CITATION REPORT List of articles citing



DOI: 10.1016/0305-0548(93)e0014-k Computers and Operations Research, 1995, 22, 5-13.

Source: https://exaly.com/paper-pdf/25872812/citation-report.pdf

Version: 2024-04-10

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

| # | Paper | IF | Citations |
|-----|--|----------------|-----------|
| 641 | Co-evolution of operator settings in genetic algorithms. <i>Lecture Notes in Computer Science</i> , 1996 , 286-2 | 2 96 .9 | 2 |
| 640 | Hybrid genetic algorithms for bin-packing and related problems. 1996 , 63, 371-396 | | 63 |
| 639 | Metaheuristics: A bibliography. 1996 , 63, 511-623 | | 301 |
| 638 | A genetic algorithm for multi-mode resource constrained project scheduling problem. 1997 , 100, 134-1 | 41 | 124 |
| 637 | Heuristics for operator allocation and sequencing in product-line-cells with manually operated machines. <i>Computers and Industrial Engineering</i> , 1997 , 32, 265-279 | 6.4 | 7 |
| 636 | A Bibliography of Genetic Algorithm Business Application Research: 1988 une 1996. 1998 , 15, 75-82 | | 11 |
| 635 | RTSS: An interactive decision support system for solving real time scheduling problems considering customer and job priorities with schedule interruptions. <i>Computers and Operations Research</i> , 1998 , 25, 981-995 | 4.6 | 12 |
| 634 | New bounds for optimum traffic assignment in satellite communication. <i>Computers and Operations Research</i> , 1998 , 25, 729-743 | 4.6 | 3 |
| 633 | Some results of the worst-case analysis for flow shop scheduling. 1998 , 109, 66-87 | | 39 |
| 632 | The use of genetic algorithms to solve the economic lot size scheduling problem. 1998 , 110, 509-524 | | 101 |
| 631 | Genetic algorithms, path relinking, and the flowshop sequencing problem. 1998 , 6, 45-60 | | 178 |
| 630 | A Review of Machine Scheduling: Complexity, Algorithms and Approximability. 1998 , 1493-1641 | | 73 |
| 629 | A computational study on design and performance issues of multi-agent intelligent systems for dynamic scheduling environments. 1999 , 16, 121-133 | | 21 |
| 628 | Scheduling flowshops with finite buffers and sequence-dependent setup times. <i>Computers and Industrial Engineering</i> , 1999 , 36, 163-177 | 6.4 | 42 |
| 627 | A modified genetic algorithm for single machine scheduling. <i>Computers and Industrial Engineering</i> , 1999 , 37, 43-46 | 6.4 | 30 |
| 626 | Formulating and solving production planning problems. 1999 , 112, 54-80 | | 6 |
| 625 | Evolutionary algorithms for flowshop sequencing with non-unique jobs. 2000 , 7, 401-418 | | 16 |

(2002-2000)

| 624 | Programaß da produß em sistemas flow shop utilizando um m£odo heur&tico hBrido algoritmo gen£ico-simulated annealing. 2000 , 7, 364-377 | 2 |
|-----|--|--------------|
| 623 | Hybrid flow shop scheduling using genetic algorithms. | |
| 622 | A method for solving large-scale flowshop problems by reducing search space of genetic algorithms. | 2 |
| 621 | Recent developments in evolutionary computation for manufacturing optimization: problems, solutions, and comparisons. 2000 , 4, 93-113 | 178 |
| 620 | Precast production scheduling with genetic algorithms. | 1 |
| 619 | Multiple-Machine Lower Bounds for Shop-Scheduling Problems. 2000 , 12, 341-352 | 9 |
| 618 | Optimal Repetitive Scheduling Model with Shareable Resource Constraint. 2001, 127, 270-280 | 53 |
| 617 | Genetic algorithms for communications network design - an empirical study of the factors that influence performance. 2001 , 5, 236-249 | 68 |
| 616 | Genetic algorithms for the flow shop scheduling problem with availability constraints. | 4 |
| 615 | A heuristic genetic algorithm for flowshop scheduling. 2001 , | 2 |
| 614 | Monte Carlo simulation and genetic algorithm for optimising supply chain management in a stochastic environment. | 6 |
| 613 | A GA-BASED MODEL FOR MAXIMIZING PRECAST PLANT PRODUCTION UNDER RESOURCE CONSTRAINTS. 2001 , 33, 619-642 | 8 |
| 612 | DYNAMIC INTEGRATED PROCESS PLANNING AND SCHEDULING. 2001 , 18, 21-32 | 1 |
| 611 | Algorithmical approaches to business process design. <i>Computers and Operations Research</i> , 2001 , 28, 125 <u>3</u> -62 | 75 68 |
| 610 | CF-GGA: A grouping genetic algorithm for the cell formation problem. 2001 , 39, 3651-3669 | 70 |
| 609 | Order-based genetic algorithm for flow shop scheduling. | 3 |
| 608 | Contrasting Structured and Random Permutation Flow-Shop Scheduling Problems: Search-Space Topology and Algorithm Performance. 2002 , 14, 98-123 | 77 |
| | | |

| 606 | Solving the Flow Shop Problem by Parallel Simulated Annealing. <i>Lecture Notes in Computer Science</i> , 2002 , 236-244 | 0.9 | 14 |
|-----|--|-----|-----|
| 605 | An application of genetic algorithms to lot-streaming flow shop scheduling. 2002 , 34, 779-787 | | 54 |
| 604 | An Introduction to Evolutionary Algorithms. 2002 , 3-25 | | |
| 603 | STUDS MATING IMMIGRANTS IN EVOLUTIONARY ALGORITHM TO SOLVE THE EARLINESS-TARDINESS SCHEDULING PROBLEM. 2002 , 33, 391-400 | | 5 |
| 602 | Solving the flow shop problem by parallel tabu search. | | 4 |
| 601 | Genetic Algorithms P rinciples and Perspectives. 2002 , | | 182 |
| 600 | A genetic algorithm on multiple sequences alignment problems in biology. 2002 , 7, 139-144 | | |
| 599 | Determining optimum Genetic Algorithm parameters for scheduling the manufacturing and assembly of complex products. 2002 , 78, 311-322 | | 93 |
| 598 | GA-based resource-constrained flow-shop scheduling model for mixed precast production. 2002 , 11, 439-452 | | 59 |
| 597 | A genetic algorithm for solving economic lot size scheduling problem. <i>Computers and Industrial Engineering</i> , 2002 , 42, 189-198 | 6.4 | 42 |
| 596 | A multi-level hybrid framework applied to the general flow-shop scheduling problem. <i>Computers and Operations Research</i> , 2002 , 29, 1873-1901 | 4.6 | 22 |
| 595 | Stochastic Optimization: a Review. 2002 , 70, 315-349 | | 97 |
| 594 | A modified evolutionary programming for flow shop scheduling. 2003 , 22, 522-527 | | 25 |
| 593 | A class of order-based genetic algorithm for flow shop scheduling. 2003 , 22, 828-835 | | 27 |
| 592 | Motion fairing using genetic algorithms. 2003 , 35, 739-749 | | 8 |
| 591 | Approximative procedures for no-wait job shop scheduling. 2003 , 31, 308-318 | | 109 |
| 590 | New heuristics for no-wait flowshops to minimize makespan. <i>Computers and Operations Research</i> , 2003 , 30, 1219-1231 | 4.6 | 126 |
| 589 | Impact of the replacement heuristic in a grouping genetic algorithm. <i>Computers and Operations Research</i> , 2003 , 30, 1575-1593 | 4.6 | 23 |

| 588 | Genetic algorithms to minimize the weighted number of late jobs on a single machine. 2003, 151, 296-306 | 65 |
|-----|--|-----|
| 587 | A branch-and-bound-based local search method for the flow shop problem. 2003 , 54, 1076-1084 | 24 |
| 586 | Handbook of Metaheuristics. 2003, | 542 |
| 585 | Optimal parameters selection for simulated annealing with limited computational effort. 2003, | |
| 584 | Fuzzy flow-shop scheduling models based on credibility measure. | 3 |
| 583 | EVOLUTIONARY ALGORITHMS FOR RESOURCE CONSTRAINED NON-SERIAL MIXED FLOW SHOPS. 2003 , 03, 411-435 | 8 |
| 582 | Genetic Algorithms. 2003, 55-82 | 91 |
| 581 | Hypothesis-test based simulated annealing for stochastic flow shop scheduling. | |
| 580 | A PROPOSITION FOR A DISTANCE MEASURE IN NEIGHBOURHOOD SEARCH FOR SCHEDULING PROBLEMS. 2004 , 21, 262-271 | 1 |
| 579 | Solving dynamic tardiness problems in single machine environments. | 1 |
| 578 | A genetic algorithm based approach to flowshop scheduling. | |
| 577 | Competitive Memetic Algorithms for Arc Routing Problems. 2004 , 131, 159-185 | 177 |
| 576 | A robust simulated annealing heuristic for flow shop scheduling problems. 2004 , 23, 762-767 | 30 |
| 575 | The effect of various operators on the genetic search for large scheduling problems. 2004 , 88, 191-203 | 66 |
| 574 | Minimizing the makespan for the flow shop scheduling problem with availability constraints. 2004 , 153, 534-543 | 106 |
| 573 | Improved genetic algorithm for the permutation flowshop scheduling problem. <i>Computers and Operations Research</i> , 2004 , 31, 593-606 | 100 |
| 572 | An ant colony system for permutation flow-shop sequencing. <i>Computers and Operations Research</i> , 2004 , 31, 791-801 | 127 |
| 571 | A neuro-tabu search heuristic for the flow shop scheduling problem. <i>Computers and Operations Assearch</i> , 2004 , 31, 2151-2164 | 31 |

| 570 | A novel metaheuristic approach for the flow shop scheduling problem. 2004 , 17, 289-300 | | 38 |
|-----|---|-----|-----|
| 569 | A genetic algorithm for flow shop scheduling problems. 2004 , 55, 830-835 | | 76 |
| 568 | A review and classification of heuristics for permutation flow-shop scheduling with makespan objective. 2004 , 55, 1243-1255 | | 185 |
| 567 | Effect of crossover operators under multirecombination: weighted tardiness, a test case. | | |
| 566 | A genetic algorithm for multilayer multiprocessor task scheduling. | | 2 |
| 565 | A heuristic for total flowtime minimization in flow shop scheduling. 2005, | | |
| 564 | A neural network to enhance local search in the permutation flowshop. <i>Computers and Industrial Engineering</i> , 2005 , 49, 182-196 | 6.4 | 17 |
| 563 | Genetic/quadratic search algorithm for plant economic optimizations using a process simulator. 2005 , 30, 285-294 | | 29 |
| 562 | Genetic algorithms for integrated preventive maintenance planning and production scheduling for a single machine. 2005 , 56, 161-168 | | 108 |
| 561 | Some local search algorithms for no-wait flow-shop problem with makespan criterion. <i>Computers and Operations Research</i> , 2005 , 32, 2197-2212 | 4.6 | 120 |
| 560 | Solving the flowshop scheduling problem with sequence dependent setup times using advanced metaheuristics. 2005 , 165, 34-54 | | 146 |
| 559 | A comprehensive review and evaluation of permutation flowshop heuristics. 2005 , 165, 479-494 | | 415 |
| 558 | A class of hypothesis-test-based genetic algorithms for flow shop scheduling with stochastic processing time. 2005 , 25, 1157-1163 | | 27 |
| 557 | Ordinal optimisation of genetic control parameters for flow shop scheduling. 2005 , 26, 1414-1420 | | 2 |
| 556 | Genetic ordinal optimisation for stochastic flow shop scheduling. 2005 , 27, 166-173 | | 10 |
| 555 | Flow-shop scheduling for three serial stations with the last two duplicate. <i>Computers and Operations Research</i> , 2005 , 32, 647-667 | 4.6 | 11 |
| 554 | A computational study of the permutation flow shop problem based on a tight lower bound. <i>Computers and Operations Research</i> , 2005 , 32, 1831-1847 | 4.6 | 37 |
| 553 | Evaluating performance advantages of grouping genetic algorithms. 2005, 18, 1-12 | | 55 |

