

Jun Zhang

List of Publications by Year in descending order

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613
papers

22,983
citations

9756

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12910

131
g-index

623
all docs

623
docs citations

623
times ranked

14749
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Particle Swarm Optimization. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 1362-1381.	5.5	1,549
2	Orthogonal Learning Particle Swarm Optimization. IEEE Transactions on Evolutionary Computation, 2011, 15, 832-847.	7.5	620
3	Particle Swarm Optimization With an Aging Leader and Challengers. IEEE Transactions on Evolutionary Computation, 2013, 17, 241-258.	7.5	598
4	Multiple Populations for Multiple Objectives: A Coevolutionary Technique for Solving Multiobjective Optimization Problems. IEEE Transactions on Cybernetics, 2013, 43, 445-463.	6.2	464
5	Fuzzy-Based Pareto Optimality for Many-Objective Evolutionary Algorithms. IEEE Transactions on Evolutionary Computation, 2014, 18, 269-285.	7.5	445
6	Genetic Learning Particle Swarm Optimization. IEEE Transactions on Cybernetics, 2016, 46, 2277-2290.	6.2	426
7	A Novel Set-Based Particle Swarm Optimization Method for Discrete Optimization Problems. IEEE Transactions on Evolutionary Computation, 2010, 14, 278-300.	7.5	383
8	Cloud Computing Resource Scheduling and a Survey of Its Evolutionary Approaches. ACM Computing Surveys, 2015, 47, 1-33.	16.1	366
9	Distributed evolutionary algorithms and their models: A survey of the state-of-the-art. Applied Soft Computing Journal, 2015, 34, 286-300.	4.1	361
10	An Energy Efficient Ant Colony System for Virtual Machine Placement in Cloud Computing. IEEE Transactions on Evolutionary Computation, 2018, 22, 113-128.	7.5	306
11	An Ant Colony Optimization Approach to a Grid Workflow Scheduling Problem With Various QoS Requirements. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2009, 39, 29-43.	3.3	287
12	Differential Evolution With Two-Level Parameter Adaptation. IEEE Transactions on Cybernetics, 2014, 44, 1080-1099.	6.2	286
13	A Review of Passive RFID Tag Antenna-Based Sensors and Systems for Structural Health Monitoring Applications. Sensors, 2017, 17, 265.	2.1	277
14	Hepatoma cell-secreted exosomal microRNA-103 increases vascular permeability and promotes metastasis by targeting junction proteins. Hepatology, 2018, 68, 1459-1475.	3.6	268
15	Adaptive Multimodal Continuous Ant Colony Optimization. IEEE Transactions on Evolutionary Computation, 2017, 21, 191-205.	7.5	242
16	Clustering-Based Adaptive Crossover and Mutation Probabilities for Genetic Algorithms. IEEE Transactions on Evolutionary Computation, 2007, 11, 326-335.	7.5	240
17	A Level-Based Learning Swarm Optimizer for Large-Scale Optimization. IEEE Transactions on Evolutionary Computation, 2018, 22, 578-594.	7.5	212
18	Evolutionary Computation Meets Machine Learning: A Survey. IEEE Computational Intelligence Magazine, 2011, 6, 68-75.	3.4	204

