Fevrier Valdez

List of Publications by Year
in descending order

201 papers	4,533 citations	145106 33 h-index	145109 60 g-index
234 all docs	234 docs citations	234 times ranked	2998 citing authors

#	Article	IF	Citations
1	A review on quantum computing and deep learning algorithms and their applications. Soft Computing, 2023, 27, 13217-13236.	2.1	1
2	A New Cuckoo Search Algorithm Using Interval Type-2 Fuzzy Logic for Dynamic Parameter Adaptation. Lecture Notes in Networks and Systems, 2022, , 853-860.	0.5	2
3	A new mycorrhized tree optimization nature-inspired algorithm. Soft Computing, 2022, 26, 4797.	2.1	3
4	Optimization of Type-2 Fuzzy Logic Controller Design Using the GSO and FA Algorithms. International Journal of Fuzzy Systems, 2021, 23, 42-57.	2.3	61
5	A New Hybrid Method Based on ACO and PSO with Fuzzy Dynamic Parameter Adaptation for Modular Neural Networks Optimization. Studies in Computational Intelligence, 2021, , 337-361.	0.7	1
6	Comparative Study of Conventional and Interval Type-2 Fuzzy Logic Controllers for in Lego Mindstorms Ev3 Humanoids. Studies in Systems, Decision and Control, 2021, , 201-219.	0.8	2
7	A New Approach for Dynamic Stochastic Fractal Search with Fuzzy Logic for Parameter Adaptation. Fractal and Fractional, 2021, 5, 33.	1.6	6
8	Bio-Inspired Algorithms and Its Applications for Optimization in Fuzzy Clustering. Algorithms, 2021, 14, 122.	1.2	25
9	High-Speed Interval Type-2 Fuzzy Systems for Dynamic Parameter Adaptation in Harmony Search for Optimal Design of Fuzzy Controllers. Mathematics, 2021, 9, 758.	1.1	16
10	Optimization of a fuzzy controller for autonomous robot navigation using a new competitive multi-metaheuristic model. Soft Computing, 2021, 25, 11653-11672.	2.1	15
11	Swarm Intelligence: A Review of Optimization Algorithms Based on Animal Behavior. Studies in Computational Intelligence, 2021, , 273-298.	0.7	10
12	Optimization of Fuzzy Controllers for Autonomous Mobile Robots Using the Stochastic Fractal Search Method. Studies in Computational Intelligence, 2021, , 175-188.	0.7	0
13	Comparative Study of Type-1 and Interval Type-2 Fuzzy Systems in Parameter Adaptation of the Fuzzy Flower Pollination Algorithm. Studies in Computational Intelligence, 2021, , 145-161.	0.7	1
14	Fuzzy galactic swarm optimization with dynamic adjustment of parameters based on fuzzy logic. Journal of Peridynamics and Nonlocal Modeling, 2020, 1, 1.	1.4	1
15	Dynamic parameter adaptation in the harmony search algorithm for the optimization of interval type-2 fuzzy logic controllers. Soft Computing, 2020, 24, 179-192.	2.1	12
16	A review of optimization swarm intelligence-inspired algorithms with type-2 fuzzy logic parameter adaptation. Soft Computing, 2020, 24, 215-226.	2.1	25
17	Optimal Design of Fuzzy Systems Using Differential Evolution and Harmony Search Algorithms with Dynamic Parameter Adaptation. Applied Sciences (Switzerland), 2020, 10, 6146.	1.3	11
18	Type-2 fuzzy control for line following using line detection images. Journal of Intelligent and Fuzzy Systems, 2020, 39, 6089-6097.	0.8	8

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19	A survey of Type-2 fuzzy logic controller design using nature inspired optimization. Journal of Intelligent and Fuzzy Systems, 2020, 39, 6169-6179.	0.8	15
20	Fuzzy Logic in Dynamic Parameter Adaptation of Harmony Search Optimization for Benchmark Functions and Fuzzy Controllers. International Journal of Fuzzy Systems, 2020, 22, 1198-1211.	2.3	34
21	Generalized type-2 fuzzy logic in galactic swarm optimization: design of an optimal ball and beam fuzzy controller. Journal of Intelligent and Fuzzy Systems, 2020, 39, 3545-3559.	0.8	7
