

Yu-Jun Zheng

List of Publications by Citations

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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.

94
papers

1,941
citations

24
h-index

42
g-index

101
ext. papers

2,369
ext. citations

4.1
avg, IF

5.79
L-index

#	Paper	IF	Citations
94	Water wave optimization: A new nature-inspired metaheuristic. <i>Computers and Operations Research</i> , 2015 , 55, 1-11	4.6	324
93	A hybrid fireworks optimization method with differential evolution operators. <i>Neurocomputing</i> , 2015 , 148, 75-82	5.4	103
92	. <i>IEEE Transactions on Evolutionary Computation</i> , 2014 , 18, 70-81	15.6	93
91	Evolutionary optimization for disaster relief operations: A survey. <i>Applied Soft Computing Journal</i> , 2015 , 27, 553-566	7.5	90
90	Multiobjective fireworks optimization for variable-rate fertilization in oil crop production. <i>Applied Soft Computing Journal</i> , 2013 , 13, 4253-4263	7.5	90
89	Emergency transportation planning in disaster relief supply chain management: a cooperative fuzzy optimization approach. <i>Soft Computing</i> , 2013 , 17, 1301-1314	3.5	86
88	Ecogeography-based optimization: Enhancing biogeography-based optimization with ecogeographic barriers and differentiations. <i>Computers and Operations Research</i> , 2014 , 50, 115-127	4.6	79
87	A Hybrid Neuro-Fuzzy Network Based on Differential Biogeography-Based Optimization for Online Population Classification in Earthquakes. <i>IEEE Transactions on Fuzzy Systems</i> , 2015 , 23, 1070-1083	8.3	57
86	Artificial Intelligence in Civil Engineering. <i>Mathematical Problems in Engineering</i> , 2012 , 2012, 1-22	1.1	57
85	Emergency railway wagon scheduling by hybrid biogeography-based optimization. <i>Computers and Operations Research</i> , 2014 , 43, 1-8	4.6	50
84	Cooperative particle swarm optimization for multiobjective transportation planning. <i>Applied Intelligence</i> , 2013 , 39, 202-216	4.9	49
83	Airline Passenger Profiling Based on Fuzzy Deep Machine Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 2911-2923	10.3	49
82	An evolutionary deep neural network for predicting morbidity of gastrointestinal infections by food contamination. <i>Neurocomputing</i> , 2017 , 226, 16-22	5.4	45
81	Generative adversarial network based telecom fraud detection at the receiving bank. <i>Neural Networks</i> , 2018 , 102, 78-86	9.1	44
80	Localized biogeography-based optimization. <i>Soft Computing</i> , 2014 , 18, 2323-2334	3.5	44
79	A Pythagorean-Type Fuzzy Deep Denoising Autoencoder for Industrial Accident Early Warning. <i>IEEE Transactions on Fuzzy Systems</i> , 2017 , 25, 1561-1575	8.3	42
78	Fireworks Algorithm with Enhanced Fireworks Interaction. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2017 , 14, 42-55	3	34

77	Modeling of biological intelligence for SCM system optimization. <i>Computational and Mathematical Methods in Medicine</i> , 2012 , 2012, 769702	2.8	32
76	A hybrid biogeography-based optimization and fireworks algorithm 2014 ,		31
75	The impact of a public bicycle-sharing system on urban public transport networks. <i>Transportation Research, Part A: Policy and Practice</i> , 2018 , 107, 246-256	3.7	29
74	Bio-Inspired Optimization of Sustainable Energy Systems: A Review. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-12	1.1	28
73	Water wave optimization for combinatorial optimization: Design strategies and applications. <i>Applied Soft Computing Journal</i> , 2019 , 83, 105611	7.5	26
72	A new particle swarm optimization algorithm for fuzzy optimization of armored vehicle scheme design. <i>Applied Intelligence</i> , 2012 , 37, 520-526	4.9	24
71	Evolutionary Collaborative Human-UAV Search for Escaped Criminals. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 217-231	15.6	24
70	A simplified water wave optimization algorithm 2015 ,		23
69	Emergency Railway Transportation Planning Using a Hyper-Heuristic Approach. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2015 , 16, 321-329	6.1	23
68	Shallow and deep neural network training by water wave optimization. <i>Swarm and Evolutionary Computation</i> , 2019 , 50, 100561	9.8	19
67	. <i>IEEE Access</i> , 2019 , 7, 73480-73492	3.5	19
66	Improving Enhanced Fireworks Algorithm with New Gaussian Explosion and Population Selection Strategies. <i>Lecture Notes in Computer Science</i> , 2014 , 53-63	0.9	19
65	Predicting gastrointestinal infection morbidity based on environmental pollutants: Deep learning versus traditional models. <i>Ecological Indicators</i> , 2017 , 82, 76-81	5.8	18
64	Biogeographic harmony search for emergency air transportation. <i>Soft Computing</i> , 2016 , 20, 967-977	3.5	17
63	Real-time neural network scheduling of emergency medical mask production during COVID-19. <i>Applied Soft Computing Journal</i> , 2020 , 97, 106790	7.5	16
62	Integrated civilian-military pre-positioning of emergency supplies: A multiobjective optimization approach. <i>Applied Soft Computing Journal</i> , 2017 , 58, 732-741	7.5	15
61	Quarantine Vehicle Scheduling for Transferring High-Risk Individuals in Epidemic Areas. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	14
60	Bio-Inspired Meta-Heuristics for Emergency Transportation Problems. <i>Algorithms</i> , 2014 , 7, 15-31	1.8	14