(2006-2005)

Merging optimality conditions with genetic algorithm operators to solve single machine total 552 weighted tardiness problem. 2005, 14, 187-206 A Genetic Algorithm for Hybrid Flow-shop Scheduling with Multiprocessor Tasks. 2005, 8, 323-351 551 134 New Heuristics to Minimize the Mean Flow Time for Static Permutation Flowshop Problems. 2005, 550 18,83-98 Are Ordinal Representations Effective?. 2004, 201-213 549 Genetic algorithm for item selection with cross-selling considerations. 2005, 548 1 An Improved Genetic Algorithm for Flow Shop Sequencing. 547 A Hybrid Quantum-Inspired Genetic Algorithm for Flow Shop Scheduling. Lecture Notes in Computer 546 0.9 22 Science, 2005, 636-644 Genetic algorithms and simulated annealing for scheduling in agile manufacturing. 2005, 43, 3069-3085 545 21 Discrete Particle Swarm Optimization (DPSO) Algorithm for Permutation Flowshop Scheduling to 0.9 544 40 Minimize Makespan. Lecture Notes in Computer Science, 2005, 572-581 Flowshop-scheduling problems with makespan criterion: a review. 2005, 43, 2895-2929 543 215 An optimization model for workgroup-based repetitive scheduling. 2006, 33, 1172-1194 542 3 A Hybrid Genetic Algorithm for the Flow-Shop Scheduling Problem. Lecture Notes in Computer 0.9 541 Science, 2006, 218-227 Heuristic optimization strategies for scheduling of manufacturing processes. 2006, 540 4 Solving Large-scale FSP with NEH Algorithm Based on Block Properties. 2006, 539 538 Scheduling and lot sizing with sequence-dependent setup: A literature review. 2006, 38, 987-1007 163 An effective hybrid optimization algorithm for the flow shop scheduling problem. 2006, 537 3 A local search method for permutation flow shop scheduling. 2006, 57, 1248-1251 6 536 A NEW HEURISTIC-EM FOR PERMUTATION FLOWSHOP SCHEDULING. 2006, 39, 33-38 2 535

534 . **2006**,

| 533 | A genetic algorithm for hybrid flowshops with sequence dependent setup times and machine eligibility. 2006 , 169, 781-800 | | 300 |
|-----|---|----|-----|
| 532 | Psycho-Clonal algorithm based approach to solve continuous flow shop scheduling problem. 2006 , 31, 504-514 | | 38 |
| 531 | Stochastic optimization using simulated annealing with hypothesis test. 2006 , 174, 1329-1342 | | 22 |
| 530 | A similar particle swarm optimization algorithm for permutation flowshop scheduling to minimize makespan. 2006 , 175, 773-785 | | 89 |
| 529 | An effective hybrid genetic algorithm for flow shop scheduling with limited buffers. <i>Computers and Operations Research</i> , 2006 , 33, 2960-2971 | .6 | 96 |
| 528 | Improvement heuristic for the flow-shop scheduling problem: An adaptive-learning approach. 2006 , 169, 801-815 | | 37 |
| 527 | Some aspects of scatter search in the flow-shop problem. 2006 , 169, 654-666 | | 63 |
| 526 | Setup coordination between two stages of a production system: A multi-objective evolutionary approach. 2006 , 147, 175-198 | | 7 |
| 525 | An adaptive genetic algorithm with multiple operators for flowshop scheduling. 2006 , 27, 580-587 | | 24 |
| 524 | Scheduling of an assembly line with a multi-objective genetic algorithm. 2006, 28, 551-555 | | 13 |
| 523 | Sequencing of an M machine flow shop with setup, processing and removal times separated. 2006 , 30, 286-296 | | 8 |
| 522 | Determining optimal combination of genetic operators for flow shop scheduling. 2006, 30, 302-308 | | 8 |
| 521 | Implementation of grasp in flow shop scheduling. 2006 , 30, 1126-1131 | | 18 |
| 520 | Multi-project scheduling using an heuristic and a genetic algorithm. 2006 , 31, 360-366 | | 51 |
| 519 | A scatter search approach for general flowshop scheduling problem. 2006 , 31, 731-736 | | 9 |
| 518 | No-wait Job Shop Scheduling: Tabu Search and Complexity of Subproblems. 2006 , 63, 473-491 | | 35 |
| 517 | A grouping genetic algorithm for registration area planning. 2006 , 34, 220-230 | | 26 |

| 516 | Two new robust genetic algorithms for the flowshop scheduling problem. 2006 , 34, 461-476 | 268 |
|-----|--|-----|
| 515 | Multi-objective Flow Shop Scheduling Using Differential Evolution. 2006 , 1125-1136 | 5 |
| 514 | COMPARISON OF SCHEDULING EFFICIENCY IN TWO/THREE-MACHINE NO-WAIT FLOW SHOP PROBLEM USING SIMULATED ANNEALING AND GENETIC ALGORITHM. 2006 , 23, 41-59 | 6 |
| 513 | A performance evaluation of permutation vs. non-permutation schedules in a flowshop. 2006 , 44, 4297-4309 | 31 |
| 512 | Forma Analysis of Permutation Random Keys. 2006 , | |
| 511 | Using genetic algorithms (GA) and a coloured timed Petri net (CTPN) for modelling the optimization-based schedule generator of a generic production scheduling system. 2007 , 45, 1763-1789 | 47 |
| 510 | A discrete differential evolution algorithm for the permutation flowshop scheduling problem. 2007 , | 18 |
| 509 | A Modified Binary Particle Swarm Optimization Algorithm for Permutation Flow Shop Problem. 2007 , | 3 |
| 508 | Solving permutation flow shop sequencing using ant colony optimization. 2007, | 4 |
| 507 | A GROUPING GENETIC ALGORITHM FOR THE MULTIPLE TRAVELING SALESPERSON PROBLEM. 2007 , 06, 333-347 | 34 |
| 506 | An effective PSO-based memetic algorithm for flow shop scheduling. 2007 , 37, 18-27 | 335 |
| 505 | Flow Shop Scheduling. 2007 , 271-320 | |
| 504 | Some supplementation for NEH heuristic in solving flow shop problem. 2007, | 1 |
| 503 | An improved version of the NEH algorithm and its application to large-scale flow-shop scheduling problems. 2007 , 39, 229-234 | 15 |
| 502 | Genetic algorithms for total weighted expected tardiness integrated preventive maintenance planning and production scheduling for a single machine. 2007 , 13, 49-61 | 20 |
| 501 | A Genetic Algorithm Based Scheduling for a Flexible System. 2007 , 8, 15-24 | 3 |
| 500 | Heuristic approaches for batching jobs in printed circuit board assembly. <i>Computers and Operations Research</i> , 2007 , 34, 1943-1962 | 3 |
| 499 | Simple heuristics for scheduling with limited intermediate storage. <i>Computers and Operations Research</i> , 2007 , 34, 2293-2309 | 24 |

| 498 | Parallel partitioning method (PPM): A new exact method to solve bi-objective problems. <i>Computers and Operations Research</i> , 2007 , 34, 2450-2462 | 26 |
|------------------|---|--------------|
| 497 | Impact of permutation enforcement when minimizing total weighted tardiness in dynamic flowshops with uncertain processing times. Computers and Operations Research, 2007, 34, 3055-3068 4.6 | 22 |
| 496 | An exact parallel method for a bi-objective permutation flowshop problem. 2007, 177, 1641-1655 | 28 |
| 495 | A particle swarm optimization algorithm for makespan and total flowtime minimization in the permutation flowshop sequencing problem. 2007 , 177, 1930-1947 | 402 |
| 494 | Heuristic genetic algorithm for capacitated production planning problems with batch processing and remanufacturing. 2007 , 105, 301-317 | 72 |
| 493 | A factorial representation of permutations and its application to flow-shop scheduling. 2007 , 38, 73-86 | |
| 492 | An effective hybrid particle swarm optimization for no-wait flow shop scheduling. 2007 , 31, 1001-1011 | 85 |
| 491 | An efficient approach to simplify the calculation of makespan in permutation flow shop scheduling problem. 2007 , 35, 325-332 | 1 |
| 490 | No-wait flowshop with separate setup times to minimize maximum lateness. 2007 , 35, 551-565 | 32 |
| 489 | A novel timetabling algorithm for a furnace process for semiconductor fabrication with constrained waiting and frequency-based setups. 2007 , 29, 391-419 | 59 |
| 488 | Improved heuristics for the bounded-diameter minimum spanning tree problem. 2007, 11, 911-921 | 24 |
| 4 ⁸ 7 | A simple and effective iterated greedy algorithm for the permutation flowshop scheduling problem. 2007 , 177, 2033-2049 | 692 |
| 486 | A memetic algorithm for the job-shop with time-lags. <i>Computers and Operations Research</i> , 2008 , 35, 2331 _‡ 23 | 56 50 |
| 485 | A discrete particle swarm optimization algorithm for the no-wait flowshop scheduling problem. **Computers and Operations Research, 2008, 35, 2807-2839** 4.6 | 299 |
| 484 | A proposal for a hybrid meta-strategy for combinatorial optimization problems. 2008 , 14, 375-390 | 3 |
| 483 | Algorithms for flexible flow shop problems with unrelated parallel machines, setup times, and dual criteria. 2008 , 37, 354-370 | 85 |
| 482 | Performance evaluation of the scatter search method for permutation flowshop sequencing problems. 2008 , 37, 1200-1208 | 15 |
| 481 | A hybrid discrete particle swarm optimization algorithm for the no-wait flow shop scheduling problem with makespan criterion. 2008 , 38, 337-347 | 53 |