22	Comparison of Fuzzy Controller Optimization with Dynamic Parameter Adjustment Based on of Type-1 and Type-2 Fuzzy Logic. Studies in Computational Intelligence, 2020, , 47-56.	0.7	9
23	Parameter Adaptation in the Imperialist Competitive Algorithm Using Generalized Type-2 Fuzzy Logic. Studies in Computational Intelligence, 2020, , 3-10.	0.7	4
24	Harmony Search with Dynamic Adaptation of Parameters for the Optimization of a Benchmark Controller. Studies in Computational Intelligence, 2020, , 157-168.	0.7	3
25	Study Cases to Test Fuzzy Harmony Search. SpringerBriefs in Applied Sciences and Technology, 2020, , 13-67.	0.2	1
26	Fuzzy Galactic Swarm Optimization with Dynamic Adjustment of Parameters Based on Fuzzy Logic. SN Computer Science, 2020, 1, 1.	2.3	12
27	Harmony Search with Dynamic Adaptation of Parameters for the Optimization of a Benchmark Set of Functions. Studies in Computational Intelligence, 2020, , 97-108.	0.7	3
28	Type-2 Fuzzy Logic for Dynamic Parameter Adaptation in the Imperialist Competitive Algorithm. Studies in Computational Intelligence, 2020, , 109-118.	0.7	2
29	Fuzzy Flower Pollination Algorithm to Solve Control Problems. Studies in Computational Intelligence, 2020, , 119-154.	0.7	7
30	Particle Swarm Algorithm for the Optimization of Modular Neural Networks in Pattern Recognition. Studies in Computational Intelligence, 2020, , 59-69.	0.7	1
31	Interval Type 2 Fuzzy Fireworks Algorithm for Clustering. Advances in Computational Intelligence and Robotics Book Series, 2020, , 195-211.	0.4	0
32	Introduction to Fuzzy Harmony Search. SpringerBriefs in Applied Sciences and Technology, 2020, , 1-4.	0.2	2
33	Fireworks Algorithm (FWA) with Adaptation of Parameters Using Interval Type-2 Fuzzy Logic System. Studies in Computational Intelligence, 2020, , 35-47.	0.7	2
34	Optimization of granulation for fuzzy controllers of autonomous mobile robots using the Firefly Algorithm. Granular Computing, 2019, 4, 185-195.	4.4	23
35	A high-speed interval type 2 fuzzy system approach for dynamic parameter adaptation in metaheuristics. Engineering Applications of Artificial Intelligence, 2019, 85, 666-680.	4.3	58
36	Comparative Study in Fuzzy Controller Optimization Using Bee Colony, Differential Evolution, and Harmony Search Algorithms. Algorithms, 2019, 12, 9.	1.2	49

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37	Type-2 Fuzzy Logic Augmentation of the Imperialist Competitive Algorithm with Dynamic Parameter Adaptation. Advances in Intelligent Systems and Computing, 2019, , 167-176.	0.5	0
38	Optimization of Fuzzy Controller Using Galactic Swarm Optimization with Type-2 Fuzzy Dynamic Parameter Adjustment. Axioms, 2019, 8, 26.	0.9	31
39	Nature-Inspired Optimization Algorithms for Neuro-Fuzzy Models in Real-World Control and Robotics Applications. Computational Intelligence and Neuroscience, 2019, 2019, 1-2.	1.1	6
40	Multi-Metaheuristic Competitive Model for Optimization of Fuzzy Controllers. Algorithms, 2019, 12, 90.	1.2	19
41	Comparative Study of the Conventional Mathematical and Fuzzy Logic Controllers for Velocity Regulation. Axioms, 2019, 8, 53.	0.9	7
42	PSO with Dynamic Adaptation of Parameters for Optimization in Neural Networks with Interval Type-2 Fuzzy Numbers Weights. Axioms, 2019, 8, 14.	0.9	22
43	Interval Type-2 fuzzy logic for dynamic parameter adjustment in the imperialist competitive algorithm. , 2019, , .		5
44	Shadowed Type-2 Fuzzy Systems for Dynamic Parameter Adaptation in Harmony Search and Differential Evolution Algorithms. Algorithms, 2019, 12, 17.	1.2	39
45	Self-defense of the Plants. SpringerBriefs in Applied Sciences and Technology, 2019, , 9-12.	0.2	0
46	Interval type-2 fuzzy logic for dynamic parameter adaptation in a modified gravitational search algorithm. Information Sciences, 2019, 476, 159-175.	4.0	115
