

Ling Wang

List of Publications by Year in descending order

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318
papers

16,244
citations

10956

71
h-index

21474

114
g-index

322
all docs

322
docs citations

322
times ranked

7683
citing authors

#	ARTICLE	IF	CITATIONS
1	An effective co-evolutionary particle swarm optimization for constrained engineering design problems. <i>Engineering Applications of Artificial Intelligence</i> , 2007, 20, 89-99.	4.3	917
2	Improved particle swarm optimization combined with chaos. <i>Chaos, Solitons and Fractals</i> , 2005, 25, 1261-1271.	2.5	802
3	An effective co-evolutionary differential evolution for constrained optimization. <i>Applied Mathematics and Computation</i> , 2007, 186, 340-356.	1.4	471
4	An Effective PSO-Based Memetic Algorithm for Flow Shop Scheduling. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2007, 37, 18-27.	5.5	417
5	A hybrid particle swarm optimization with a feasibility-based rule for constrained optimization. <i>Applied Mathematics and Computation</i> , 2007, 186, 1407-1422.	1.4	413
6	An effective hybrid optimization strategy for job-shop scheduling problems. <i>Computers and Operations Research</i> , 2001, 28, 585-596.	2.4	230
7	A novel hybrid discrete differential evolution algorithm for blocking flow shop scheduling problems. <i>Computers and Operations Research</i> , 2010, 37, 509-520.	2.4	221
8	Parameter extraction of photovoltaic models using an improved teaching-learning-based optimization. <i>Energy Conversion and Management</i> , 2019, 186, 293-305.	4.4	211
9	A novel discrete artificial bee colony algorithm for the hybrid flowshop scheduling problem with makespan minimisation. <i>Omega</i> , 2014, 45, 42-56.	3.6	201
10	Effective heuristics and metaheuristics to minimize total flowtime for the distributed permutation flowshop problem. <i>Expert Systems With Applications</i> , 2019, 124, 309-324.	4.4	196
11	An effective estimation of distribution algorithm for solving the distributed permutation flow-shop scheduling problem. <i>International Journal of Production Economics</i> , 2013, 145, 387-396.	5.1	186
12	An Effective Artificial Bee Colony Algorithm for a Real-World Hybrid Flowshop Problem in Steelmaking Process. <i>IEEE Transactions on Automation Science and Engineering</i> , 2013, 10, 307-322.	3.4	183
13	A novel binary fruit fly optimization algorithm for solving the multidimensional knapsack problem. <i>Knowledge-Based Systems</i> , 2013, 48, 17-23.	4.0	180
14	A Hybrid Quantum-Inspired Genetic Algorithm for Multiobjective Flow Shop Scheduling. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2007, 37, 576-591.	5.5	177
15	A novel differential evolution algorithm for bi-criteria no-wait flow shop scheduling problems. <i>Computers and Operations Research</i> , 2009, 36, 2498-2511.	2.4	167
16	A competitive memetic algorithm for multi-objective distributed permutation flow shop scheduling problem. <i>Swarm and Evolutionary Computation</i> , 2017, 32, 121-131.	4.5	165
17	An effective differential evolution with level comparison for constrained engineering design. <i>Structural and Multidisciplinary Optimization</i> , 2010, 41, 947-963.	1.7	158
18	An Estimation of Distribution Algorithm-Based Memetic Algorithm for the Distributed Assembly Permutation Flow-Shop Scheduling Problem. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016, 46, 139-149.	5.9	158

