Zhenkun Wang

List of Publications by Year
in descending order

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Version: 2024-02-01

28	884	567281 15	713466 21
papers	citations	h-index	g-index

28	28	28	689
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Choose Appropriate Subproblems for Collaborative Modeling in Expensive Multiobjective Optimization. IEEE Transactions on Cybernetics, 2023, 53, 483-496.	9.5	25
2	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
3	Offline and Online Objective Reduction via Gaussian Mixture Model Clustering. IEEE Transactions on Evolutionary Computation, 2023, 27, 341-354.	10.0	11
4	Multiobjective Optimization-Aided Decision-Making System for Large-Scale Manufacturing Planning. IEEE Transactions on Cybernetics, 2022, 52, 8326-8339.	9.5	24
5	Accelerate the optimization of large-scale manufacturing planning using game theory. Complex & Intelligent Systems, 2022, 8, 2719-2730.	6.5	3
6	System-in-package design using multi-task memetic learning and optimization. Memetic Computing, 2022, 14, 45-59.	4.0	7
7	Evolutionary Competitive Multitasking Optimization. IEEE Transactions on Evolutionary Computation, 2022, 26, 278-289.	10.0	15
8	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
9	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
10	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
11	Balancing performance between the decision space and the objective space in multimodal multiobjective optimization. Memetic Computing, 2021, 13, 31-47.	4.0	19
12	Positive opinion maximization in signed social networks. Information Sciences, 2021, 558, 34-49.	6.9	32
13	A neurodynamic approach to nonsmooth constrained pseudoconvex optimization problem. Neural Networks, 2020, 124, 180-192.	5.9	21
14	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
15	On Scalable Multiobjective Test Problems With Hardly Dominated Boundaries. IEEE Transactions on Evolutionary Computation, 2019, 23, 217-231.	10.0	67
16	Evolutionary Optimization-based Mission Planning for UAS Traffic Management (UTM). , 2019, , .		31
17	Evolutionary Multitasking Sparse Reconstruction: Framework and Case Study. IEEE Transactions on Evolutionary Computation, 2019, 23, 733-747.	10.0	58
18	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

#	Article	IF	Citations
19	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
20	Preliminary Concept of Adaptive Urban Airspace Management for Unmanned Aircraft Operations. , 2018, , .		24
21	On the use of two reference points in decomposition based multiobjective evolutionary algorithms. Swarm and Evolutionary Computation, 2017, 34, 89-102.	8.1	80
22	An improved global replacement strategy for MOEA/D on many-objective kanpsack problems. , 2017, , .		0
23	Improved adaptive global replacement scheme for MOEA/D-AGR. , 2016, , .		6
24	Adaptive Replacement Strategies for MOEA/D. IEEE Transactions on Cybernetics, 2016, 46, 474-486.	9.5	209
25	Discrete particle swarm optimization for high-order graph matching. Information Sciences, 2016, 328, 158-171.	6.9	33
26	Balancing Convergence and Diversity by Using Two Different Reproduction Operators in MOEA/D: Some Preliminary Work. , 2015, , .		5
27	A replacement strategy for balancing convergence and diversity in MOEA/D. , 2014, , .		25
28	The dilemma between eliminating dominance-resistant solutions and preserving boundary solutions of extremely convex Pareto fronts. Complex & Intelligent Systems, 0, , 1.	6.5	2