47	Proposed Method. SpringerBriefs in Applied Sciences and Technology, 2019, , 17-22.	0.2	0
48	Theory and Background. SpringerBriefs in Applied Sciences and Technology, 2019, , 5-7.	0.2	0
49	A new optimization meta-heuristic algorithm based on self-defense mechanism of the plants with three reproduction operators. Soft Computing, 2018, 22, 4907-4920.	2.1	27
50	Galactic Swarm Optimization with Adaptation of Parameters Using Fuzzy Logic for the Optimization of Mathematical Functions. Studies in Computational Intelligence, 2018, , 131-140.	0.7	8
51	Study on the Use of Type-1 and Interval Type-2 Fuzzy Systems Applied to Benchmark Functions Using the Fuzzy Harmony Search Algorithm. Advances in Intelligent Systems and Computing, 2018, , 94-103.	0.5	1
52	A New Metaheuristic Based on the Self-defense Mechanisms of the Plants with a Fuzzy Approach Applied to the CEC2015 Functions. Advances in Intelligent Systems and Computing, 2018, , 115-121.	0.5	0
53	Trajectory Optimization for an Autonomous Mobile Robot Using the Bat Algorithm. Advances in Intelligent Systems and Computing, 2018, , 232-241.	0.5	1
54	A New Optimization Metaheuristic Based on the Self-defense Techniques of Natural Plants Applied to the CEC 2015 Benchmark Functions. Advances in Intelligent Systems and Computing, 2018, , 380-388.	0.5	3

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55	Performance Evaluation of Optimization Algorithms based on GPU using CUDA Architecture. , 2018, , .		3
56	A variant to the dynamic adaptation of parameters in galactic swarm optimization using a fuzzy logic augmentation. , 2018, , .		9
57	A Fuzzy Harmony Search Algorithm for the Optimization of a Benchmark Set of Functions. Lecture Notes in Computer Science, 2018, , 401-412.	1.0	0
58	Bio-inspired Optimization Metaheuristic Algorithm Based on the Self-defense of the Plants. Studies in Fuzziness and Soft Computing, 2018, , 111-121.	0.6	0
59	Fuzzy Dynamic Parameter Adaptation in ACO and PSO for Designing Fuzzy Controllers: The Cases of Water Level and Temperature Control. Advances in Fuzzy Systems, 2018, 2018, 1-19.	0.6	20
60	Parameter Optimization for Membership Functions of Type-2 Fuzzy Controllers for Autonomous Mobile Robots Using the Firefly Algorithm. Communications in Computer and Information Science, 2018, , 569-579.	0.4	14
61	A New Hybridization Approach between the Fireworks Algorithm and Grey Wolf Optimizer Algorithm. Journal of Optimization, 2018, 2018, 1-18.	6.0	22
62	Fuzzy Dynamic Parameter Adaptation in the Harmony Search Algorithm for the Optimization of the Ball and Beam Controller. Advances in Operations Research, 2018, 2018, 1-16.	0.2	33
63	Optimization of Modular Neural Network Architectures with an Improved Particle Swarm Optimization Algorithm. Studies in Fuzziness and Soft Computing, 2018, , 165-174.	0.6	1
64	Ensemble Neural Network with Type-2 Fuzzy Weights Using Response Integration for Time Series Prediction. Studies in Fuzziness and Soft Computing, 2018, , 175-189.	0.6	2
65	Comparative Study of Type-1 and Interval Type-2 Fuzzy Systems in the Fuzzy Harmony Search Algorithm Applied to Benchmark Functions. Advances in Intelligent Systems and Computing, 2018, , 162-170.	0.5	1
66	Optimization of Deep Neural Network for Recognition with Human Iris Biometric Measure. Advances in Intelligent Systems and Computing, 2018, , 172-180.	0.5	3
67	A Review of Fuzzy and Mathematic Methods for Dynamic Parameter Adaptation in the Firefly Algorithm. Studies in Computational Intelligence, 2018, , 311-321.	0.7	4
68	Theory and Background. SpringerBriefs in Applied Sciences and Technology, 2018, , 3-10.	0.2	2
69	Improved Method Based on Type-2 Fuzzy Logic for the Adaptive Harmony Search Algorithm. Studies in Computational Intelligence, 2018, , 29-37.	0.7	3