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19	An effective artificial bee colony algorithm for the flexible job-shop scheduling problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 60, 303-315.	1.5	157
20	Parameter estimation for chaotic systems by particle swarm optimization. <i>Chaos, Solitons and Fractals</i> , 2007, 34, 654-661.	2.5	156
21	Behavior of crossover operators in NSGA-III for large-scale optimization problems. <i>Information Sciences</i> , 2020, 509, 470-487.	4.0	151
22	A Self-Adaptive Differential Evolution Algorithm for Scheduling a Single Batch-Processing Machine With Arbitrary Job Sizes and Release Times. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 1430-1442.	6.2	146
23	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
24	An effective shuffled frog-leaping algorithm for resource-constrained project scheduling problem. <i>Computers and Operations Research</i> , 2012, 39, 890-901.	2.4	139
25	An effective teaching-learning-based optimization algorithm for the flexible job-shop scheduling problem with fuzzy processing time. <i>Neurocomputing</i> , 2015, 148, 260-268.	3.5	139
26	A review of energy-efficient scheduling in intelligent production systems. <i>Complex & Intelligent Systems</i> , 2020, 6, 237-249.	4.0	139
27	A Two-Phase Meta-Heuristic for Multiobjective Flexible Job Shop Scheduling Problem With Total Energy Consumption Threshold. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 1097-1109.	6.2	138
28	A Knowledge-Based Cooperative Algorithm for Energy-Efficient Scheduling of Distributed Flow-Shop. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 1805-1819.	5.9	137
29	An effective hybrid DE-based algorithm for multi-objective flow shop scheduling with limited buffers. <i>Computers and Operations Research</i> , 2009, 36, 209-233.	2.4	129
30	Parameter estimation of photovoltaic models with memetic adaptive differential evolution. <i>Solar Energy</i> , 2019, 190, 465-474.	2.9	128
31	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
32	A novel fruit fly optimization algorithm for the semiconductor final testing scheduling problem. <i>Knowledge-Based Systems</i> , 2014, 57, 95-103.	4.0	126
33	Hybrid Artificial Bee Colony Algorithm for a Parallel Batching Distributed Flow-Shop Problem With Deteriorating Jobs. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 2425-2439.	6.2	121
34	Minimizing the total flow time in a flow shop with blocking by using hybrid harmony search algorithms. <i>Expert Systems With Applications</i> , 2010, 37, 7929-7936.	4.4	120
35	A hybrid differential evolution method for permutation flow-shop scheduling. <i>International Journal of Advanced Manufacturing Technology</i> , 2008, 38, 757-777.	1.5	118
36	Asymmetric Tunable Photonic Bandgaps in Self-Organized 3D Nanostructure of Polymer-Stabilized Blue Phase I Modulated by Voltage Polarity. <i>Advanced Functional Materials</i> , 2017, 27, 1702261.	7.8	117

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37	A Collaborative Multiobjective Fruit Fly Optimization Algorithm for the Resource Constrained Unrelated Parallel Machine Green Scheduling Problem. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, 48, 790-800.	5.9	116
38	Particle swarm optimization for function optimization in noisy environment. <i>Applied Mathematics and Computation</i> , 2006, 181, 908-919.	1.4	113
39	An effective hybrid immune algorithm for solving the distributed permutation flow-shop scheduling problem. <i>Engineering Optimization</i> , 2014, 46, 1269-1283.	1.5	111
40	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
41	A bi-population based estimation of distribution algorithm for the flexible job-shop scheduling problem. <i>Computers and Industrial Engineering</i> , 2012, 62, 917-926.	3.4	105
42	A knowledge-guided multi-objective fruit fly optimization algorithm for the multi-skill resource constrained project scheduling problem. <i>Swarm and Evolutionary Computation</i> , 2018, 38, 54-63.	4.5	105
43	Effective heuristics for the blocking flowshop scheduling problem with makespan minimization. <i>Omega</i> , 2012, 40, 218-229.	3.6	103
44	Hyperplane Assisted Evolutionary Algorithm for Many-Objective Optimization Problems. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 3367-3380.	6.2	103
45	Optimal power flow by means of improved adaptive differential evolution. <i>Energy</i> , 2020, 198, 117314.	4.5	102
46	An effective hybrid particle swarm optimization for no-wait flow shop scheduling. <i>International Journal of Advanced Manufacturing Technology</i> , 2007, 31, 1001-1011.	1.5	101
47	An Effective PSO-Based Hybrid Algorithm for Multiobjective Permutation Flow Shop Scheduling. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , 2008, 38, 818-831.	3.4	101
48	An improved iterated greedy algorithm for the no-wait flow shop scheduling problem with makespan criterion. <i>International Journal of Advanced Manufacturing Technology</i> , 2008, 38, 778-786.	1.5	99
49	A hybrid genetic algorithmâ€œneural network strategy for simulation optimization. <i>Applied Mathematics and Computation</i> , 2005, 170, 1329-1343.	1.4	96
50	An effective estimation of distribution algorithm for the multi-mode resource-constrained project scheduling problem. <i>Computers and Operations Research</i> , 2012, 39, 449-460.	2.4	95
51	Distributed scheduling problems in intelligent manufacturing systems. <i>Tsinghua Science and Technology</i> , 2021, 26, 625-645.	4.1	94
52	A knowledge-guided fruit fly optimization algorithm for dual resource constrained flexible job-shop scheduling problem. <i>International Journal of Production Research</i> , 2016, 54, 5554-5566.	4.9	92
53	Hybrid genetic algorithm based on quantum computing for numerical optimization and parameter estimation. <i>Applied Mathematics and Computation</i> , 2005, 171, 1141-1156.	1.4	91
54	A Review of Reinforcement Learning Based Intelligent Optimization for Manufacturing Scheduling. <i>Complex System Modeling and Simulation</i> , 2021, 1, 257-270.	3.2	90

