Ling Wang

List of Publications by Year
in descending order

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318 papers	16,244 citations	10986 71 h-index	21540 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. Engineering Applications of Artificial Intelligence, 2007, 20, 89-99.	8.1	917
2	Improved particle swarm optimization combined with chaos. Chaos, Solitons and Fractals, 2005, 25, 1261-1271.	5.1	802
3	An effective co-evolutionary differential evolution for constrained optimization. Applied Mathematics and Computation, 2007, 186, 340-356.	2.2	471
4	An Effective PSO-Based Memetic Algorithm for Flow Shop Scheduling. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 18-27.	5.0	417
5	A hybrid particle swarm optimization with a feasibility-based rule for constrained optimization. Applied Mathematics and Computation, 2007, 186, 1407-1422.	2.2	413
6	An effective hybrid optimization strategy for job-shop scheduling problems. Computers and Operations Research, 2001, 28, 585-596.	4.0	230
7	A novel hybrid discrete differential evolution algorithm for blocking flow shop scheduling problems. Computers and Operations Research, 2010, 37, 509-520.	4.0	221
8	Parameter extraction of photovoltaic models using an improved teaching-learning-based optimization. Energy Conversion and Management, 2019, 186, 293-305.	9.2	211
9	A novel discrete artificial bee colony algorithm for the hybrid flowshop scheduling problem with makespan minimisation. Omega, 2014, 45, 42-56.	5.9	201
10	Effective heuristics and metaheuristics to minimize total flowtime for the distributed permutation flowshop problem. Expert Systems With Applications, 2019, 124, 309-324.	7.6	196
11	An effective estimation of distribution algorithm for solving the distributed permutation flow-shop scheduling problem. International Journal of Production Economics, 2013, 145, 387-396.	8.9	186
12	An Effective Artificial Bee Colony Algorithm for a Real-World Hybrid Flowshop Problem in Steelmaking Process. IEEE Transactions on Automation Science and Engineering, 2013, 10, 307-322.	5.2	183
13	A novel binary fruit fly optimization algorithm for solving the multidimensional knapsack problem. Knowledge-Based Systems, 2013, 48, 17-23.	7.1	180
14	A Hybrid Quantum-Inspired Genetic Algorithm for Multiobjective Flow Shop Scheduling. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 576-591.	5.0	177
15	A novel differential evolution algorithm for bi-criteria no-wait flow shop scheduling problems. Computers and Operations Research, 2009, 36, 2498-2511.	4.0	167
16	A competitive memetic algorithm for multi-objective distributed permutation flow shop scheduling problem. Swarm and Evolutionary Computation, 2017, 32, 121-131.	8.1	165
17	An effective differential evolution with level comparison for constrained engineering design. Structural and Multidisciplinary Optimization, 2010, 41, 947-963.	3.5	158
18	An Estimation of Distribution Algorithm-Based Memetic Algorithm for the Distributed Assembly Permutation Flow-Shop Scheduling Problem. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 139-149.	9.3	158

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19	An effective artificial bee colony algorithm for the flexible job-shop scheduling problem. International Journal of Advanced Manufacturing Technology, 2012, 60, 303-315.	3.0	157
20	Parameter estimation for chaotic systems by particle swarm optimization. Chaos, Solitons and Fractals, 2007, 34, 654-661.	5.1	156
21	Behavior of crossover operators in NSGA-III for large-scale optimization problems. Information Sciences, 2020, 509, 470-487.	6.9	151
22	A Self-Adaptive Differential Evolution Algorithm for Scheduling a Single Batch-Processing Machine With Arbitrary Job Sizes and Release Times. IEEE Transactions on Cybernetics, 2021, 51, 1430-1442.	9.5	146
23	An ensemble discrete differential evolution for the distributed blocking flowshop scheduling with minimizing makespan criterion. Expert Systems With Applications, 2020, 160, 113678.	7.6	145
24	An effective shuffled frog-leaping algorithm for resource-constrained project scheduling problem. Computers and Operations Research, 2012, 39, 890-901.	4.0	139
25	An effective teachingâ€“learning-based optimization algorithm for the flexible job-shop scheduling problem with fuzzy processing time. Neurocomputing, 2015, 148, 260-268.	5.9	139