70	Person Recognition with Modular Deep Neural Network Using the Iris Biometric Measure. Studies in Computational Intelligence, 2018, , 69-80.	0.7	8
71	Simulation Results. SpringerBriefs in Applied Sciences and Technology, 2018, , 33-46.	0.2	0
72	Problem Statements. SpringerBriefs in Applied Sciences and Technology, 2018, , 11-21.	0.2	0

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73	Ensemble Neural Network Optimization Using a Gravitational Search Algorithm with Interval Type-1 and Type-2 Fuzzy Parameter Adaptation in Pattern Recognition Applications. Studies in Computational Intelligence, 2018, , 17-27.	0.7	5
74	Dynamic Parameter Adaptation Using Interval Type-2 Fuzzy Logic in Bio-Inspired Optimization Methods. Advances in Intelligent Systems and Computing, 2018, , 1-12.	0.5	1
75	A fuzzy hierarchical operator in the grey wolf optimizer algorithm. Applied Soft Computing Journal, 2017, 57, 315-328.	4.1	173
76	Modification of the Bat Algorithm Using Type-2 Fuzzy Logic for Dynamical Parameter Adaptation. Studies in Computational Intelligence, 2017, , 343-355.	0.7	17
77	Gravitational Search Algorithm with Parameter Adaptation Through a Fuzzy Logic System. Studies in Computational Intelligence, 2017, , 391-405.	0.7	1
78	Ant colony optimization with dynamic parameter adaptation based on interval type-2 fuzzy logic systems. Applied Soft Computing Journal, 2017, 53, 74-87.	4.1	145
79	Optimization Mathematical Functions for Multiple Variables Using the Algorithm of Self-defense of the Plants. Studies in Computational Intelligence, 2017, , 631-640.	0.7	9
80	Interval type-2 fuzzy logic for dynamic parameter adaptation in the bat algorithm. Soft Computing, 2017, 21, 667-685.	2.1	43
81	Flower Pollination Algorithm with Fuzzy Approach for Solving Optimization Problems. Studies in Computational Intelligence, 2017, , 357-369.	0.7	12
82	An Adaptive Fuzzy Control Based on Harmony Search and Its Application to Optimization. Studies in Computational Intelligence, 2017, , 269-283.	0.7	7
83	A Review of Dynamic Parameter Adaptation Methods for the Firefly Algorithm. Studies in Computational Intelligence, 2017, , 285-295.	0.7	10
84	A New Hybrid PSO Method Applied to Benchmark Functions. Studies in Computational Intelligence, 2017, , 423-430.	0.7	4
85	Dynamic simultaneous adaptation of parameters in the grey wolf optimizer using fuzzy logic. , 2017, , .		5
86	Comparative study of the use of fuzzy logic in improving particle swarm optimization variants for mathematical functions using co-evolution. Applied Soft Computing Journal, 2017, 52, 1070-1083.	4.1	72
87	Iterative fireworks algorithm with fuzzy coefficients. , 2017, , .		5
88	Imperialist Competitive Algorithm with Dynamic Parameter Adaptation Using Fuzzy Logic Applied to the Optimization of Mathematical Functions. Algorithms, 2017, 10, 18.	1.2	41
89	Optimization of Intelligent Controllers Using a Type-1 and Interval Type-2 Fuzzy Harmony Search Algorithm. Algorithms, 2017, 10, 82.	1.2	39
90	Fuzzy Fireworks Algorithm Based on a Sparks Dispersion Measure. Algorithms, 2017, 10, 83.	1.2	19

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91	Comparative Study of Type-2 Fuzzy Particle Swarm, Bee Colony and Bat Algorithms in Optimization of Fuzzy Controllers. Algorithms, 2017, 10, 101.	1.2	53
92	An Extension of the Fuzzy Possibilistic Clustering Algorithm Using Type-2 Fuzzy Logic Techniques. Advances in Fuzzy Systems, 2017, 2017, 1-23.	0.6	75
93	A New Meta-Heuristics of Optimization with Dynamic Adaptation of Parameters Using Type-2 Fuzzy Logic for Trajectory Control of a Mobile Robot. Algorithms, 2017, 10, 85.	1.2	32