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55	An effective hybrid biogeography-based optimization algorithm for parameter estimation of chaotic systems. <i>Expert Systems With Applications</i> , 2011, 38, 15103-15109.	4.4	88
56	An enhanced Pareto-based artificial bee colony algorithm for the multi-objective flexible job-shop scheduling. <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 60, 1111-1123.	1.5	88
57	A hybrid artificial bee colony algorithm for the fuzzy flexible job-shop scheduling problem. <i>International Journal of Production Research</i> , 2013, 51, 3593-3608.	4.9	86
58	A competitive memetic algorithm for the distributed two-stage assembly flow-shop scheduling problem. <i>International Journal of Production Research</i> , 2016, 54, 3561-3577.	4.9	84
59	A hybrid estimation of distribution algorithm for solving the resource-constrained project scheduling problem. <i>Expert Systems With Applications</i> , 2012, 39, 2451-2460.	4.4	83
60	An improved multi-objective evolutionary algorithm based on decomposition for energy-efficient permutation flow shop scheduling problem with sequence-dependent setup time. <i>International Journal of Production Research</i> , 2019, 57, 1756-1771.	4.9	82
61	An effective shuffled frog-leaping algorithm for multi-mode resource-constrained project scheduling problem. <i>Information Sciences</i> , 2011, 181, 4804-4822.	4.0	81
62	A coevolutionary differential evolution with harmony search for reliabilityâ€“redundancy optimization. <i>Expert Systems With Applications</i> , 2012, 39, 5271-5278.	4.4	81
63	A cooperative coevolution algorithm for multi-objective fuzzy distributed hybrid flow shop. <i>Knowledge-Based Systems</i> , 2020, 194, 105536.	4.0	80
64	A memetic algorithm with competition for the capacitated green vehicle routing problem. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2019, 6, 516-526.	8.5	79
65	Scheduling multi-objective job shops using a memetic algorithm based on differential evolution. <i>International Journal of Advanced Manufacturing Technology</i> , 2008, 35, 1014-1027.	1.5	78
66	An effective estimation of distribution algorithm for the flexible job-shop scheduling problem with fuzzy processing time. <i>International Journal of Production Research</i> , 2013, 51, 3778-3793.	4.9	78
67	A Multimodel Prediction Method for Dynamic Multiobjective Evolutionary Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2020, 24, 290-304.	7.5	76
68	Polymer-stabilized nanoparticle-enriched blue phase liquid crystals. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6526.	2.7	75
69	A collaborative optimization algorithm for energy-efficient multi-objective distributed no-idle flow-shop scheduling. <i>Swarm and Evolutionary Computation</i> , 2019, 50, 100557.	4.5	75
70	Finding Multiple Roots of Nonlinear Equation Systems via a Repulsion-Based Adaptive Differential Evolution. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 1499-1513.	5.9	74
71	Differential evolution algorithm-based parameter estimation for chaotic systems. <i>Chaos, Solitons and Fractals</i> , 2009, 39, 2110-2118.	2.5	71
72	An effective shuffled frog-leaping algorithm for lot-streaming flow shop scheduling problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 52, 699-713.	1.5	71