59	Rescue Wings: Mobile Computing and Active Services Support for Disaster Rescue. <i>IEEE Transactions on Services Computing</i> , 2016 , 9, 594-607	4.8	13
58	Efficient multi-objective tabu search for emergency equipment maintenance scheduling in disaster rescue. <i>Optimization Letters</i> , 2013 , 7, 89-100	1.1	12
57	Emergency scheduling of engineering rescue tasks in disaster relief operations and its application in China. <i>International Transactions in Operational Research</i> , 2015 , 22, 503-518	2.9	12
56	A Hyper-Heuristic Method for UAV Search Planning. <i>Lecture Notes in Computer Science</i> , 2017 , 454-464	0.9	12
55	A simple greedy algorithm for a class of shuttle transportation problems. <i>Optimization Letters</i> , 2009 , 3, 491-497	1.1	11
54	Effects of Food Contamination on Gastrointestinal Morbidity: Comparison of Different Machine-Learning Methods. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	10
53	A Water Wave Optimization Algorithm with Variable Population Size and Comprehensive Learning. <i>Lecture Notes in Computer Science</i> , 2015 , 124-136	0.9	10
52	Evolutionary Human-UAV Cooperation for Transmission Network Restoration. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 1648-1657	11.9	9
51	Disaster Rescue Task Scheduling: An Evolutionary Multiobjective Optimization Approach. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2018 , 6, 288-300	4.1	8
50	Adaptive Parameters for a Modified Comprehensive Learning Particle Swarm Optimizer. <i>Mathematical Problems in Engineering</i> , 2012 , 2012, 1-11	1.1	8
49	A problem reduction based approach to discrete optimization algorithm design. <i>Computing (Vienna/New York)</i> , 2010 , 88, 31-54	2.2	8
48	. <i>IEEE Computational Intelligence Magazine</i> , 2020 , 15, 62-73	5.6	7
47	Collaborative Human-UAV Search and Rescue for Missing Tourists in Nature Reserves. <i>Interfaces</i> , 2019 , 49, 371-383	0.7	7
46	Tuning maturity model of ecogeography-based optimization on CEC 2015 single-objective optimization test problems 2015 ,		6
45	PAR: A Practicable Formal Method and Its Supporting Platform. <i>Lecture Notes in Computer Science</i> , 2018 , 70-86	0.9	6
44	Emergency Drug Procurement Planning Based on Big-Data Driven Morbidity Prediction. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 6379-6388	11.9	6
43	Distributed agent based cooperative differential evolution: A master-slave model 2012 ,		5
42	A-TEAM BASED SUPPLY CHAIN MANAGEMENT AGENT ARCHITECTURE. <i>International Journal on Artificial Intelligence Tools</i> , 2009 , 18, 801-823	0.9	5