94	Comparison of T-Norms and S-Norms for Interval Type-2 Fuzzy Numbers in Weight Adjustment for Neural Networks. Information (Switzerland), 2017, 8, 114.	1.7	11
95	Fireworks Algorithm (FWA) with Adaptation of Parameters Using Fuzzy Logic. Studies in Computational Intelligence, 2017, , 313-327.	0.7	10
96	A Gravitational Search Algorithm Using Type-2 Fuzzy Logic for Parameter Adaptation. Studies in Computational Intelligence, 2017, , 127-138.	0.7	4
97	Fuzzy Logic Dynamic Parameter Adaptation in the Gravitational Search Algorithm. Advances in Intelligent Systems and Computing, 2017, , 47-57.	0.5	0
98	Interval Type-2 Fuzzy Logic for Parameter Adaptation in the Gravitational Search Algorithm. Lecture Notes in Computer Science, 2017, , 239-249.	1.0	0
99	A New Fuzzy Harmony Search Algorithm Using Fuzzy Logic for Dynamic Parameter Adaptation. Algorithms, 2016, 9, 69.	1.2	51
100	Interval type-2 fuzzy logic gravitational search algorithm for the optimization of modular neural networks in echocardiogram recognition. , 2016, , .		2
101	A new metaheuristic based on the self-defense techniques of the plants in nature. , 2016, , .		5
102	Fuzzy FWA with dynamic adaptation of parameters. , 2016, , .		15
103	An improved Particle Swarm Optimization algorithm applied to Benchmark Functions. , 2016, , .		6
104	Interval type-2 fuzzy logic for dynamic parameter adaptation in the Harmony search algorithm. , 2016, , .		8
105	Optimization with genetic algorithm and particle swarm optimization of type-2 fuzzy integrator for ensemble neural network in time series. , 2016, , .		4
106	Bat algorithm with parameter adaptation using Interval Type-2 fuzzy logic for benchmark mathematical functions. , 2016, , .		14
107	A fuzzy system for dynamic parameter adaptation in gravitational search algorithm. , 2016, , .		5
108	Ant colony optimization for the design of Modular Neural Networks in pattern recognition. , 2016, , .		6

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109	Theory and Background. SpringerBriefs in Applied Sciences and Technology, 2016, , 3-20.	0.2	0
110	Dynamic parameter adaptation in particle swarm optimization using interval type-2 fuzzy logic. Soft Computing, 2016, 20, 1057-1070.	2.1	114
111	Optimization of fuzzy controller design using a new bee colony algorithm with fuzzy dynamic parameter adaptation. Applied Soft Computing Journal, 2016, 43, 131-142.	4.1	124
112	Optimization of type-2 fuzzy weights in backpropagation learning for neural networks using GAs and PSO. Applied Soft Computing Journal, 2016, 38, 860-871.	4.1	125
113	Problem Statement and Development. SpringerBriefs in Applied Sciences and Technology, 2016, , 21-76.	0.2	0
114	Simulations and Results. SpringerBriefs in Applied Sciences and Technology, 2016, , 77-97.	0.2	0
115	A Comparative Study of Membership Functions for an Interval Type-2 Fuzzy System Used for Dynamic Parameter Adaptation in Particle Swarm Optimization. Studies in Fuzziness and Soft Computing, 2016, , 373-385.	0.6	2
116	Bio-Inspired Optimization Algorithm Based on the Self-defense Mechanism in Plants. Lecture Notes in Computer Science, 2015, , 227-237.	1.0	8
117	Bio-Inspired Optimization Methods. , 2015, , 1533-1538.		11
118	Fuzzy Classification System Design Using PSO with Dynamic Parameter Adaptation Through Fuzzy Logic. Studies in Computational Intelligence, 2015, , 29-47.	0.7	10
119	Proposed augmentation of the Bat Algorithm using fuzzy logic for dynamic parameter adaptation. , 2015, , .		1
120	Generalized type-2 fuzzy weight adjustment for backpropagation neural networks in time series prediction. Information Sciences, 2015, 325, 159-174.	4.0	55
121	An Improved Harmony Search Algorithm Using Fuzzy Logic for the Optimization of Mathematical Functions. Studies in Computational Intelligence, 2015, , 605-615.	0.7	9