#	ARTICLE	IF	CITATIONS
19	Particle Swarm Optimization With a Balanceable Fitness Estimation for Many-Objective Optimization Problems. IEEE Transactions on Evolutionary Computation, 2018, 22, 32-46.	7.5	202
20	Multiobjective Cloud Workflow Scheduling: A Multiple Populations Ant Colony System Approach. IEEE Transactions on Cybernetics, 2019, 49, 2912-2926.	6.2	202
21	Hourly forecasting of solar irradiance based on CEEMDAN and multi-strategy CNN-LSTM neural networks. Renewable Energy, 2020, 162, 1665-1683.	4.3	200
22	Coevolutionary Particle Swarm Optimization With Bottleneck Objective Learning Strategy for Many-Objective Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 587-602.	7.5	194
23	Dynamic Group Learning Distributed Particle Swarm Optimization for Large-Scale Optimization and Its Application in Cloud Workflow Scheduling. IEEE Transactions on Cybernetics, 2020, 50, 2715-2729.	6.2	159
24	Automatic Niching Differential Evolution With Contour Prediction Approach for Multimodal Optimization Problems. IEEE Transactions on Evolutionary Computation, 2020, 24, 114-128.	7.5	156
25	Competitive and cooperative particle swarm optimization with information sharing mechanism for global optimization problems. Information Sciences, 2015, 293, 370-382.	4.0	154
26	Multimodal Estimation of Distribution Algorithms. IEEE Transactions on Cybernetics, 2017, 47, 636-650.	6.2	153
27	A deep learning approach to characterize 2019 coronavirus disease (COVID-19) pneumonia in chest CT images. European Radiology, 2020, 30, 6517-6527.	2.3	152
28	Optimizing the Vehicle Routing Problem With Time Windows: A Discrete Particle Swarm Optimization Approach. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 254-267.	3.3	150
29	Incremental Semi-Supervised Clustering Ensemble for High Dimensional Data Clustering. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 701-714.	4.0	150
30	Multiobjective Vehicle Routing Problems With Simultaneous Delivery and Pickup and Time Windows: Formulation, Instances, and Algorithms. IEEE Transactions on Cybernetics, 2016, 46, 582-594.	6.2	149
31	Adaptive Distributed Differential Evolution. IEEE Transactions on Cybernetics, 2020, 50, 4633-4647.	6.2	149
32	A survey on evolutionary computation for complex continuous optimization. Artificial Intelligence Review, 2022, 55, 59-110.	9.7	143
33	Ant Colony Optimization for Software Project Scheduling and Staffing with an Event-Based Scheduler. IEEE Transactions on Software Engineering, 2013, 39, 1-17.	4.3	140
34	Cloudde: A Heterogeneous Differential Evolution Algorithm and Its Distributed Cloud Version. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 704-716.	4.0	139
35	Triple Archives Particle Swarm Optimization. IEEE Transactions on Cybernetics, 2020, 50, 4862-4875.	6.2	139
36	Differential Evolution with an Evolution Path: A DEEP Evolutionary Algorithm. IEEE Transactions on Cybernetics, 2015, 45, 1798-1810.	6.2	134

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37	Coordinated Charging Scheduling of Electric Vehicles: A Mixed-Variable Differential Evolution Approach. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 5094-5109.	4.7	132
38	Segment-Based Predominant Learning Swarm Optimizer for Large-Scale Optimization. IEEE Transactions on Cybernetics, 2017, 47, 2896-2910.	6.2	131
39	A modified brain storm optimization. , 2012, , .		130
40	An Efficient Ant Colony System Based on Receding Horizon Control for the Aircraft Arrival Sequencing and Scheduling Problem. IEEE Transactions on Intelligent Transportation Systems, 2010, 11, 399-412.	4.7	129
41	A Novel Metal-Mountable Electrically Small Antenna for RFID Tag Applications With Practical Guidelines for the Antenna Design. IEEE Transactions on Antennas and Propagation, 2014, 62, 5820-5829.	3.1	125
42	An Ant Colony Optimization Approach for Maximizing the Lifetime of Heterogeneous Wireless Sensor Networks. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 408-420.	3.3	123
43	Adaptive Granularity Learning Distributed Particle Swarm Optimization for Large-Scale Optimization. IEEE Transactions on Cybernetics, 2021, 51, 1175-1188.	6.2	122
44	Dual-Strategy Differential Evolution With Affinity Propagation Clustering for Multimodal Optimization Problems. IEEE Transactions on Evolutionary Computation, 2018, 22, 894-908.	7.5	120
45	Path Planning for Autonomous Underwater Vehicles: An Ant Colony Algorithm Incorporating Alarm Pheromone. IEEE Transactions on Vehicular Technology, 2019, 68, 141-154.	3.9	119
46	A Differential Evolution Algorithm With Dual Populations for Solving Periodic Railway Timetable Scheduling Problem. IEEE Transactions on Evolutionary Computation, 2013, 17, 512-527.	7.5	118
47	An Efficient Resource Allocation Scheme Using Particle Swarm Optimization. IEEE Transactions on Evolutionary Computation, 2012, 16, 801-816.	7.5	117
48	Insights into removal mechanisms of bisphenol A and its analogues in municipal wastewater treatment plants. Science of the Total Environment, 2019, 692, 107-116.	3.9	116
49	Optimizing RFID Network Planning by Using a Particle Swarm Optimization Algorithm With Redundant Reader Elimination. IEEE Transactions on Industrial Informatics, 2012, 8, 900-912.	7.2	114
50	Hybrid Genetic Algorithm Using a Forward Encoding Scheme for Lifetime Maximization of Wireless Sensor Networks. IEEE Transactions on Evolutionary Computation, 2010, 14, 766-781.	7.5	113
51	A Self-Organizing Multiobjective Evolutionary Algorithm. IEEE Transactions on Evolutionary Computation, 2016, 20, 792-806.	7.5	113
52	Evolutionary Multitasking With Dynamic Resource Allocating Strategy. IEEE Transactions on Evolutionary Computation, 2019, 23, 858-869.	7.5	112
53	Boosting Data-Driven Evolutionary Algorithm With Localized Data Generation. IEEE Transactions on Evolutionary Computation, 2020, 24, 923-937.	7.5	111
54	Bi-Velocity Discrete Particle Swarm Optimization and Its Application to Multicast Routing Problem in Communication Networks. IEEE Transactions on Industrial Electronics, 2014, 61, 7141-7151.	5.2	106

