314	0.8	7
117	A Hybrid Learning Algorithm for Interval Type-2 Fuzzy Neural Networks: The Case of Time Series Prediction. <i>Studies in Computational Intelligence</i> , 2008 , 363-386	0.8	7
116	Optimization of Artificial Neural Network Architectures for Time Series Prediction Using Parallel Genetic Algorithms. <i>Studies in Computational Intelligence</i> , 2008 , 387-399	0.8	2
115	Type-1 and Type-2 Fuzzy Inference Systems as Integration Methods in Modular Neural Networks for Multimodal Biometry and Its Optimization with Genetic Algorithms. <i>Studies in Computational Intelligence</i> , 2008 , 89-114	0.8	18
114	Interval Type-2 Fuzzy Logic for Module Relevance Estimation in Sugeno Integration of Modular Neural Networks. <i>Studies in Computational Intelligence</i> , 2008 , 115-127	0.8	7
113	Systematic Design of a Stable Type-2 Fuzzy Logic Controller 2008 , 319-331		4
112	Mediative Fuzzy Logic: A New Approach for Contradictory Knowledge Management 2008 , 135-149		3
111	5 Design of Intelligent Systems with Interval Type-2 Fuzzy Logic 2007 , 53-76		6
110	Hierarchical genetic algorithms for topology optimization in fuzzy control systems. <i>International Journal of General Systems</i> , 2007 , 36, 575-591	2.1	37
109	Evolutionary optimization of interval type-2 membership functions using the Human Evolutionary Model. <i>IEEE International Conference on Fuzzy Systems</i> , 2007 ,		7
108	Type-2 Fuzzy Logic for Improving Training Data and Response Integration in Modular Neural Networks for Image Recognition. <i>Lecture Notes in Computer Science</i> , 2007 , 604-612	0.9	18
107	Modular Neural Networks and Type-2 Fuzzy Logic for Face Recognition 2007 ,		18
106	2007 ,		51
105	3 Type-2 Fuzzy Logic. <i>Studies in Fuzziness and Soft Computing</i> , 2007 , 29-43	0.7	24
104	An intelligent hybrid approach for industrial quality control combining neural networks, fuzzy logic and fractal theory. <i>Information Sciences</i> , 2007 , 177, 1543-1557	7.7	69

103	Human evolutionary model: A new approach to optimization. <i>Information Sciences</i> , 2007 , 177, 2075-2098	7.7	62
102	Experimental study of intelligent controllers under uncertainty using type-1 and type-2 fuzzy logic. <i>Information Sciences</i> , 2007 , 177, 2023-2048	7.7	190
101	A hybrid modular neural network architecture with fuzzy Sugeno integration for time series forecasting. <i>Applied Soft Computing Journal</i> , 2007 , 7, 1217-1226	7.5	65
100	Third International Seminar on Computational Intelligence 2006, IEEE CIS Mexico Chapter [Family Corner]. <i>IEEE Computational Intelligence Magazine</i> , 2007 , 2, 19-19	5.6	3
99	Mediative fuzzy logic: a new approach for contradictory knowledge management. <i>Soft Computing</i> , 2007 , 12, 251-256	3.5	10
98	10 Experimental Study of Intelligent Controllers Under Uncertainty Using Type-1 and Type-2 Fuzzy Logic. <i>Studies in Fuzziness and Soft Computing</i> , 2007 , 121-132	0.7	5
97	Type-2 Fuzzy Systems for Improving Training Data and Decision Making in Modular Neural Networks for Image Recognition. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007 ,		7
96	Building Fuzzy Inference Systems with the Interval Type-2 Fuzzy Logic Toolbox 2007 , 53-62		32
95	Comparison of Hybrid Intelligent Systems, Neural Networks and Interval Type-2 Fuzzy Logic for Time Series Prediction. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007 ,		16
94	Pattern Recognition for Industrial Monitoring and Security using the Fuzzy Sugeno Integral and Modular Neural Networks. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007 ,		2
93	An Efficient Computational Method to Implement Type-2 Fuzzy Logic in Control Applications 2007 , 45-52		62
92	Modular Neural Networks and Fuzzy Sugeno Integral for Pattern Recognition: The Case of Human Face and Fingerprint 2007 , 311-326		7
