

# Fuqing Zhao

## List of Publications by Year in descending order

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75  
papers

1,817  
citations

279487

23  
h-index

288905

40  
g-index

75  
all docs

75  
docs citations

75  
times ranked

1016  
citing authors

#	ARTICLE	IF	CITATIONS
1	An ensemble discrete differential evolution for the distributed blocking flowshop scheduling with minimizing makespan criterion. <i>Expert Systems With Applications</i> , 2020, 160, 113678.	4.4	145
2	A Two-Stage Cooperative Evolutionary Algorithm With Problem-Specific Knowledge for Energy-Efficient Scheduling of No-Wait Flow-Shop Problem. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 5291-5303.	6.2	128
3	A cooperative water wave optimization algorithm with reinforcement learning for the distributed assembly no-idle flowshop scheduling problem. <i>Computers and Industrial Engineering</i> , 2021, 153, 107082.	3.4	113
4	A Self-Learning Discrete Jaya Algorithm for Multiobjective Energy-Efficient Distributed No-Idle Flow-Shop Scheduling Problem in Heterogeneous Factory System. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 12675-12686.	6.2	106
5	A discrete Water Wave Optimization algorithm for no-wait flow shop scheduling problem. <i>Expert Systems With Applications</i> , 2018, 91, 347-363.	4.4	97
6	A Novel Cooperative Multi-Stage Hyper-Heuristic for Combination Optimization Problems. <i>Complex System Modeling and Simulation</i> , 2021, 1, 91-108.	3.2	80
7	A two-stage differential biogeography-based optimization algorithm and its performance analysis. <i>Expert Systems With Applications</i> , 2019, 115, 329-345.	4.4	71
8	A hybrid biogeography-based optimization with variable neighborhood search mechanism for no-wait flow shop scheduling problem. <i>Expert Systems With Applications</i> , 2019, 126, 321-339.	4.4	68
9	A hybrid harmony search algorithm with efficient job sequence scheme and variable neighborhood search for the permutation flow shop scheduling problems. <i>Engineering Applications of Artificial Intelligence</i> , 2017, 65, 178-199.	4.3	65
10	An improved shuffled complex evolution algorithm with sequence mapping mechanism for job shop scheduling problems. <i>Expert Systems With Applications</i> , 2015, 42, 3953-3966.	4.4	62
11	A hybrid discrete water wave optimization algorithm for the no-idle flowshop scheduling problem with total tardiness criterion. <i>Expert Systems With Applications</i> , 2020, 146, 113166.	4.4	62
12	A hybrid algorithm based on self-adaptive gravitational search algorithm and differential evolution. <i>Expert Systems With Applications</i> , 2018, 113, 515-530.	4.4	58
13	A hybrid particle swarm optimisation algorithm and fuzzy logic for process planning and production scheduling integration in holonic manufacturing systems. <i>International Journal of Computer Integrated Manufacturing</i> , 2010, 23, 20-39.	2.9	55
14	A self-adaptive harmony PSO search algorithm and its performance analysis. <i>Expert Systems With Applications</i> , 2015, 42, 7436-7455.	4.4	55
15	An improved particle swarm optimization with decline disturbance index (DDPSO) for multi-objective job-shop scheduling problem. <i>Computers and Operations Research</i> , 2014, 45, 38-50.	2.4	45
16	A hybrid differential evolution and estimation of distribution algorithm based on neighbourhood search for job shop scheduling problems. <i>International Journal of Production Research</i> , 2016, 54, 1039-1060.	4.9	42
17	An improved MOEA/D for multi-objective job shop scheduling problem. <i>International Journal of Computer Integrated Manufacturing</i> , 2017, 30, 616-640.	2.9	36
18	An improved water wave optimization algorithm with the single wave mechanism for the no-wait flow-shop scheduling problem. <i>Engineering Optimization</i> , 2019, 51, 1727-1742.	1.5	33

