Wang Xianpeng

List of Publications by Year
in descending order

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45 papers	1,167 citations	361413 20 h-index	377865 34 g-index
46 all docs	46 docs citations	46 times ranked	1042 citing authors

#	Article	IF	Citations
1	A Hybrid Multiobjective Evolutionary Algorithm for Multiobjective Optimization Problems. IEEE Transactions on Evolutionary Computation, 2013, 17, 20-45.	10.0	205
2	An adaptive multi-population differential evolution algorithm for continuous multi-objective optimization. Information Sciences, 2016, 348, 124-141.	6.9	73
3	A discrete particle swarm optimization algorithm with self-adaptive diversity control for the permutation flowshop problem with blocking. Applied Soft Computing Journal, 2012, 12, 652-662.	7.2	71
4	Iterated local search algorithm based on very large-scale neighborhood for prize-collecting vehicle routing problem. International Journal of Advanced Manufacturing Technology, 2006, 29, 1246-1258.	3.0	65
5	A population-based variable neighborhood search for the single machine total weighted tardiness problem. Computers and Operations Research, 2009, 36, 2105-2110.	4.0	63
6	A tabu search heuristic for the hybrid flowshop scheduling with finite intermediate buffers. Computers and Operations Research, 2009, 36, 907-918.	4.0	62
7	A machine-learning based memetic algorithm for the multi-objective permutation flowshop scheduling problem. Computers and Operations Research, 2017, 79, 60-77.	4.0	61
8	A Multiobjective multifactorial optimization algorithm based on decomposition and dynamic resource allocation strategy. Information Sciences, 2020, 511, 18-35.	6.9	52
9	Adaptive Multiobjective Differential Evolution With Reference Axis Vicinity Mechanism. IEEE Transactions on Cybernetics, 2019, 49, 3571-3585.	9.5	41
10	Multiobjective Operation Optimization of Naphtha Pyrolysis Process Using Parallel Differential Evolution. Industrial & Engineering Chemistry Research, 2013, 52, 14415-14428.	3.7	39
11	A Multiobjective Evolutionary Nonlinear Ensemble Learning With Evolutionary Feature Selection for Silicon Prediction in Blast Furnace. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2080-2093.	11.3	38
12	Multiobjective Differential Evolution With Personal Archive and Biased Self-Adaptive Mutation Selection. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 5338-5350.	9.3	33
13	Integration of batching and scheduling for hot rolling production in the steel industry. International Journal of Advanced Manufacturing Technology, 2008, 36, 431-441.	3.0	32
14	An Improved Particle Swarm Optimization Algorithm for the Hybrid Flowshop Scheduling to Minimize Total Weighted Completion Time in Process Industry. IEEE Transactions on Control Systems Technology, 2010, , .	5.2	28
15	Multiobjective Multifactorial Operation Optimization for Continuous Annealing Production Process. Industrial & Engineering Chemistry Research, 2019, 58, 19166-19178.	3.7	28
16	MOEA/D with a self-adaptive weight vector adjustment strategy based on chain segmentation. Information Sciences, 2020, 521, 209-230.	6.9	28
17	Simultaneously scheduling multiple turns for steel color-coating production. European Journal of Operational Research, 2009, 198, 715-725.	5.7	25
18	A Two-Phase Heuristic for the Production Scheduling of Heavy Plates in Steel Industry. IEEE Transactions on Control Systems Technology, 2010, 18, 104-117.	5.2	25