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73	An Effective Cooperative Co-Evolutionary Algorithm for Distributed Flowshop Group Scheduling Problems. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 5999-6012.	6.2	71
74	An efficient multi-objective model and algorithm for sizing a stand-alone hybrid renewable energy system. <i>Energy</i> , 2017, 141, 2288-2299.	4.5	70
75	Siting and sizing of fast charging stations in highway network with budget constraint. <i>Applied Energy</i> , 2018, 228, 1255-1271.	5.1	69
76	An effective hybrid PSOSA strategy for optimization and its application to parameter estimation. <i>Applied Mathematics and Computation</i> , 2006, 179, 135-146.	1.4	67
77	A hybrid discrete particle swarm optimization algorithm for the no-wait flow shop scheduling problem with makespan criterion. <i>International Journal of Advanced Manufacturing Technology</i> , 2008, 38, 337-347.	1.5	66
78	A distributed permutation flowshop scheduling problem with the customer order constraint. <i>Knowledge-Based Systems</i> , 2019, 184, 104894.	4.0	66
79	A hybrid adaptive teaching-learning-based optimization and differential evolution for parameter identification of photovoltaic models. <i>Energy Conversion and Management</i> , 2020, 225, 113474.	4.4	66
80	No-idle permutation flow shop scheduling based on a hybrid discrete particle swarm optimization algorithm. <i>International Journal of Advanced Manufacturing Technology</i> , 2008, 39, 796-807.	1.5	65
81	An effective hybrid EDA-based algorithm for solving multidimensional knapsack problem. <i>Expert Systems With Applications</i> , 2012, 39, 5593-5599.	4.4	64
82	Directing orbits of chaotic systems by particle swarm optimization. <i>Chaos, Solitons and Fractals</i> , 2006, 29, 454-461.	2.5	63
83	A High Performing Memetic Algorithm for the Flowshop Scheduling Problem With Blocking. <i>IEEE Transactions on Automation Science and Engineering</i> , 2013, 10, 741-756.	3.4	63
84	An Improved Ant Colony Optimization algorithm to the Periodic Vehicle Routing Problem with Time Window and Service Choice. <i>Swarm and Evolutionary Computation</i> , 2020, 55, 100675.	4.5	63
85	A human learning optimization algorithm and its application to multi-dimensional knapsack problems. <i>Applied Soft Computing Journal</i> , 2015, 34, 736-743.	4.1	62
86	A two-stage adaptive fruit fly optimization algorithm for unrelated parallel machine scheduling problem with additional resource constraints. <i>Expert Systems With Applications</i> , 2016, 65, 28-39.	4.4	62
87	Nonlinear Equations Solving with Intelligent Optimization Algorithms: A Survey. <i>Complex System Modeling and Simulation</i> , 2021, 1, 15-32.	3.2	62
88	Decomposition-based multi-objective optimization for energy-aware distributed hybrid flow shop scheduling with multiprocessor tasks. <i>Tsinghua Science and Technology</i> , 2021, 26, 646-663.	4.1	62
89	A Pareto-based estimation of distribution algorithm for the multi-objective flexible job-shop scheduling problem. <i>International Journal of Production Research</i> , 2013, 51, 3574-3592.	4.9	61
90	Teaching-learning-based optimization algorithm for multi-skill resource constrained project scheduling problem. <i>Soft Computing</i> , 2017, 21, 1537-1548.	2.1	61

