

Yong Wang

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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.

69

papers

4,815

citations

31

h-index

69

g-index

75

ext. papers

5,959

ext. citations

7.7

avg. IF

6.37

L-index

#	Paper	IF	Citations
69	Differential Evolution With Composite Trial Vector Generation Strategies and Control Parameters. <i>IEEE Transactions on Evolutionary Computation</i> , 2011 , 15, 55-66	15.6	1009
68	Hybridizing particle swarm optimization with differential evolution for constrained numerical and engineering optimization. <i>Applied Soft Computing Journal</i> , 2010 , 10, 629-640	7.5	453
67	Combining Multiobjective Optimization With Differential Evolution to Solve Constrained Optimization Problems. <i>IEEE Transactions on Evolutionary Computation</i> , 2012 , 16, 117-134	15.6	251
66	A Multiobjective Optimization-Based Evolutionary Algorithm for Constrained Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2006 , 10, 658-675	15.6	241
65	. <i>IEEE Transactions on Evolutionary Computation</i> , 2008 , 12, 80-92	15.6	218
64	Differential evolution based on covariance matrix learning and bimodal distribution parameter setting. <i>Applied Soft Computing Journal</i> , 2014 , 18, 232-247	7.5	199
63	Enhancing the search ability of differential evolution through orthogonal crossover. <i>Information Sciences</i> , 2012 , 185, 153-177	7.7	182
62	Multiobjective optimization and hybrid evolutionary algorithm to solve constrained optimization problems. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2007 , 37, 560-75		182
61	Constrained optimization based on hybrid evolutionary algorithm and adaptive constraint-handling technique. <i>Structural and Multidisciplinary Optimization</i> , 2009 , 37, 395-413	3.6	159
60	MOMMOP: multiobjective optimization for locating multiple optimal solutions of multimodal optimization problems. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 830-43	10.2	110
59	Multiobjective Vehicle Routing Problems With Simultaneous Delivery and Pickup and Time Windows: Formulation, Instances, and Algorithms. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 582-94	10.2	107
58	Incorporating Objective Function Information Into the Feasibility Rule for Constrained Evolutionary Optimization. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 2938-2952	10.2	103
57	An improved (H)-constrained differential evolution for constrained optimization. <i>Information Sciences</i> , 2013 , 222, 302-322	7.7	101
56	Joint Deployment and Task Scheduling Optimization for Large-Scale Mobile Users in Multi-UAV-Enabled Mobile Edge Computing. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 3984-3997	10.2	83
55	Handling Constrained Multiobjective Optimization Problems With Constraints in Both the Decision and Objective Spaces. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 870-884	15.6	79
54	Constrained evolutionary optimization by means of (L)-differential evolution and improved adaptive trade-off model. <i>Evolutionary Computation</i> , 2011 , 19, 249-85	4.3	69
53	AnD: A many-objective evolutionary algorithm with angle-based selection and shift-based density estimation. <i>Information Sciences</i> , 2020 , 509, 400-419	7.7	63

52	. <i>IEEE Transactions on Evolutionary Computation</i> , 2015 , 19, 414-431	15.6	62
51	Differential Evolution With a New Encoding Mechanism for Optimizing Wind Farm Layout. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 1040-1054	11.9	62
50	A dynamic hybrid framework for constrained evolutionary optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2012 , 42, 203-17		61
49	Utilizing cumulative population distribution information in differential evolution. <i>Applied Soft Computing Journal</i> , 2016 , 48, 329-346	7.5	60
48	Evolutionary Constrained Multiobjective Optimization: Test Suite Construction and Performance Comparisons. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 972-986	15.6	59
47	Global and Local Surrogate-Assisted Differential Evolution for Expensive Constrained Optimization Problems With Inequality Constraints. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 1642-1656	10.2	57
46	A hybrid multi-swarm particle swarm optimization to solve constrained optimization problems. <i>Frontiers of Computer Science</i> , 2009 , 3, 38-52		56
45	Composite Differential Evolution for Constrained Evolutionary Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 1482-1495	7.3	54
44	Scalarizing Functions in Decomposition-Based Multiobjective Evolutionary Algorithms. <i>IEEE Transactions on Evolutionary Computation</i> , 2018 , 22, 296-313	15.6	48
43	Finding Multiple Roots of Nonlinear Equation Systems via a Repulsion-Based Adaptive Differential Evolution. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 1499-1513	7.3	48
42	A Two-Phase Differential Evolution for Uniform Designs in Constrained Experimental Domains. <i>IEEE Transactions on Evolutionary Computation</i> , 2017 , 21, 665-680	15.6	47
41	Accelerating adaptive trade-off model using shrinking space technique for constrained evolutionary optimization. <i>International Journal for Numerical Methods in Engineering</i> , 2009 , 77, 1501-1534	3.4	43
40	A Weighted Biobjective Transformation Technique for Locating Multiple Optimal Solutions of Nonlinear Equation Systems. <i>IEEE Transactions on Evolutionary Computation</i> , 2017 , 21, 697-713	15.6	41
39	An orthogonal design based constrained evolutionary optimization algorithm. <i>Engineering Optimization</i> , 2007 , 39, 715-736	2	37
38	A Bilevel Optimization Approach for Joint Offloading Decision and Resource Allocation in Cooperative Mobile Edge Computing. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 4228-4241	10.2	31
37	Community Detection in Social and Biological Networks Using Differential Evolution. <i>Lecture Notes in Computer Science</i> , 2012 , 71-85	0.9	30
36	Decomposition-Based Multiobjective Optimization for Constrained Evolutionary Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 574-587	7.3	30
35	Utilizing the Correlation Between Constraints and Objective Function for Constrained Evolutionary Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 29-43	15.6	26

