

Ling Wang

List of Publications by Citations

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295
papers

10,655
citations

57
h-index

94
g-index

322
ext. papers

13,096
ext. citations

5.7
avg, IF

7.24
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 295 | An effective co-evolutionary particle swarm optimization for constrained engineering design problems. <i>Engineering Applications of Artificial Intelligence</i> , 2007 , 20, 89-99 | 7.2 | 698 |
| 294 | Improved particle swarm optimization combined with chaos. <i>Chaos, Solitons and Fractals</i> , 2005 , 25, 1261-1271 | 4.3 | 608 |
| 293 | An effective co-evolutionary differential evolution for constrained optimization. <i>Applied Mathematics and Computation</i> , 2007 , 186, 340-356 | 2.7 | 357 |
| 292 | An effective PSO-based memetic algorithm for flow shop scheduling. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2007 , 37, 18-27 | | 335 |
| 291 | A hybrid particle swarm optimization with a feasibility-based rule for constrained optimization. <i>Applied Mathematics and Computation</i> , 2007 , 186, 1407-1422 | 2.7 | 320 |
| 290 | An effective hybrid optimization strategy for job-shop scheduling problems. <i>Computers and Operations Research</i> , 2001 , 28, 585-596 | 4.6 | 185 |
| 289 | A novel hybrid discrete differential evolution algorithm for blocking flow shop scheduling problems. <i>Computers and Operations Research</i> , 2010 , 37, 509-520 | 4.6 | 182 |
| 288 | A novel binary fruit fly optimization algorithm for solving the multidimensional knapsack problem. <i>Knowledge-Based Systems</i> , 2013 , 48, 17-23 | 7.3 | 148 |
| 287 | 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 | 9.3 | 146 |
| 286 | A hybrid quantum-inspired genetic algorithm for multiobjective flow shop scheduling. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2007 , 37, 576-91 | | 142 |
| 285 | A novel discrete artificial bee colony algorithm for the hybrid flowshop scheduling problem with makespan minimisation. <i>Omega</i> , 2014 , 45, 42-56 | 7.2 | 137 |
| 284 | A novel differential evolution algorithm for bi-criteria no-wait flow shop scheduling problems. <i>Computers and Operations Research</i> , 2009 , 36, 2498-2511 | 4.6 | 134 |
| 283 | Parameter extraction of photovoltaic models using an improved teaching-learning-based optimization. <i>Energy Conversion and Management</i> , 2019 , 186, 293-305 | 10.6 | 133 |
| 282 | An effective differential evolution with level comparison for constrained engineering design. <i>Structural and Multidisciplinary Optimization</i> , 2010 , 41, 947-963 | 3.6 | 128 |
| 281 | 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 | 4.9 | 125 |
| 280 | Parameter estimation for chaotic systems by particle swarm optimization. <i>Chaos, Solitons and Fractals</i> , 2007 , 34, 654-661 | 9.3 | 124 |
| 279 | Effective heuristics and metaheuristics to minimize total flowtime for the distributed permutation flowshop problem. <i>Expert Systems With Applications</i> , 2019 , 124, 309-324 | 7.8 | 123 |