122	A New Bio-inspired Optimization Algorithm Based on the Self-defense Mechanisms of Plants. Studies in Computational Intelligence, 2015, , 211-218.	0.7	9
123	An Improved Particle Swarm Optimization Algorithm to Optimize Modular Neural Network Architectures. Studies in Computational Intelligence, 2015, , 155-162.	0.7	1
124	Ant Colony Optimization with Parameter Adaptation Using Fuzzy Logic for TSP Problems. Studies in Computational Intelligence, 2015, , 593-603.	0.7	15
125	Fuzzy logic in the gravitational search algorithm for the optimization of modular neural networks in pattern recognition. Expert Systems With Applications, 2015, 42, 5839-5847.	4.4	59
126	A New Bat Algorithm with Fuzzy Logic for Dynamical Parameter Adaptation and Its Applicability to Fuzzy Control Design. Studies in Computational Intelligence, 2015, , 65-79.	0.7	12

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127	An Improved Intelligent Water Drop Algorithm to Solve Optimization Problems. Studies in Computational Intelligence, 2015, , 233-239.	0.7	4
128	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. Applied Soft Computing Journal, 2015, 37, 245-254.	4.1	34
129	Fuzzy control of parameters to dynamically adapt the HS algorithm for optimization. , 2015, , .		3
130	Modification of the Bat Algorithm using fuzzy logic for dynamical parameter adaptation. , 2015, , .		19
131	An Improved Simulated Annealing Algorithm for the Optimization of Mathematical Functions. Studies in Computational Intelligence, 2015, , 241-251.	0.7	0
132	A new approach for dynamic fuzzy logic parameter tuning in Ant Colony Optimization and its application in fuzzy control of a mobile robot. Applied Soft Computing Journal, 2015, 28, 150-159.	4.1	162
133	New approach using ant colony optimization with ant set partition for fuzzy control design applied to the ball and beam system. Information Sciences, 2015, 294, 203-215.	4.0	63
134	A Harmony Search Algorithm Comparison with Genetic Algorithms. Studies in Computational Intelligence, 2015, , 105-123.	0.7	9
135	Comparative Study of Particle Swarm Optimization Variants in Complex Mathematics Functions. Studies in Computational Intelligence, 2015, , 163-178.	0.7	4
136	A Gravitational Search Algorithm for Optimization of Modular Neural Networks in Pattern Recognition. Studies in Computational Intelligence, 2015, , 127-137.	0.7	4
137	Neural Network with Fuzzy Weights Using Type-1 and Type-2 Fuzzy Learning for the Dow-Jones Time Series. Studies in Computational Intelligence, 2015, , 73-87.	0.7	0
138	A fuzzy system for parameter adaptation in ant colony optimization. , 2014, , .		6
139	Bat Algorithm Comparison with Genetic Algorithm Using Benchmark Functions. Studies in Computational Intelligence, 2014, , 225-237.	0.7	10
140	Comparative Study of Social Network Structures in PSO. Studies in Computational Intelligence, 2014, , 239-254.	0.7	1
141	A Fuzzy Control Design for an Autonomous Mobile Robot Using Ant Colony Optimization. Studies in Computational Intelligence, 2014, , 289-304.	0.7	3
142	Neural Network with Fuzzy Weights Using Type-1 and Type-2 Fuzzy Learning with Gaussian Membership Functions. Studies in Computational Intelligence, 2014, , 51-65.	0.7	0
143	Toolbox for bio-inspired optimization of mathematical functions. Computer Applications in Engineering Education, 2014, 22, 11-22.	2.2	6
144	A survey on nature-inspired optimization algorithms with fuzzy logic for dynamic parameter adaptation. Expert Systems With Applications, 2014, 41, 6459-6466.	4.4	112

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145	An interval type-2 fuzzy logic system for dynamic parameter adaptation in particle swarm optimization. , 2014, , .		3
