

Yong Zhang

List of Publications by Year in descending order

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97
papers

4,664
citations

117453

34
h-index

98622

67
g-index

100
all docs

100
docs citations

100
times ranked

3210
citing authors

#	ARTICLE	IF	CITATIONS
1	Robot path planning in uncertain environment using multi-objective particle swarm optimization. <i>Neurocomputing</i> , 2013, 103, 172-185.	3.5	323
2	Binary differential evolution with self-learning for multi-objective feature selection. <i>Information Sciences</i> , 2020, 507, 67-85.	4.0	292
3	Multi-Objective Particle Swarm Optimization Approach for Cost-Based Feature Selection in Classification. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2017, 14, 64-75.	1.9	287
4	A bare-bones multi-objective particle swarm optimization algorithm for environmental/economic dispatch. <i>Information Sciences</i> , 2012, 192, 213-227.	4.0	247
5	Feature selection algorithm based on bare bones particle swarm optimization. <i>Neurocomputing</i> , 2015, 148, 150-157.	3.5	208
6	Variable-Size Cooperative Coevolutionary Particle Swarm Optimization for Feature Selection on High-Dimensional Data. <i>IEEE Transactions on Evolutionary Computation</i> , 2020, 24, 882-895.	7.5	207
7	A return-cost-based binary firefly algorithm for feature selection. <i>Information Sciences</i> , 2017, 418-419, 561-574.	4.0	180
8	Asynchronous accelerating multi-leader salp chains for feature selection. <i>Applied Soft Computing Journal</i> , 2018, 71, 964-979.	4.1	175
9	Cost-sensitive feature selection using two-archive multi-objective artificial bee colony algorithm. <i>Expert Systems With Applications</i> , 2019, 137, 46-58.	4.4	158
10	Environmental/economic power dispatch using a hybrid multi-objective optimization algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , 2010, 32, 607-614.	3.3	156
11	Multidirectional Prediction Approach for Dynamic Multiobjective Optimization Problems. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 3362-3374.	6.2	144
12	Multiobjective Particle Swarm Optimization for Feature Selection With Fuzzy Cost. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 874-888.	6.2	136
13	Feature selection using bare-bones particle swarm optimization with mutual information. <i>Pattern Recognition</i> , 2021, 112, 107804.	5.1	135
14	A Fast Hybrid Feature Selection Based on Correlation-Guided Clustering and Particle Swarm Optimization for High-Dimensional Data. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 9573-9586.	6.2	120
15	A Similarity-Based Cooperative Co-Evolutionary Algorithm for Dynamic Interval Multiobjective Optimization Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2020, 24, 142-156.	7.5	117
16	Many-objective evolutionary optimization based on reference points. <i>Applied Soft Computing Journal</i> , 2017, 50, 344-355.	4.1	112
17	Hybrid bare-bones PSO for dynamic economic dispatch with valve-point effects. <i>Applied Soft Computing Journal</i> , 2014, 18, 248-260.	4.1	89
18	Unsupervised band selection based on artificial bee colony algorithm for hyperspectral image classification. <i>Applied Soft Computing Journal</i> , 2019, 75, 428-440.	4.1	80