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| 278 | 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 | 3.2 | 122 |
| 277 | An effective shuffled frog-leaping algorithm for resource-constrained project scheduling problem. <i>Computers and Operations Research</i> , 2012 , 39, 890-901 | 4.6 | 119 |
| 276 | 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 | 7.3 | 118 |
| 275 | A competitive memetic algorithm for multi-objective distributed permutation flow shop scheduling problem. <i>Swarm and Evolutionary Computation</i> , 2017 , 32, 121-131 | 9.8 | 114 |
| 274 | 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 | 5.4 | 112 |
| 273 | 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 | 7.8 | 107 |
| 272 | A novel fruit fly optimization algorithm for the semiconductor final testing scheduling problem. <i>Knowledge-Based Systems</i> , 2014 , 57, 95-103 | 7.3 | 105 |
| 271 | 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 | 4.6 | 103 |
| 270 | A hybrid differential evolution method for permutation flow-shop scheduling. <i>International Journal of Advanced Manufacturing Technology</i> , 2008 , 38, 757-777 | 3.2 | 100 |
| 269 | Behavior of crossover operators in NSGA-III for large-scale optimization problems. <i>Information Sciences</i> , 2020 , 509, 470-487 | 7.7 | 93 |
| 268 | 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 | 15.6 | 92 |
| 267 | Particle swarm optimization for function optimization in noisy environment. <i>Applied Mathematics and Computation</i> , 2006 , 181, 908-919 | 2.7 | 88 |
| 266 | 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 | | 87 |
| 265 | An effective hybrid particle swarm optimization for no-wait flow shop scheduling. <i>International Journal of Advanced Manufacturing Technology</i> , 2007 , 31, 1001-1011 | 3.2 | 85 |
| 264 | An effective hybrid immune algorithm for solving the distributed permutation flow-shop scheduling problem. <i>Engineering Optimization</i> , 2014 , 46, 1269-1283 | 2 | 84 |
| 263 | 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 | 6.4 | 84 |
| 262 | 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 | 4.6 | 82 |
| 261 | 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 | 10.2 | 81 |

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|-----|--|------|----|
| 260 | Effective heuristics for the blocking flowshop scheduling problem with makespan minimization. <i>Omega</i> , 2012 , 40, 218-229 | 7.2 | 80 |
| 259 | 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 | 3.2 | 79 |
| 258 | 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 | 9.8 | 77 |
| 257 | An effective hybrid biogeography-based optimization algorithm for parameter estimation of chaotic systems. <i>Expert Systems With Applications</i> , 2011 , 38, 15103-15109 | 7.8 | 77 |
| 256 | Parameter estimation of photovoltaic models with memetic adaptive differential evolution. <i>Solar Energy</i> , 2019 , 190, 465-474 | 6.8 | 76 |
| 255 | Hybrid genetic algorithm based on quantum computing for numerical optimization and parameter estimation. <i>Applied Mathematics and Computation</i> , 2005 , 171, 1141-1156 | 2.7 | 75 |
| 254 | A hybrid genetic algorithm neural network strategy for simulation optimization. <i>Applied Mathematics and Computation</i> , 2005 , 170, 1329-1343 | 2.7 | 74 |
| 253 | 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 | 3.2 | 73 |
| 252 | An effective shuffled frog-leaping algorithm for multi-mode resource-constrained project scheduling problem. <i>Information Sciences</i> , 2011 , 181, 4804-4822 | 7.7 | 73 |
| 251 | 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 | 7.3 | 72 |
| 250 | An ensemble discrete differential evolution for the distributed blocking flowshop scheduling with minimizing makespan criterion. <i>Expert Systems With Applications</i> , 2020 , 160, 113678 | 7.8 | 71 |
| 249 | 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 | 7.8 | 65 |
| 248 | 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 | 3.2 | 65 |
| 247 | A review of energy-efficient scheduling in intelligent production systems. <i>Complex & Intelligent Systems</i> , 2020 , 6, 237-249 | 7.1 | 63 |
| 246 | Polymer-stabilized nanoparticle-enriched blue phase liquid crystals. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 6526 | 7.1 | 62 |
| 245 | 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 | 7.8 | 62 |
| 244 | 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 | 10.2 | 62 |
| 243 | 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 | 3.2 | 60 |