91	Evolutionary design and applications of hybrid intelligent systems. <i>International Journal of Innovative Computing and Applications</i> , 2007 , 1, 48	0.4	1
90	2007 ,		6
89	A New Method for Edge Detection in Image Processing Using Interval Type-2 Fuzzy Logic 2007 ,		6
88	Hybrid Learning Algorithm for Interval Type-2 Fuzzy Neural Networks 2007 ,		3
87	2007 ,		39
86	A New Method for Response Integration in Modular Neural Networks using Type-2 Fuzzy Logic for Biometric Systems. <i>Neural Networks (IJCNN), International Joint Conference on</i> , 2007 ,		5

85	A New Method for Edge Detection in Image Processing Using Interval Type-2 Fuzzy Logic 2007 ,	27
84	Parallel Evolutionary Computing using a cluster for Mathematical Function Optimization 2007 ,	15
83	An Interval Type-2 Fuzzy Logic Toolbox for Control Applications. <i>IEEE International Conference on Fuzzy Systems</i> , 2007 ,	66
82	Design of Hybrid Intelligent Systems 2007 ,	1
81	1 Introduction to Type-2 Fuzzy Logic. <i>Studies in Fuzziness and Soft Computing</i> , 2007 , 1-4	0.7 2
80	A Method for Response Integration in Modular Neural Networks using Interval Type-2 Fuzzy Logic. <i>IEEE International Conference on Fuzzy Systems</i> , 2007 ,	5
79	Hybrid Learning Algorithm for Interval Type-2 Fuzzy Neural Networks 2007 ,	13
78	Modular Neural Networks with Fuzzy Sugeno Integration Applied to Time Series Prediction 2007 , 403-413	
77	Evolutionary Optimization of a Wiener Model 2007 , 43-58	
76	A Comparative Study of Controllers Using Type-2 and Type-1 Fuzzy Logic 2007 , 151-162	
75	A Method for Creating Ensemble Neural Networks Using a Sampling Data Approach 2007 , 355-364	0
74	Pattern Recognition Using Modular Neural Networks and Fuzzy Integral as Method for Response Integration 2007 , 365-373	
73	Providing Intelligence to Evolutionary Computational Methods 2007 , 473-481	
72	11 Evolutionary Optimization of Interval Type-2 Membership Functions Using the Human Evolutionary Model. <i>Studies in Fuzziness and Soft Computing</i> , 2007 , 133-144	0.7 2
71	Pattern Recognition for Industrial Security Using the Fuzzy Sugeno Integral and Modular Neural Networks 2007 , 105-114	2
70	A Method for Response Integration in Modular Neural Networks with Type-2 Fuzzy Logic for Biometric Systems 2007 , 5-15	11
69	Modular Neural Networks with Fuzzy Integration Applied for Time Series Forecasting 2007 , 217-225	3
68	Design of Modular Neural Networks with Fuzzy Integration Applied to Time Series Prediction 2007 , 265-273	10

67	Evolutionary Computing for the Optimization of Mathematical Functions 2007 , 463-472		4
66	A Method for Creating Ensemble Neural Networks Using a Sampling Data Approach 2007 , 772-780		3
65	15 A New Approach for Plant Monitoring Using Type-2 Fuzzy Logic and Fractal Theory. <i>Studies in Fuzziness and Soft Computing</i> , 2007 , 187-202	0.7	2
64	2 Type-1 Fuzzy Logic. <i>Studies in Fuzziness and Soft Computing</i> , 2007 , 5-28	0.7	2
63	The Fuzzy Sugeno Integral as a Decision Operator in the Recognition of Images with Modular Neural Networks 2007 , 299-310		
62	Time Series Forecasting of Tomato Prices and Processing in Parallel in Mexico Using Modular Neural Networks 2007 , 385-402		
61	Design of Stable Type-2 Fuzzy Logic Controllers based on a Fuzzy Lyapunov Approach 2006 ,		9
60	Modular Neural Networks and Fuzzy Sugeno Integral for Face and Fingerprint Recognition 2006 , 603-618		2
59	Multiple Objective Genetic Algorithms for Path-planning Optimization in Autonomous Mobile Robots. <i>Soft Computing</i> , 2006 , 11, 269-279	3.5	84
58	Evolutionary Modeling Using A Wiener Model 2006 , 619-632		
57	Modular Neural Networks with Fuzzy Integration Applied to Time Series Prediction. <i>Advances in Intelligent and Soft Computing</i> , 2006 , 241-250		
