Zhenkun Wang

List of Publications by Year
in descending order

28
papers

884
citations

567281
15
h-index

713466
21
g-index

28
all docs

28
docs citations

28
times ranked

689
citing authors

#	Article	IF	Citations
1	Adaptive Replacement Strategies for MOEA/D. IEEE Transactions on Cybernetics, 2016, 46, 474-486.	9.5	209
2	On the use of two reference points in decomposition based multiobjective evolutionary algorithms. Swarm and Evolutionary Computation, 2017, 34, 89-102.	8.1	80
3	On Scalable Multiobjective Test Problems With Hardly Dominated Boundaries. IEEE Transactions on Evolutionary Computation, 2019, 23, 217-231.	10.0	67
4	Evolutionary Optimization of Expensive Multiobjective Problems With Co-Sub-Pareto Front Gaussian Process Surrogates. IEEE Transactions on Cybernetics, 2019, 49, 1708-1721.	9.5	64
5	Evolutionary Multitasking Sparse Reconstruction: Framework and Case Study. IEEE Transactions on Evolutionary Computation, 2019, 23, 733-747.	10.0	58
6	A Generator for Multiobjective Test Problems With Difficult-to-Approximate Pareto Front Boundaries. IEEE Transactions on Evolutionary Computation, 2019, 23, 556-571.	10.0	55
7	A many-objective particle swarm optimizer based on indicator and direction vectors for many-objective optimization. Information Sciences, 2020, 514, 166-202.	6.9	35
8	Discrete particle swarm optimization for high-order graph matching. Information Sciences, 2016, 328, 158-171.	6.9	33
9	Positive opinion maximization in signed social networks. Information Sciences, 2021, 558, 34-49.	6.9	32
10	Evolutionary Optimization-based Mission Planning for UAS Traffic Management (UTM). , 2019, , .		31
11	A replacement strategy for balancing convergence and diversity in MOEA/D. , 2014, , .		25
12	Choose Appropriate Subproblems for Collaborative Modeling in Expensive Multiobjective Optimization. IEEE Transactions on Cybernetics, 2023, 53, 483-496.	9.5	25
13	Preliminary Concept of Adaptive Urban Airspace Management for Unmanned Aircraft Operations. , 2018, , .		24
14	Multiobjective Optimization-Aided Decision-Making System for Large-Scale Manufacturing Planning. IEEE Transactions on Cybernetics, 2022, 52, 8326-8339.	9.5	24
15	A neurodynamic approach to nonsmooth constrained pseudoconvex optimization problem. Neural Networks, 2020, 124, 180-192.	5.9	21
16	Solving Nonlinear Equation Systems by a Two-Phase Evolutionary Algorithm. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5652-5663.	9.3	21
17	Balancing performance between the decision space and the objective space in multimodal multiobjective optimization. Memetic Computing, 2021, 13, 31-47.	4.0	19
18	Evolutionary Competitive Multitasking Optimization. IEEE Transactions on Evolutionary Computation, 2022, 26, 278-289.	10.0	15

#	ARTICLE	IF	CITATIONS
19	Offline and Online Objective Reduction via Gaussian Mixture Model Clustering. IEEE Transactions on Evolutionary Computation, 2023, 27, 341-354.	10.0	11
20	System-in-package design using multi-task memetic learning and optimization. Memetic Computing, 2022, 14, 45-59.	4.0	7
21	Improved adaptive global replacement scheme for MOEA/D-AGR. , 2016, , .		6
22	RL-CSL: A Combinatorial Optimization Method Using Reinforcement Learning and Contrastive Self-Supervised Learning. IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, 7, 1010-1024.	4.9	6
23	Balancing Convergence and Diversity by Using Two Different Reproduction Operators in MOEA/D: Some Preliminary Work. , 2015, , .		5
24	It Is Hard to Distinguish Between Dominance Resistant Solutions and Extremely Convex Pareto Optimal Solutions. Lecture Notes in Computer Science, 2021, , 3-14.	1.3	4
25	Accelerate the optimization of large-scale manufacturing planning using game theory. Complex & Intelligent Systems, 2022, 8, 2719-2730.	6.5	3
26	On the Parameter Setting of the Penalty-Based Boundary Intersection Method in MOEA/D. Lecture Notes in Computer Science, 2021, , 413-423.	1.3	2
27	The dilemma between eliminating dominance-resistant solutions and preserving boundary solutions of extremely convex Pareto fronts. Complex & Intelligent Systems, 0, , 1.	6.5	2
28	An improved global replacement strategy for MOEA/D on many-objective kanpsack problems. , 2017, , .		0