Miqing Li

List of Publications by Year in Descending Order

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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.

71 papers	3,511 citations	26 h-index	59 g-index
77 ext. papers	4,738 ext. citations	6.3 avg, IF	6.1 L-index

#	Paper	IF	Citations
71	Solving Many-Objective Optimization Problems by a Pareto-Based Evolutionary Algorithm With Preprocessing and a Penalty Mechanism. *IEEE Transactions on Cybernetics*, **2021**, 51, 5585-5594	10.2	3
70	Enhanced Constraint Handling for Reliability-Constrained Multiobjective Testing Resource Allocation. *IEEE Transactions on Evolutionary Computation*, **2021**, 25, 537-551	15.6	6
69	A Grid-Based Inverted Generational Distance for Multi/Many-Objective Optimization. *IEEE Transactions on Evolutionary Computation*, **2021**, 25, 21-34	15.6	13
68	Evolutionary Multi-Objective Model Compression for Deep Neural Networks. *IEEE Computational Intelligence Magazine*, **2021**, 16, 10-21	5.6	2
67	A multi-granularity locally optimal prototype-based approach for classification. *Information Sciences* , **2021**, 569, 157-183	7.7	3
66	Multi-objectivizing software configuration tuning **2021**,		1
65	A decomposition-based multiobjective evolutionary algorithm with weights updated adaptively. *Information Sciences*, **2021**, 572, 343-377	7.7	2
64	Is Our Archiving Reliable? Multiobjective Archiving Methods on Simple Artificial Input Sequences. *ACM Transactions on Evolutionary Learning*, **2021**, 1, 1-19		1
63	Looking For Novelty in Search-based Software Product Line Testing. *IEEE Transactions on Software Engineering*, **2021**, 1-1	3.5	1
62	A Kernel-Based Indicator for Multi/Many-Objective Optimization. *IEEE Transactions on Evolutionary Computation*, **2021**, 1-1	15.6	1
61	What Weights Work for You? Adapting Weights for Any Pareto Front Shape in Decomposition-Based Evolutionary Multiobjective Optimisation. *Evolutionary Computation*, **2020**, 28, 227-253	4.3	24
60	Many-Objective Test Suite Generation for Software Product Lines. *ACM Transactions on Software Engineering and Methodology*, **2020**, 29, 1-46	3.3	5
59	Angle-Based Crowding Degree Estimation for Many-Objective Optimization. *Lecture Notes in Computer Science*, **2020**, 574-586	0.9	2
58	Finding the Largest Successful Coalition under the Strict Goal Preferences of Agents. *ACM Transactions on Autonomous and Adaptive Systems*, **2020**, 14, 1-33	1.2	
57	Evolutionary Approach to Multiparty Multiobjective Optimization Problems with Common Pareto Optimal Solutions **2020**,		2
56	How to Evaluate Solutions in Pareto-based Search-Based Software Engineering? A Critical Review and Methodological Guidance. *IEEE Transactions on Software Engineering*, **2020**, 1-1	3.5	6
55	A Task-Oriented Heuristic for Repairing Infeasible Solutions to Overlapping Coalition Structure Generation. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 785-801	7.3	1

54	An angle dominance criterion for evolutionary many-objective optimization. *Information Sciences*, **2020**, 509, 376-399	7.7	28
53	Objective reduction for visualising many-objective solution sets. *Information Sciences*, **2020**, 512, 278-294	7.7	8
52	Multi-objective evolutionary simulated annealing optimisation for mixed-model multi-robotic disassembly line balancing with interval processing time. *International Journal of Production Research*, **2020**, 58, 846-862	7.8	33
51	Going deeper with optimal software products selection using many-objective optimization and satisfiability solvers. *Empirical Software Engineering*, **2020**, 25, 591-626	3.3	3
50	Standing on the shoulders of giants: Seeding search-based multi-objective optimization with prior knowledge for software service composition. *Information and Software Technology*, **2019**, 114, 155-175	3.4	11
49	Quality Evaluation of Solution Sets in Multiobjective Optimisation. *ACM Computing Surveys*, **2019**, 52, 1-38	13.4	114
48	A novel aggregation-based dominance for Pareto-based evolutionary algorithms to configure software product lines. *Neurocomputing*, **2019**, 364, 32-48	5.4	4
47	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
46	A pareto-based evolutionary algorithm using decomposition and truncation for dynamic multi-objective optimization. *Applied Soft Computing Journal*, **2019**, 85, 105673	7.5	19
45	An Empirical Investigation of the Optimality and Monotonicity Properties of Multiobjective Archiving Methods. *Lecture Notes in Computer Science*, **2019**, 15-26	0.9	10
44	Evolutionary many-objective optimization for mixed-model disassembly line balancing with multi-robotic workstations. *European Journal of Operational Research*, **2019**, 276, 160-174	5.6	37
43	Configuring Software Product Lines by Combining Many-Objective Optimization and SAT Solvers. *ACM Transactions on Software Engineering and Methodology*, **2018**, 26, 1-46	3.3	37
42	Evolutionary Multiobjective Optimization-Based Multimodal Optimization: Fitness Landscape Approximation and Peak Detection. *IEEE Transactions on Evolutionary Computation*, **2018**, 22, 692-706	15.6	60
41	Multiline Distance Minimization: A Visualized Many-Objective Test Problem Suite. *IEEE Transactions on Evolutionary Computation*, **2018**, 22, 61-78	15.6	37
40	A critical review of **2018**,		13
39	On the effects of seeding strategies **2018**,		18
38	Multiobjective optimization of the production process for ground granulated blast furnace slags. *Soft Computing*, **2018**, 22, 8177-8186	3.5	3
37	An Improved NSGA-II based Algorithm for Economical Hot Rolling Batch Scheduling under Time-sensitive Electricity Prices **2018**,		1