41	Evaluating a Hybrid DE and BBO with Self Adaptation on ICSI 2014 Benchmark Problems. <i>Lecture Notes in Computer Science</i> , 2014 , 422-433	0.9	5
40	Tridirectional Transfer Learning for Predicting Gastric Cancer Morbidity. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 561-574	10.3	5
39	Emergency Train Scheduling on Chinese High-Speed Railways. <i>Transportation Science</i> , 2018 , 52, 1077-1091	14	4
38	A Simplified Biogeography-Based Optimization Using a Ring Topology. <i>Lecture Notes in Computer Science</i> , 2013 , 330-337	0.9	4
37	Biogeography-Based Optimization in Machine Learning 2019 , 199-217		4
36	Toward an Automatic Approach to Greedy Algorithms. <i>Lecture Notes in Computer Science</i> , 2009 , 302-313	0.9	3
35	Multi-Objective Optimization of Integrated Civilian-Military Scheduling of Medical Supplies for Epidemic Prevention and Control. <i>Healthcare (Switzerland)</i> , 2021 , 9,	3.4	3
34	An A-Team Based Architecture for Constraint Programming. <i>Lecture Notes in Computer Science</i> , 2006 , 552-557	0.9	3
33	Adaptive Multisubpopulation Competition and Multiniche Crowding-Based Memetic Algorithm for Automatic Data Clustering. <i>IEEE Transactions on Evolutionary Computation</i> , 2016 , 1-1	15.6	2
32	Evolutionary Optimization of Airport Security Inspection Allocation. <i>Lecture Notes in Computer Science</i> , 2017 , 716-726	0.9	2
31	A Water Wave Optimization Algorithm for Order Selection and Delivery Path Optimization for Takeaway Deliverymen 2021 ,		2
30	Enhanced Biogeography-Based Optimization for Flow-Shop Scheduling. <i>Communications in Computer and Information Science</i> , 2018 , 295-306	0.3	2
29	A Hybrid Evolutionary Algorithm for Combined Road-Rail Emergency Transportation Planning. <i>Lecture Notes in Computer Science</i> , 2018 , 465-476	0.9	1
28	Hyper-heuristics with penalty parameter adaptation for constrained optimization 2014 ,		1
27	An algebraic approach to mechanical tabu search algorithm generation 2010 ,		1
26	Formal Programming for the Shortest Path and Its Critical Edge Problems 2007 ,		1
25	2006 ,		1
24	UAV search-and-rescue planning using an adaptive memetic algorithm. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2021 , 22, 1477-1491	2.2	1

23	Object-Oriented Specification Composition and Refinement Via Category Theoretic Computations. <i>Lecture Notes in Computer Science</i> , 2006 , 601-610	0.9	1
22	Biogeography-Based Optimization 2019 , 27-49		1
21	Ecogeography-Based Optimization: Enhanced by Ecogeographic Barriers and Differentiations 2019 , 69-87		1
20	Water Wave Optimization with Self-adaptive Directed Propagation. <i>Communications in Computer and Information Science</i> , 2020 , 493-505	0.3	1
19	Agent Based Framework for Emergency Rescue and Assistance Planning 2007 , 70-81		1
18	A Differential Evolution Algorithm With Adaptive Niching and K-Means Operation for Data Clustering. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	1
17	A Biogeography-Based Memetic Algorithm for Job-Shop Scheduling. <i>Communications in Computer and Information Science</i> , 2018 , 273-284	0.3	1
16	Water Wave Optimization for Artificial Neural Network Parameter and Structure Optimization. <i>Communications in Computer and Information Science</i> , 2018 , 343-354	0.3	1
15	Co-evolutionary Fuzzy Deep Transfer Learning for Disaster Relief Demand Forecasting. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2021 , 1-1	4.1	1
14	Optimization Problems and Algorithms 2019 , 1-25		0
13	Hybrid Biogeography-Based Optimization Algorithms 2019 , 89-115		0
12	Application of Biogeography-Based Optimization in Image Processing 2019 , 177-198		0
11	Hybrid evolutionary optimization for takeaway order selection and delivery path planning utilizing habit data. <i>Complex & Intelligent Systems</i> ,1	7.1	0
10	Adapted water wave optimization for integrated bank customer service representative scheduling. <i>International Journal of Production Research</i> ,1-16	7.8	0
9	An Intelligent Algorithm for AGV Scheduling in Intelligent Warehouses. <i>Lecture Notes in Computer Science</i> , 2021 , 163-173	0.9	0
8	Optimization of False Target Jamming against UAV Detection. <i>Drones</i> , 2022 , 6, 114	5.4	0
7	An Algebraic Approach to Population-Based Evolutionary Algorithm Generation. <i>Electronic Notes in Theoretical Computer Science</i> , 2014 , 309, 95-107	0.7	
6	From Mathematics to Software Engineering: Introducing Category Theory into the Computer Science Curriculum. <i>Lecture Notes in Computer Science</i> , 2007 , 469-476	0.9	

- 5 Application of Biogeography-Based Optimization in Job Scheduling **2019**, 143-175
- 4 Application of Biogeography-Based Optimization in Transportation **2019**, 117-142
- 3 Localized Biogeography-Based Optimization: Enhanced By Local Topologies **2019**, 51-67
- 2 A Knowledge-Driven Approach to Web-Based Learning for Formal Algorithm Development. *Lecture Notes in Computer Science*, **2011**, 237-245 0.9
- 1 Water Wave Optimization with Distributed-Learning Refraction. *Communications in Computer and Information Science*, **2022**, 187-200 0.3