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 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
2	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
3	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
4	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
5	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
6	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
7	An improved memetic algorithm for the flexible job shop scheduling problem with transportation times. Measurement and Control, 2020, 53, 1518-1528.	1.8	12
8	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
9	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
10	A variable neighborhood search based genetic algorithm for flexible job shop scheduling problem. Cluster Computing, 2019, 22, 11561-11572.	5.0	47
11	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
12	Dynamic resource allocation optimization for digital twin-driven smart shopfloor. , 2018, , .		24
13	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
14	An Improved Genetic Algorithm for Single-Machine Inverse Scheduling Problem. Mathematical Problems in Engineering, 2014, 2014, 1-14.	1.1	6
15	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
16	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
17	Solving the Flexible Job Shop Scheduling Problem Based on Memetic Algorithm. Advanced Materials Research, 2012, 544, 1-5.	0.3	1
18	Using the Memetic Algorithm for Multi Objective Job Shop Scheduling Problems. Advanced Materials Research, 2012, 544, 245-250.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Scheduling flexible job shop in dynamic environment based on a memetic algorithm. , 2012, , .		0
20	Application of Free Pattern Search on the surface roughness prediction in end milling. , 2012, , .		1
21	Hybrid variable neighborhood search for multi objective flexible job shop scheduling problem. , 2012, , .		2
22	Dynamic scheduling model in FMS by considering energy consumption and schedule efficiency. , 2012, , .		13
23	An effective genetic algorithm for the flexible job-shop scheduling problem. Expert Systems With Applications, 2011, 38, 3563-3573.	7.6	421
24	Cellular particle swarm optimization. Information Sciences, 2011, 181, 4460-4493.	6.9	169
25	An efficient memetic algorithm for solving the job shop scheduling problem. Computers and Industrial Engineering, 2011, 60, 699-705.	6.3	81
26	Using Matrix-Coded Genetic Algorithm for Solving the Flexible Job-Shop Scheduling. , 2010, , .		0
27	A Genetic Algorithm and Tabu Search for Multi Objective Flexible Job Shop Scheduling Problems. , 2010, , .		17
28	Investigating Memetic Algorithm for Solving the Job Shop Scheduling Problems. , 2010, , .		0
29	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
30	Improved Genetic Algorithm for the Flexible Job-shop Scheduling Problem. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2009, 45, 145.	0.5	40
31	A Genetic Algorithm and Tabu Search for Solving Flexible Job Shop Schedules. , 2008, , .		13
32	Variable Neighborhood Genetic Algorithm for the Flexible Job Shop Scheduling Problems. Lecture Notes in Computer Science, 2008, , 503-512.	1.3	17
33	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