Guo Hui Zhang

List of Publications by Year
in descending order

33 papers	1,682 citations	623734 14 h-index	580821 25 g-index
35 all docs	35 docs citations	35 times ranked	1240 citing authors

#	Article	IF	Citations
1	An effective genetic algorithm for the flexible job-shop scheduling problem. Expert Systems With Applications, 2011, 38, 3563-3573.	7.6	421
2	An effective hybrid particle swarm optimization algorithm for multi-objective flexible job-shop scheduling problem. Computers and Industrial Engineering, 2009, 56, 1309-1318.	6.3	405
3	Cellular particle swarm optimization. Information Sciences, 2011, 181, 4460-4493.	6.9	169
4	An improved genetic algorithm for the flexible job shop scheduling problem with multiple time constraints. Swarm and Evolutionary Computation, 2020, 54, 100664.	8.1	108
5	Digital twin-driven cyber-physical production system towards smart shop-floor. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 4439-4453.	4.9	83
6	An efficient memetic algorithm for solving the job shop scheduling problem. Computers and Industrial Engineering, 2011, 60, 699-705.	6.3	81
7	A variable neighborhood search based genetic algorithm for flexible job shop scheduling problem. Cluster Computing, 2019, 22, 11561-11572.	5.0	47
8	Dynamic rescheduling in FMS that is simultaneously considering energy consumption and schedule efficiency. International Journal of Advanced Manufacturing Technology, 2016, 87, 1387-1399.	3.0	46
9	Improved Genetic Algorithm for the Flexible Job-shop Scheduling Problem. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2009, 45, 145.	0.5	40
10	Solving flexible job shop scheduling problems with transportation time based on improved genetic algorithm. Mathematical Biosciences and Engineering, 2019, 16, 1334-1347.	1.9	40
11	A hybrid many-objective evolutionary algorithm for flexible job-shop scheduling problem with transportation and setup times. Computers and Operations Research, 2021, 132, 105263.	4.0	33
12	Hybrid multiobjective evolutionary algorithm with fast sampling strategy-based global search and route sequence difference-based local search for VRPTW. Expert Systems With Applications, 2020, 145, 113151.	7.6	29
13	An effective two-stage algorithm based on convolutional neural network for the bi-objective flexible job shop scheduling problem with machine breakdown. Expert Systems With Applications, 2022, 203, 117460.	7.6	29
14	Dynamic resource allocation optimization for digital twin-driven smart shopfloor. , 2018, , .		24
15	A Genetic Algorithm and Tabu Search for Multi Objective Flexible Job Shop Scheduling Problems. , 2010, , .		17
16	Variable Neighborhood Genetic Algorithm for the Flexible Job Shop Scheduling Problems. Lecture Notes in Computer Science, 2008, , 503-512.	1.3	17
17	A Genetic Algorithm and Tabu Search for Solving Flexible Job Shop Schedules. , 2008, , .		13
18	Dynamic scheduling model in FMS by considering energy consumption and schedule efficiency. , 2012, , .		13

#	Article	IF	Citations
19	An improved memetic algorithm for the flexible job shop scheduling problem with transportation times. Measurement and Control, 2020, 53, 1518-1528.	1.8	12
20	Hybrid multiobjective evolutionary algorithm considering combination timing for multi-type vehicle routing problem with time windows. Computers and Industrial Engineering, 2022, 171, 108435.	6.3	10
21	An Efficient Memetic Algorithm for Dynamic Flexible Job Shop Scheduling with Random Job Arrivals. International Journal of Software Science and Computational Intelligence, 2013, 5, 63-77.	3.0	8
22	An Improved Genetic Algorithm for Single-Machine Inverse Scheduling Problem. Mathematical Problems in Engineering, 2014, 2014, 1-14.	1.1	6
23	A Novel Variable Neighborhood Genetic Algorithm for Multi-Objective Flexible Job-Shop Scheduling Problems. Advanced Materials Research, 0, 118-120, 369-373.	0.3	5
24	Multiobjective particle swarm optimization with direction search and differential evolution for distributed flow-shop scheduling problem. Mathematical Biosciences and Engineering, 2022, 19, 8833-8865.	1.9	5
25	EMEECP-IOT: Enhanced Multitier Energy-Efficient Clustering Protocol Integrated with Internet of Things-Based Secure Heterogeneous Wireless Sensor Network (HWSN). Security and Communication Networks, 2022, 2022, 1-11.	1.5	4
26	Hybrid variable neighborhood search for multi objective flexible job shop scheduling problem. , 2012, , .		2
27	Solving the Flexible Job Shop Scheduling Problem Based on Memetic Algorithm. Advanced Materials Research, 2012, 544, 1-5.	0.3	1
28	Using the Memetic Algorithm for Multi Objective Job Shop Scheduling Problems. Advanced Materials Research, 2012, 544, 245-250.	0.3	1
29	Application of Free Pattern Search on the surface roughness prediction in end milling. , 2012, , .		1
30	An Effective Hybrid Particle Swarm Optimization for Flexible Job Shop Scheduling Problem. Open Automation and Control Systems Journal, 2014, 6, 1604-1611.	0.9	1
31	Using Matrix-Coded Genetic Algorithm for Solving the Flexible Job-Shop Scheduling. , 2010, , .		0
32	Investigating Memetic Algorithm for Solving the Job Shop Scheduling Problems. , 2010, , .		0
33	Scheduling flexible job shop in dynamic environment based on a memetic algorithm. , 2012, , .		0