26	A review of energy-efficient scheduling in intelligent production systems. Complex & Intelligent Systems, 2020, 6, 237-249.	6.5	139
27	A Two-Phase Meta-Heuristic for Multiobjective Flexible Job Shop Scheduling Problem With Total Energy Consumption Threshold. IEEE Transactions on Cybernetics, 2019, 49, 1097-1109.	9.5	138
28	A Knowledge-Based Cooperative Algorithm for Energy-Efficient Scheduling of Distributed Flow-Shop. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1805-1819.	9.3	137
29	An effective hybrid DE-based algorithm for multi-objective flow shop scheduling with limited buffers. Computers and Operations Research, 2009, 36, 209-233.	4.0	129
30	Parameter estimation of photovoltaic models with memetic adaptive differential evolution. Solar Energy, 2019, 190, 465-474.	6.1	128
31	A Two-Stage Cooperative Evolutionary Algorithm With Problem-Specific Knowledge for Energy-Efficient Scheduling of No-Wait Flow-Shop Problem. IEEE Transactions on Cybernetics, 2021, 51, 5291-5303.	9.5	128
32	A novel fruit fly optimization algorithm for the semiconductor final testing scheduling problem. Knowledge-Based Systems, 2014, 57, 95-103.	7.1	126
33	Hybrid Artificial Bee Colony Algorithm for a Parallel Batching Distributed Flow-Shop Problem With Deteriorating Jobs. IEEE Transactions on Cybernetics, 2020, 50, 2425-2439.	9.5	121
34	Minimizing the total flow time in a flow shop with blocking by using hybrid harmony search algorithms. Expert Systems With Applications, 2010, 37, 7929-7936.	7.6	120
35	A hybrid differential evolution method for permutation flow-shop scheduling. International Journal of Advanced Manufacturing Technology, 2008, 38, 757-777.	3.0	118
36	Asymmetric Tunable Photonic Bandgaps in Selfâ€Organized 3D Nanostructure of Polymerâ€Stabilized Blue Phase I Modulated by Voltage Polarity. Advanced Functional Materials, 2017, 27, 1702261.	14.9	117

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37	A Collaborative Multiobjective Fruit Fly Optimization Algorithm for the Resource Constrained Unrelated Parallel Machine Green Scheduling Problem. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 790-800.	9.3	116
38	Particle swarm optimization for function optimization in noisy environment. Applied Mathematics and Computation, 2006, 181, 908-919.	2.2	113
39	An effective hybrid immune algorithm for solving the distributed permutation flow-shop scheduling problem. Engineering Optimization, 2014, 46, 1269-1283.	2.6	111
40	A Self-Learning Discrete Jaya Algorithm for Multiobjective Energy-Efficient Distributed No-Idle Flow-Shop Scheduling Problem in Heterogeneous Factory System. IEEE Transactions on Cybernetics, 2022, 52, 12675-12686.	9.5	106
41	A bi-population based estimation of distribution algorithm for the flexible job-shop scheduling problem. Computers and Industrial Engineering, 2012, 62, 917-926.	6.3	105
42	A knowledge-guided multi-objective fruit fly optimization algorithm for the multi-skill resource constrained project scheduling problem. Swarm and Evolutionary Computation, 2018, 38, 54-63.	8.1	105
43	Effective heuristics for the blocking flowshop scheduling problem with makespan minimization. Omega, 2012, 40, 218-229.	5.9	103
44	Hyperplane Assisted Evolutionary Algorithm for Many-Objective Optimization Problems. IEEE Transactions on Cybernetics, 2020, 50, 3367-3380.	9.5	103
45	Optimal power flow by means of improved adaptive differential evolution. Energy, 2020, 198, 117314.	8.8	102
46	An effective hybrid particle swarm optimization for no-wait flow shop scheduling. International Journal of Advanced Manufacturing Technology, 2007, 31, 1001-1011.	3.0	101
47	An Effective PSO-Based Hybrid Algorithm for Multiobjective Permutation Flow Shop Scheduling. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2008, 38, 818-831.	2.9	101
48	An improved iterated greedy algorithm for the no-wait flow shop scheduling problem with makespan criterion. International Journal of Advanced Manufacturing Technology, 2008, 38, 778-786.	3.0	99
49	A hybrid genetic algorithmâ€“neural network strategy for simulation optimization. Applied Mathematics and Computation, 2005, 170, 1329-1343.	2.2	96