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| 242 | 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 | 7.3 | 60 |
| 241 | 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 | 7.8 | 59 |
| 240 | A coevolutionary differential evolution with harmony search for reliability-redundancy optimization. <i>Expert Systems With Applications</i> , 2012 , 39, 5271-5278 | 7.8 | 59 |
| 239 | Differential evolution algorithm-based parameter estimation for chaotic systems. <i>Chaos, Solitons and Fractals</i> , 2009 , 39, 2110-2118 | 9.3 | 59 |
| 238 | A hybrid estimation of distribution algorithm for solving the resource-constrained project scheduling problem. <i>Expert Systems With Applications</i> , 2012 , 39, 2451-2460 | 7.8 | 55 |
| 237 | 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 | 7.8 | 54 |
| 236 | 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 | 4.9 | 54 |
| 235 | 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 | 3.2 | 53 |
| 234 | 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 | 3.2 | 53 |
| 233 | An efficient multi-objective model and algorithm for sizing a stand-alone hybrid renewable energy system. <i>Energy</i> , 2017 , 141, 2288-2299 | 7.9 | 52 |
| 232 | An effective hybrid EDA-based algorithm for solving multidimensional knapsack problem. <i>Expert Systems With Applications</i> , 2012 , 39, 5593-5599 | 7.8 | 50 |
| 231 | A memetic algorithm with competition for the capacitated green vehicle routing problem. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2019 , 6, 516-526 | 7 | 49 |
| 230 | 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 | 7.8 | 49 |
| 229 | 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 | 7.8 | 49 |
| 228 | An effective hybrid PSOSA strategy for optimization and its application to parameter estimation. <i>Applied Mathematics and Computation</i> , 2006 , 179, 135-146 | 2.7 | 49 |
| 227 | 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 | 7.3 | 48 |
| 226 | A collaborative optimization algorithm for energy-efficient multi-objective distributed no-idle flow-shop scheduling. <i>Swarm and Evolutionary Computation</i> , 2019 , 50, 100557 | 9.8 | 47 |
| 225 | Directing orbits of chaotic systems by particle swarm optimization. <i>Chaos, Solitons and Fractals</i> , 2006 , 29, 454-461 | 9.3 | 47 |

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| 224 | Multi-clustering via evolutionary multi-objective optimization. <i>Information Sciences</i> , 2018 , 450, 128-140 | 7.7 | 46 |
| 223 | Optimal power flow by means of improved adaptive differential evolution. <i>Energy</i> , 2020 , 198, 117314 | 7.9 | 45 |
| 222 | Opposition-based learning monarch butterfly optimization with Gaussian perturbation for large-scale 0-1 knapsack problem. <i>Computers and Electrical Engineering</i> , 2018 , 67, 454-468 | 4.3 | 45 |
| 221 | Control and synchronization of chaotic systems by differential evolution algorithm. <i>Chaos, Solitons and Fractals</i> , 2007 , 34, 412-419 | 9.3 | 45 |
| 220 | 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 | 10.2 | 45 |
| 219 | Teaching-learning-based optimization algorithm for multi-skill resource constrained project scheduling problem. <i>Soft Computing</i> , 2017 , 21, 1537-1548 | 3.5 | 44 |
| 218 | A hybrid estimation of distribution algorithm for unrelated parallel machine scheduling with sequence-dependent setup times. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2016 , 3, 235-246 | 7 | 43 |
| 217 | Parameter identification of chaotic systems by hybrid Nelder-Mead simplex search and differential evolution algorithm. <i>Expert Systems With Applications</i> , 2011 , 38, 3238-3245 | 7.8 | 42 |
| 216 | 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 | 7.8 | 42 |
| 215 | A human learning optimization algorithm and its application to multi-dimensional knapsack problems. <i>Applied Soft Computing Journal</i> , 2015 , 34, 736-743 | 7.5 | 41 |
| 214 | An estimation of distribution algorithm and new computational results for the stochastic resource-constrained project scheduling problem. <i>Flexible Services and Manufacturing Journal</i> , 2015 , 27, 585-605 | 1.8 | 39 |
| 213 | A cooperative coevolution algorithm for multi-objective fuzzy distributed hybrid flow shop. <i>Knowledge-Based Systems</i> , 2020 , 194, 105536 | 7.3 | 39 |
| 212 | Solving the blocking flow shop scheduling problem by a dynamic multi-swarm particle swarm optimizer. <i>International Journal of Advanced Manufacturing Technology</i> , 2011 , 55, 755-762 | 3.2 | 39 |
| 211 | 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 | 10.2 | 39 |
| 210 | Siting and sizing of fast charging stations in highway network with budget constraint. <i>Applied Energy</i> , 2018 , 228, 1255-1271 | 10.7 | 38 |
| 209 | A distributed permutation flowshop scheduling problem with the customer order constraint. <i>Knowledge-Based Systems</i> , 2019 , 184, 104894 | 7.3 | 37 |
| 208 | Hyperplane Assisted Evolutionary Algorithm for Many-Objective Optimization Problems. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 3367-3380 | 10.2 | 36 |
| 207 | An effective hybrid quantum-inspired evolutionary algorithm for parameter estimation of chaotic systems. <i>Expert Systems With Applications</i> , 2010 , 37, 1279-1285 | 7.8 | 35 |

