

# Ye Tian

## 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.

51  
papers

3,079  
citations

20  
h-index

53  
g-index

53  
ext. papers

4,411  
ext. citations

8.4  
avg, IF

6.17  
L-index

#	Paper	IF	Citations
51	PlatEMO: A MATLAB Platform for Evolutionary Multi-Objective Optimization [Educational Forum]. <i>IEEE Computational Intelligence Magazine</i> , <b>2017</b> , 12, 73-87	5.6	645
50	A Knee Point-Driven Evolutionary Algorithm for Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2015</b> , 19, 761-776	15.6	449
49	An Efficient Approach to Nondominated Sorting for Evolutionary Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2015</b> , 19, 201-213	15.6	296
48	An Indicator-Based Multiobjective Evolutionary Algorithm With Reference Point Adaptation for Better Versatility. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2018</b> , 22, 609-622	15.6	251
47	A Decision Variable Clustering-Based Evolutionary Algorithm for Large-Scale Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2018</b> , 22, 97-112	15.6	203
46	A benchmark test suite for evolutionary many-objective optimization. <i>Complex &amp; Intelligent Systems</i> , <b>2017</b> , 3, 67-81	7.1	187
45	A Classification-Based Surrogate-Assisted Evolutionary Algorithm for Expensive Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2019</b> , 23, 74-88	15.6	134
44	A Strengthened Dominance Relation Considering Convergence and Diversity for Evolutionary Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2019</b> , 23, 331-345	15.6	101
43	An Evolutionary Algorithm for Large-Scale Sparse Multiobjective Optimization Problems. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2020</b> , 24, 380-393	15.6	81
42	Accelerating Large-Scale Multiobjective Optimization via Problem Reformulation. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2019</b> , 23, 949-961	15.6	78
41	A radial space division based evolutionary algorithm for many-objective optimization. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 61, 603-621	7.5	64
40	Effectiveness and efficiency of non-dominated sorting for evolutionary multi- and many-objective optimization. <i>Complex &amp; Intelligent Systems</i> , <b>2017</b> , 3, 247-263	7.1	63
39	Efficient Large-Scale Multiobjective Optimization Based on a Competitive Swarm Optimizer. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 3696-3708	10.2	60
38	A Coevolutionary Framework for Constrained Multiobjective Optimization Problems. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2021</b> , 25, 102-116	15.6	59
37	Diversity Assessment of Multi-Objective Evolutionary Algorithms: Performance Metric and Benchmark Problems [Research Frontier]. <i>IEEE Computational Intelligence Magazine</i> , <b>2019</b> , 14, 61-74	5.6	41
36	Hyperplane Assisted Evolutionary Algorithm for Many-Objective Optimization Problems. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 3367-3380	10.2	36
35	Solving Large-Scale Multiobjective Optimization Problems With Sparse Optimal Solutions via Unsupervised Neural Networks. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 3115-3128	10.2	33