34	A comparative study of constraint-handling techniques in evolutionary constrained multiobjective optimization 2016 ,		25
33	A regularity model-based multiobjective estimation of distribution algorithm with reducing redundant cluster operator. <i>Applied Soft Computing Journal</i> , 2012 , 12, 3526-3538	7.5	24
32	Constrained Optimization Evolutionary Algorithms. <i>Ruan Jian Xue Bao/Journal of Software</i> , 2009 , 20, 11-29		23
31	Differential Evolution With a Variable Population Size for Deployment Optimization in a UAV-Assisted IoT Data Collection System. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020 , 4, 324-335	4.1	23
30	Indicator-Based Constrained Multiobjective Evolutionary Algorithms. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 1-13	7.3	21
29	An Adaptive Framework to Tune the Coordinate Systems in Nature-Inspired Optimization Algorithms. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 1403-1416	10.2	21
28	On the selection of solutions for mutation in differential evolution. <i>Frontiers of Computer Science</i> , 2018 , 12, 297-315	2.2	21
27	A Review on Computational Intelligence Techniques in Cloud and Edge Computing. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020 , 4, 742-763	4.1	20
26	Incorporating PLS model information into particle swarm optimization for descriptor selection in QSAR/QSPR. <i>Journal of Chemometrics</i> , 2015 , 29, 627-636	1.6	16
25	Hybrid Self-Adaptive Orthogonal Genetic Algorithm for Solving Global Optimization Problems. <i>Ruan Jian Xue Bao/Journal of Software</i> , 2010 , 21, 1296-1307		16
24	Stability analysis for impulsive fractional hybrid systems via variational Lyapunov method. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017 , 45, 140-157	3.7	14
23	Dimensionality reduction in evolutionary algorithms-based feature selection for motor imagery brain-computer interface. <i>Swarm and Evolutionary Computation</i> , 2020 , 52, 100597	9.8	12
22	A New Fitness Function With Two Rankings for Evolutionary Constrained Multiobjective Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 1-12	7.3	12
21	Evolutionary dynamic constrained optimization: Test suite construction and algorithm comparisons. <i>Swarm and Evolutionary Computation</i> , 2019 , 50, 100559	9.8	11
20	Energy-efficient trajectory planning for a multi-UAV-assisted mobile edge computing system. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2020 , 21, 1713-1725	2.2	11
19	Matsuoka's CPG With Desired Rhythmic Signals for Adaptive Walking of Humanoid Robots. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 613-626	10.2	11
18	Bidirectional Mapping Generative Adversarial Networks for Brain MR to PET Synthesis. <i>IEEE Transactions on Medical Imaging</i> , 2021 , PP,	11.7	11
17	Performance Analysis of the (1+1) Evolutionary Algorithm for the Multiprocessor Scheduling Problem. <i>Algorithmica</i> , 2015 , 73, 21-41	0.9	10

16	. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 1150-1163	15.6	10
15	ECoFFeS: A Software Using Evolutionary Computation for Feature Selection in Drug Discovery. <i>IEEE Access</i> , 2018 , 6, 20950-20963	3.5	9
14	Collaboration and Resource Sharing in the Multidepot Multiperiod Vehicle Routing Problem with Pickups and Deliveries. <i>Sustainability</i> , 2020 , 12, 5966	3.6	7
13	A new differential evolution algorithm for joint mining decision and resource allocation in a MEC-enabled wireless blockchain network. <i>Computers and Industrial Engineering</i> , 2021 , 155, 107186	6.4	6
12	Shift-Based Penalty for Evolutionary Constrained Multiobjective Optimization and Its Application. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	5
11	A good nodes set evolution strategy for constrained optimization 2007 ,		4
10	Hybrid differential evolution and adaptive trade-off model to solve constrained optimization problems 2010 ,		2
9	Simple-Encoded evolving convolutional neural network and its application to skin disease image classification. <i>Swarm and Evolutionary Computation</i> , 2021 , 67, 100955	9.8	2
8	A new constrained optimization evolutionary algorithm by using good point set 2007 ,		1
7	Deep metric attention learning for skin lesion classification in dermoscopy images. <i>Complex & Intelligent Systems</i> , 2022 , 8, 1487	7.1	1
6	Surrogate-Assisted Differential Evolution with Region Division for Expensive Optimization Problems with Discontinuous Responses. <i>IEEE Transactions on Evolutionary Computation</i> , 2021 , 1-1	15.6	1
5	Evolutionary Sensor Placement for Spatiotemporal Modeling of Battery Thermal Process. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	1
4	Multisurrogate-Assisted Ant Colony Optimization for Expensive Optimization Problems With Continuous and Categorical Variables. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	1
3	A Biobjective Perspective for Mixed-Integer Programming. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-12	7.3	0
2	Analysis of Solution Quality of a Multiobjective Optimization-Based Evolutionary Algorithm for Knapsack Problem. <i>Lecture Notes in Computer Science</i> , 2015 , 74-85	0.9	
1	A Novel Teacher-Assistance-Based Method to Detect and Handle Bad Training Demonstrations in Learning from Demonstration. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2021 , 1-1	3	