#	ARTICLE	IF	CITATIONS
19	A filter-based bare-bone particle swarm optimization algorithm for unsupervised feature selection. <i>Applied Intelligence</i> , 2019, 49, 2889-2898.	3.3	75
20	Dual-Surrogate-Assisted Cooperative Particle Swarm Optimization for Expensive Multimodal Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2021, 25, 794-808.	7.5	74
21	Multi-objective feature selection based on artificial bee colony: An acceleration approach with variable sample size. <i>Applied Soft Computing Journal</i> , 2020, 88, 106041.	4.1	73
22	A PSO-based multi-objective multi-label feature selection method in classification. <i>Scientific Reports</i> , 2017, 7, 376.	1.6	72
23	A decomposition-based archiving approach for multi-objective evolutionary optimization. <i>Information Sciences</i> , 2018, 430-431, 397-413.	4.0	72
24	Feature selection of unreliable data using an improved multi-objective PSO algorithm. <i>Neurocomputing</i> , 2016, 171, 1281-1290.	3.5	69
25	Environment Sensitivity-Based Cooperative Co-Evolutionary Algorithms for Dynamic Multi-Objective Optimization. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2018, 15, 1877-1890.	1.9	67
26	Multi-objective Particle Swarm Optimization for Robot Path Planning in Environment with Danger Sources. <i>Journal of Computers</i> , 2011, 6, .	0.4	62
27	A niching PSO-based multi-robot cooperation method for localizing odor sources. <i>Neurocomputing</i> , 2014, 123, 308-317.	3.5	60
28	Solving the blocking flow shop scheduling problem with makespan using a modified fruit fly optimisation algorithm. <i>International Journal of Production Research</i> , 2016, 54, 6782-6797.	4.9	55
29	Adaptive bare-bones particle swarm optimization algorithm and its convergence analysis. <i>Soft Computing</i> , 2014, 18, 1337-1352.	2.1	54
30	Path Planning of Mobile Robot Based on Hybrid Multi-Objective Bare Bones Particle Swarm Optimization With Differential Evolution. <i>IEEE Access</i> , 2018, 6, 44542-44555.	2.6	51
31	Multi-objective optimization of building energy performance using a particle swarm optimizer with less control parameters. <i>Journal of Building Engineering</i> , 2020, 32, 101505.	1.6	51
32	Nonnegative Laplacian embedding guided subspace learning for unsupervised feature selection. <i>Pattern Recognition</i> , 2019, 93, 337-352.	5.1	45
33	Personalized Search Inspired Fast Interactive Estimation of Distribution Algorithm and Its Application. <i>IEEE Transactions on Evolutionary Computation</i> , 2017, 21, 588-600.	7.5	40
34	Multi-source transfer learning guided ensemble LSTM for building multi-load forecasting. <i>Expert Systems With Applications</i> , 2022, 202, 117194.	4.4	36
35	Localising odour source using multi-robot and anemotaxis-based particle swarm optimisation. <i>IET Control Theory and Applications</i> , 2012, 6, 1661.	1.2	35
36	A decomposition-based coevolutionary multiobjective local search for combinatorial multiobjective optimization. <i>Swarm and Evolutionary Computation</i> , 2019, 49, 178-193.	4.5	28