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| 206 | 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 | 3.2 | 34 |
| 205 | An effective hybrid genetic algorithm with flexible allowance technique for constrained engineering design optimization. <i>Expert Systems With Applications</i> , 2012 , 39, 6041-6051 | 7.8 | 34 |
| 204 | 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 | 10.6 | 34 |
| 203 | Optical intensity-driven reversible photonic bandgaps in self-organized helical superstructures with handedness inversion. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 3678-3683 | 7.1 | 33 |
| 202 | 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 | 7.3 | 33 |
| 201 | Satellite observation scheduling with a novel adaptive simulated annealing algorithm and a dynamic task clustering strategy. <i>Computers and Industrial Engineering</i> , 2017 , 113, 576-588 | 6.4 | 32 |
| 200 | Comparative study on parameter extraction of photovoltaic models via differential evolution. <i>Energy Conversion and Management</i> , 2019 , 201, 112113 | 10.6 | 31 |
| 199 | . <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 1590-1601 | 7.3 | 31 |
| 198 | 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 | 9.3 | 30 |
| 197 | Multi-objective optimal design of hybrid renewable energy system under multiple scenarios. <i>Renewable Energy</i> , 2020 , 151, 226-237 | 8.1 | 30 |
| 196 | A Multimodel Prediction Method for Dynamic Multiobjective Evolutionary Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 290-304 | 15.6 | 30 |
| 195 | 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 | 3.2 | 29 |
| 194 | A multi-objective hot-rolling scheduling problem in the compact strip production. <i>Applied Mathematical Modelling</i> , 2019 , 73, 327-348 | 4.5 | 28 |
| 193 | Fixed-Structure H_{∞} Controller Synthesis Based on Differential Evolution With Level Comparison. <i>IEEE Transactions on Evolutionary Computation</i> , 2011 , 15, 120-129 | 15.6 | 28 |
| 192 | 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 | 7.8 | 28 |
| 191 | Solving energy-efficient distributed job shop scheduling via multi-objective evolutionary algorithm with decomposition. <i>Swarm and Evolutionary Computation</i> , 2020 , 58, 100745 | 9.8 | 27 |
| 190 | Modified NSGA-III for sensor placement in water distribution system. <i>Information Sciences</i> , 2020 , 509, 488-500 | 7.7 | 27 |
| 189 | Distributed scheduling problems in intelligent manufacturing systems. <i>Tsinghua Science and Technology</i> , 2021 , 26, 625-645 | 3.4 | 27 |