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91	Multi-clustering via evolutionary multi-objective optimization. Information Sciences, 2018, 450, 128-140.	4.0	60
92	Multi-objective optimal design of hybrid renewable energy system under multiple scenarios. Renewable Energy, 2020, 151, 226-237.	4.3	59
93	Opposition-based learning monarch butterfly optimization with Gaussian perturbation for large-scale 0-1 knapsack problem. Computers and Electrical Engineering, 2018, 67, 454-468.	3.0	58
94	Solving energy-efficient distributed job shop scheduling via multi-objective evolutionary algorithm with decomposition. Swarm and Evolutionary Computation, 2020, 58, 100745.	4.5	58
95	A Cooperative Memetic Algorithm With Learning-Based Agent for Energy-Aware Distributed Hybrid Flow-Shop Scheduling. IEEE Transactions on Evolutionary Computation, 2022, 26, 461-475.	7.5	54
96	Control and synchronization of chaotic systems by differential evolution algorithm. Chaos, Solitons and Fractals, 2007, 34, 412-419.	2.5	53
97	Satellite observation scheduling with a novel adaptive simulated annealing algorithm and a dynamic task clustering strategy. Computers and Industrial Engineering, 2017, 113, 576-588.	3.4	52
98	A Knowledge-Based Two-Population Optimization Algorithm for Distributed Energy-Efficient Parallel Machines Scheduling. IEEE Transactions on Cybernetics, 2022, 52, 5051-5063.	6.2	52
99	Multi-objective optimal power flow with stochastic wind and solar power. Applied Soft Computing Journal, 2022, 114, 108045.	4.1	51
100	A hybrid estimation of distribution algorithm for unrelated parallel machine scheduling with sequence-dependent setup times. IEEE/CAA Journal of Automatica Sinica, 2016, 3, 235-246.	8.5	50
101	A Bi-Population Cooperative Memetic Algorithm for Distributed Hybrid Flow-Shop Scheduling. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 947-961.	3.4	50
102	Solving the blocking flow shop scheduling problem by a dynamic multi-swarm particle swarm optimizer. International Journal of Advanced Manufacturing Technology, 2011, 55, 755-762.	1.5	48
103	An estimation of distribution algorithm and new computational results for the stochastic resource-constrained project scheduling problem. Flexible Services and Manufacturing Journal, 2015, 27, 585-605.	1.9	48
104	Comparative study on parameter extraction of photovoltaic models via differential evolution. Energy Conversion and Management, 2019, 201, 112113.	4.4	47
105	Parameter identification of chaotic systems by hybrid Nelder-Mead simplex search and differential evolution algorithm. Expert Systems With Applications, 2011, 38, 3238-3245.	4.4	46
106	A matrix-cube-based estimation of distribution algorithm for the distributed assembly permutation flow-shop scheduling problem. Swarm and Evolutionary Computation, 2021, 60, 100785.	4.5	46
107	Optical intensity-driven reversible photonic bandgaps in self-organized helical superstructures with handedness inversion. Journal of Materials Chemistry C, 2017, 5, 3678-3683.	2.7	44
108	Solving Nonlinear Equations System With Dynamic Repulsion-Based Evolutionary Algorithms. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1590-1601.	5.9	44