50	An effective estimation of distribution algorithm for the multi-mode resource-constrained project scheduling problem. Computers and Operations Research, 2012, 39, 449-460.	4.0	95
51	Distributed scheduling problems in intelligent manufacturing systems. Tsinghua Science and Technology, 2021, 26, 625-645.	6.1	94
52	A knowledge-guided fruit fly optimization algorithm for dual resource constrained flexible job-shop scheduling problem. International Journal of Production Research, 2016, 54, 5554-5566.	7.5	92
53	Hybrid genetic algorithm based on quantum computing for numerical optimization and parameter estimation. Applied Mathematics and Computation, 2005, 171, 1141-1156.	2.2	91
54	A Review of Reinforcement Learning Based Intelligent Optimization for Manufacturing Scheduling. Complex System Modeling and Simulation, 2021, 1, 257-270.	5.3	90

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55	An effective hybrid biogeography-based optimization algorithm for parameter estimation of chaotic systems. Expert Systems With Applications, 2011, 38, 15103-15109.	7.6	88
56	An enhanced Pareto-based artificial bee colony algorithm for the multi-objective flexible job-shop scheduling. International Journal of Advanced Manufacturing Technology, 2012, 60, 1111-1123.	3.0	88
57	A hybrid artificial bee colony algorithm for the fuzzy flexible job-shop scheduling problem. International Journal of Production Research, 2013, 51, 3593-3608.	7.5	86
58	A competitive memetic algorithm for the distributed two-stage assembly flow-shop scheduling problem. International Journal of Production Research, 2016, 54, 3561-3577.	7.5	84
59	A hybrid estimation of distribution algorithm for solving the resource-constrained project scheduling problem. Expert Systems With Applications, 2012, 39, 2451-2460.	7.6	83
60	An improved multi-objective evolutionary algorithm based on decomposition for energy-efficient permutation flow shop scheduling problem with sequence-dependent setup time. International Journal of Production Research, 2019, 57, 1756-1771.	7.5	82
61	An effective shuffled frog-leaping algorithm for multi-mode resource-constrained project scheduling problem. Information Sciences, 2011, 181, 4804-4822.	6.9	81
62	A coevolutionary differential evolution with harmony search for reliabilityâ€“redundancy optimization. Expert Systems With Applications, 2012, 39, 5271-5278.	7.6	81
63	A cooperative coevolution algorithm for multi-objective fuzzy distributed hybrid flow shop. Knowledge-Based Systems, 2020, 194, 105536.	7.1	80
64	A memetic algorithm with competition for the capacitated green vehicle routing problem. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 516-526.	13.1	79
65	Scheduling multi-objective job shops using a memetic algorithm based on differential evolution. International Journal of Advanced Manufacturing Technology, 2008, 35, 1014-1027.	3.0	78
66	An effective estimation of distribution algorithm for the flexible job-shop scheduling problem with fuzzy processing time. International Journal of Production Research, 2013, 51, 3778-3793.	7.5	78
67	A Multimodel Prediction Method for Dynamic Multiobjective Evolutionary Optimization. IEEE Transactions on Evolutionary Computation, 2020, 24, 290-304.	10.0	76
68	Polymer-stabilized nanoparticle-enriched blue phase liquid crystals. Journal of Materials Chemistry C, 2013, 1, 6526.	5.5	75
69	A collaborative optimization algorithm for energy-efficient multi-objective distributed no-idle flow-shop scheduling. Swarm and Evolutionary Computation, 2019, 50, 100557.	8.1	75
70	Finding Multiple Roots of Nonlinear Equation Systems via a Repulsion-Based Adaptive Differential Evolution. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1499-1513.	9.3	74
71	Differential evolution algorithm-based parameter estimation for chaotic systems. Chaos, Solitons and Fractals, 2009, 39, 2110-2118.	5.1	71
72	An effective shuffled frog-leaping algorithm for lot-streaming flow shop scheduling problem. International Journal of Advanced Manufacturing Technology, 2011, 52, 699-713.	3.0	71

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73	An Effective Cooperative Co-Evolutionary Algorithm for Distributed Flowshop Group Scheduling Problems. IEEE Transactions on Cybernetics, 2022, 52, 5999-6012.	9.5	71
74	An efficient multi-objective model and algorithm for sizing a stand-alone hybrid renewable energy system. Energy, 2017, 141, 2288-2299.	8.8	70