| 480 | A hybrid differential evolution method for permutation flow-shop scheduling. 2008, 38, 757-777 | 100 |
|-----|--|-----|
| 479 | An improved iterated greedy algorithm for the no-wait flow shop scheduling problem with makespan criterion. 2008 , 38, 778-786 | 79 |
| 478 | Multi-objective integrated optimization research on preventive maintenance planning and production scheduling for a single machine. 2008 , 39, 954-964 | 56 |
| 477 | Comparison and hybridization of crossover operators for the nurse scheduling problem. 2008 , 159, 333-353 | 27 |
| 476 | Fuzzy job shop scheduling with lot-sizing. 2008 , 159, 275-292 | 39 |
| 475 | Permutation-Based Dual Genetic Algorithm Applied in Dynamic Sequencing Optimizations. 2008 , 28, 129-134 | O |
| 474 | Genetic algorithm integrated with artificial chromosomes for multi-objective flowshop scheduling problems. 2008 , 205, 550-561 | 36 |
| 473 | An effective hybrid PSO-based algorithm for flow shop scheduling with limited buffers. <i>Computers and Operations Research</i> , 2008 , 35, 2791-2806 | 122 |
| 472 | Design of an adaptive mutation operator in an electrical load management case study. <i>Computers and Operations Research</i> , 2008 , 35, 2925-2936 | 9 |
| 471 | An improved NEH heuristic to minimize makespan in permutation flow shops. <i>Computers and Operations Research</i> , 2008 , 35, 3001-3008 | 80 |
| 470 | A tabu search algorithm for the flowshop scheduling problem with changing neighborhoods. *Computers and Industrial Engineering, 2008, 54, 1-11* | 36 |
| 469 | Ant colony optimization for multi-objective flow shop scheduling problem. <i>Computers and Industrial Engineering</i> , 2008 , 54, 411-420 | 108 |
| 468 | A combinatorial particle swarm optimisation for solving permutation flowshop problems. Computers and Industrial Engineering, 2008, 54, 526-538 6.4 | 71 |
| 467 | A Constructive Genetic Algorithm for permutation flowshop scheduling. <i>Computers and Industrial Engineering</i> , 2008 , 55, 195-207 | 39 |
| 466 | A particle swarm-based genetic algorithm for scheduling in an agile environment. <i>Computers and Industrial Engineering</i> , 2008 , 55, 707-720 | 13 |
| 465 | A discrete differential evolution algorithm for the permutation flowshop scheduling problem. **Computers and Industrial Engineering, 2008, 55, 795-816** 6.4 | 215 |
| 464 | An evolutionary approach to rehabilitation patient scheduling: A case study. 2008 , 189, 1234-1253 | 65 |
| 463 | Upper bounds on Taillard benchmark suite for the no-wait flowshop scheduling problem with makespan criterion. 2008 , | |

| 462 | An Effective PSO-Based Hybrid Algorithm for Multiobjective Permutation Flow Shop Scheduling. 2008 , 38, 818-831 | 87 |
|-----|--|----|
| 461 | Exact, Heuristic and Meta-heuristic Algorithms for Solving Shop Scheduling Problems. 2008, 1-40 | 10 |
| 460 | Multiobjective permutation flowshop scheduling by an adaptive genetic local search algorithm. 2008 , | |
| 459 | A new dual scheme for genetic algorithm in dynamic environments. 2008, | 1 |
| 458 | Differential evolution method for stochastic flow shop scheduling with limited buffers. 2008, | |
| 457 | An effective ant colony optimization-based algorithm for flow shop scheduling. 2008, | 5 |
| 456 | A novel multi-objective particle swarm optimization algorithm for no-wait flow shop scheduling problems. 2008 , 222, 519-539 | 22 |
| 455 | Application of Genetic Algorithms for a Tyre Production Scheduling Information System. 2008, | 1 |
| 454 | Hybrid Flowshop with Unrelated Machines, Sequence Dependent Setup Time and Availability Constraints: An Enhanced Crossover Operator for a Genetic Algorithm. 2007 , 608-617 | 1 |
| 453 | The node-depth encoding. 2008, | 5 |
| 452 | Tardiness in Fuzzy Flow Shop Scheduling Problems Based on Possibility and Necessity Measures. 2008 , | |
| 451 | Hybrid Particle Swarm Optimization for Stochastic Flow Shop Scheduling With No-wait Constraint. 2008 , 41, 15855-15860 | 8 |
| 450 | Greedy Seeding and Problem-Specific Operators for GAs Solution of Strip Packing Problems. 2009 , 385-405 | |
| 449 | Memetic differential evolution algorithm for operating room scheduling. 2009, | 3 |
| 448 | A two-phase genetic-immune algorithm with improved survival strategy of lifespan for flow-shop scheduling problems. 2009 , | 3 |
| | | |
| 447 | A Hybrid Genetic-Immune Algorithm with Improved Offsprings and Elitist Antigen for Flow-Shop Scheduling Problems. 2009 , | 6 |
| 447 | | 6 |

| 444 | New high performing heuristics for minimizing makespan in permutation flowshops. 2009 , 37, 331-345 | | 108 |
|-----|--|-----|-----|
| 443 | Local search: A guide for the information retrieval practitioner. 2009 , 45, 159-174 | | 7 |
| 442 | A permutation-based dual genetic algorithm for dynamic optimization problems. 2009 , 13, 725-738 | | 8 |
| 441 | Multi-objective no-wait flow-shop scheduling with a memetic algorithm based on differential evolution. 2009 , 13, 847-869 | | 18 |
| 440 | Hybrid flowshop with unrelated machines, sequence-dependent setup time, availability constraints and limited buffers. <i>Computers and Industrial Engineering</i> , 2009 , 56, 1452-1463 | 6.4 | 46 |
| 439 | A DE-based approach to no-wait flow-shop scheduling. <i>Computers and Industrial Engineering</i> , 2009 , 57, 787-805 | 6.4 | 67 |
| 438 | A genetic algorithm approach for the single machine scheduling problem with linear earliness and quadratic tardiness penalties. <i>Computers and Operations Research</i> , 2009 , 36, 2707-2715 | 4.6 | 32 |
| 437 | A hybrid genetic local search algorithm for the permutation flowshop scheduling problem. 2009 , 198, 84-92 | | 87 |
| 436 | Artificial chromosomes embedded in genetic algorithm for a chip resistor scheduling problem in minimizing the makespan. 2009 , 36, 7135-7141 | | 14 |
| 435 | A constructive heuristic for minimizing makespan in no-wait flow shop scheduling. 2009 , 41, 97-109 | | 67 |
| 434 | An efficient hybrid heuristic for makespan minimization in permutation flow shop scheduling. 2009 , 44, 559-569 | | 23 |
| 433 | A particle swarm optimization for multi-objective flowshop scheduling. 2009 , 45, 749-758 | | 48 |
| 432 | A steady-state genetic algorithm for multi-product supply chain network design. <i>Computers and Industrial Engineering</i> , 2009 , 56, 521-537 | 6.4 | 168 |
| 431 | Multi-criteria sequence-dependent job shop scheduling using genetic algorithms. <i>Computers and Industrial Engineering</i> , 2009 , 56, 179-185 | 6.4 | 29 |
| 430 | Medical doctor rostering problem in a hospital emergency department by means of genetic algorithms. <i>Computers and Industrial Engineering</i> , 2009 , 56, 1232-1242 | 6.4 | 50 |
| 429 | 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 |
| 428 | A comparison of scheduling algorithms for flexible flow shop problems with unrelated parallel machines, setup times, and dual criteria. <i>Computers and Operations Research</i> , 2009 , 36, 358-378 | 4.6 | 91 |
| 427 | 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 |

| 426 | An estimation of distribution algorithm for minimizing the total flowtime in permutation flowshop scheduling problems. <i>Computers and Operations Research</i> , 2009 , 36, 2638-2646 | 1 .6 | 129 |
|-----|---|-------------|-----|
| 425 | A genetic algorithm for the proportionate multiprocessor open shop. <i>Computers and Operations Research</i> , 2009 , 36, 2601-2618 | 1 .6 | 40 |
| 424 | A note of using effective immune based approach for the flow shop scheduling with buffers. 2009 , 215, 1984-1989 | | 13 |
| 423 | Hybrid genetic algorithm for permutation flowshop scheduling problems with total flowtime minimization. 2009 , 196, 869-876 | | 87 |
| 422 | An efficient flow-shop scheduling algorithm based on a hybrid particle swarm optimization model. 2009 , 36, 7027-7032 | | 69 |
| 421 | A GA-Tabu algorithm for scheduling in-line steppers in low-yield scenarios. 2009 , 36, 11925-11933 | | 6 |
| 420 | A class of multi-objective expected value decision-making model with birandom coefficients and its application to flow shop scheduling problem. 2009 , 179, 2997-3017 | | 33 |
| 419 | A GA optimization model for workgroup-based repetitive scheduling (WoRSM). 2009 , 40, 212-228 | | 11 |
| 418 | Fifty years of scheduling: a survey of milestones. 2009 , 60, S41-S68 | | 110 |
| 417 | Using composite variable modeling to achieve realism and tractability in production planning: An example from automotive stamping. 2009 , 41, 421-436 | | 8 |
| 416 | A New Artificial Immune System Algorithm for Multiobjective Fuzzy Flow Shop. 2009 , 2, 236-247 | | 9 |
| 415 | An improved genetic algorithm for the flowshop scheduling problem. 2009 , 47, 233-249 | | 37 |
| 414 | An Estimation of Distribution Algorithm for Flowshop Scheduling with Limited Buffers. 2009 , 89-110 | | 1 |
| 413 | Integrating flexible-interval preventive maintenance planning with production scheduling. 2009 , 22, 1089-1101 | | 19 |
| 412 | An Enhanced Grouping Genetic Algorithm for solving the cell formation problem. 2009 , 47, 1989-2007 | | 28 |
| 411 | An Adaptive Repulsive Particle Swarm Optimization for Makespan and Maximum Lateness Minimization in the Permutation Flowshop Scheduling Problem. 2009 , | | 1 |
| 410 | An effective hybrid DE-based algorithm for flow shop scheduling with limited buffers. 2009 , 47, 1-24 | | 40 |
| 409 | Memetic Algorithm for operating room admissions. 2009, | | 6 |

