Ye Tian

List of Publications by Year in Descending Order

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	An evolutionary algorithm for solving Capacitated Vehicle Routing Problems by using local information. *Applied Soft Computing Journal*, **2022**, 117, 108431	7.5	1
50	Deep Reinforcement Learning Based Adaptive Operator Selection for Evolutionary Multi-Objective Optimization. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2022**, 1-14	4.1	4
49	Evolutionary Large-Scale Multi-Objective Optimization: A Survey. *ACM Computing Surveys*, **2022**, 54, 1-34	13.4	12
48	Learning to Accelerate Evolutionary Search for Large-Scale Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2022**, 1-1	15.6	0
47	A Fast Clustering Based Evolutionary Algorithm for Super-Large-Scale Sparse Multi-Objective Optimization. *IEEE/CAA Journal of Automatica Sinica*, **2022**, 1-16	7	1
46	Accelerating Evolutionary Neural Architecture Search via Multi-Fidelity Evaluation. *IEEE Transactions on Cognitive and Developmental Systems*, **2022**, 1-1	3	0
45	A Multipopulation Evolutionary Algorithm for Solving Large-Scale Multimodal Multiobjective Optimization Problems. *IEEE Transactions on Evolutionary Computation*, **2021**, 25, 405-418	15.6	14
44	Paired Offspring Generation for Constrained Large-Scale Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2021**, 25, 448-462	15.6	7
43	A multi-stage evolutionary algorithm for multi-objective optimization with complex constraints. *Information Sciences*, **2021**, 560, 68-91	7.7	17
42	Solving Large-Scale Multiobjective Optimization Problems With Sparse Optimal Solutions via Unsupervised Neural Networks. *IEEE Transactions on Cybernetics*, **2021**, 51, 3115-3128	10.2	33
41	A Coevolutionary Framework for Constrained Multiobjective Optimization Problems. *IEEE Transactions on Evolutionary Computation*, **2021**, 25, 102-116	15.6	59
40	EMODMI: A Multi-Objective Optimization Based Method to Identify Disease Modules. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2021**, 5, 570-582	4.1	6
39	A Variable Importance-Based Differential Evolution for Large-Scale Multiobjective Optimization. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	2
38	A Pairwise Proximity Learning-Based Ant Colony Algorithm for Dynamic Vehicle Routing Problems. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 1-12	6.1	7
37	Balancing Objective Optimization and Constraint Satisfaction in Constrained Evolutionary Multiobjective Optimization. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	15
36	A Dual-Population Based Evolutionary Algorithm for Multi-Objective Location Problem Under Uncertainty of Facilities. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 1-16	6.1	2
35	A Pattern Mining-Based Evolutionary Algorithm for Large-Scale Sparse Multiobjective Optimization Problems. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	5