75	Siting and sizing of fast charging stations in highway network with budget constraint. Applied Energy, 2018, 228, 1255-1271.	10.1	69
76	An effective hybrid PSOSA strategy for optimization and its application to parameter estimation. Applied Mathematics and Computation, 2006, 179, 135-146.	2.2	67
77	A hybrid discrete particle swarm optimization algorithm for the no-wait flow shop scheduling problem with makespan criterion. International Journal of Advanced Manufacturing Technology, 2008, 38, 337-347.	3.0	66
78	A distributed permutation flowshop scheduling problem with the customer order constraint. Knowledge-Based Systems, 2019, 184, 104894.	7.1	66
79	A hybrid adaptive teachingâ€“learning-based optimization and differential evolution for parameter identification of photovoltaic models. Energy Conversion and Management, 2020, 225, 113474.	9.2	66
80	No-idle permutation flow shop scheduling based on a hybrid discrete particle swarm optimization algorithm. International Journal of Advanced Manufacturing Technology, 2008, 39, 796-807.	3.0	65
81	An effective hybrid EDA-based algorithm for solving multidimensional knapsack problem. Expert Systems With Applications, 2012, 39, 5593-5599.	7.6	64
82	Directing orbits of chaotic systems by particle swarm optimization. Chaos, Solitons and Fractals, 2006, 29, 454-461.	5.1	63
83	A High Performing Memetic Algorithm for the Flowshop Scheduling Problem With Blocking. IEEE Transactions on Automation Science and Engineering, 2013, 10, 741-756.	5.2	63
84	An Improved Ant Colony Optimization algorithm to the Periodic Vehicle Routing Problem with Time Window and Service Choice. Swarm and Evolutionary Computation, 2020, 55, 100675.	8.1	63
85	A human learning optimization algorithm and its application to multi-dimensional knapsack problems. Applied Soft Computing Journal, 2015, 34, 736-743.	7.2	62
86	A two-stage adaptive fruit fly optimization algorithm for unrelated parallel machine scheduling problem with additional resource constraints. Expert Systems With Applications, 2016, 65, 28-39.	7.6	62
87	Nonlinear Equations Solving with Intelligent Optimization Algorithms: A Survey. Complex System Modeling and Simulation, 2021, 1, 15-32.	5.3	62
88	Decomposition-based multi-objective optimization for energy-aware distributed hybrid flow shop scheduling with multiprocessor tasks. Tsinghua Science and Technology, 2021, 26, 646-663.	6.1	62
89	A Pareto-based estimation of distribution algorithm for the multi-objective flexible job-shop scheduling problem. International Journal of Production Research, 2013, 51, 3574-3592.	7.5	61
90	Teachingâ€“learning-based optimization algorithm for multi-skill resource constrained project scheduling problem. Soft Computing, 2017, 21, 1537-1548.	3.6	61

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91	Multi-clustering via evolutionary multi-objective optimization. Information Sciences, 2018, 450, 128-140.	6.9	60
92	Multi-objective optimal design of hybrid renewable energy system under multiple scenarios. Renewable Energy, 2020, 151, 226-237.	8.9	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.	4.8	58
94	Solving energy-efficient distributed job shop scheduling via multi-objective evolutionary algorithm with decomposition. Swarm and Evolutionary Computation, 2020, 58, 100745.	8.1	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.	10.0	54
96	Control and synchronization of chaotic systems by differential evolution algorithm. Chaos, Solitons and Fractals, 2007, 34, 412-419.	5.1	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.	6.3	52
98	A Knowledge-Based Two-Population Optimization Algorithm for Distributed Energy-Efficient Parallel Machines Scheduling. IEEE Transactions on Cybernetics, 2022, 52, 5051-5063.	9.5	52
99	Multi-objective optimal power flow with stochastic wind and solar power. Applied Soft Computing Journal, 2022, 114, 108045.	7.2	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.	13.1	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.	4.9	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.	3.0	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.	3.4	48
104	Comparative study on parameter extraction of photovoltaic models via differential evolution. Energy Conversion and Management, 2019, 201, 112113.	9.2	47