(2010-2009)

| 408 | A novel hybrid quantum-inspired evolutionary algorithm for permutation flow-shop scheduling. 2009 , 12, 1165-1182 | 4 |
|-----|---|-----|
| 407 | Genetic Algorithm for Hybrid Flow-Shop Scheduling with Parrel Batch Processors. 2009, | 5 |
| 406 | A Hybrid Particle Swarm Optimization Algorithm with Diversity for Flow-Shop Scheduling Problem. 2009 , | 1 |
| 405 | Are we modelling the right thing? The impact of incorrect problem specification in credit scoring. 2009 , 36, 9065-9071 | 18 |
| 404 | Initial populations tests for genetic algorithm flowshop scheduling problems solving with a special blocking. 2009 , 42, 1965-1970 | |
| 403 | Floating-point to integer mapping schemes in differential evolution for permutation flow shop scheduling. 2010 , 2, 183 | 6 |
| 402 | Development of a Web Application for Dynamic Production Scheduling in Small and Medium Enterprises. 2010 , 43, 125-135 | 3 |
| 401 | Scheduling flowshops with condition-based maintenance constraint to minimize expected makespan. 2010 , 46, 757-767 | 27 |
| 400 | A parallel genetic algorithm for a flexible job-shop scheduling problem with sequence dependent setups. 2010 , 49, 263-279 | 42 |
| 399 | Solving flow shop scheduling problems by quantum differential evolutionary algorithm. 2010 , 49, 643-662 | 40 |
| 398 | K-PPM: A new exact method to solve multi-objective combinatorial optimization problems. 2010 , 200, 45-53 | 34 |
| 397 | Generating artificial chromosomes with probability control in genetic algorithm for machine scheduling problems. 2010 , 180, 197-211 | 17 |
| 396 | Genetic algorithms with path relinking for the minimum tardiness permutation flowshop problem?. 2010 , 38, 57-67 | 115 |
| 395 | Electromagnetism-like mechanism and simulated annealing algorithms for flowshop scheduling problems minimizing the total weighted tardiness and makespan. 2010 , 23, 77-85 | 84 |
| 394 | Modeling job rotation in manufacturing systems: The study of employee's boredom and skill variations. 2010 , 123, 69-85 | 95 |
| 393 | A hybrid genetic algorithm for no-wait flowshop scheduling problem. 2010 , 128, 144-152 | 65 |
| 392 | A hybrid scatter search heuristic for personalized crew rostering in the airline industry. 2010 , 206, 155-167 | 49 |
| 391 | Solving the fuzzy earliness and tardiness in scheduling problems by using genetic algorithms. 2010 , 37, 4860-4866 | 16 |

| 390 | Parallel dedicated machine scheduling problem with sequence-dependent setups and a single server. <i>Computers and Industrial Engineering</i> , 2010 , 58, 165-174 | 6.4 | 33 |
|---------------------------------|---|-----|-----|
| 389 | The distributed permutation flowshop scheduling problem. <i>Computers and Operations Research</i> , 2010 , 37, 754-768 | 4.6 | 254 |
| 388 | A multi-objective ant colony system algorithm for flow shop scheduling problem. 2010 , 37, 1361-1368 | | 90 |
| 387 | A Collaborative Search Strategy to Solve Combinatorial Optimization and Scheduling Problems. 2010 , | | 1 |
| 386 | Hybrid Mean Particle Swarm Optimization Algorithm for Permutation Flow Shop Scheduling Problem. 2010 , 44-47, 270-274 | | |
| 385 | An Effective Immune Based Approach for the No-Wait Flow Shop Scheduling Problems with Multiple Machines. 2010 , 97-101, 2432-2435 | | 1 |
| 384 | Solving No-Wait Flow Shop Scheduling Problems by a Hybrid Quantum-Inspired Evolutionary Algorithm. <i>Lecture Notes in Computer Science</i> , 2010 , 315-324 | 0.9 | |
| 383 | Heuristics for the Operating Theatre Planning and Scheduling. 2010 , 19, 225-252 | | 3 |
| 382 | An effective GSA based memetic algorithm for permutation flow shop scheduling. 2010 , | | 4 |
| | | | |
| 381 | . 2010, | | 4 |
| 381 | . 2010, A hybrid neural network- meta heuristics approach for permutation flow shop scheduling problems. 2010, | | 4 |
| | A hybrid neural network- meta heuristics approach for permutation flow shop scheduling problems. | | 10 |
| 380 | A hybrid neural network- meta heuristics approach for permutation flow shop scheduling problems. 2010 , | | |
| 380 379 | A hybrid neural network- meta heuristics approach for permutation flow shop scheduling problems. 2010, A hybrid neural network@enetic algorithm approach for permutation flow shop scheduling. 2010, | | 10 |
| 380 379 378 | A hybrid neural network- meta heuristics approach for permutation flow shop scheduling problems. 2010, A hybrid neural network@enetic algorithm approach for permutation flow shop scheduling. 2010, 48, 4217-4231 | | 10 |
| 380 379 378 377 | A hybrid neural network- meta heuristics approach for permutation flow shop scheduling problems. 2010, 2010, A hybrid neural network@enetic algorithm approach for permutation flow shop scheduling. 2010, 48, 4217-4231 Hybrid genetic algorithms for flowshop scheduling with synchronous material movement. 2010, | | 10 |
| 380 379 378 377 376 | A hybrid neural network- meta heuristics approach for permutation flow shop scheduling problems. 2010, . 2010, A hybrid neural networkgenetic algorithm approach for permutation flow shop scheduling. 2010, 48, 4217-4231 Hybrid genetic algorithms for flowshop scheduling with synchronous material movement. 2010, Permutation flow shop scheduling algorithm based on a hybrid particle swarm optimization. 2010, A hybrid algorithm to minimize makespan for the permutation flow shop scheduling problem. 2010, | | 10 |

(2011-2010)

| 372 | An evolutionary approach using fuzzy greedy initialization to permutation flow-shop scheduling with the makespan criterion. 2010 , | 2 |
|-----|---|----|
| 371 | Bi-variate artificial chromosomes with genetic algorithm for single machine scheduling problems with sequence-dependent setup times. 2011 , | 1 |
| 370 | Hybrid Particle Swarm Optimization with parameter selection approaches to solve Flow Shop Scheduling Problem. 2011 , | |
| 369 | Evolutionary techniques for the synthesis of 2-D FIR filters. 2011 , | 9 |
| 368 | Permutation flow shop scheduling: Fuzzy particle swarm optimization approach. 2011, | О |
| 367 | A hybrid genetic algorithm for the distributed permutation flowshop scheduling problem. 2011 , 4, 497-508 | 71 |
| 366 | A hybrid genetic-immune algorithm with improved lifespan and elite antigen for flow-shop scheduling problems. 2011 , 49, 5207-5230 | 16 |
| 365 | A multi-objective flow shop scheduling with resource-dependent processing times: trade-off between makespan and cost of resources. 2011 , 49, 5851-5875 | 34 |
| 364 | Group scheduling in flexible flow shops: a hybridised approach of imperialist competitive algorithm and electromagnetic-like mechanism. 2011 , 49, 4965-4977 | 46 |
| 363 | A modified rapid access heuristic for flowshop scheduling problem. 2011 , 3, 327 | 1 |
| 362 | A chaotic harmony search algorithm for the flow shop scheduling problem with limited buffers. 2011 , 11, 5270-5280 | 58 |
| 361 | An artificial neural network based heuristic for flow shop scheduling problems. 2011 , 22, 279-288 | 26 |
| 360 | Genetic algorithms for single machine scheduling with quadratic earliness and tardiness costs. 2011 , 54, 251-265 | 16 |
| 359 | A hybrid genetic algorithm for solving no-wait flowshop scheduling problems. 2011 , 54, 1129-1143 | 39 |
| 358 | Ant colony optimization technique for the sequence-dependent flowshop scheduling problem. 2011 , 55, 317-326 | 28 |
| 357 | An improved genetic algorithm for robust permutation flowshop scheduling. 2011 , 56, 345-354 | 21 |
| 356 | A hybrid method for flowshops scheduling with condition-based maintenance constraint and machines breakdown. 2011 , 38, 2020-2029 | 31 |
| 355 | Multi-objective genetic algorithms for scheduling of radiotherapy treatments for categorised cancer patients. 2011 , 38, 6994-7002 | 36 |

| 354 | Production Scheduling of Coating Workshop for Cutting Tools. 2011 , 308-310, 914-917 | O |
|-----|---|----|
| 353 | HYBRID FUZZY LOGIC-BASED PARTICLE SWARM OPTIMIZATION FOR FLOW SHOP SCHEDULING PROBLEM. 2011 , 10, 335-356 | 12 |
| 352 | Using a Hybrid Genetic Algorithm to Minimize the Number of Tardy Jobs in the Flow Shop. 2011 , 201-203, 1070-1074 | |
| 351 | An Improved Immune Algorithm for Manufacturing Scheduling. 2012 , 488-489, 1109-1113 | |
| 350 | A highly optimised tolerance-based approach for multi-stage, multi-product supply chain network design. 2012 , 50, 5430-5444 | 10 |
| 349 | A genetic algorithm for the integrated scheduling model of a container-handling system in a maritime terminal. 2012 , 226, 62-77 | 1 |
| 348 | A HYBRID HARMONY SEARCH ALGORITHM FOR THE NO-WAIT FLOW-SHOP SCHEDULING PROBLEMS. 2012 , 29, 1250012 | 16 |
| 347 | Coordinating strategic outsourcing decisions for semiconductor assembly using a bi-objective genetic algorithm. 2012 , 50, 235-260 | 45 |
| 346 | Adaptive Hybrid Algorithms for the Sequence-Dependent Setup Time Permutation Flow Shop Scheduling Problem. 2012 , 9, 578-595 | 26 |
| 345 | Bacterial memetic algorithm for simultaneous optimization of path planning and flow shop scheduling problems. 2012 , 17, 107-112 | 6 |
| 344 | Clustered enhanced differential evolution for the blocking flow shop scheduling problem. 2012 , 20, 679-717 | 6 |
| 343 | Parallel hybrid heuristics for the permutation flow shop problem. 2012 , 199, 269-284 | 8 |
| 342 | Modeling and Scheduling Optimization for Bulk Ore Blending Process. 2012 , 19, 20-28 | 7 |
| 341 | An ant colony algorithm for permutation flow shop problem. 2012 , | |
| 340 | A genetic algorithm for job shop scheduling with limited part-changing times. 2012, | |
| 339 | A meta-heuristic approach for solving the no-wait flow-shop problem. 2012 , 50, 7313-7326 | 34 |
| 338 | Solving a multiobjective job shop scheduling problem using Pareto Archived Cuckoo Search. 2012, | 14 |
| 337 | Harmony search algorithm with dynamic control parameters. 2012 , 219, 592-604 | 42 |