34	Sampling Reference Points on the Pareto Fronts of Benchmark Multi-Objective Optimization Problems <b>2018</b> ,		28
33	Evolutionary Large-Scale Multiobjective Optimization for Ratio Error Estimation of Voltage Transformers. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2020</b> , 24, 868-881	15.6	25
32	Guiding Evolutionary Multiobjective Optimization With Generic Front Modeling. <i>IEEE Transactions on Cybernetics</i> , <b>2020</b> , 50, 1106-1119	10.2	21
31	A repository of real-world datasets for data-driven evolutionary multiobjective optimization. <i>Complex &amp; Intelligent Systems</i> , <b>2020</b> , 6, 189-197	7.1	19
30	A multi-stage evolutionary algorithm for multi-objective optimization with complex constraints. <i>Information Sciences</i> , <b>2021</b> , 560, 68-91	7.7	17
29	A Surrogate-Assisted Multiobjective Evolutionary Algorithm for Large-Scale Task-Oriented Pattern Mining. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , <b>2019</b> , 3, 106-116	4.1	16
28	A non-revisiting genetic algorithm based on a novel binary space partition tree. <i>Information Sciences</i> , <b>2020</b> , 512, 661-674	7.7	15
27	Balancing Objective Optimization and Constraint Satisfaction in Constrained Evolutionary Multiobjective Optimization. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	15
26	A Multistage Evolutionary Algorithm for Better Diversity Preservation in Multiobjective Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2020</b> , 1-15	7.3	14
25	A Multipopulation Evolutionary Algorithm for Solving Large-Scale Multimodal Multiobjective Optimization Problems. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2021</b> , 25, 405-418	15.6	14
24	An Evolutionary Multiobjective Optimization Based Fuzzy Method for Overlapping Community Detection. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 28, 2841-2855	8.3	14
23	A Clustering-Based Surrogate-Assisted Multiobjective Evolutionary Algorithm for Shelter Location Problem Under Uncertainty of Road Networks. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 7544-7555	11.9	12
22	Evolutionary Large-Scale Multi-Objective Optimization: A Survey. <i>ACM Computing Surveys</i> , <b>2022</b> , 54, 1-34	13.4	12
21	A Recommender System for Metaheuristic Algorithms for Continuous Optimization Based on Deep Recurrent Neural Networks. <i>IEEE Transactions on Artificial Intelligence</i> , <b>2020</b> , 1, 5-18	4.7	12
20	An improved reference point sampling method on Pareto optimal front <b>2016</b> ,		9
19	Paired Offspring Generation for Constrained Large-Scale Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2021</b> , 25, 448-462	15.6	7
18	A Pairwise Proximity Learning-Based Ant Colony Algorithm for Dynamic Vehicle Routing Problems. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 1-12	6.1	7
17	A Gradient-Guided Evolutionary Approach to Training Deep Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2021</b> , PP,	10.3	7

16	Iterated Problem Reformulation for Evolutionary Large-Scale Multiobjective Optimization <b>2020</b> ,		6
15	EMODMI: A Multi-Objective Optimization Based Method to Identify Disease Modules. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , <b>2021</b> , 5, 570-582	4.1	6
14	A Pattern Mining-Based Evolutionary Algorithm for Large-Scale Sparse Multiobjective Optimization Problems. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	5
13	Deep Reinforcement Learning Based Adaptive Operator Selection for Evolutionary Multi-Objective Optimization. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , <b>2022</b> , 1-14	4.1	4
12	Automated Selection of Evolutionary Multi-objective Optimization Algorithms <b>2019</b> ,		3
11	A Variable Importance-Based Differential Evolution for Large-Scale Multiobjective Optimization. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , PP,	10.2	2
10	A Dual-Population Based Evolutionary Algorithm for Multi-Objective Location Problem Under Uncertainty of Facilities. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 1-16	6.1	2
9	An evolutionary algorithm for solving Capacitated Vehicle Routing Problems by using local information. <i>Applied Soft Computing Journal</i> , <b>2022</b> , 117, 108431	7.5	1
8	Improved SparseEA for sparse large-scale multi-objective optimization problems. <i>Complex &amp; Intelligent Systems</i> ,1	7.1	1
7	A Comparison Study of Evolutionary Algorithms on Large-Scale Sparse Multi-objective Optimization Problems. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 424-437	0.9	1
6	A Fast Clustering Based Evolutionary Algorithm for Super-Large-Scale Sparse Multi-Objective Optimization. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2022</b> , 1-16	7	1
5	Action Command Encoding for Surrogate Assisted Neural Architecture Search. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , <b>2021</b> , 1-1	3	0
4	Learning to Accelerate Evolutionary Search for Large-Scale Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2022</b> , 1-1	15.6	0
3	Accelerating Evolutionary Neural Architecture Search via Multi-Fidelity Evaluation. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , <b>2022</b> , 1-1	3	0
2	Evolutionary Algorithm for Solving Complex Multiobjective Optimization Problems <b>2019</b> , 107-132		
1	A conjugate gradient-assisted multi-objective evolutionary algorithm for fluence map optimization in radiotherapy treatment. <i>Complex &amp; Intelligent Systems</i> ,1	7.1	