56	Pattern Recognition Using Modular Neural Networks and Fuzzy Integral as Method for Response Integration. <i>Advances in Intelligent and Soft Computing</i> , 2006 , 133-142		
55	Modular Neural Networks. <i>Studies in Fuzziness and Soft Computing</i> , 2005 , 109-129	0.7	9
54	The Evolutionary Learning Rule in System Identification 2005 , 195-212		1
53	Intelligent control of a stepping motor drive using an adaptive neuro-fuzzy inference system. <i>Information Sciences</i> , 2005 , 170, 133-151	7.7	56
52	Preface to the special issue on soft computing for modeling, simulation, and control of nonlinear dynamical systems. <i>International Journal of Intelligent Systems</i> , 2005 , 20, 127-129	8.4	1
51	Face recognition using modular neural networks and the fuzzy Sugeno integral for response integration. <i>International Journal of Intelligent Systems</i> , 2005 , 20, 275-291	8.4	24
50	Black box evolutionary mathematical modeling applied to linear systems. <i>International Journal of Intelligent Systems</i> , 2005 , 20, 293-311	8.4	6

49	Application of a breeder genetic algorithm for filter optimization. <i>Natural Computing</i> , 2005 , 4, 11-37	1.3	1
48	Hybrid Intelligent Systems for Pattern Recognition Using Soft Computing. <i>Studies in Fuzziness and Soft Computing</i> , 2005 ,	0.7	89
47	A New Method for Adaptive Control of Non-Linear Plants Using Type-2 Fuzzy Logic and Neural Networks. <i>International Journal of General Systems</i> , 2004 , 33, 289-304	2.1	62
46	A new approach for plant monitoring using type-2 fuzzy logic and fractal theory. <i>International Journal of General Systems</i> , 2004 , 33, 305-319	2.1	23
45	Intelligent control of a stepping motor drive using a hybrid neuro-fuzzy approach. <i>Soft Computing</i> , 2004 , 8, 546-555	3.5	13
44	Application of a breeder genetic algorithm for finite impulse filter optimization. <i>Information Sciences</i> , 2004 , 161, 139-158	7.7	9
43	Automated Quality Control in Sound Speakers Manufacturing Using a Hybrid Neuro-Fuzzy-Fractal Approach 2004 , 401-417		
42	A New Hybrid Fuzzy-Fractal Approach for Plant Monitoring and Diagnostics. <i>International Journal of Smart Engineering System Design</i> , 2003 , 5, 417-427		1
41	Intelligent Control of the Electrical Tuning Process for the Manufacturing of Televisions Using Soft Computing Techniques. <i>International Journal of Smart Engineering System Design</i> , 2003 , 5, 455-466		
40	A New Method for Adaptive Model-Based Control of Dynamic Industrial Plants using Neural Networks, Fuzzy Logic and Fractal Theory. <i>Systems Analysis Modelling Simulation</i> , 2003 , 43, 1-15		1
39	Application of a New Theory of Fuzzy Chaos for the Simulation and Control of NonLinear Dynamical Systems. <i>Systems Analysis Modelling Simulation</i> , 2003 , 43, 847-865		
38	The evolutionary learning rule for system identification. <i>Applied Soft Computing Journal</i> , 2003 , 3, 343-352.	7.5	20
37	Intelligent adaptive model-based control of robotic dynamic systems with a hybrid fuzzy-neural approach. <i>Applied Soft Computing Journal</i> , 2003 , 3, 363-378	7.5	61
36	Adaptive intelligent control of aircraft systems with a hybrid approach combining neural networks, fuzzy logic and fractal theory. <i>Applied Soft Computing Journal</i> , 2003 , 3, 353-362	7.5	74
35	Special issue on soft computing for control of non-linear dynamical systems. <i>Applied Soft Computing Journal</i> , 2003 , 3, 303-304	7.5	2
34	Intelligent control of a stepping motor drive using a hybrid neuro-fuzzy ANFIS approach. <i>Applied Soft Computing Journal</i> , 2003 , 3, 209-219	7.5	69
33	A Hybrid Fuzzy-Fractal Approach for Time Series Analysis and Prediction and Its Applications to Plant Monitoring 2003 , 419-430		
32	Soft Computing and Fractal Theory for Intelligent Manufacturing. <i>Studies in Fuzziness and Soft Computing</i> , 2003 ,	0.7	39