#	ARTICLE	IF	CITATIONS
19	An optimal block knowledge driven backtracking search algorithm for distributed assembly No-wait flow shop scheduling problem. <i>Applied Soft Computing Journal</i> , 2021, 112, 107750.	4.1	30
20	A reinforcement learning brain storm optimization algorithm (BSO) with learning mechanism. <i>Knowledge-Based Systems</i> , 2022, 235, 107645.	4.0	30
21	A factorial based particle swarm optimization with a population adaptation mechanism for the no-wait flow shop scheduling problem with the makespan objective. <i>Expert Systems With Applications</i> , 2019, 126, 41-53.	4.4	28
22	An effective water wave optimization algorithm with problem-specific knowledge for the distributed assembly blocking flow-shop scheduling problem. <i>Knowledge-Based Systems</i> , 2022, 243, 108471.	4.0	28
23	An improved particle swarm optimisation with a linearly decreasing disturbance term for flow shop scheduling with limited buffers. <i>International Journal of Computer Integrated Manufacturing</i> , 2014, 27, 488-499.	2.9	24
24	A Differential-Based Harmony Search Algorithm With Variable Neighborhood Search for Job Shop Scheduling Problem and Its Runtime Analysis. <i>IEEE Access</i> , 2018, 6, 76313-76330.	2.6	20
25	A collaborative LSHADE algorithm with comprehensive learning mechanism. <i>Applied Soft Computing Journal</i> , 2020, 96, 106609.	4.1	20
26	A reinforcement learning-driven brain storm optimisation algorithm for multi-objective energy-efficient distributed assembly no-wait flow shop scheduling problem. <i>International Journal of Production Research</i> , 2023, 61, 2854-2872.	4.9	20
27	An Improved SPEA2 Algorithm with Adaptive Selection of Evolutionary Operators Scheme for Multiobjective Optimization Problems. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-20.	0.6	19
28	A chaotic local search based bacterial foraging algorithm and its application to a permutation flow-shop scheduling problem. <i>International Journal of Computer Integrated Manufacturing</i> , 2016, 29, 962-981.	2.9	19
29	A hybrid algorithm based on particle swarm optimization and simulated annealing to holon task allocation for holonic manufacturing system. <i>International Journal of Advanced Manufacturing Technology</i> , 2007, 32, 1021-1032.	1.5	17
30	A jigsaw puzzle inspired algorithm for solving large-scale no-wait flow shop scheduling problems. <i>Applied Intelligence</i> , 2020, 50, 87-100.	3.3	17
31	A multipopulation cooperative coevolutionary whale optimization algorithm with a two-stage orthogonal learning mechanism. <i>Knowledge-Based Systems</i> , 2022, 246, 108664.	4.0	16
32	A memetic discrete differential evolution algorithm for the distributed permutation flow shop scheduling problem. <i>Complex &amp; Intelligent Systems</i> , 2022, 8, 141-161.	4.0	15
33	A discrete learning fruit fly algorithm based on knowledge for the distributed no-wait flow shop scheduling with due windows. <i>Expert Systems With Applications</i> , 2022, 198, 116921.	4.4	15
34	A discrete gravitational search algorithm for the blocking flow shop problem with total flow time minimization. <i>Applied Intelligence</i> , 2019, 49, 3362-3382.	3.3	13
35	A hierarchical guidance strategy assisted fruit fly optimization algorithm with cooperative learning mechanism. <i>Expert Systems With Applications</i> , 2021, 183, 115342.	4.4	12
36	A two-stage evolutionary strategy based MOEA/D to multi-objective problems. <i>Expert Systems With Applications</i> , 2021, 185, 115654.	4.4	12

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37	A shuffled complex evolution algorithm with opposition-based learning for a permutation flow shop scheduling problem. International Journal of Computer Integrated Manufacturing, 2014, , 1-16.	2.9	10
38	An improved water wave optimisation algorithm enhanced by CMA-ES and opposition-based learning. Connection Science, 2020, 32, 132-161.	1.8	10
39	A hybrid optimization algorithm based on chaotic differential evolution and estimation of distribution. Computational and Applied Mathematics, 2017, 36, 433-458.	1.3	9
40	A hierarchical knowledge guided backtracking search algorithm with self-learning strategy. Engineering Applications of Artificial Intelligence, 2021, 102, 104268.	4.3	9
41	Integration of Process Planning and Production Scheduling Based on A Hybrid PSO and SA Algorithm. , 2006, , .		8
42	A chemotaxis-enhanced bacterial foraging algorithm and its application in job shop scheduling problem. International Journal of Computer Integrated Manufacturing, 0, , 1-16.	2.9	8
43	A hybrid iterated local search algorithm with adaptive perturbation mechanism by success-history based parameter adaptation for differential evolution (SHADE). Engineering Optimization, 2020, 52, 367-383.	1.5	8
44	A surrogate-assisted Jaya algorithm based on optimal directional guidance and historical learning mechanism. Engineering Applications of Artificial Intelligence, 2022, 111, 104775.	4.3	8
45	Hybrid biogeography-based optimization with enhanced mutation and CMA-ES for global optimization problem. Service Oriented Computing and Applications, 2020, 14, 65-73.	1.3	7
46	Application of An Improved Particle Swarm Optimization Algorithm for Neural Network Training*. , 0, , .		6
47	A Fitness Landscape Analysis for the No-Wait Flow Shop Scheduling Problem With Factorial Representation. IEEE Access, 2019, 7, 21032-21047.	2.6	5
48	A knowledge-based differential covariance matrix adaptation cooperative algorithm. Expert Systems With Applications, 2021, 184, 115495.	4.4	5
49	A hybrid cooperative differential evolution assisted by CMA-ES with local search mechanism. Neural Computing and Applications, 2022, 34, 7173-7197.	3.2	5
50	A constrained multi-objective optimization algorithm with two cooperative populations. Memetic Computing, 2022, 14, 95-113.	2.7	5
51	A two-stage cooperative scatter search algorithm with multi-population hierarchical learning mechanism. Expert Systems With Applications, 2022, 203, 117444.	4.4	5
52	A Hybrid Particle Swarm Optimization(PSO) Algorithm Schemes for Integrated Process Planning and Production Scheduling. , 2006, , .		4
53	A Novel Multi-Objective Optimization Algorithm Based on Differential Evolution and NSGA-II. , 2018, , .		4
54	A hybrid self-adaptive invasive weed algorithm with differential evolution. Connection Science, 2021, 33, 929-953.	1.8	4