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37	On generating interpretable and precise fuzzy systems based on Pareto multi-objective cooperative co-evolutionary algorithm. <i>Applied Soft Computing Journal</i> , 2011, 11, 1284-1294.	4.1	26
38	A multi-strategy integrated multi-objective artificial bee colony for unsupervised band selection of hyperspectral images. <i>Swarm and Evolutionary Computation</i> , 2021, 60, 100806.	4.5	26
39	Neighborhood opposition-based differential evolution with Gaussian perturbation. <i>Soft Computing</i> , 2021, 25, 27-46.	2.1	25
40	Multisurrogate-Assisted Multitasking Particle Swarm Optimization for Expensive Multimodal Problems. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 2516-2530.	6.2	23
41	Modified particle swarm optimization for odor source localization of multi-robot. , 2011, , .		22
42	Reinforcement Learning in Robot Path Optimization. <i>Journal of Software</i> , 2012, 7, .	0.6	22
43	Brain storm optimization for feature selection using new individual clustering and updating mechanism. <i>Applied Intelligence</i> , 2019, 49, 4294-4302.	3.3	20
44	Handling multi-objective optimization problems with a multi-swarm cooperative particle swarm optimizer. <i>Expert Systems With Applications</i> , 2011, , .	4.4	19
45	Particle Swarm Optimization for Multi-objective Systems with Interval Parameters. <i>Zidonghua Xuebao/Acta Automatica Sinica</i> , 2009, 34, 921-928.	0.3	19
46	PSO-Based Robot Path Planning for Multisurvivor Rescue in Limited Survival Time. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-10.	0.6	14
47	A multi-objective discrete particle swarm optimization method for particle routing in distributed particle filters. <i>Knowledge-Based Systems</i> , 2022, 240, 108068.	4.0	14
48	A transfer learning-based particle swarm optimization algorithm for travelling salesman problem. <i>Journal of Computational Design and Engineering</i> , 2022, 9, 933-948.	1.5	14
49	Discriminative sparse subspace learning and its application to unsupervised feature selection. <i>ISA Transactions</i> , 2016, 61, 104-118.	3.1	12
50	Learning Reward Function with Matching Network for Mapless Navigation. <i>Sensors</i> , 2020, 20, 3664.	2.1	12
51	Cooperative co-evolutionary algorithm for multi-objective optimization problems with changing decision variables. <i>Information Sciences</i> , 2022, 607, 278-296.	4.0	12
52	Multi-Objective Optimization Problems Using Cooperative Evolvement Particle Swarm Optimizer. <i>Journal of Computational and Theoretical Nanoscience</i> , 2013, 10, 655-663.	0.4	11
53	IBPSO-Based MUSIC Algorithm for Broken Rotor Bars Fault Detection of Induction Motors. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2018, 31, .	1.9	11
54	A Pseudo-Label Guided Artificial Bee Colony Algorithm for Hyperspectral Band Selection. <i>Remote Sensing</i> , 2020, 12, 3456.	1.8	11

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55	Research on slow-scale bifurcation phenomenon of PFC cascade converter. IET Power Electronics, 2016, 9, 2824-2832.	1.5	10
56	Multiparticipant Federated Feature Selection Algorithm With Particle Swarm Optimization for Imbalanced Data Under Privacy Protection. IEEE Transactions on Artificial Intelligence, 2023, 4, 1002-1016.	3.4	9
57	Multi-objective Particle Swarm Optimization Based on Minimal Particle Angle. Lecture Notes in Computer Science, 2005, , 571-580.	1.0	8
58	Fuzzy cost-based feature selection using interval multi-objective particle swarm optimization algorithm. Journal of Intelligent and Fuzzy Systems, 2016, 31, 2807-2812.	0.8	8
59	Generalized pigeon-inspired optimization algorithms. Science China Information Sciences, 2019, 62, 1.	2.7	8
60	A multi-surrogate-assisted dual-layer ensemble feature selection algorithm. Applied Soft Computing Journal, 2021, 110, 107625.	4.1	8
61	Multi-objective Differential Evolution Algorithm for Multi-label Feature Selection in Classification. Lecture Notes in Computer Science, 2015, , 339-345.	1.0	8
62	Robot path planning in an environment with many terrains based on interval multi-objective PSO. , 2013, , .		7
63	Pulse train-controlled CCM boost converter with suppression of low-frequency oscillation. IET Power Electronics, 2017, 10, 957-967.	1.5	7
64	Broken Rotor Bar Fault Detection of Induction Motors Using a Joint Algorithm of Trust Region and Modified Bare-bones Particle Swarm Optimization. Chinese Journal of Mechanical Engineering (English) Tj ETQq0 0 0gBT /Overlock 10 T		
65	An embedded vertical federated feature selection algorithm based on particle swarm optimisation. CAAI Transactions on Intelligence Technology, 2023, 8, 734-754.	3.4	7
66	Localizing odor source with multi-robot based on hybrid particle swarm optimization. , 2015, , .		6
67	A Wrapper Feature Selection Algorithm Based on Brain Storm Optimization. Communications in Computer and Information Science, 2018, , 308-315.	0.4	6
68	Instance Transfer Learning with Multisource Dynamic TrAdaBoost. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	5
69	A Molecular Interactions-Based Social Learning Particle Swarm Optimization Algorithm. IEEE Access, 2020, 8, 135661-135674.	2.6	5
70	Multi-objective PSO Algorithm for Feature Selection Problems with Unreliable Data. Lecture Notes in Computer Science, 2014, , 386-393.	1.0	5
71	Objective-Constraint Mutual-Guided Surrogate-Based Particle Swarm Optimization for Expensive Constrained Multimodal Problems. IEEE Transactions on Evolutionary Computation, 2023, 27, 908-922.	7.5	4
72	Fitness Noise in Interactive Evolutionary Computation and the Convergence Robustness. , 2006, , .		3