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55	Toward Adaptive Knowledge Transfer in Multifactorial Evolutionary Computation. IEEE Transactions on Cybernetics, 2021, 51, 2563-2576.	6.2	104
56	Nonmotor symptoms are independently associated with impaired health-related quality of life in Chinese patients with Parkinson's disease. Movement Disorders, 2010, 25, 2740-2746.	2.2	101
57	Orthogonal Methods Based Ant Colony Search for Solving Continuous Optimization Problems. Journal of Computer Science and Technology, 2008, 23, 2-18.	0.9	97
58	Local Binary Pattern-Based Adaptive Differential Evolution for Multimodal Optimization Problems. IEEE Transactions on Cybernetics, 2020, 50, 3343-3357.	6.2	97
59	An External Archive-Guided Multiobjective Particle Swarm Optimization Algorithm. IEEE Transactions on Cybernetics, 2017, 47, 2794-2808.	6.2	96
60	Distributed Individuals for Multiple Peaks: A Novel Differential Evolution for Multimodal Optimization Problems. IEEE Transactions on Evolutionary Computation, 2020, 24, 708-719.	7.5	95
61	Explicit Evolutionary Multitasking for Combinatorial Optimization: A Case Study on Capacitated Vehicle Routing Problem. IEEE Transactions on Cybernetics, 2021, 51, 3143-3156.	6.2	95
62	Cooperative Differential Evolution With Multiple Populations for Multiobjective Optimization. IEEE Transactions on Cybernetics, 2016, 46, 2848-2861.	6.2	94
63	A Clustering-Based Evolutionary Algorithm for Many-Objective Optimization Problems. IEEE Transactions on Evolutionary Computation, 2019, 23, 391-405.	7.5	91
64	FDA Approval Summary: Alpelisib Plus Fulvestrant for Patients with HR-positive, HER2-negative, PIK3CA-mutated, Advanced or Metastatic Breast Cancer. Clinical Cancer Research, 2021, 27, 1842-1849.	3.2	90
65	Cooperative Differential Evolution Framework for Constrained Multiobjective Optimization. IEEE Transactions on Cybernetics, 2019, 49, 2060-2072.	6.2	89
66	A quantum-inspired genetic algorithm for k-means clustering. Expert Systems With Applications, 2010, 37, 4966-4973.	4.4	88
67	An Adaptive Archive-Based Evolutionary Framework for Many-Task Optimization. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 369-384.	3.4	86
68	SAFE: Scale-Adaptive Fitness Evaluation Method for Expensive Optimization Problems. IEEE Transactions on Evolutionary Computation, 2021, 25, 478-491.	7.5	86
69	Kuhn-Munkres Parallel Genetic Algorithm for the Set Cover Problem and Its Application to Large-Scale Wireless Sensor Networks. IEEE Transactions on Evolutionary Computation, 2016, 20, 695-710.	7.5	84
70	Cooperation coevolution with fast interdependency identification for large scale optimization. Information Sciences, 2017, 381, 142-160.	4.0	84
71	ACO-A*: Ant Colony Optimization Plus A* for 3-D Traveling in Environments With Dense Obstacles. IEEE Transactions on Evolutionary Computation, 2019, 23, 617-631.	7.5	81
72	Effects of Enterostomal Nurse Telephone Follow-up on Postoperative Adjustment of Discharged Colostomy Patients. Cancer Nursing, 2013, 36, 419-428.	0.7	80