31	A hybrid fuzzy-fractal approach for time series analysis and plant monitoring. <i>International Journal of Intelligent Systems</i> , 2002 , 17, 751-765	8.4	7
30	Intelligent control of aircraft dynamic systems with a new hybrid neurofuzzyfractal approach. <i>Information Sciences</i> , 2002 , 142, 161-175	7.7	14
29	Adaptive Model-Based Control of Non-Linear Dynamical Systems with a Neuro-Fuzzy-Genetic Approach. <i>International Journal of Smart Engineering System Design</i> , 2002 , 4, 41-47		3
28	Modelling, Simulation and Forecasting of Competing Dynamic Companies Using a new Fuzzy-Genetic Approach. <i>Systems Analysis Modelling Simulation</i> , 2002 , 42, 1869-1879		
27	A NEW METHOD FOR ADAPTIVE CONTROL OF NON-LINEAR PLANTS USING TYPE-2 FUZZY LOGIC AND NEURAL NETWORKS 2002 ,		12
26	Hybrid intelligent systems for time series prediction using neural networks, fuzzy logic, and fractal theory. <i>IEEE Transactions on Neural Networks</i> , 2002 , 13, 1395-408		126
25	Adaptive Model-Based Control of Non-Linear Plants using Neural Networks and Fuzzy Logic 2002 , 123-132		
24	A Hybrid Fuzzy-Fractal Approach for Time Series Analysis and Prediction and Its Applications to Plant Monitoring. <i>Power Systems</i> , 2002 , 209-219	0.4	1
23	Intelligent Control of a Battery Charging Process with a Hybrid Approach 2002 , 133-143		
22	Adaptive Model-Based Control of Non-linear Plants Using Soft Computing Techniques. <i>Power Systems</i> , 2002 , 63-74	0.4	
21	Intelligent control of complex electrochemical systems with a neuro-fuzzy-genetic approach. <i>IEEE Transactions on Industrial Electronics</i> , 2001 , 48, 951-955	8.9	77
20	Soft Computing for Control of Non-Linear Dynamical Systems. <i>Studies in Fuzziness and Soft Computing</i> , 2001 ,	0.7	69
19	INTELLIGENT ADAPTIVE MODEL-BASED CONTROL OF ROBOTIC DYNAMIC SYSTEMS WITH A NEW HYBRID NEURO-FUZZY-FRACTAL APPROACH 2000 ,		5
18	Automated mathematical modelling, simulation and behavior identification of robotic dynamic systems using a new fuzzy-fractal-genetic approach. <i>Robotics and Autonomous Systems</i> , 1999 , 28, 19-30	3.5	12
17	DEVELOPING A NEW METHOD FOR THE IDENTIFICATION OF MICROORGANISMS FOR THE FOOD INDUSTRY USING THE FRACTAL DIMENSION. <i>Fractals</i> , 1994 , 02, 457-460	3.2	19
16	Design of Intelligent Systems with Interval Type-2 Fuzzy Logic575-601		1
15	Integrated development platform for intelligent control based on type-2 fuzzy logic		4
14	Fuzzy logic for plant monitoring and diagnostics		1

13	Adaptive noise cancellation using type-2 fuzzy logic and neural networks	15
12	A new method for fuzzy inference in intuitionistic fuzzy systems	6
11	Intelligent control of the transmission power in cellular phones using fuzzy logic	1
10	Fingerprint recognition using modular neural networks and fuzzy integrals for response integration	4
9	Modular neural networks with fuzzy Sugeno integral for pattern recognition	2
8	Optimization of modular neural networks using hierarchical genetic algorithms applied to speech recognition	3
7	A new hybrid approach for plant monitoring and diagnostics combining type-2 fuzzy logic and fractal theory	2
6	Intelligent control of non-linear dynamic plants using type-2 fuzzy logic and neural networks	3
5	Application of a breeder genetic algorithm for system identification in an adaptive finite impulse response filter	2
4	Modelling, Simulation and Control of Non-Linear Dynamical Systems	30
3	Comparative analysis of noise robustness of type 2 fuzzy logic controllers. <i>Kybernetika</i> ,175-201	55
2	Optimization of the Fuzzy Integrators in Ensembles of ANFIS Model for Time Series Prediction: The case of Mackey-Glass	4
1	An Exhaustive Review of Bio-Inspired Algorithms and its Applications for Optimization in Fuzzy Clustering	2