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109	An effective hybrid quantum-inspired evolutionary algorithm for parameter estimation of chaotic systems. <i>Expert Systems With Applications</i> , 2010, 37, 1279-1285.	4.4	43
110	Modified NSGA-III for sensor placement in water distribution system. <i>Information Sciences</i> , 2020, 509, 488-500.	4.0	43
111	Multi-objective optimization based on decomposition for flexible job shop scheduling under time-of-use electricity prices. <i>Knowledge-Based Systems</i> , 2020, 204, 106177.	4.0	43
112	An enhanced estimation of distribution algorithm for solving hybrid flow-shop scheduling problem with identical parallel machines. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 68, 2043-2056.	1.5	41
113	Reduction of carbon emissions and project makespan by a Pareto-based estimation of distribution algorithm. <i>International Journal of Production Economics</i> , 2015, 164, 421-432.	5.1	41
114	Utilizing the Relationship Between Unconstrained and Constrained Pareto Fronts for Constrained Multiobjective Optimization. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 3873-3886.	6.2	41
115	A Data-Driven Parallel Scheduling Approach for Multiple Agile Earth Observation Satellites. <i>IEEE Transactions on Evolutionary Computation</i> , 2020, 24, 679-693.	7.5	40
116	A Generic Markov Decision Process Model and Reinforcement Learning Method for Scheduling Agile Earth Observation Satellites. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 1463-1474.	5.9	40
117	Adaptive constraint differential evolution for optimal power flow. <i>Energy</i> , 2021, 235, 121362.	4.5	40
118	A multi-objective hot-rolling scheduling problem in the compact strip production. <i>Applied Mathematical Modelling</i> , 2019, 73, 327-348.	2.2	39
119	Feature selection based on meta-heuristics for biomedicine. <i>Optimization Methods and Software</i> , 2014, 29, 703-719.	1.6	38
120	Application of an effective modified gravitational search algorithm for the coordinated scheduling problem in a two-stage supply chain. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 70, 335-348.	1.5	38
121	A bi-population EDA for solving the no-idle permutation flow-shop scheduling problem with the total tardiness criterion. <i>Knowledge-Based Systems</i> , 2015, 74, 167-175.	4.0	38
122	A cooperative memetic algorithm with feedback for the energy-aware distributed flow-shops with flexible assembly scheduling. <i>Computers and Industrial Engineering</i> , 2022, 168, 108126.	3.4	38
123	An effective hybrid genetic algorithm with flexible allowance technique for constrained engineering design optimization. <i>Expert Systems With Applications</i> , 2012, 39, 6041-6051.	4.4	36
124	A modified teaching-learning-based optimisation algorithm for bi-objective re-entrant hybrid flowshop scheduling. <i>International Journal of Production Research</i> , 2016, 54, 3622-3639.	4.9	36
125	Fuzzy neighborhood-based differential evolution with orientation for nonlinear equation systems. <i>Knowledge-Based Systems</i> , 2019, 182, 104796.	4.0	36
126	Hierarchy Ranking Method for Multimodal Multiobjective Optimization With Local Pareto Fronts. <i>IEEE Transactions on Evolutionary Computation</i> , 2023, 27, 98-110.	7.5	36

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127	Fast and accurate parameter extraction for different types of fuel cells with decomposition and nature-inspired optimization method. <i>Energy Conversion and Management</i> , 2018, 174, 913-921.	4.4	34
128	An evolutionary fuzzy scheduler for multi-objective resource allocation in fog computing. <i>Future Generation Computer Systems</i> , 2021, 117, 498-509.	4.9	34
129	Fixed-Structure H_{∞} Controller Synthesis Based on Differential Evolution With Level Comparison. <i>IEEE Transactions on Evolutionary Computation</i> , 2011, 15, 120-129.	7.5	33
130	A multi-model estimation of distribution algorithm for energy efficient scheduling under cloud computing system. <i>Journal of Parallel and Distributed Computing</i> , 2018, 117, 63-72.	2.7	32
131	An effective multi-objective evolutionary algorithm for solving the AGV scheduling problem with pickup and delivery. <i>Knowledge-Based Systems</i> , 2021, 218, 106881.	4.0	32
132	A Bi-Population Evolutionary Algorithm With Feedback for Energy-Efficient Fuzzy Flexible Job Shop Scheduling. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 5295-5307.	5.9	32
133	A modified evolutionary programming for flow shop scheduling. <i>International Journal of Advanced Manufacturing Technology</i> , 2003, 22, 522-527.	1.5	30
134	An adaptive genetic algorithm with multiple operators for flowshop scheduling. <i>International Journal of Advanced Manufacturing Technology</i> , 2006, 27, 580-587.	1.5	30
135	Effects of polymer network on electrically induced reflection band broadening of cholesteric liquid crystals. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 835-846.	2.4	30
136	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
137	A reinforcement learning brain storm optimization algorithm (BSO) with learning mechanism. <i>Knowledge-Based Systems</i> , 2022, 235, 107645.	4.0	30
138	Parameter analysis based on stochastic model for differential evolution algorithm. <i>Applied Mathematics and Computation</i> , 2010, 217, 3263-3273.	1.4	29
139	A unified framework for population-based metaheuristics. <i>Annals of Operations Research</i> , 2011, 186, 231-262.	2.6	29
140	Preference-inspired coevolutionary algorithm with active diversity strategy for multi-objective multi-modal optimization. <i>Information Sciences</i> , 2021, 546, 1148-1165.	4.0	29
141	A simple two-stage evolutionary algorithm for constrained multi-objective optimization. <i>Knowledge-Based Systems</i> , 2021, 228, 107263.	4.0	29
142	Large-scale medical examination scheduling technology based on intelligent optimization. <i>Journal of Combinatorial Optimization</i> , 2019, 37, 385-404.	0.8	28
143	Multiobjective Differential Evolution Algorithm for Solving Robotic Cell Scheduling Problem With Batch-Processing Machines. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021, 18, 757-775.	3.4	28
144	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