#	Article	IF	Citations
19	Multiobjective Multitask Optimization-Neighborhood as a Bridge for Knowledge Transfer. IEEE Transactions on Evolutionary Computation, 2023, 27, 155-169.	10.0	25
20	Operation Optimization in the Hot-Rolling Production Process. Industrial & Engineering Chemistry Research, 2014, 53, 11393-11410.	3.7	23
21	A predictive reactive scheduling method for color-coating production in steel industry. International Journal of Advanced Manufacturing Technology, 2008, 35, 633-645.	3.0	20
22	Solution method for the location planning problem of logistics park with variable capacity. Computers and Operations Research, 2013, 40, 406-417.	4.0	19
23	A Scatter Search Algorithm for a Multistage Production Scheduling Problem With Blocking and Semi-Continuous Batching Machine. IEEE Transactions on Control Systems Technology, 2011, 19, 976-989.	5.2	16
24	A hybrid metaheuristic for the prize-collecting single machine scheduling problem with sequence-dependent setup times. Computers and Operations Research, 2010, 37, 1624-1640.	4.0	15
25	Strip Hardness Prediction in Continuous Annealing Using Multiobjective Sparse Nonlinear Ensemble Learning With Evolutionary Feature Selection. IEEE Transactions on Automation Science and Engineering, 2022, 19, 2397-2411.	5.2	12
26	Color-Coating Production Scheduling for Coils in Inventory in Steel Industry. IEEE Transactions on Automation Science and Engineering, 2008, 5, 544-549.	5.2	11
27	Multiobjective Operation Optimization of Continuous Annealing Based on Data Analytics. IEEE Access, 2019, 7, 50109-50118.	4.2	9
28	Furnace operation optimization with hybrid model based on mechanism and data analytics. Soft Computing, 2019, 23, 9551-9571.	3.6	8
29	Color-Coating Scheduling With a Multiobjective Evolutionary Algorithm Based on Decomposition and Dynamic Local Search. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1590-1601.	5.2	6
30	Operation Optimization of Slab Reheating Process Based on Differential Evolution. ISIJ International, 2016, 56, 2006-2015.	1.4	5
31	An adaptive multiobjective evolutionary algorithm based on grid subspaces. Memetic Computing, 2021, 13, 249-269.	4.0	5
32	An Improved Particle Swarm Optimization for Permutation Flowshop Scheduling Problem with Total Flowtime Criterion. Lecture Notes in Computer Science, 2010, , 144-151.	1.3	4
33	A Multi-Objective Evolutionary Algorithm for Multi-Energy Allocation Problem Considering Production Changeover in the Integrated Iron and Steel Enterprise. IEEE Access, 2019, 7, 40428-40444.	4.2	3
34	A Data-Driven Multiobjective Dynamic Robust Modeling and Operation Optimization for Continuous Annealing Production Process. ISIJ International, 2020, 60, 1225-1236.	1.4	3
35	ETO Meets Scheduling: Learning Key Knowledge from Single-Objective Problems to Multi-Objective Problem. , 2021, , .		3
36	Multi-objective optimization using a hybrid differential evolution algorithm. , 2012, , .		2

#	Article	IF	Citations
37	Robust operation optimization in cold rolling production process. , 2014, , .		2
38	A simplified scatter search for a special single machine scheduling problem to minimize total weighted tardiness. , 2009, , .		1
39	Naphtha Pyrolysis Process Modeling Based on Ensemble Learning with LSSVM. Computer Aided Chemical Engineering, 2018, 44, 2035-2040.	0.5	1
40	Global method for learning an integrated temperature prediction model in a slab reheating furnace. Engineering Optimization, 2020, 52, 1612-1631.	2.6	1
41	An Improved MOEA/D Algorithm for the Carbon Black Production Line Static and Dynamic Multiobjective Scheduling Problem. , 2020, , .		1
42	Prediction of Blast Furnace Temperature Based on Evolutionary Optimization. Lecture Notes in Computer Science, 2021, , 759-768.	1.3	1
43	A Hybrid VNS with TS for the Single Machine Scheduling Problem to Minimize the Sum of Weighted Tardiness of Jobs. Lecture Notes in Computer Science, 2008, , 727-733.	1.3	1
44	A multi-objective differential evolution algorithm with memory based population construction. , 2016, , .		0
45	A Discussion of the Mapping from the Unified Search Space to the Search Space of the Optimized Task in Evolutionary Multitasking Optimization. , 2021, , .		0