| 336 | Multi-objective optimization with fuzzy measures and its application to flow-shop scheduling. 2012 , 25, 1381-1394 | 10 |
|-----|---|-------|
| 335 | Just-in-Time Systems. Springer Optimization and Its Applications, 2012 , 0.4 | 4 |
| 334 | Jobshop lot streaming with routing flexibility, sequence-dependent setups, machine release dates and lag time. 2012 , 50, 2331-2352 | 35 |
| 333 | Minimizing makespan for a no-wait flowshop using genetic algorithm. 2012 , 37, 695-707 | 5 |
| 332 | A genetic algorithm and particle swarm optimization for no-wait flow shop problem with separable setup times and makespan criterion. 2012 , 61, 1101-1114 | 19 |
| 331 | A genetic algorithm with genes-association recognition for flowshop scheduling problems. 2012 , 23, 1167-1177 | 10 |
| 330 | Application of a single-objective, hybrid genetic algorithm approach to pharmacokinetic model building. 2012 , 39, 393-414 | 8 |
| 329 | A greedy heuristic and simulated annealing approach for a bicriteria flowshop scheduling problem with precedence constraints practical manufacturing case. 2012 , 60, 1087-1098 | 6 |
| 328 | A Self-guided Genetic Algorithm for permutation flowshop scheduling problems. <i>Computers and Operations Research</i> , 2012 , 39, 1450-1457 | 49 |
| 327 | A genetic algorithm for scheduling dual flow shops. 2012 , 39, 1306-1314 | 13 |
| 326 | Genetic algorithm with iterated local search for solving a location-routing problem. 2012, 39, 2865-2871 | 78 |
| 325 | An agent-based genetic algorithm for hybrid flowshops with sequence dependent setup times to minimise makespan. 2012 , 39, 8095-8107 | 28 |
| 324 | A multi-objective electromagnetism algorithm for a bi-objective flowshop scheduling problem. 2012 , 31, 232-239 | 62 |
| 323 | Fitness landscape analysis for the no-wait flow-shop scheduling problem. 2012 , 18, 25-51 | 21 |
| 322 | Addressing the advantages of using ensemble probabilistic models in Estimation of Distribution Algorithms for scheduling problems. 2013 , 141, 24-33 | 24 |
| 321 | Scheduling flow shops with blocking using a discrete self-organising migrating algorithm. 2013 , 51, 2200-22 ⁻⁷ | 18 24 |
| 320 | References. 2013 , 423-455 | |
| 319 | Dynamic Drum-Buffer-Rope approach for production planning and control in capacitated flow-shop manufacturing systems. <i>Computers and Industrial Engineering</i> , 2013 , 65, 689-703 | 21 |

| 318 | New Greedy Randomized Adaptive Search Procedure based on differential evolution algorithm for solving no-wait flowshop scheduling problem. 2013 , | | 4 |
|--------------------------|--|-----|----------------------|
| 317 | A hybrid cuckoo search via L $\overline{\mathbb{Q}}$ y flights for the permutation flow shop scheduling problem. 2013 , 51, 4732-4754 | | 72 |
| 316 | . 2013, | | 11 |
| 315 | GalaxyDock2: protein-ligand docking using beta-complex and global optimization. 2013 , 34, 2647-56 | | 44 |
| 314 | A block mining and re-combination enhanced genetic algorithm for the permutation flowshop scheduling problem. 2013 , 141, 45-55 | | 24 |
| 313 | A genetic algorithm for two-stage no-wait hybrid flow shop scheduling problem. <i>Computers and Operations Research</i> , 2013 , 40, 1064-1075 | 4.6 | 43 |
| 312 | A block-based evolutionary algorithm for flow-shop scheduling problem. 2013 , 13, 4536-4547 | | 14 |
| 311 | . 2013, | | 2 |
| 310 | Permutation Flow Shop Scheduling with dynamic job order arrival. 2013, | | 3 |
| | | | |
| 309 | Community detection based on modularity and an improved genetic algorithm. 2013 , 392, 1215-1231 | | 131 |
| 309 | Community detection based on modularity and an improved genetic algorithm. 2013 , 392, 1215-1231 The m-Machine Flow Shop. 2013 , 97-160 | | 131 |
| | | | 131 |
| 308 | The m-Machine Flow Shop. 2013 , 97-160 Particle swarm optimization for scheduling batch processing machines in a permutation flowshop. | 4.6 | |
| 308 | The m-Machine Flow Shop. 2013 , 97-160 Particle swarm optimization for scheduling batch processing machines in a permutation flowshop. 2013 , 64, 989-1000 Makespan minimization flowshop with position dependent job processing timesBomputational | 4.6 | 22 |
| 308 307 306 | The m-Machine Flow Shop. 2013 , 97-160 Particle swarm optimization for scheduling batch processing machines in a permutation flowshop. 2013 , 64, 989-1000 Makespan minimization flowshop with position dependent job processing timesBomputational complexity and solution algorithms. <i>Computers and Operations Research</i> , 2013 , 40, 2071-2082 A hybrid discrete artificial bee colony algorithm for permutation flowshop scheduling problem. | 4.6 | 15 |
| 308 307 306 305 | The m-Machine Flow Shop. 2013, 97-160 Particle swarm optimization for scheduling batch processing machines in a permutation flowshop. 2013, 64, 989-1000 Makespan minimization flowshop with position dependent job processing timeslomputational complexity and solution algorithms. <i>Computers and Operations Research</i> , 2013, 40, 2071-2082 A hybrid discrete artificial bee colony algorithm for permutation flowshop scheduling problem. 2013, 13, 1459-1463 | 4.6 | 15 99 |
| 308 307 306 305 | The m-Machine Flow Shop. 2013, 97-160 Particle swarm optimization for scheduling batch processing machines in a permutation flowshop. 2013, 64, 989-1000 Makespan minimization flowshop with position dependent job processing times@omputational complexity and solution algorithms. Computers and Operations Research, 2013, 40, 2071-2082 A hybrid discrete artificial bee colony algorithm for permutation flowshop scheduling problem. 2013, 13, 1459-1463 Integrated scheduling of production and delivery with time windows. 2013, 51, 897-909 An opposition-based differential evolution algorithm for permutation flow shop scheduling based | 4.6 | 22 15 99 42 |

| 300 | Refined ranking relations for multi objective optimization and application to P-ACO. 2013, | | 1 |
|-----|--|-----|----|
| 299 | The No-Wait Flow Shop. 2013 , 189-220 | | 2 |
| 298 | Inventory Based Bi-Objective Flow Shop Scheduling Model and Its Hybrid Genetic Algorithm. 2013 , 2013, 1-7 | | 4 |
| 297 | Probabilistic memetic algorithm for flowshop scheduling. 2013, | | 3 |
| 296 | A hybrid genetic algorithm for sports stadiums location problem in large-scale. 2013, | | |
| 295 | Permutation flow-shop scheduling using a hybrid differential evolution algorithm. 2013 , 4, 298 | | 13 |
| 294 | A multipopulation PSO based memetic algorithm for permutation flow shop scheduling. 2013 , 2013, 387194 | | 5 |
| 293 | An electromagnetism-inspired method for a generalized flowshop problem. 2014 , 1, 13 | | |
| 292 | Scheduling Mixed-Model Production on Multiple Assembly Lines with Shared Resources Using Genetic Algorithms: The Case Study of a Motorbike Company. 2014 , 2014, 1-11 | | 5 |
| 291 | A Self-Adaptive Heuristic Algorithm for Combinatorial Optimization Problems. 2014 , 7, 827-852 | | 3 |
| 290 | Distance Measures for Permutations in Combinatorial Efficient Global Optimization. <i>Lecture Notes in Computer Science</i> , 2014 , 373-383 | 0.9 | 15 |
| 289 | A Heuristic for Permutation Flowshop Scheduling to Minimize Makespan. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 423-432 | 0.4 | 2 |
| 288 | Hybrid Flow-Shop Scheduling Method and Simulation Based on Adaptive Genetic Algorithm. 2014 , 670-671, 1434-1438 | | |
| 287 | Using iterated local search for solving the flow-shop problem: Parallelization, parametrization, and randomization issues. 2014 , 21, 103-126 | | 47 |
| 286 | Component based life cycle costing in replacement decisions. 2014 , 20, 436-452 | | 14 |
| 285 | A novel genetic algorithm for the hybrid flow shop scheduling with parallel batching and eligibility constraints. 2014 , 75, 833-847 | | 14 |
| 284 | Application of genetic algorithm in permutation flow shop to optimize the makespan. 2014, | | |
| 283 | Scheduling of multiple in-line steppers for semiconductor wafer fabs. 2014 , 45, 384-398 | | 6 |

| 282 | Determining the operator-machine assignment for machine interference problem and an empirical study in semiconductor test facility. 2014 , 25, 899-911 | 9 |
|-----|---|-----|
| 281 | A self-evolving artificial immune system II with T-cell and B-cell for permutation flow-shop problem. 2014 , 25, 1257-1270 | 13 |
| 280 | A revised discrete particle swarm optimization algorithm for permutation flow-shop scheduling problem. 2014 , 18, 2271-2282 | 16 |
| 279 | A novel hybrid genetic algorithm to solve the sequence-dependent permutation flow-shop scheduling problem. 2014 , 71, 429-437 | 13 |
| 278 | A block based estimation of distribution algorithm using bivariate model for scheduling problems. 2014 , 18, 1177-1188 | 14 |
| 277 | Testing the performance of teachinglearning based optimization (TLBO) algorithm on combinatorial problems: Flow shop and job shop scheduling cases. 2014 , 276, 204-218 | 104 |
| 276 | Manufacturing Scheduling Systems. 2014 , | 41 |
| 275 | Coordination of production scheduling and delivery problems with heterogeneous fleet. 2014 , 153, 139-148 | 36 |
| 274 | Potential of Particle Swarm Optimization and Genetic Algorithms for FIR Filter Design. 2014 , 33, 3195-3222 | 19 |
| 273 | An efficient hybrid genetic algorithm to design finite impulse response filters. 2014 , 41, 5917-5937 | 31 |
| 272 | A hybrid variable neighborhood search algorithm for solving the limited-buffer permutation flow shop scheduling problem with the makespan criterion. <i>Computers and Operations Research</i> , 2014 , 52, 260-268 | 31 |
| 271 | Solving the no-wait flow-shop problem with sequence-dependent set-up times. 2014 , 27, 213-228 | 18 |
| 270 | A new discrete eel swarm intelligence algorithm. 2014 , | |
| 269 | Performance evaluation of a hybridized simulated annealing algorithm for flow shop scheduling under a dynamic environment. 2014 , 43, 1024-1039 | 3 |
| 268 | An effective hybrid teachinglearning-based optimization algorithm for permutation flow shop scheduling problem. 2014 , 77, 35-47 | 61 |
| 267 | An effective differential evolution algorithm for permutation flow shop scheduling problem. 2014 , 248, 143-159 | 26 |
| 266 | Security based bi-objective flow shop scheduling model and its hybrid genetic algorithm. 2014 , 243, 637-643 | 3 |
| 265 | Fitness distance analysis for parallel genetic algorithm in the test task scheduling problem. 2014 , 18, 2385-2396 | 12 |