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145	Solving randomized time-varying knapsack problems by a novel global firefly algorithm. <i>Engineering With Computers</i> , 2018, 34, 621-635.	3.5	27
146	Data-Driven Heuristic Assisted Memetic Algorithm for Efficient Inter-Satellite Link Scheduling in the BeiDou Navigation Satellite System. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2021, 8, 1800-1816.	8.5	27
147	Hybrid Evolutionary Scheduling for Energy-Efficient Fog-Enhanced Internet of Things. <i>IEEE Transactions on Cloud Computing</i> , 2021, 9, 641-653.	3.1	26
148	Deep Reinforcement Learning for Combinatorial Optimization: Covering Salesman Problems. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 13142-13155.	6.2	26
149	A two-stage evolutionary algorithm based on three indicators for constrained multi-objective optimization. <i>Expert Systems With Applications</i> , 2022, 195, 116499.	4.4	26
150	A tri-population based co-evolutionary framework for constrained multi-objective optimization problems. <i>Swarm and Evolutionary Computation</i> , 2022, 70, 101055.	4.5	26
151	Stochastic optimization using simulated annealing with hypothesis test. <i>Applied Mathematics and Computation</i> , 2006, 174, 1329-1342.	1.4	25
152	A Voting-Mechanism-Based Ensemble Framework for Constraint Handling Techniques. <i>IEEE Transactions on Evolutionary Computation</i> , 2022, 26, 646-660.	7.5	25
153	Designing Neural Networks Using Hybrid Particle Swarm Optimization. <i>Lecture Notes in Computer Science</i> , 2005, , 391-397.	1.0	24
154	Decoding methods for the flow shop scheduling with peak power consumption constraints. <i>International Journal of Production Research</i> , 2019, 57, 3200-3218.	4.9	24
155	An XGBoost-enhanced fast constructive algorithm for food delivery route planning problem. <i>Computers and Industrial Engineering</i> , 2021, 152, 107029.	3.4	24
156	A novel group search optimizer for multi-objective optimization. <i>Expert Systems With Applications</i> , 2012, 39, 2939-2946.	4.4	23
157	Deep Reinforcement Learning Based Optimization Algorithm for Permutation Flow-Shop Scheduling. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2023, 7, 983-994.	3.4	23
158	A Two-Stage Evolutionary Algorithm With Balanced Convergence and Diversity for Many-Objective Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 6222-6234.	5.9	23
159	Efficient multiobjective optimization for an AGV energy-efficient scheduling problem with release time. <i>Knowledge-Based Systems</i> , 2022, 242, 108334.	4.0	23
160	Directing orbits of chaotic systems using a hybrid optimization strategy. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 324, 22-25.	0.9	22
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