34	A Comparison Study of Evolutionary Algorithms on Large-Scale Sparse Multi-objective Optimization Problems. *Lecture Notes in Computer Science*, **2021**, 424-437	0.9	1
33	Action Command Encoding for Surrogate Assisted Neural Architecture Search. *IEEE Transactions on Cognitive and Developmental Systems*, **2021**, 1-1	3	0
32	A Gradient-Guided Evolutionary Approach to Training Deep Neural Networks. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	7
31	A Clustering-Based Surrogate-Assisted Multiobjective Evolutionary Algorithm for Shelter Location Problem Under Uncertainty of Road Networks. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 7544-7555	11.9	12
30	Evolutionary Large-Scale Multiobjective Optimization for Ratio Error Estimation of Voltage Transformers. *IEEE Transactions on Evolutionary Computation*, **2020**, 24, 868-881	15.6	25
29	A Multistage Evolutionary Algorithm for Better Diversity Preservation in Multiobjective Optimization. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-15	7.3	14
28	A repository of real-world datasets for data-driven evolutionary multiobjective optimization. *Complex & Intelligent Systems*, **2020**, 6, 189-197	7.1	19
27	Iterated Problem Reformulation for Evolutionary Large-Scale Multiobjective Optimization **2020**,		6
26	A Recommender System for Metaheuristic Algorithms for Continuous Optimization Based on Deep Recurrent Neural Networks. *IEEE Transactions on Artificial Intelligence*, **2020**, 1, 5-18	4.7	12
25	Guiding Evolutionary Multiobjective Optimization With Generic Front Modeling. *IEEE Transactions on Cybernetics*, **2020**, 50, 1106-1119	10.2	21
24	An Evolutionary Algorithm for Large-Scale Sparse Multiobjective Optimization Problems. *IEEE Transactions on Evolutionary Computation*, **2020**, 24, 380-393	15.6	81
23	Efficient Large-Scale Multiobjective Optimization Based on a Competitive Swarm Optimizer. *IEEE Transactions on Cybernetics*, **2020**, 50, 3696-3708	10.2	60
22	Hyperplane Assisted Evolutionary Algorithm for Many-Objective Optimization Problems. *IEEE Transactions on Cybernetics*, **2020**, 50, 3367-3380	10.2	36
21	An Evolutionary Multiobjective Optimization Based Fuzzy Method for Overlapping Community Detection. *IEEE Transactions on Fuzzy Systems*, **2020**, 28, 2841-2855	8.3	14
20	A non-revisiting genetic algorithm based on a novel binary space partition tree. *Information Sciences*, **2020**, 512, 661-674	7.7	15
19	Accelerating Large-Scale Multiobjective Optimization via Problem Reformulation. *IEEE Transactions on Evolutionary Computation*, **2019**, 23, 949-961	15.6	78
18	A Strengthened Dominance Relation Considering Convergence and Diversity for Evolutionary Many-Objective Optimization. *IEEE Transactions on Evolutionary Computation*, **2019**, 23, 331-345	15.6	101
17	Diversity Assessment of Multi-Objective Evolutionary Algorithms: Performance Metric and Benchmark Problems [Research Frontier]. *IEEE Computational Intelligence Magazine*, **2019**, 14, 61-74	5.6	41

16	Evolutionary Algorithm for Solving Complex Multiobjective Optimization Problems **2019**, 107-132		
15	Automated Selection of Evolutionary Multi-objective Optimization Algorithms **2019**,		3
14	A Surrogate-Assisted Multiobjective Evolutionary Algorithm for Large-Scale Task-Oriented Pattern Mining. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2019**, 3, 106-116	4.1	16
13	A Classification-Based Surrogate-Assisted Evolutionary Algorithm for Expensive Many-Objective Optimization. *IEEE Transactions on Evolutionary Computation*, **2019**, 23, 74-88	15.6	134
12	An Indicator-Based Multiobjective Evolutionary Algorithm With Reference Point Adaptation for Better Versatility. *IEEE Transactions on Evolutionary Computation*, **2018**, 22, 609-622	15.6	251
11	A Decision Variable Clustering-Based Evolutionary Algorithm for Large-Scale Many-Objective Optimization. *IEEE Transactions on Evolutionary Computation*, **2018**, 22, 97-112	15.6	203
10	Sampling Reference Points on the Pareto Fronts of Benchmark Multi-Objective Optimization Problems **2018**,		28
9	A benchmark test suite for evolutionary many-objective optimization. *Complex & Intelligent Systems* , **2017**, 3, 67-81	7.1	187
8	Effectiveness and efficiency of non-dominated sorting for evolutionary multi- and many-objective optimization. *Complex & Intelligent Systems*, **2017**, 3, 247-263	7.1	63
7	A radial space division based evolutionary algorithm for many-objective optimization. *Applied Soft Computing Journal*, **2017**, 61, 603-621	7.5	64
6	PlatEMO: A MATLAB Platform for Evolutionary Multi-Objective Optimization [Educational Forum]. *IEEE Computational Intelligence Magazine*, **2017**, 12, 73-87	5.6	645
5	An improved reference point sampling method on Pareto optimal front **2016**,		9
4	A Knee Point-Driven Evolutionary Algorithm for Many-Objective Optimization. *IEEE Transactions on Evolutionary Computation*, **2015**, 19, 761-776	15.6	449
3	An Efficient Approach to Nondominated Sorting for Evolutionary Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2015**, 19, 201-213	15.6	296
2	Improved SparseEA for sparse large-scale multi-objective optimization problems. *Complex & Intelligent Systems*,1	7.1	1
1	A conjugate gradient-assisted multi-objective evolutionary algorithm for fluence map optimization in radiotherapy treatment. *Complex & Intelligent Systems*,1	7.1	