36	Many-objective optimization based on information separation and neighbor punishment selection. *Soft Computing*, **2017**, 21, 1109-1128	3.5	5
35	An angle based constrained many-objective evolutionary algorithm. *Applied Intelligence*, **2017**, 47, 705-720	4.9	16
34	A benchmark test suite for evolutionary many-objective optimization. *Complex & Intelligent Systems* , **2017**, 3, 67-81	7.1	187
33	How to Read Many-Objective Solution Sets in Parallel Coordinates [Educational Forum]. *IEEE Computational Intelligence Magazine*, **2017**, 12, 88-100	5.6	56
32	Constraint Handling in NSGA-II for Solving Optimal Testing Resource Allocation Problems. *IEEE Transactions on Reliability*, **2017**, 66, 1193-1212	4.6	18
31	Parallel peaks: A visualization method for benchmark studies of multimodal optimization **2017**,		3
30	. *IEEE Transactions on Evolutionary Computation*, **2017**, 21, 131-152	15.6	210
29	Adjusting Parallel Coordinates for Investigating Multi-objective Search. *Lecture Notes in Computer Science*, **2017**, 224-235	0.9	6
28	Binary search based boundary elimination selection in many-objective evolutionary optimization. *Applied Soft Computing Journal*, **2017**, 60, 689-705	7.5	11
27	. *IEEE Transactions on Parallel and Distributed Systems*, **2016**, 27, 1344-1357	3.7	203
26	Decomposing the user-preference in multiobjective optimization. *Soft Computing*, **2016**, 20, 4005-4021	3.5	32
25	Multi-objective optimisation for regression testing. *Information Sciences*, **2016**, 334-335, 1-16	7.7	27
24	Pareto or Non-Pareto: Bi-Criterion Evolution in Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2016**, 20, 645-665	15.6	157
23	SIP. *ACM Transactions on Software Engineering and Methodology*, **2016**, 25, 1-39	3.3	66
22	Bi-goal evolution for many-objective optimization problems. *Artificial Intelligence*, **2015**, 228, 45-65	3.6	154
21	A Performance Comparison Indicator for Pareto Front Approximations in Many-Objective Optimization **2015**,		21
20	**2015**,		4
19	Evolutionary algorithms with segment-based search for multiobjective optimization problems. *IEEE Transactions on Cybernetics*, **2014**, 44, 1295-313	10.2	77

18	Shift-Based Density Estimation for Pareto-Based Algorithms in Many-Objective Optimization. *IEEE Transactions on Evolutionary Computation*, **2014**, 18, 348-365	15.6	476
17	Stable Matching-Based Selection in Evolutionary Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2014**, 18, 909-923	15.6	233
16	ETEA: a Euclidean minimum spanning tree-based evolutionary algorithm for multi-objective optimization. *Evolutionary Computation*, **2014**, 22, 189-230	4.3	35
15	A test problem for visual investigation of high-dimensional multi-objective search **2014**,		15
14	Diversity comparison of Pareto front approximations in many-objective optimization. *IEEE Transactions on Cybernetics*, **2014**, 44, 2568-84	10.2	122
13	A Grid-Based Evolutionary Algorithm for Many-Objective Optimization. *IEEE Transactions on Evolutionary Computation*, **2013**, 17, 721-736	15.6	608
12	A Comparative Study on Evolutionary Algorithms for Many-Objective Optimization. *Lecture Notes in Computer Science*, **2013**, 261-275	0.9	37
11	IPESA-II: Improved Pareto Envelope-Based Selection Algorithm II. *Lecture Notes in Computer Science* , **2013**, 143-155	0.9	5
10	Achieving balance between proximity and diversity in multi-objective evolutionary algorithm. *Information Sciences*, **2012**, 182, 220-242	7.7	82
9	A grid-based fitness strategy for evolutionary many-objective optimization **2010**,		18
8	Enhancing Diversity for Average Ranking Method in Evolutionary Many-Objective Optimization **2010**, 647-656		19
7	An Spanning Tree based method for pruning non-dominated solutions in multi-objective optimization problems **2009**,		2
6	A novel algorithm for non-dominated hypervolume-based multiobjective optimization **2009**,		6
5	Spread Assessment for Evolutionary Multi-Objective Optimization. *Lecture Notes in Computer Science*, **2009**, 216-230	0.9	36
4	Improving NSGA-II Algorithm Based on Minimum Spanning Tree. *Lecture Notes in Computer Science*, **2008**, 170-179	0.9	4
3	An efficient mufti-objective evolutionary algorithm based on Minimum Spanning Tree **2008**,		1
2	An Efficient Method for Maintaining Diversity in Evolutionary Multi-objective Optimization **2008**,		3
1	The Weights can be Harmful: Pareto Search versus Weighted Search in Multi-Objective Search-Based Software Engineering. *ACM Transactions on Software Engineering and Methodology*,	3.3	3