#	ARTICLE	IF	CITATIONS
55	A Hybrid Approach Based on Artificial Neural Network and Genetic Algorithm for Job-shop Scheduling Problem. , 0, , .		3
56	A multi-agent model for the order driven agile manufacturing systems and order form selection algorithm. , 2009, , .		3
57	A novel hybrid combination optimization algorithm based on search area segmentation and fast Fourier transform. Engineering Optimization, 2019, 51, 846-861.	1.5	3
58	A sequential seed scheduling heuristic based on determinate and latent margin for influence maximization problem with limited budget. International Journal of Modern Physics C, 2021, 32, 2150079.	0.8	2
59	An Orthogonal Learning Design Whale Optimization Algorithm with Clustering Mechanism. , 2021, , .		2
60	Application of PSO with Different Typical Neighbor Structure to Complex Job Shop Scheduling Problem. Applied Mathematics and Information Sciences, 2013, 7, 499-503.	0.7	2
61	Application of A Hybrid Particle Swarm Optimization Algorithm to Dynamic Holon Reconfiguring Problem. , 2006, , .		1
62	Multi-agent based system architecture for agile manufacturing system and its learning algorithm with CMAC (Cerebellar Model Articulation Controller). , 2009, , .		1
63	A Novel Pareto Archive Evolution Algorithm with Adaptive Grid Strategy for Multi-objective Optimization Problem. , 2019, , .		1
64	Elitist Guided Parameter Adaptive Brain Storm Optimization Algorithm. , 2021, , .		1
65	An estimation of distribution algorithm with multiple intensification strategies for two-stage hybrid flow-shop scheduling problem with sequence-dependent setup time. Applied Intelligence, 0, , .	3.3	1
66	A brain storm optimization algorithm with feature information knowledge and learning mechanism. Applied Intelligence, 0, , .	3.3	1
67	Dynamic Markov-based Queuing Models and Strategies with Heterogeneous Processing Capabilities to Optimize Machine Utilization. , 2018, , .		0
68	A Novel Fruit Fly Optimization Algorithm with Vision Scanning Search and Extensive Learning Mechanism. , 2021, , .		0
69	An Algorithm Based on Monarch Butterfly Optimization with Learning Mechanism and Topological Structure. , 2021, , .		0
70	A Novel Surrogate-guided Jaya Algorithm for the Continuous Numerical Optimization Problems. , 2021, , .		0
71	Backtracking Search Algorithm based on Knowledge of Different Populations for Continuous Optimization Problems. , 2021, , .		0
72	An ensemble discrete water wave optimization algorithm for the blocking flow-shop scheduling problem with makespan criterion. Applied Intelligence, 0, , 1.	3.3	0

#	ARTICLE	IF	CITATIONS
73	A Comprehensive Learning Moth-Flame Optimization with Low Discrepancy Sequence. , 2022, , .		0
74	A Self-Adapting Water Wave Optimization Algorithm for Distributed Blocking Flow-Shop Scheduling Problem. , 2022, , .		0
75	A Discrete Whale Optimization Algorithm for Blocking Flow-Shop Scheduling Problem with Sequence-Dependent Setup Times. , 2022, , .		0