146	A new neural network model based on the LVQ algorithm for multi-class classification of arrhythmias. Information Sciences, 2014, 279, 483-497.	4.0	115
147	Interval type-2 fuzzy weight adjustment for backpropagation neural networks with application in time series prediction. Information Sciences, 2014, 260, 1-14.	4.0	122
148	Modular Neural Networks architecture optimization with a new nature inspired method using a fuzzy combination of Particle Swarm Optimization and Genetic Algorithms. Information Sciences, 2014, 270, 143-153.	4.0	82
149	A Comparative Study of Membership Functions for an Interval Type-2 Fuzzy System used to Dynamic Parameter Adaptation in Particle Swarm Optimization. Studies in Computational Intelligence, 2014, , 67-78.	0.7	3
150	Nature-Inspired Optimization of Type-2 Fuzzy Systems. Lecture Notes in Computer Science, 2014, , 331-344.	1.0	1
151	Modular granular neural networks optimization with Multi-Objective Hierarchical Genetic Algorithm for human recognition based on iris biometric. , 2013, , .		11
152	Neural Network with Type-2 Fuzzy Weights Adjustment for Pattern Recognition of the Human Iris Biometrics. Lecture Notes in Computer Science, 2013, , 259-270.	1.0	10
153	Type-2 Fuzzy Weight Adjustment for Backpropagation in Prediction Time Series and Pattern Recognition. Studies in Fuzziness and Soft Computing, 2013, , 187-213.	0.6	1
154	A new gravitational search algorithm using fuzzy logic to parameter adaptation. , 2013, , .		71
155	Ant Colony Optimization for solving the TSP symetric with parallel processing. , 2013, , .		11
156	Neural network with lower and upper type-2 fuzzy weights using the backpropagation learning method. , 2013, , .		3
157	Particle swarm optimization with dynamic parameter adaptation using interval type-2 fuzzy logic for benchmark mathematical functions. , 2013, , .		19
158	Optimal design of type-2 and type-1 fuzzy tracking controllers for autonomous mobile robots under perturbed torques using a new chemical optimization paradigm. Expert Systems With Applications, 2013, 40, 3185-3195.	4.4	131
159	Modular Neural Networks Optimization with Hierarchical Genetic Algorithms with Fuzzy Response Integration for Pattern Recognition. Lecture Notes in Computer Science, 2013, , 247-258.	1.0	5
160	Parallel Particle Swarm Optimization with Parameters Adaptation Using Fuzzy Logic. Lecture Notes in Computer Science, 2013, , 374-385.	1.0	23
161	Optimal design of fuzzy classification systems using PSO with dynamic parameter adaptation through fuzzy logic. Expert Systems With Applications, 2013, 40, 3196-3206.	4.4	243
162	Backpropagation learning method with interval type-2 fuzzy weights in neural networks. , 2013, , .		2

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163	Design of optimal membership functions for fuzzy controllers of the water tank and inverted pendulum with PSO variants. , 2013, , .		4
164	Ant colony optimization for membership function design for a water tank fuzzy logic controller. , 2013, , .		8
165	Optimization of type-2 fuzzy weight for neural network using genetic algorithm and particle swarm optimization. , 2013, , .		10
166	Optimization of fuzzy control systems with different variants of Particle Swarm Optimization. , 2013, , .		5
167	Fuzzy logic for dynamic adaptation in PSO with multiple topologies. , 2013, , .		6
168	Dynamic Fuzzy Logic Parameter Tuning for ACO and Its Application in the Fuzzy Logic Control of an Autonomous Mobile Robot. International Journal of Advanced Robotic Systems, 2013, 10, 51.	1.3	30
169	Optimal Design of the Fuzzy Navigation System for a Mobile Robot Using Evolutionary Algorithms. International Journal of Advanced Robotic Systems, 2013, 10, 139.	1.3	9