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|-----|---|------|----|
| 188 | Feature selection based on meta-heuristics for biomedicine. <i>Optimization Methods and Software</i> , 2014 , 29, 703-719 | 1.3 | 26 |
| 187 | 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> , 2021 , PP, | 10.2 | 26 |
| 186 | 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 | 9.8 | 25 |
| 185 | A modified evolutionary programming for flow shop scheduling. <i>International Journal of Advanced Manufacturing Technology</i> , 2003 , 22, 522-527 | 3.2 | 25 |
| 184 | Nonlinear Equations Solving with Intelligent Optimization Algorithms: A Survey. <i>Complex System Modeling and Simulation</i> , 2021 , 1, 15-32 | | 25 |
| 183 | A unified framework for population-based metaheuristics. <i>Annals of Operations Research</i> , 2011 , 186, 231-262 | 3.2 | 24 |
| 182 | An adaptive genetic algorithm with multiple operators for flowshop scheduling. <i>International Journal of Advanced Manufacturing Technology</i> , 2006 , 27, 580-587 | 3.2 | 24 |
| 181 | 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 | 10.6 | 24 |
| 180 | Solving randomized time-varying knapsack problems by a novel global firefly algorithm. <i>Engineering With Computers</i> , 2018 , 34, 621-635 | 4.5 | 23 |
| 179 | Parameter analysis based on stochastic model for differential evolution algorithm. <i>Applied Mathematics and Computation</i> , 2010 , 217, 3263-3273 | 2.7 | 23 |
| 178 | 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 | 4.4 | 22 |
| 177 | Stochastic optimization using simulated annealing with hypothesis test. <i>Applied Mathematics and Computation</i> , 2006 , 174, 1329-1342 | 2.7 | 22 |
| 176 | A Hybrid Quantum-Inspired Genetic Algorithm for Flow Shop Scheduling. <i>Lecture Notes in Computer Science</i> , 2005 , 636-644 | 0.9 | 22 |
| 175 | A novel group search optimizer for multi-objective optimization. <i>Expert Systems With Applications</i> , 2012 , 39, 2939-2946 | 7.8 | 21 |
| 174 | A Data-Driven Parallel Scheduling Approach for Multiple Agile Earth Observation Satellites. <i>IEEE Transactions on Evolutionary Computation</i> , 2020 , 24, 679-693 | 15.6 | 21 |
| 173 | Fuzzy neighborhood-based differential evolution with orientation for nonlinear equation systems. <i>Knowledge-Based Systems</i> , 2019 , 182, 104796 | 7.3 | 20 |
| 172 | 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 | 2.3 | 20 |
| 171 | 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 | 2.6 | 18 |