| 264 | Adaptive genetic algorithm-based approach to improve the synthesis of two-dimensional finite impulse response filters. 2014 , 8, 429-446 | 16 |
|-----|--|-----|
| 263 | A genetic algorithm for task scheduling on heterogeneous computing systems using multiple priority queues. 2014 , 270, 255-287 | 235 |
| 262 | A novel hybrid genetic algorithm to solve the make-to-order sequence-dependent flow-shop scheduling problem. 2014 , 10, 1 | 7 |
| 261 | Artificial chromosomes with genetic algorithm 2 (ACGA2) for single machine scheduling problems with sequence-dependent setup times. 2014 , 17, 167-175 | 13 |
| 260 | A particle swarm optimization approach for permutation flow shop scheduling problem. 2014 , 5, A20 | 6 |
| 259 | A comparative study of four metaheuristics applied for solving the flow-shop scheduling problem. 2015 , | 1 |
| 258 | Boundary lines between permutation flowshop problems and single machine problems. 2015, | |
| 257 | Intelligence in the Era of Big Data. <i>Communications in Computer and Information Science</i> , 2015 , 0.3 | 2 |
| 256 | A hybrid heuristic algorithm for the no-wait flowshop scheduling problem. 2015, | 2 |
| 255 | A no-wait flow shop system with sequence dependent setup times and server constraints. 2015 , 48, 1604-16 | 093 |
| 254 | A Boltzmann-Based Estimation of Distribution Algorithm for a General Resource Scheduling Model. 2015 , 19, 793-806 | 16 |
| 253 | System Machine Selection in a Dry Grinding Process: Cost and Energy Savings. 2015 , 132, 31-38 | 1 |
| 252 | Numerical assessment on makespan minimization by adopting NEH heuristics in permutation flow shop. 2015 , | |
| 251 | An effective discrete artificial bee colony algorithm for flow shop scheduling problem with intermediate buffers. 2015 , 22, 3471-3484 | 11 |
| 250 | Proactive Scheduling for Steelmaking-Continuous Casting Plant with Uncertain Machine Breakdown Using Distribution-Based Robustness and Decomposed Artificial Neural Network. 2015 , 32, 1550010 | 7 |
| 249 | Refined ranking relations for selection of solutions in multi objective metaheuristics. 2015, 243, 454-464 | 3 |
| 248 | Synchronisation of production scheduling and shipment in an assembly flowshop. 2015 , 53, 2787-2802 | 39 |
| 247 | A linkage mining in block-based evolutionary algorithm for permutation flowshop scheduling problem. <i>Computers and Industrial Engineering</i> , 2015 , 83, 159-171 | 14 |

| 246 | A hybrid backtracking search algorithm for permutation flow-shop scheduling problem. <i>Computers and Industrial Engineering</i> , 2015 , 85, 437-446 | 56 |
|-----|--|-----|
| 245 | Many-Objective Evolutionary Algorithms. 2015 , 48, 1-35 | 419 |
| 244 | A genetic algorithm for permutation flow shop scheduling under make to stock production system. **Computers and Industrial Engineering, 2015 , 90, 12-24 | 37 |
| 243 | An efficient learning method for RBF Neural Networks. 2015 , | 5 |
| 242 | A particle swarm optimisation for the no-wait flow shop problem with due date constraints. 2015 , 53, 2853-2870 | 21 |
| 241 | Minimizing Makespan Using Node Based Coincidence Algorithm in the Permutation Flowshop Scheduling Problem. 2015 , 303-311 | |
| 240 | Semi-online patient scheduling in pathology laboratories. 2015 , 64, 217-26 | 28 |
| 239 | Differential evolutionary algorithms with novel mutation operator for solving the permutation flowshop scheduling problem. 2015 , | 1 |
| 238 | Minimizing makespan for flow shop scheduling problem with intermediate buffers by using hybrid approach of artificial immune system. 2015 , 28, 44-56 | 25 |
| 237 | Studying the effect of server side-constraints on the makespan of the no-wait flow-shop problem with sequence-dependent set-up times. 2015 , 53, 2652-2673 | 9 |
| 236 | New hard benchmark for flowshop scheduling problems minimising makespan. 2015 , 240, 666-677 | 88 |
| 235 | A bi-objective integrated procurement, production, and distribution problem of a multi-echelon supply chain network design: A new tuned MOEA. <i>Computers and Operations Research</i> , 2015 , 54, 35-51 | 77 |
| 234 | A hybrid metaheuristic method to optimize the order of the sequences in continuous-casting. 2016 , 385-398 | 4 |
| 233 | Evolutionary optimisation of atrial fibrillation diagnostic algorithms. 2016 , 2, 117 | 3 |
| 232 | The Permutation Flow-Shop Scheduling Using a Genetic Algorithm-based Iterative Method. 2016, 5, | 0 |
| 231 | Revisiting the NEH algorithm- the power of job insertion technique for optimizing the makespan in permutation flow shop scheduling. 2016 , 353-366 | 3 |
| 230 | A novel water wave optimization based memetic algorithm for flow-shop scheduling. 2016, | 7 |
| 229 | A genetic algorithm for the permutation flow shop-problem: A parametric study. 2016 , | О |

| 228 | An effective DE-EDA for permutation flow-shop scheduling problem. 2016 , | О |
|-----|--|----|
| 227 | . 2016 , 63, 3719-3724 | 3 |
| 226 | An effective hybrid biogeography-based optimization algorithm for the distributed assembly permutation flow-shop scheduling problem. <i>Computers and Industrial Engineering</i> , 2016 , 97, 128-136 | 59 |
| 225 | Design of bio-inspired computing technique for nanofluidics based on nonlinear JefferyHamel flow equations. 2016 , 94, 474-489 | 39 |
| 224 | Minimizing tardiness and maintenance costs in flow shop scheduling by a lower-bound-based GA. Computers and Industrial Engineering, 2016 , 97, 26-40 | 44 |
| 223 | IPro-GA: an integrated prognostic based GA for scheduling jobs and predictive maintenance in a single multifunctional machine. 2016 , 49, 1821-1826 | 17 |
| 222 | Associating optical measurements of MEO and GEO objects using Population-Based Meta-Heuristic methods. 2016 , 58, 1778-1792 | 0 |
| 221 | Two new meta-heuristics for a bi-objective supply chain scheduling problem in flow-shop environment. 2016 , 49, 335-351 | 24 |
| 220 | Numerical Optimization of the Cusp Gun for a \$W\$ -Band Second-Harmonic Gyro-TWA. 2016 , 63, 4473-4478 | 1 |
| 219 | Modified Cuckoo Search Algorithm for Solving Permutation Flow Shop Problem. <i>Lecture Notes in Computer Science</i> , 2016 , 714-721 | |
| 218 | Techno-economic Optimization of a Green-Field Post-Combustion CO2 Capture Process Using Superstructure and Rate-Based Models. 2016 , 55, 12014-12026 | 18 |
| 217 | A hybrid discrete optimization algorithm based on teaching probabilistic learning mechanism for no-wait flow shop scheduling. 2016 , 107, 219-234 | 33 |
| 216 | A hybrid meta-heuristic algorithm for flowshop robust scheduling under machine breakdown uncertainty. 2016 , 29, 709-719 | 10 |
| 215 | DSOMA D iscrete Self Organising Migrating Algorithm. 2016, 51-63 | 6 |
| 214 | The high performing backtracking algorithm and heuristic for the sequence-dependent setup times flowshop problem with total weighted tardiness. 2016 , 48, 1571-1592 | 5 |
| 213 | A new cuckoo search algorithm for 2-machine robotic cell scheduling problem with sequence-dependent setup times. 2016 , 28, 131-143 | 33 |
| 212 | An immunity-based hybrid genetic algorithms for permutation flowshop scheduling problems. 2016 , 85, 2459-2469 | 18 |
| 211 | A self-guided differential evolution with neighborhood search for permutation flow shop scheduling. 2016 , 51, 161-176 | 32 |

| 210 | Permutation flowshop group scheduling with position-based learning effect. <i>Computers and Industrial Engineering</i> , 2016 , 92, 1-15 | 6.4 | 22 |
|-------------|--|-----|----|
| 209 | Evaluation of GalaxyDock Based on the Community Structure-Activity Resource 2013 and 2014 Benchmark Studies. 2016 , 56, 988-95 | | 9 |
| 208 | Two simple and effective heuristics for minimizing the makespan in non-permutation flow shops. <i>Computers and Operations Research</i> , 2016 , 66, 160-169 | 4.6 | 27 |
| 207 | A hybrid discrete biogeography-based optimization for the permutation flow shop scheduling problem. 2016 , 54, 4805-4814 | | 23 |
| 206 | A BRILS metaheuristic for non-smooth flow-shop problems with failure-risk costs. 2016 , 44, 177-186 | | 22 |
| 205 | Dynamic joint construction and optimal operation strategy of multi-period reverse logistics network: a case study of Shanghai apparel E-commerce enterprises. 2017 , 28, 819-831 | | 15 |
| 204 | A hybrid approach for minimizing makespan in permutation flowshop scheduling. 2017 , 26, 50-76 | | 12 |
| 203 | A hybrid multi-objective evolutionary algorithm approach for handling sequence- and machine-dependent set-up times in unrelated parallel machine scheduling problem. 2017 , 42, 391-403 | | 7 |
| 202 | Hybrid genetic algorithm-decision tree approach for rate constant prediction using structures of reactants and solvent for Diels-Alder reaction. 2017 , 106, 690-698 | | 16 |
| 2 01 | Network design through forests with degree- and role-constrained minimum spanning trees. 2017 , 23, 31-51 | | 2 |
| 200 | Application of genetic algorithm for hemodialysis schedule optimization. 2017, 145, 35-43 | | 9 |
| 199 | Energy Grid Management, Optimization and Economic Analysis of Microgrid. 2017 , 289-325 | | |
| 198 | Bacteria Foraging Optimization Algorithm for Robotic Cell Scheduling Problem. 2017 , 4, 2129-2136 | | 2 |
| 197 | Toward an integrated modeling approach for production and delivery operations in flow shop system: Trade-off between direct and routing delivery methods. 2017 , 44, 79-92 | | 12 |
| 196 | Fast quantitative detection of thiram using surface-enhanced Raman scattering and support vector machine regression. 2017 , | | |
| 195 | Minimisation of total tardiness for identical parallel machine scheduling using genetic algorithm. 2017 , 42, 11-21 | | 7 |
| 194 | Research on Permutation Flow-shop Scheduling Problem based on Improved Genetic Immune Algorithm with vaccinated offspring. 2017 , 112, 427-436 | | 9 |
| 193 | A modified immunoglobulin-based artificial immune system algorithm for solving the permutation flow shop scheduling problem. 2017 , 34, 542-550 | | 2 |

