Xinye Cai

List of Publications by Citations

35 papers	996 citations	16 h-index	31 g-index
45 ext. papers	1,364 ext. citations	6.9 avg, IF	4.94 L-index

#	Paper	IF	Citations
35	*. IEEE Transactions on Evolutionary Computation*, **2015**, 19, 508-523	15.6	147
34	Push and pull search for solving constrained multi-objective optimization problems. *Swarm and Evolutionary Computation*, **2019**, 44, 665-679	9.8	99
33	Decomposition-Based-Sorting and Angle-Based-Selection for Evolutionary Multiobjective and Many-Objective Optimization. *IEEE Transactions on Cybernetics*, **2017**, 47, 2824-2837	10.2	82
32	A Two-Phase Multiobjective Local Search for the Device Allocation in the Distributed Integrated Modular Avionics. *IEEE Access*, **2020**, 8, 1-10	3.5	74
31	Neighborhood based decision-theoretic rough set models. *International Journal of Approximate Reasoning*, **2016**, 69, 1-17	3.6	62
30	An improved epsilon constraint-handling method in MOEA/D for CMOPs with large infeasible regions. *Soft Computing*, **2019**, 23, 12491-12510	3.5	61
29	A Decomposition-Based Many-Objective Evolutionary Algorithm With Two Types of Adjustments for Direction Vectors. *IEEE Transactions on Cybernetics*, **2018**, 48, 2335-2348	10.2	52
28	MOEA/D with angle-based constrained dominance principle for constrained multi-objective optimization problems. *Applied Soft Computing Journal*, **2019**, 74, 621-633	7.5	52
27	A Constrained Decomposition Approach With Grids for Evolutionary Multiobjective Optimization. *IEEE Transactions on Evolutionary Computation*, **2018**, 22, 564-577	15.6	48
26	A Hierarchical Image Matting Model for Blood Vessel Segmentation in Fundus Images. *IEEE Transactions on Image Processing*, **2018**,	8.7	39
25	A diversity indicator based on reference vectors for many-objective optimization. *Information Sciences*, **2018**, 430-431, 467-486	7.7	36
24	A Grid Weighted Sum Pareto Local Search for Combinatorial Multi and Many-Objective Optimization. *IEEE Transactions on Cybernetics*, **2019**, 49, 3586-3598	10.2	33
23	An improved epsilon constraint handling method embedded in MOEA/D for constrained multi-objective optimization problems **2016**,		28
22	Difficulty Adjustable and Scalable Constrained Multiobjective Test Problem Toolkit. *Evolutionary Computation*, **2020**, 28, 339-378	4.3	27
21	A novel memetic algorithm based on invasive weed optimization and differential evolution for constrained optimization. *Soft Computing*, **2013**, 17, 1893-1910	3.5	24
20	Epsilon constrained method for constrained multiobjective optimization problems **2014**,		19
19	A decomposition-based coevolutionary multiobjective local search for combinatorial multiobjective optimization. *Swarm and Evolutionary Computation*, **2019**, 49, 178-193	9.8	16

18	An improved memetic algorithm using ring neighborhood topology for constrained optimization. *Soft Computing*, **2014**, 18, 2023-2041	3.5	16
17	Angle-based constrained dominance principle in MOEA/D for constrained multi-objective optimization problems **2016**,		13
16	A Grid-Based Inverted Generational Distance for Multi/Many-Objective Optimization. *IEEE Transactions on Evolutionary Computation*, **2021**, 25, 21-34	15.6	13
15	**2013**,		11
14	The Collaborative Local Search Based on Dynamic-Constrained Decomposition With Grids for Combinatorial Multiobjective Optimization. *IEEE Transactions on Cybernetics*, **2021**, 51, 2639-2650	10.2	9
13	A two-phase many-objective evolutionary algorithm with penalty based adjustment for reference lines **2016**,		7
12	An adaptive memetic framework for multi-objective combinatorial optimization problems: studies on software next release and travelling salesman problems. *Soft Computing*, **2017**, 21, 2215-2236	3.5	6
11	Automated blood vessel segmentation in fundus image based on integral channel features and random forests **2016**,		5
10	. *IEEE Transactions on Computational Social Systems*, **2021**, 8, 856-869	4.5	5
9	A Bi-Objective Constrained Robust Gate Assignment Problem: Formulation, Instances and Algorithm. *IEEE Transactions on Cybernetics*, **2021**, 51, 4488-4500	10.2	4
8	Analysis and multi-objective optimization of a kind of teaching manipulator. *Swarm and Evolutionary Computation*, **2019**, 50, 100554	9.8	3
7	Modified binary differential evolution for solving wind farm layout optimization problems **2013**,		1
6	An external archive guided multiobjective evolutionary approach based on decomposition for continuous optimization **2014**,		1
5	A Kernel-Based Indicator for Multi/Many-Objective Optimization. *IEEE Transactions on Evolutionary Computation*, **2021**, 1-1	15.6	1
4	Competition-Driven Multimodal Multiobjective Optimization and Its Application to Feature Selection for Credit Card Fraud Detection. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2022**, 1-13	7.3	0
3	Noisy Optimization by Evolution Strategies With Online Population Size Learning. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-13	7.3	
2	Multiagent Reinforcement Learning for Combinatorial Optimization. *Communications in Computer and Information Science*, **2020**, 23-34	0.3	
1	A Dual-Population-Based Local Search for Solving Multiobjective Traveling Salesman Problem. *Communications in Computer and Information Science*, **2018**, 380-388	0.3	