170	Genetic Optimization of Type-2 Fuzzy Weight Adjustment for Backpropagation in Ensemble Neural Network. Studies in Computational Intelligence, 2013, , 159-171.	0.7	6
171	Comparative Study of Particle Swarm Optimization Variants in Complex Mathematics Functions. Studies in Computational Intelligence, 2013, , 223-235.	0.7	7
172	Bio-inspired Optimization Methods on Graphic Processing Unit for Minimization of Complex Mathematical Functions. Studies in Computational Intelligence, 2013, , 313-322.	0.7	20
173	Comparative Study of Type-1 and Type-2 Fuzzy Systems for the Three-Tank Water Control Problem. Lecture Notes in Computer Science, 2013, , 362-373.	1.0	9
174	Optimization of Membership Functions for the Fuzzy Controllers of the Water Tank and Inverted Pendulum with Differents PSO Variants. Telkomnika (Telecommunication Computing Electronics and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf		2
175	Backpropagation method with type-2 fuzzy weight adjustment for neural network learning. , 2012, , .		6
176	Particle Swarm Optimization for designing an optimal fuzzy logic controller of a DC motor. , 2012, , .		5
177	Comparative study of bio-inspired algorithms applied to the optimization of type-1 and type-2 fuzzy controllers for an autonomous mobile robot. Information Sciences, 2012, 192, 19-38.	4.0	234
178	Genetic Optimization of Neural Networks for Person Recognition Based on the Iris. Telkomnika (Telecommunication Computing Electronics and Control), 2012, 10, 309.	0.6	6
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180	Parallel genetic algorithms for optimization of Modular Neural Networks in pattern recognition. , 2011, , .		15

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182	An improved evolutionary method with fuzzy logic for combining Particle Swarm Optimization and Genetic Algorithms. Applied Soft Computing Journal, 2011, 11, 2625-2632.	4.1	196
183	Modular Neural Networks with Type-2 Fuzzy Integration for Pattern Recognition of Iris Biometric Measure. Lecture Notes in Computer Science, 2011, , 363-373.	1.0	5
184	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. International Journal of Artificial Intelligence and Soft Computing, 2010, 2, 77.	0.1	15
185	Fuzzy control of parameters to dynamically adapt the PSO and GA Algorithms. , 2010, , .		22
186	A New Evolutionary Method with Particle Swarm Optimization and Genetic Algorithms Using Fuzzy Systems to Dynamically Parameter Adaptation. Studies in Computational Intelligence, 2010, , 225-243.	0.7	3
187	Fuzzy Control for Dynamical Parameter Adaptation in a Parallel Evolutionary Method Combining Particle Swarm Optimization and Genetic Algorithms. Studies in Computational Intelligence, 2010, , 161-178.	0.7	4
188	Evolutionary method combining particle swarm optimization and genetic algorithms using fuzzy logic for decision making. , 2009, , .		72
189	Modular Neural Networks Architecture Optimization with a New Evolutionary Method Using a Fuzzy Combination Particle Swarm Optimization and Genetic Algorithms. Studies in Computational Intelligence, 2009, , 199-213.	0.7	2
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192	A New Evolutionary Method with a Hybrid Approach Combining Particle Swarm Optimization and Genetic Algorithms using Fuzzy Logic for Decision Making. , 2008, , .		16
193	Neural Network optimization with a hybrid evolutionary method that combines Particle Swarm and Genetic Algorithms with fuzzy rules. , 2008, , .		2
194	A New Evolutionary Method Combining Particle Swarm Optimization and Genetic Algorithms Using Fuzzy Logic. Studies in Computational Intelligence, 2008, , 347-361.	0.7	3
195	Parallel Evolutionary Computing using a cluster for Mathematical Function Optimization. , 2007, , .		19
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