| 192 | A hybrid harmony search algorithm with efficient job sequence scheme and variable neighborhood search for the permutation flow shop scheduling problems. 2017 , 65, 178-199 | 49 |
|-----|--|-----|
| 191 | An extended teaching-learning based optimization algorithm for solving no-wait flow shop scheduling problem. 2017 , 61, 193-210 | 25 |
| 190 | A new vision of approximate methods for the permutation flowshop to minimise makespan: State-of-the-art and computational evaluation. 2017 , 257, 707-721 | 98 |
| 189 | Reduction of permutation flowshop problems to single machine problems using machine dominance relations. <i>Computers and Operations Research</i> , 2017 , 77, 96-110 | 6 |
| 188 | Study on optimizing production scheduling for water-saving in textile dyeing industry. 2017, 141, 721-727 | 32 |
| 187 | Genetic CNN. 2017, | 271 |
| 186 | A Two-phase Heuristic Algorithm for No-wait Flow Shop Scheduling. 2017 , 477-486 | |
| 185 | FMS Scheduling under Availability Constraint with Supervisor Based on Timed Petri Nets. 2017 , 7, 399 | 6 |
| 184 | An effective L-MONG algorithm for solving multi-objective flow-shop inverse scheduling problems. 2018 , 29, 789-807 | 10 |
| 183 | Disaster Rescue Task Scheduling: An Evolutionary Multiobjective Optimization Approach. 2018 , 6, 288-300 | 8 |
| 182 | An ensemble-ANFIS based uncertainty assessment model for forecasting multi-scalar standardized precipitation index. 2018 , 207, 155-180 | 49 |
| 181 | Efficient Economic Profit Maximization: Genetic Algorithm Based Approach. <i>Lecture Notes in Networks and Systems</i> , 2018 , 307-318 | 2 |
| 180 | A novel teaching-learning-based optimization algorithm for energy-efficient scheduling in hybrid flow shop. 2018 , 65, 330-340 | 67 |
| 179 | A hybrid whale optimization algorithm based on local search strategy for the permutation flow shop scheduling problem. 2018 , 85, 129-145 | 182 |
| 178 | A new hybrid ant colony algorithm for scheduling of no-wait flowshop. 2018 , 18, 55-74 | 18 |
| 177 | GPU implementation of a cellular genetic algorithm for scheduling dependent tasks of physical system simulation programs. 2018 , 35, 293-317 | 7 |
| 176 | Heuristics for a flowshop scheduling problem with stepwise job objective function. 2018 , 266, 950-962 | 17 |
| 175 | Bezier Curve Based Path Planning in a Dynamic Field using Modified Genetic Algorithm. 2018 , 25, 339-350 | 117 |

| 174 | A discrete Water Wave Optimization algorithm for no-wait flow shop scheduling problem. 2018 , 91, 347 | '-363 | 69 |
|-----|---|-------|----|
| 173 | Modelling and optimization of a bi-objective flow shop scheduling with diverse maintenance requirements. 2018 , 56, 3204-3225 | | 10 |
| 172 | Minimising Total Flowtime in a No-Wait Flow Shop (NWFS) using Genetic Algorithms. 2018, 38, 68-79 | | 2 |
| 171 | Toward Adaptive Manufacturing: Scheduling Problems in the Context of Industry 4.0. 2018, | | 4 |
| 170 | A Metaheuristic Optimization Algorithm Inspired by the Effect of Sunlight on the Leaf Germination. 2018 , 9, 40-48 | | 5 |
| 169 | Genetic Algorithm Based Parallelization Planning for Legacy Real-Time Embedded Programs. 2018, | | 1 |
| 168 | German Smart Meter Development and inspiration. 2018 , 439, 052040 | | |
| 167 | A Modified Symbiotic Organisms Search Algorithm Applied to Flow Shop Scheduling Problems. 2018 , | | 4 |
| 166 | Solutions to No-Wait Flow Shop Scheduling Problem Using the Flower Pollination Algorithm Based on the Hormone Modulation Mechanism. 2018 , 2018, 1-18 | | 6 |
| 165 | Minimizing makespan for no-wait flowshop scheduling problems with setup times. <i>Computers and Industrial Engineering</i> , 2018 , 121, 73-81 | 6.4 | 9 |
| 164 | Multi-objective versus single-objective optimization of batch bioethanol production based on a time-dependent fermentation model. 2018 , 20, 1271-1285 | | 2 |
| 163 | Multi-stage committee based extreme learning machine model incorporating the influence of climate parameters and seasonality on drought forecasting. 2018 , 152, 149-165 | | 44 |
| 162 | Optimizing Location-Routing Problem using Iterative Combination of GA and VNS. 2018, | | 1 |
| 161 | Three metaheuristics for solving the flow shop problem with permutation and sequence dependent setup time. 2018 , | | 2 |
| 160 | Cloud manufacturing Scheduling as a service for sheet metal manufacturing. <i>Computers and Operations Research</i> , 2019 , 110, 208-219 | 4.6 | 37 |
| 159 | Water Wave Optimization for Flow-Shop Scheduling. Lecture Notes in Computer Science, 2019, 771-783 | 0.9 | 2 |
| 158 | Minimizing the makespan in a flow shop environment under minimum and maximum time-lag constraints. <i>Computers and Industrial Engineering</i> , 2019 , 136, 614-634 | 6.4 | 7 |
| 157 | Meta-learning on flowshop using fitness landscape analysis. 2019 , | | 4 |

| 156 | Optimising Encoding for Vibrotactile Skin Reading. 2019 , | | 7 |
|-----|--|-----|------|
| 155 | Solving flow shop problem with permutation and sequence independent setup time. 2019, | | 1 |
| 154 | HyperSpark: A Data-Intensive Programming Environment for Parallel Metaheuristics. 2019, | | 1 |
| 153 | Conceptual Process Design and Process Optimization. 2019 , 87-114 | | 1 |
| 152 | An Iterated Local Search Algorithm for the Two-Machine Flow Shop Problem with Buffers and Constant Processing Times on One Machine. <i>Lecture Notes in Computer Science</i> , 2019 , 50-65 | 0.9 | 4 |
| 151 | Minimizing flowtime in a flowshop scheduling problem with a biased random-key genetic algorithm. 2019 , 128, 67-80 | | 23 |
| 150 | The Discrete Swallow Swarm Optimization for Flow-Shop Scheduling Problem. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 228-236 | 0.4 | |
| 149 | A factorial based particle swarm optimization with a population adaptation mechanism for the no-wait flow shop scheduling problem with the makespan objective. 2019 , 126, 41-53 | | 21 |
| 148 | Multi-Objective Optimization Genetic Algorithm for Flow-Shop Scheduling Module by Using Fuzzy-AHP. 2019 , | | |
| 147 | Linking Scheduling Criteria to Shop Floor Performance in Permutation Flowshops. 2019 , 12, 263 | | 1 |
| 146 | . 2019, | | |
| 145 | Integrated optimisation on flow-shop production with cutting stock. 2019 , 57, 5996-6012 | | 7 |
| 144 | An improved water wave optimization algorithm with the single wave mechanism for the no-wait flow-shop scheduling problem. 2019 , 51, 1727-1742 | | 22 |
| 143 | Quantum-inspired cuckoo co-search algorithm for no-wait flow shop scheduling. 2019 , 49, 791-803 | | 12 |
| 142 | Improved bounded dynamic programming algorithm for solving the blocking flow shop problem. 2019 , 27, 15-38 | | 10 |
| | 2015, 27, 13 30 | | |
| 141 | Fuzzy set based multi-objective optimization for eight-rod mechanism via sensitivity analysis. 2019 , 233, 333-343 | | 1 |
| 141 | Fuzzy set based multi-objective optimization for eight-rod mechanism via sensitivity analysis. 2019 , | | 1 13 |

| 138 | Model and algorithm for bilevel multisized terminal location-routing problem for the last mile delivery. 2019 , 26, 131-156 | | 25 |
|-----|---|-----|-----|
| 137 | Mixed integer linear programming models for Flow Shop Scheduling with a demand plan of job types. 2020 , 28, 5-23 | | 5 |
| 136 | Multiobjective PSO Algorithm with Multi-directional Convergence Strategy to Solve Flow Shop Scheduling Problems. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 750-759 | 0.4 | О |
| 135 | Energy-efficient flexible flow shop scheduling with worker flexibility. 2020 , 141, 112902 | | 45 |
| 134 | Reducing waste in manufacturing operations: bi-objective scheduling on a single-machine with coupled-tasks. 2020 , 58, 7130-7148 | | 2 |
| 133 | COVID-19 Outbreak Prediction with Machine Learning. 2020 , 13, 249 | | 112 |
| 132 | A hybrid model for mix-bank buffer content determination in automobile industry. 2020 , 14, 544 | | 1 |
| 131 | A modified teaching learning metaheuristic algorithm with opposite-based learning for permutation flow-shop scheduling problem. 2020 , 1 | | 6 |
| 130 | The Hybrid Ant Lion Optimization Flow Shop Scheduling Problem for Minimizing Completion Time. 2020 , 1569, 022097 | | 1 |
| 129 | Domain knowledge based genetic algorithms for mobile robot path planning having single and multiple targets. 2020 , | | 10 |
| 128 | . 2020 , 28, 2772-2783 | | 65 |
| 127 | An Improved Discrete Migrating Birds Optimization Algorithm for the No-Wait Flow Shop Scheduling Problem. <i>IEEE Access</i> , 2020 , 8, 99380-99392 | 3.5 | 7 |
| 126 | A memetic algorithm with novel semi-constructive evolution operators for permutation flowshop scheduling problem. 2020 , 94, 106458 | | 13 |
| 125 | Solving Permutation Flow Shop Scheduling Problem with Sequence-Independent Setup Time. 2020 , 2020, 1-11 | | 15 |
| 124 | Simulation of the round insert face milling process of AISI 316LN stainless steel with machining-based plastic behavior modeling. 2021 , 235, 443-454 | | 1 |
| 123 | A genetic programming hyper-heuristic for the distributed assembly permutation flow-shop scheduling problem with sequence dependent setup times. 2021 , 60, 100807 | | 14 |
| 122 | Surgery scheduling in outpatient procedure centre with re-entrant patient flow and fuzzy service times. 2021 , 102, 102350 | | 5 |
| 121 | Iterated Local Search and Other Algorithms for Buffered Two-Machine Permutation Flow Shops with Constant Processing Times on One Machine. 2020 , 1-25 | | 1 |

(2021-2021)