105	Parameter identification of chaotic systems by hybrid Nelderâ€“Mead simplex search and differential evolution algorithm. Expert Systems With Applications, 2011, 38, 3238-3245.	7.6	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.	8.1	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.	5.5	44
108	Solving Nonlinear Equations System With Dynamic Repulsion-Based Evolutionary Algorithms. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1590-1601.	9.3	44

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109	An effective hybrid quantum-inspired evolutionary algorithm for parameter estimation of chaotic systems. Expert Systems With Applications, 2010, 37, 1279-1285.	7.6	43
110	Modified NSGA-III for sensor placement in water distribution system. Information Sciences, 2020, 509, 488-500.	6.9	43
111	Multi-objective optimization based on decomposition for flexible job shop scheduling under time-of-use electricity prices. Knowledge-Based Systems, 2020, 204, 106177.	7.1	43
112	An enhanced estimation of distribution algorithm for solving hybrid flow-shop scheduling problem with identical parallel machines. International Journal of Advanced Manufacturing Technology, 2013, 68, 2043-2056.	3.0	41
113	Reduction of carbon emissions and project makespan by a Pareto-based estimation of distribution algorithm. International Journal of Production Economics, 2015, 164, 421-432.	8.9	41
114	Utilizing the Relationship Between Unconstrained and Constrained Pareto Fronts for Constrained Multiobjective Optimization. IEEE Transactions on Cybernetics, 2023, 53, 3873-3886.	9.5	41
115	A Data-Driven Parallel Scheduling Approach for Multiple Agile Earth Observation Satellites. IEEE Transactions on Evolutionary Computation, 2020, 24, 679-693.	10.0	40
116	A Generic Markov Decision Process Model and Reinforcement Learning Method for Scheduling Agile Earth Observation Satellites. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1463-1474.	9.3	40
117	Adaptive constraint differential evolution for optimal power flow. Energy, 2021, 235, 121362.	8.8	40
118	A multi-objective hot-rolling scheduling problem in the compact strip production. Applied Mathematical Modelling, 2019, 73, 327-348.	4.2	39
119	Feature selection based on meta-heuristics for biomedicine. Optimization Methods and Software, 2014, 29, 703-719.	2.4	38
120	Application of an effective modified gravitational search algorithm for the coordinated scheduling problem in a two-stage supply chain. International Journal of Advanced Manufacturing Technology, 2014, 70, 335-348.	3.0	38
121	A bi-population EDA for solving the no-idle permutation flow-shop scheduling problem with the total tardiness criterion. Knowledge-Based Systems, 2015, 74, 167-175.	7.1	38
122	A cooperative memetic algorithm with feedback for the energy-aware distributed flow-shops with flexible assembly scheduling. Computers and Industrial Engineering, 2022, 168, 108126.	6.3	38
123	An effective hybrid genetic algorithm with flexible allowance technique for constrained engineering design optimization. Expert Systems With Applications, 2012, 39, 6041-6051.	7.6	36
124	A modified teachingâ€“learning-based optimisation algorithm for bi-objective re-entrant hybrid flowshop scheduling. International Journal of Production Research, 2016, 54, 3622-3639.	7.5	36
125	Fuzzy neighborhood-based differential evolution with orientation for nonlinear equation systems. Knowledge-Based Systems, 2019, 182, 104796.	7.1	36
126	Hierarchy Ranking Method for Multimodal Multiobjective Optimization With Local Pareto Fronts. IEEE Transactions on Evolutionary Computation, 2023, 27, 98-110.	10.0	36

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127	Fast and accurate parameter extraction for different types of fuel cells with decomposition and nature-inspired optimization method. Energy Conversion and Management, 2018, 174, 913-921.	9.2	34
128	An evolutionary fuzzy scheduler for multi-objective resource allocation in fog computing. Future Generation Computer Systems, 2021, 117, 498-509.	7.5	34
129	Fixed-Structure H_{infty} Controller Synthesis Based on Differential Evolution With Level Comparison. IEEE Transactions on Evolutionary Computation, 2011, 15, 120-129.	10.0	33