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73	A reference points-based evolutionary algorithm for many-objective optimization. , 2014, , .		3
74	Sets evolution-based particle swarm optimization for many-objective problems. , 2014, , .		3
75	A multi-objective feature selection based on differential evolution. , 2015, , .		3
76	An Improved PSO Algorithm for Interval Multi-Objective Optimization Systems. IEICE Transactions on Information and Systems, 2016, E99.D, 2381-2384.	0.4	3
77	A parallel multi-objective cooperative co-evolutionary algorithm with changing variables. , 2017, , .		3
78	A grouping method based on improved PSO for task allocation in rescue environment. , 2019, , .		3
79	Cooperative Co-evolutionary Algorithm for Dynamic Multi-objective Optimization Based on Environmental Variable Grouping. Lecture Notes in Computer Science, 2016, , 564-570.	1.0	3
80	A synthesized ranking-assisted NSGA-II for interval multi-objective optimization. , 2016, , .		2
81	A Novel Fault Diagnosis Strategy for Heterogeneous Wireless Sensor Networks. Journal of Sensors, 2021, 2021, 1-18.	0.6	2
82	An Improved Weighted ELM with Krill Herd Algorithm for Imbalanced Learning. Lecture Notes in Computer Science, 2017, , 371-378.	1.0	2
83	Multi-objective Feature Selection Based on Artificial Bee Colony for Hyperspectral Images. Communications in Computer and Information Science, 2020, , 611-621.	0.4	2
84	Research on Low-Scale Bifurcation of PFC Operating with a Cascade Buck Converter. , 2016, , .		1
85	Multi-objective Robot Path Planning based on Bare Bones Particle Swarm Optimization with Crossover Operation. , 2018, , .		1
86	T-S Fuzzy-Based Optimal Control for Minimally Invasive Robotic Surgery with Input Saturation. Journal of Sensors, 2018, 2018, 1-9.	0.6	1
87	Surrogate-Assisted Multi-objective Particle Swarm Optimization for Building Energy Saving Design. Lecture Notes in Computer Science, 2021, , 593-604.	1.0	1
88	Application of Variational Granularity Language Sets in Interactive Genetic Algorithms. Lecture Notes in Computer Science, 2012, , 76-83.	1.0	1
89	A Cooperative Parallel mechanism based Multi-Particle-Swarm Optimizer. , 2008, , .		0
90	Surrogate enhanced interactive genetic algorithm with weighted Gaussian process. , 2013, , .		0

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91	Quantum particle swarm algorithm for Many-objective optimization problem. , 2014, , .		0
92	Multiplier maximum entropy algorithm of support vector machines. , 2015, , .		0
93	An improved buck-boost converter based on pulse sequence control. , 2017, , .		0
94	Enhanced Interactive Estimation of Distribution Algorithms with Attention Mechanism and Restricted Boltzmann Machine. , 2020, , .		0
95	Interval Cost Feature Selection Using Multi-objective PSO and Linear Interval Programming. Lecture Notes in Computer Science, 2016, , 579-586.	1.0	0
96	Petri Net Model and Its Optimization for the Problem of Robot Rescue Path Planning. Lecture Notes in Computer Science, 2017, , 551-563.	1.0	0
97	Improved Interval Multi-objective Evolutionary Optimization Algorithm Based on Directed Graph. Lecture Notes in Computer Science, 2017, , 40-48.	1.0	0