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| 170 | Multi-objective no-wait flow-shop scheduling with a memetic algorithm based on differential evolution. <i>Soft Computing</i> , 2009 , 13, 847-869 | 3.5 | 18 |
| 169 | Designing Neural Networks Using Hybrid Particle Swarm Optimization. <i>Lecture Notes in Computer Science</i> , 2005 , 391-397 | 0.9 | 18 |
| 168 | Large-scale medical examination scheduling technology based on intelligent optimization. <i>Journal of Combinatorial Optimization</i> , 2019 , 37, 385-404 | 0.9 | 18 |
| 167 | An effective teaching-learning-based optimisation algorithm for RCPSp with ordinal interval numbers. <i>International Journal of Production Research</i> , 2015 , 53, 1777-1790 | 7.8 | 17 |
| 166 | Multi-objective based scheduling algorithm for sudden drinking water contamination incident. <i>Swarm and Evolutionary Computation</i> , 2020 , 55, 100674 | 9.8 | 17 |
| 165 | A Pareto-Archived Estimation-of-Distribution Algorithm for Multiobjective Resource-Constrained Project Scheduling Problem. <i>IEEE Transactions on Engineering Management</i> , 2013 , 60, 617-626 | 2.6 | 17 |
| 164 | A hybrid dynamic harmony search algorithm for identical parallel machines scheduling. <i>Engineering Optimization</i> , 2012 , 44, 209-224 | 2 | 17 |
| 163 | Chaotic annealing with hypothesis test for function optimization in noisy environments. <i>Chaos, Solitons and Fractals</i> , 2008 , 35, 888-894 | 9.3 | 17 |
| 162 | Decoding methods for the flow shop scheduling with peak power consumption constraints. <i>International Journal of Production Research</i> , 2019 , 57, 3200-3218 | 7.8 | 17 |
| 161 | Refinery Production Scheduling Involving Operational Transitions of Mode Switching under Predictive Control System. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 8155-8170 | 3.9 | 16 |
| 160 | A Review of Reinforcement Learning Based Intelligent Optimization for Manufacturing Scheduling. <i>Complex System Modeling and Simulation</i> , 2021 , 1, 257-270 | | 16 |
| 159 | An improved adaptive human learning algorithm for engineering optimization. <i>Applied Soft Computing Journal</i> , 2018 , 71, 894-904 | 7.5 | 15 |
| 158 | An order-based estimation of distribution algorithm for stochastic hybrid flow-shop scheduling problem. <i>International Journal of Computer Integrated Manufacturing</i> , 2015 , 28, 307-320 | 4.3 | 15 |
| 157 | A diverse human learning optimization algorithm. <i>Journal of Global Optimization</i> , 2017 , 67, 283-323 | 1.5 | 14 |
| 156 | Comprehensive learning pigeon-inspired optimization with tabu list. <i>Science China Information Sciences</i> , 2019 , 62, 1 | 3.4 | 14 |
| 155 | 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 | 7.3 | 14 |
| 154 | An effective shuffled frog-leaping algorithm for hybrid flow-shop scheduling with multiprocessor tasks. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 68, 1529-1537 | 3.2 | 14 |
| 153 | Center Based Genetic Algorithm and its application to the stiffness equivalence of the aircraft wing. <i>Expert Systems With Applications</i> , 2011 , 38, 6254-6261 | 7.8 | 14 |

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| 152 | A matrix-cube-based estimation of distribution algorithm for the distributed assembly permutation flow-shop scheduling problem. <i>Swarm and Evolutionary Computation</i> , 2021 , 60, 100785 | 9.8 | 14 |
| 151 | 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 | 3.4 | 14 |
| 150 | A hybrid estimation of distribution algorithm for the semiconductor final testing scheduling problem. <i>Journal of Intelligent Manufacturing</i> , 2015 , 26, 861-871 | 6.7 | 13 |
| 149 | Solving system-level synthesis problem by a multi-objective estimation of distribution algorithm. <i>Expert Systems With Applications</i> , 2014 , 41, 2496-2513 | 7.8 | 13 |
| 148 | A Knowledge-Based Two-Population Optimization Algorithm for Distributed Energy-Efficient Parallel Machines Scheduling. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP, | 10.2 | 12 |
| 147 | Clonal selection based intelligent parameter inversion algorithm for prestack seismic data. <i>Information Sciences</i> , 2020 , 517, 86-99 | 7.7 | 12 |
| 146 | Preference-inspired coevolutionary algorithm with active diversity strategy for multi-objective multi-modal optimization. <i>Information Sciences</i> , 2021 , 546, 1148-1165 | 7.7 | 12 |
| 145 | Discrete harmony search algorithm for scheduling and rescheduling the reprocessing problems in remanufacturing: a case study. <i>Engineering Optimization</i> , 2018 , 50, 965-981 | 2 | 12 |
| 144 | A novel decoding method for the hybrid flow-shop scheduling problem with multiprocessor tasks. <i>International Journal of Advanced Manufacturing Technology</i> , 2012 , 59, 1113-1125 | 3.2 | 11 |
| 143 | A decomposition-based differential evolution with reinitialization for nonlinear equations systems. <i>Knowledge-Based Systems</i> , 2020 , 191, 105312 | 7.3 | 11 |
| 142 | A Bi-Population Cooperative Memetic Algorithm for Distributed Hybrid Flow-Shop Scheduling. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020 , 1-15 | 4.1 | 11 |
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