130	A multi-model estimation of distribution algorithm for energy efficient scheduling under cloud computing system. Journal of Parallel and Distributed Computing, 2018, 117, 63-72.	4.1	32
131	An effective multi-objective evolutionary algorithm for solving the AGV scheduling problem with pickup and delivery. Knowledge-Based Systems, 2021, 218, 106881.	7.1	32
132	A Bi-Population Evolutionary Algorithm With Feedback for Energy-Efficient Fuzzy Flexible Job Shop Scheduling. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5295-5307.	9.3	32
133	A modified evolutionary programming for flow shop scheduling. International Journal of Advanced Manufacturing Technology, 2003, 22, 522-527.	3.0	30
134	An adaptive genetic algorithm with multiple operators for flowshop scheduling. International Journal of Advanced Manufacturing Technology, 2006, 27, 580-587.	3.0	30
135	Effects of polymer network on electrically induced reflection band broadening of cholesteric liquid crystals. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 835-846.	2.1	30
136	An optimal block knowledge driven backtracking search algorithm for distributed assembly No-wait flow shop scheduling problem. Applied Soft Computing Journal, 2021, 112, 107750.	7.2	30
137	A reinforcement learning brain storm optimization algorithm (BSO) with learning mechanism. Knowledge-Based Systems, 2022, 235, 107645.	7.1	30
138	Parameter analysis based on stochastic model for differential evolution algorithm. Applied Mathematics and Computation, 2010, 217, 3263-3273.	2.2	29
139	A unified framework for population-based metaheuristics. Annals of Operations Research, 2011, 186, 231-262.	4.1	29
140	Preference-inspired coevolutionary algorithm with active diversity strategy for multi-objective multi-modal optimization. Information Sciences, 2021, 546, 1148-1165.	6.9	29
141	A simple two-stage evolutionary algorithm for constrained multi-objective optimization. Knowledge-Based Systems, 2021, 228, 107263.	7.1	29
142	Large-scale medical examination scheduling technology based on intelligent optimization. Journal of Combinatorial Optimization, 2019, 37, 385-404.	1.3	28
143	Multiobjective Differential Evolution Algorithm for Solving Robotic Cell Scheduling Problem With Batch-Processing Machines. IEEE Transactions on Automation Science and Engineering, 2021, 18, 757-775.	5.2	28
144	An effective water wave optimization algorithm with problem-specific knowledge for the distributed assembly blocking flow-shop scheduling problem. Knowledge-Based Systems, 2022, 243, 108471.	7.1	28

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145	Solving randomized time-varying knapsack problems by a novel global firefly algorithm. Engineering With Computers, 2018, 34, 621-635.	6.1	27
146	Data-Driven Heuristic Assisted Memetic Algorithm for Efficient Inter-Satellite Link Scheduling in the BeiDou Navigation Satellite System. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 1800-1816.	13.1	27
147	Hybrid Evolutionary Scheduling for Energy-Efficient Fog-Enhanced Internet of Things. IEEE Transactions on Cloud Computing, 2021, 9, 641-653.	4.4	26
148	Deep Reinforcement Learning for Combinatorial Optimization: Covering Salesman Problems. IEEE Transactions on Cybernetics, 2022, 52, 13142-13155.	9.5	26
149	A two-stage evolutionary algorithm based on three indicators for constrained multi-objective optimization. Expert Systems With Applications, 2022, 195, 116499.	7.6	26
150	A tri-population based co-evolutionary framework for constrained multi-objective optimization problems. Swarm and Evolutionary Computation, 2022, 70, 101055.	8.1	26
151	Stochastic optimization using simulated annealing with hypothesis test. Applied Mathematics and Computation, 2006, 174, 1329-1342.	2.2	25
152	A Voting-Mechanism-Based Ensemble Framework for Constraint Handling Techniques. IEEE Transactions on Evolutionary Computation, 2022, 26, 646-660.	10.0	25
153	Designing Neural Networks Using Hybrid Particle Swarm Optimization. Lecture Notes in Computer Science, 2005, , 391-397.	1.3	24
154	Decoding methods for the flow shop scheduling with peak power consumption constraints. International Journal of Production Research, 2019, 57, 3200-3218.	7.5	24