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73	Adaptive Noise Immune Cluster Ensemble Using Affinity Propagation. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 3176-3189.	4.0	80
74	Cooperative Coevolutionary Bare-Bones Particle Swarm Optimization With Function Independent Decomposition for Large-Scale Supply Chain Network Design With Uncertainties. IEEE Transactions on Cybernetics, 2020, 50, 4454-4468.	6.2	78
75	Learning to Decompose: A Paradigm for Decomposition-Based Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 376-390.	7.5	77
76	Evolutionary deep learning: A survey. Neurocomputing, 2022, 483, 42-58.	3.5	77
77	HiSCF: leveraging higher-order structures for clustering analysis in biological networks. Bioinformatics, 2021, 37, 542-550.	1.8	76
78	Extended Ant Colony Optimization Algorithm for Power Electronic Circuit Design. IEEE Transactions on Power Electronics, 2009, 24, 147-162.	5.4	75
79	Reversed Dipper Blood-Pressure Pattern Is Closely Related to Severe Renal and Cardiovascular Damage in Patients with Chronic Kidney Disease. PLoS ONE, 2013, 8, e55419.	1.1	75
80	Distributed Cooperative Co-Evolution With Adaptive Computing Resource Allocation for Large Scale Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 188-202.	7.5	75
81	Fault Diagnosis of Photovoltaic Panels Using Dynamic Current-Voltage Characteristics. IEEE Transactions on Power Electronics, 2016, 31, 1588-1599.	5.4	74
82	Optimizing Discounted Cash Flows in Project Scheduling—An Ant Colony Optimization Approach. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2010, 40, 64-77.	3.3	72
83	A Distributed Swarm Optimizer With Adaptive Communication for Large-Scale Optimization. IEEE Transactions on Cybernetics, 2020, 50, 3393-3408.	6.2	72
84	Deadline constrained cloud computing resources scheduling for cost optimization based on dynamic objective genetic algorithm. , 2015, , .		71
85	UHF RFID Tag Antenna-Based Sensing for Corrosion Detection & Characterization Using Principal Component Analysis. IEEE Transactions on Antennas and Propagation, 2016, 64, 4405-4414.	3.1	70
86	First-year development of modules and hubs in infant brain functional networks. NeuroImage, 2019, 185, 222-235.	2.1	70
87	AntMapper: An Ant Colony-Based Map Matching Approach for Trajectory-Based Applications. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 390-401.	4.7	70
88	Implementation of an Ant Colony Optimization technique for job shop scheduling problem. Transactions of the Institute of Measurement and Control, 2006, 28, 93-108.	1.1	69
89	Distributed Differential Evolution Based on Adaptive Mergence and Split for Large-Scale Optimization. IEEE Transactions on Cybernetics, 2018, 48, 2166-2180.	6.2	68
90	Ant Colony Optimization for the Control of Pollutant Spreading on Social Networks. IEEE Transactions on Cybernetics, 2020, 50, 4053-4065.	6.2	68

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91	Neural Network-Based Information Transfer for Dynamic Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1557-1570.	7.2	68
92	A Classifier-Assisted Level-Based Learning Swarm Optimizer for Expensive Optimization. IEEE Transactions on Evolutionary Computation, 2021, 25, 219-233.	7.5	67
93	Development of Wireless MEMS Inclination Sensor System for Swing Monitoring of Large-Scale Hook Structures. IEEE Transactions on Industrial Electronics, 2009, 56, 1072-1078.	5.2	66
94	MicroRNAs miR-125b and miR-100 suppress metastasis of hepatocellular carcinoma by disrupting the formation of vessels that encapsulate tumour clusters. Journal of Pathology, 2016, 240, 450-460.	2.1	66
95	Historical and Heuristic-Based Adaptive Differential Evolution. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2623-2635.	5.9	66
96	Implementation of a decoupled optimization technique for design of switching regulators using genetic algorithms. IEEE Transactions on Power Electronics, 2001, 16, 752-763.	5.4	65
97	Data-Driven Evolutionary Algorithm With Perturbation-Based Ensemble Surrogates. IEEE Transactions on Cybernetics, 2021, 51, 3925-3937.	6.2	65
98	A Dynamic Logistic Dispatching System With Set-Based Particle Swarm Optimization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1607-1621.	5.9	62
99	Meta-Analysis of the Efficacy of Virtual Reality-Based Interventions in Cancer-Related Symptom Management. Integrative Cancer Therapies, 2019, 18, 153473541987110.	0.8	62
100	Region Encoding Helps Evolutionary Computation Evolve Faster: A New Solution Encoding Scheme in Particle Swarm for Large-Scale Optimization. IEEE Transactions on Evolutionary Computation, 2021, 25, 779-793.	7.5	62
101	SamACO: Variable Sampling Ant Colony Optimization Algorithm for Continuous Optimization. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 1555-1566.	5.5	61
102	Clustering by Local Gravitation. IEEE Transactions on Cybernetics, 2018, 48, 1383-1396.	6.2	61
103	Optimal Selection of Parameters for Nonuniform Embedding of Chaotic Time Series Using Ant Colony Optimization. IEEE Transactions on Cybernetics, 2013, 43, 790-802.	6.2	60
104	Set-Based Discrete Particle Swarm Optimization Based on Decomposition for Permutation-Based Multiobjective Combinatorial Optimization Problems. IEEE Transactions on Cybernetics, 2018, 48, 2139-2153.	6.2	59
105	A Multi-Objective Ant Colony System Algorithm for Airline Crew Rostering Problem With Fairness and Satisfaction. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 6784-6798.	4.7	57
106	Distributed Virtual Network Embedding System With Historical Archives and Set-Based Particle Swarm Optimization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 927-942.	5.9	56
107	Industry 4.0 with cyber-physical integration: A design and manufacture perspective. , 2015, , .		55
108	Solving Generalized Vehicle Routing Problem With Occasional Drivers via Evolutionary Multitasking. IEEE Transactions on Cybernetics, 2021, 51, 3171-3184.	6.2	55

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109	Large-scale evolutionary optimization: a survey and experimental comparative study. International Journal of Machine Learning and Cybernetics, 2020, 11, 729-745.	2.3	54
110	A Dual-Layer Broadband Compact UHF RFID Tag Antenna for Platform Tolerant Application. IEEE Transactions on Antennas and Propagation, 2013, 61, 4447-4455.	3.1	53
111	An Evolutionary Algorithm with Double-Level Archives for Multiobjective Optimization. IEEE Transactions on Cybernetics, 2015, 45, 1851-1863.	6.2	52
112	A random-based dynamic grouping strategy for large scale multi-objective optimization. , 2016, , .		52
113	Passive RFID sensor systems for crack detection & characterization. NDT and E International, 2017, 86, 89-99.	1.7	52
114	A Cooperative Co-Evolutionary Approach to Large-Scale Multisource Water Distribution Network Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 842-857.	7.5	52
115	Matrix-Based Evolutionary Computation. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 315-328.	3.4	52
116	Adaptive Semi-Supervised Classifier Ensemble for High Dimensional Data Classification. IEEE Transactions on Cybernetics, 2019, 49, 366-379.	6.2	51
117	Chaotic Time Series Prediction Using a Neuro-Fuzzy System with Time-Delay Coordinates. IEEE Transactions on Knowledge and Data Engineering, 2008, 20, 956-964.	4.0	50
118	A Meta-Knowledge Transfer-Based Differential Evolution for Multitask Optimization. IEEE Transactions on Evolutionary Computation, 2022, 26, 719-734.	7.5	49
119	A Maximal Clique Based Multiobjective Evolutionary Algorithm for Overlapping Community Detection. IEEE Transactions on Evolutionary Computation, 2016, , 1-1.	7.5	48
120	Efficient Hyperparameter Optimization for Convolution Neural Networks in Deep Learning: A Distributed Particle Swarm Optimization Approach. Cybernetics and Systems, 2021, 52, 36-57.	1.6	48
121	Evolutionary Computation for Expensive Optimization: A Survey. , 2022, 19, 3-23.		48
122	Adaptive Ensembling of Semi-Supervised Clustering Solutions. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 1577-1590.	4.0	47
123	An Efficient Ant Colony System Approach for New Energy Vehicle Dispatch Problem. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 4784-4797.	4.7	47
124	Semi-Supervised Ensemble Clustering Based on Selected Constraint Projection. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 2394-2407.	4.0	46
125	A tri-objective differential evolution approach for multimodal optimization. Information Sciences, 2018, 423, 1-23.	4.0	46
126	An Adaptive Stochastic Dominant Learning Swarm Optimizer for High-Dimensional Optimization. IEEE Transactions on Cybernetics, 2022, 52, 1960-1976.	6.2	46