155	An XGBoost-enhanced fast constructive algorithm for food delivery route planning problem. Computers and Industrial Engineering, 2021, 152, 107029.	6.3	24
156	A novel group search optimizer for multi-objective optimization. Expert Systems With Applications, 2012, 39, 2939-2946.	7.6	23
157	Deep Reinforcement Learning Based Optimization Algorithm for Permutation Flow-Shop Scheduling. IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, 7, 983-994.	4.9	23
158	A Two-Stage Evolutionary Algorithm With Balanced Convergence and Diversity for Many-Objective Optimization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6222-6234.	9.3	23
159	Efficient multiobjective optimization for an AGV energy-efficient scheduling problem with release time. Knowledge-Based Systems, 2022, 242, 108334.	7.1	23
160	Directing orbits of chaotic systems using a hybrid optimization strategy. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 324, 22-25.	2.1	22
161	A Pareto-Archived Estimation-of-Distribution Algorithm for Multiobjective Resource-Constrained Project Scheduling Problem. IEEE Transactions on Engineering Management, 2013, 60, 617-626.	3.5	22
162	An improved adaptive human learning algorithm for engineering optimization. Applied Soft Computing Journal, 2018, 71, 894-904.	7.2	22

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163	Clonal selection based intelligent parameter inversion algorithm for prestack seismic data. Information Sciences, 2020, 517, 86-99.	6.9	21
164	Multi-objective based scheduling algorithm for sudden drinking water contamination incident. Swarm and Evolutionary Computation, 2020, 55, 100674.	8.1	21
165	Multi-objective no-wait flow-shop scheduling with a memetic algorithm based on differential evolution. Soft Computing, 2009, 13, 847-869.	3.6	20
166	A hybrid dynamic harmony search algorithm for identical parallel machines scheduling. Engineering Optimization, 2012, 44, 209-224.	2.6	20
167	Refinery Production Scheduling Involving Operational Transitions of Mode Switching under Predictive Control System. Industrial & Engineering Chemistry Research, 2014, 53, 8155-8170.	3.7	20
168	An order-based estimation of distribution algorithm for stochastic hybrid flow-shop scheduling problem. International Journal of Computer Integrated Manufacturing, 2015, 28, 307-320.	4.6	20
169	A diverse human learning optimization algorithm. Journal of Global Optimization, 2017, 67, 283-323.	1.8	20
170	Discrete harmony search algorithm for scheduling and rescheduling the reprocessing problems in remanufacturing: a case study. Engineering Optimization, 2018, 50, 965-981.	2.6	20
171	A collaborative LSHADE algorithm with comprehensive learning mechanism. Applied Soft Computing Journal, 2020, 96, 106609.	7.2	20
172	A matrix cube-based estimation of distribution algorithm for the energy-efficient distributed assembly permutation flow-shop scheduling problem. Expert Systems With Applications, 2022, 194, 116484.	7.6	20
173	A reinforcement learning-driven brain storm optimisation algorithm for multi-objective energy-efficient distributed assembly no-wait flow shop scheduling problem. International Journal of Production Research, 2023, 61, 2854-2872.	7.5	20
174	Comprehensive learning pigeon-inspired optimization with tabu list. Science China Information Sciences, 2019, 62, 1.	4.3	19
175	A decomposition-based differential evolution with reinitialization for nonlinear equations systems. Knowledge-Based Systems, 2020, 191, 105312.	7.1	19
176	A clustering-based differential evolution with different crowding factors for nonlinear equations system. Applied Soft Computing Journal, 2021, 98, 106733.	7.2	19
177	An effective teachingâ€“learning-based optimisation algorithm for RCPSP with ordinal interval numbers. International Journal of Production Research, 2015, 53, 1777-1790.	7.5	18
178	A hybrid estimation of distribution algorithm for the semiconductor final testing scheduling problem. Journal of Intelligent Manufacturing, 2015, 26, 861-871.	7.3	18
179	An improved Q-learning based rescheduling method for flexible job-shops with machine failures. , 2019, , .		18
180	A Two-Phase Coordinated Planning Approach for Heterogeneous Earth-Observation Resources to Monitor Area Targets. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6388-6403.	9.3	18

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