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127	Distribution-Based Cluster Structure Selection. IEEE Transactions on Cybernetics, 2017, 47, 3554-3567.	6.2	45
128	Prevalence of major depressive disorder in older adults in China: A systematic review and meta-analysis. Journal of Affective Disorders, 2018, 241, 297-304.	2.0	45
129	Dirichlet Process Mixture Model for Document Clustering with Feature Partition. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 1748-1759.	4.0	44
130	A New Kind of Nonparametric Test for Statistical Comparison of Multiple Classifiers Over Multiple Datasets. IEEE Transactions on Cybernetics, 2017, 47, 4418-4431.	6.2	44
131	Forecasting Hourly Solar Irradiance Using Hybrid Wavelet Transformation and Elman Model in Smart Grid. IEEE Access, 2019, 7, 139909-139923.	2.6	44
132	Protective effect of Astragalus membranaceus on intestinal mucosa reperfusion injury after hemorrhagic shock in rats. World Journal of Gastroenterology, 2005, 11, 4986.	1.4	42
133	Comparison of Performance between Different Selection Strategies on Simple Genetic Algorithms. , 0, , .		41
134	Near-Real-Time Parameter Estimation of an Electrical Battery Model With Multiple Time Constants and SOC-Dependent Capacitance. IEEE Transactions on Power Electronics, 2014, 29, 5905-5920.	5.4	41
135	An Adaptive Estimation of Distribution Algorithm for Multipolicy Insurance Investment Planning. IEEE Transactions on Evolutionary Computation, 2019, 23, 1-14.	7.5	41
136	Pseudocoevolutionary genetic algorithms for power electronic circuits optimization. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2006, 36, 590-598.	3.3	40
137	Parameter-Free Voronoi Neighborhood for Evolutionary Multimodal Optimization. IEEE Transactions on Evolutionary Computation, 2020, 24, 335-349.	7.5	40
138	An Intelligent Cloud Workflow Scheduling System With Time Estimation and Adaptive Ant Colony Optimization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 634-649.	5.9	40
139	Generation-Level Parallelism for Evolutionary Computation: A Pipeline-Based Parallel Particle Swarm Optimization. IEEE Transactions on Cybernetics, 2021, 51, 4848-4859.	6.2	40
140	A set-based discrete PSO for cloud workflow scheduling with user-defined QoS constraints. , 2012, , .		39
141	Path Planning in Multiple-AUV Systems for Difficult Target Traveling Missions: A Hybrid Metaheuristic Approach. IEEE Transactions on Cognitive and Developmental Systems, 2020, 12, 561-574.	2.6	39
142	Distributed Memetic Algorithm for Outsourced Database Fragmentation. IEEE Transactions on Cybernetics, 2021, 51, 4808-4821.	6.2	39
143	Dynamic Cooperative Coevolution for Large Scale Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 935-948.	7.5	38
144	A novel discrete particle swarm optimization to solve traveling salesman problem. , 2007, , .		37

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145	Progressive subspace ensemble learning. Pattern Recognition, 2016, 60, 692-705.	5.1	37
146	Distributed Differential Evolution With Adaptive Resource Allocation. IEEE Transactions on Cybernetics, 2023, 53, 2791-2804.	6.2	37
147	Iterative learning control with initial rectifying action for nonlinear continuous systems. IET Control Theory and Applications, 2009, 3, 49-55.	1.2	36
148	Association of serum 8-hydroxy-2- β -deoxyguanosine levels with the presence and severity of coronary artery disease. Coronary Artery Disease, 2011, 22, 223-227.	0.3	36
149	A Miniaturized Via-Patch Loaded Dual-Layer RFID Tag Antenna for Metallic Object Applications. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1184-1187.	2.4	36
150	Effect of Valsartan With Bedtime Dosing on Chronic Kidney Disease Patients With Nondipping Blood Pressure Pattern. Journal of Clinical Hypertension, 2013, 15, 48-54.	1.0	36
151	Nonpharmacological interventions for cancer-related cognitive impairment in adult cancer patients: A network meta-analysis. International Journal of Nursing Studies, 2020, 104, 103514.	2.5	36
152	Serum immunoglobulin A³/C</sup>3 ratio predicts progression of immunoglobulin A nephropathy. Nephrology, 2013, 18, 125-131.	0.7	35
153	Ranking Vectors by Means of the Dominance Degree Matrix. IEEE Transactions on Evolutionary Computation, 2017, 21, 34-51.	7.5	35
154	Progressive Semisupervised Learning of Multiple Classifiers. IEEE Transactions on Cybernetics, 2018, 48, 689-702.	6.2	35
155	A Diversity-Enhanced Resource Allocation Strategy for Decomposition-Based Multiobjective Evolutionary Algorithm. IEEE Transactions on Cybernetics, 2018, 48, 2388-2401.	6.2	35
156	Multiple populations co-evolutionary particle swarm optimization for multi-objective cardinality constrained portfolio optimization problem. Neurocomputing, 2021, 430, 58-70.	3.5	35
157	Time series prediction using Lyapunov exponents in embedding phase space. Computers and Electrical Engineering, 2004, 30, 1-15.	3.0	34
158	Deadline Constrained Cloud Computing Resources Scheduling through an Ant Colony System Approach. , 2015, , .		34
159	Multipopulation Ant Colony System With Knowledge-Based Local Searches for Multiobjective Supply Chain Configuration. IEEE Transactions on Evolutionary Computation, 2022, 26, 512-526.	7.5	34
160	Evolutionary Computation for Intelligent Transportation in Smart Cities: A Survey [Review Article]. IEEE Computational Intelligence Magazine, 2022, 17, 83-102.	3.4	34
161	A qualitative study exploring the nurse telephone follow-up of patients returning home with a colostomy. Journal of Clinical Nursing, 2012, 21, 1407-1415.	1.4	33
162	Study on Pyrolysis Characteristics of Cross-linked Polyethylene Material Cable. Procedia Engineering, 2013, 52, 588-592.	1.2	33

#	ARTICLE	IF	CITATIONS
163	On Solving WCDMA Network Planning Using Iterative Power Control Scheme and Evolutionary Multiobjective Algorithm [Application Notes]. IEEE Computational Intelligence Magazine, 2014, 9, 44-52.	3.4	33
164	A Primary Theoretical Study on Decomposition-Based Multiobjective Evolutionary Algorithms. IEEE Transactions on Evolutionary Computation, 2016, 20, 563-576.	7.5	33
165	Stigma and its influencing factors among Chinese patients with stoma. Psycho-Oncology, 2018, 27, 1565-1571.	1.0	33
166	Hybrid Incremental Ensemble Learning for Noisy Real-World Data Classification. IEEE Transactions on Cybernetics, 2019, 49, 403-416.	6.2	33
167	Telephone follow-up for patients returning home with colostomies: Views and experiences of patients and enterostomal nurses. European Journal of Oncology Nursing, 2013, 17, 184-189.	0.9	32
168	High Prevalence of Isolated Nocturnal Hypertension in Chinese Patients With Chronic Kidney Disease. Journal of the American Heart Association, 2015, 4, e002025.	1.6	32
169	Tri-Goal Evolution Framework for Constrained Many-Objective Optimization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, , 1-14.	5.9	32
170	Random neighbor elite guided differential evolution for global numerical optimization. Information Sciences, 2022, 607, 1408-1438.	4.0	32
171	Parameter investigation in brain storm optimization. , 2013, , .		31
172	An Energy Aware Unified Ant Colony System for Dynamic Virtual Machine Placement in Cloud Computing. Energies, 2017, 10, 609.	1.6	31
173	Solving the Energy Efficient Coverage Problem in Wireless Sensor Networks: A Distributed Genetic Algorithm Approach with Hierarchical Fitness Evaluation. Energies, 2018, 11, 3526.	1.6	31
174	Performance Analysis of Evolutionary Algorithms for the Minimum Label Spanning Tree Problem. IEEE Transactions on Evolutionary Computation, 2014, 18, 860-872.	7.5	30
175	A hybrid differential evolution algorithm for mixed-variable optimization problems. Information Sciences, 2018, 466, 170-188.	4.0	30
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