A multiprocess Salp swarm optimization with a heuristic based on crossing partial solutions. **2021**, 179, 440-447

| 119 | The Genetic Algorithm. 2021 , 790-810 | | |
|-----|---|-----|----|
| 118 | Solving the Permutation Heijunka Flow Shop Scheduling Problem with Non-unit Demands for Jobs. Lecture Notes in Computer Science, 2021, 170-181 | 0.9 | |
| 117 | An Improved Evolution Strategy Hybridization With Simulated Annealing for Permutation Flow Shop Scheduling Problems. <i>IEEE Access</i> , 2021 , 9, 94505-94522 | 3.5 | 6 |
| 116 | Multi-threaded Spotted Hyena Optimizer with thread-crossing techniques. 2021 , 179, 432-439 | | 1 |
| 115 | A Simple and Effective Approach for Tackling the Permutation Flow Shop Scheduling Problem. 2021 , 9, 270 | | 10 |
| 114 | New Heuristics to Minimize Makespan of Permutation Flowshop Scheduling Problem with Uniformly Distributed Processing Times. 2021 , 395-404 | | |
| 113 | Minimizing the Makespan in Flowshop Scheduling for Sustainable Rubber Circular Manufacturing. 2021 , 13, 2576 | | 1 |
| 112 | An Effective Decomposition-Based Stochastic Algorithm for Solving the Permutation Flow-Shop Scheduling Problem. 2021 , 14, 112 | | 3 |
| 111 | Solution for flow shop scheduling problems using chaotic hybrid firefly and particle swarm optimization algorithm with improved local search. 2021 , 25, 7143-7154 | | 5 |
| 110 | Resource-Constrained Scheduling for Multi-Robot Cooperative Three-Dimensional Printing. 2021 , 143, | | 2 |
| 109 | Research on assembly line scheduling based on small population adaptive genetic algorithm. 2021, | | О |
| 108 | Multimodal Optimization of Permutation Flow-Shop Scheduling Problems Using a Clustering-Genetic-Algorithm-Based Approach. 2021 , 11, 3388 | | 5 |
| 107 | Profit optimization for multi-mode repetitive construction project with cash flows using metaheuristics. 2021 , 21, 1 | | 4 |
| 106 | A Local Search-Based Generalized Normal Distribution Algorithm for Permutation Flow Shop Scheduling. 2021 , 11, 4837 | | 4 |
| 105 | Metaheuristic algorithms for the two-machine flowshop scheduling problem with release dates and blocking constraint. 2021 , 44, 573-582 | | 3 |
| 104 | A Hybrid Discrete Bacterial Memetic Algorithm with Simulated Annealing for Optimization of the Flow Shop Scheduling Problem. 2021 , 13, 1131 | | 1 |
| 103 | The tiebreaking space of constructive heuristics for the permutation flowshop minimizing makespan. 2021 , | | |

| 102 | Exact and heuristic procedures for the Heijunka-flow shop scheduling problem with minimum makespan and job replicas. 2021 , 10, 465 | | 1 |
|-----|---|--------------|----|
| 101 | Computational Intelligence, Machine Learning and Deep Learning Techniques for Effective Future Predictions of COVID-19: A Review. 2022 , 379-402 | | O |
| 100 | Developing an optimized metasurface for light trapping in thin-film solar cells using a deep neural network and a genetic algorithm. 2021 , 38, 2728 | | 2 |
| 99 | An energy aware grouping memetic algorithm to schedule the sensing activity in WSNs-based IoT for smart cities. 2021 , 108, 107473 | | 7 |
| 98 | Unmanned driving intelligent algorithm simulation platform. 2021 , 297-341 | | |
| 97 | . IEEE Access, 2021 , 9, 44825-44839 | 3.5 | 3 |
| 96 | Job-Shop Scheduling by GA. A New Crossover Operator. 2006 , 715-720 | | 1 |
| 95 | Parallel Genetic Algorithm for a Flow-Shop Problem with Multiprocessor Tasks. <i>Lecture Notes in Computer Science</i> , 2003 , 987-997 | 0.9 | 2 |
| 94 | Parallel Genetic Algorithm for a Flow-Shop Problem with Multiprocessor Tasks. <i>Lecture Notes in Computer Science</i> , 2003 , 548-559 | 0.9 | 2 |
| 93 | An Evolutionary Algorithm for the Sequence Coordination in Furniture Production. <i>Lecture Notes in Computer Science</i> , 2001 , 91-106 | 0.9 | 4 |
| 92 | Multirecombinated Evolutionary Algorithms for the Flow Shop Scheduling Problem. <i>Lecture Notes in Computer Science</i> , 2000 , 263-272 | 0.9 | 4 |
| 91 | Requirements of the Cornell Theory Center for resource management and process scheduling. <i>Lecture Notes in Computer Science</i> , 1995 , 304-318 | 0.9 | 3 |
| 90 | Cost Based Operator Rate Adaptation: An investigation. Lecture Notes in Computer Science, 1996 , 461-4 | 69 .9 | 9 |
| 89 | Genetic Algorithms. 2010 , 109-139 | | 42 |
| 88 | Genetic Algorithms for the Assembly Line Balancing Problem: A Real-World Automotive Application. 2002 , 319-327 | | 1 |
| 87 | Tackling Complex Job Shop Problems Using Operation Based Scheduling. 1998 , 45-58 | | 3 |
| 86 | Scheduling Unrelated Parallel Machines with Sequence Dependent Setup Times and Weighted Earliness Mardiness Minimization. <i>Springer Optimization and Its Applications</i> , 2012 , 67-90 | 0.4 | 2 |
| 85 | A Discrete Particle Swarm Optimization Algorithm for the Permutation Flowshop Sequencing Problem with Makespan Criterion. 2007 , 19-31 | | 7 |

(2015-2015)

| 84 | Fitness Landscape of the Factoradic Representation on the Permutation Flowshop Scheduling Problem. <i>Lecture Notes in Computer Science</i> , 2015 , 151-164 | 4 |
|----------------------|---|---|
| 83 | Towards Golden Rule of Capital Accumulation: A Genetic Algorithm Approach. <i>Lecture Notes in</i> O.9 O.9 | 8 |
| 82 | Optimization Spiking Neural P System for Solving TSP. 2018 , 668-676 | 3 |
| 81 | Encoding Bounded-Diameter Spanning Trees with Permutations and with Random Keys. <i>Lecture Notes in Computer Science</i> , 2004 , 1272-1281 | 9 |
| 80 | Multirecombined Evolutionary Algorithm Inspired in the Selfish Gene Theory to Face the Weighted Tardiness Scheduling Problem. <i>Lecture Notes in Computer Science</i> , 2004 , 809-819 | 2 |
| 79 | Landscapes, Embedded Paths and Evolutionary Scheduling. 2007, 31-48 | 2 |
| 78 | Hybrid Evolutionary Algorithm for Flowtime Minimisation in No-Wait Flowshop Scheduling. 2007, 1099-1109 | 10 |
| 77 | Quantum-inspired genetic algorithms for flow shop scheduling. 2008 , 17-56 | 2 |
| 76 | Forward Backward Transformation. 2009 , 35-80 | 9 |
| 75 | Scheduling in Flowshops with No-Idle Machines. 2009 , 21-51 | 19 |
| 74 | Multi-objective Simulated Annealing for Permutation Flow Shop Problems. 2009, 101-150 | 4 |
| | | |
| 73 | An Estimation of Distribution Algorithm for Minimizing the Makespan in Blocking Flowshop Scheduling Problems. 2009 , 151-167 | 5 |
| 73 72 | | 5 |
| | Scheduling Problems. 2009, 151-167 A Scatter Search Method for Multiobjective Fuzzy Permutation Flow Shop Scheduling Problem: A | |
| 72 | A Scatter Search Method for Multiobjective Fuzzy Permutation Flow Shop Scheduling Problem: A Real World Application. 2009 , 169-189 | 6 |
| 7 ² | A Scatter Search Method for Multiobjective Fuzzy Permutation Flow Shop Scheduling Problem: A Real World Application. 2009, 169-189 Scheduling Practice and Recent Developments in Flow Shop and Job Shop Scheduling. 2009, 261-300 | 5 |
| 7 ² 71 70 | A Scatter Search Method for Multiobjective Fuzzy Permutation Flow Shop Scheduling Problem: A Real World Application. 2009, 169-189 Scheduling Practice and Recent Developments in Flow Shop and Job Shop Scheduling. 2009, 261-300 Genetic Algorithms for Manufacturing Process Planning. 2012, 205-244 | 652 |

| 66 | An Evolutionary/Meta-Heuristic Approach to Emergency Resource Redistribution in the Developing World. 1998 , 329-332 | | 3 |
|----|--|-----|----|
| 65 | Decision-making for multi-criteria optimization of process planning. 2019 , 20, 806 | | 2 |
| 64 | COVID-19 Outbreak Prediction with Machine Learning. | | 5 |
| 63 | Heuristics for the No-Wait Flow Shop Problem with Makespan Criterion. 2009 , 31, 1147-1154 | | 3 |
| 62 | Improved Artificial Immune Algorithm and its application on the Permutation Flow Shop Sequencing Problems. 2007 , 6, 929-933 | | 5 |
| 61 | The Genetic Algorithm. 2019 , 154-178 | | 2 |
| 60 | Migrating Birds Optimization for Flow Shop Sequencing Problem. 2014 , 02, 142-147 | | 16 |
| 59 | Flow shop scheduling decisions through Techniques for Order Preference by Similarity to an Ideal Solution (TOPSIS). 2016 , 4, 43 | | 3 |
| 58 | A Robust Expected Makespan for Permutation Flow Shop Scheduling Depending on Machine Failure Rate. 2021 , 6, 1345-1360 | | |
| 57 | A New Genetic Representation and Common Cluster Crossover for Job Shop Scheduling Problems. <i>Lecture Notes in Computer Science</i> , 2000 , 300-309 | 0.9 | |
| 56 | Scheduling in Flow and Open Shops. 2001 , 247-272 | | |
| 55 | Sequencing and Scheduling for Non-Serial Permutation Flowshops. 2002 , 21-40 | | |
| 54 | A Genetic-Based Optimization Model for Clustered Node Allocation System in a Distributed Environment. 2003 , 10A, 15-24 | | |
| 53 | Connected Korean Digit Speech Recognition Using Vowel String and Number of Syllables. 2003 , 10A, 1-6 | | |
| 52 | Three Evolutionary Codings of Rectilinear Steiner Arborescences. <i>Lecture Notes in Computer Science</i> , 2004 , 1282-1291 | 0.9 | 1 |
| 51 | BIBLIOGRAPHY. 2005 , 575-631 | | |
| 50 | Metaheuristics. 2005 , 10-1-10-13 | | 3 |
| | | | |

UPlanIT: An Evolutionary Based Production Planning and Scheduling System. 2008, 443-452 48 Structural Property and Meta-heuristic for the Flow Shop Scheduling Problem. 2009, 1-20 47 Parallel Hybrid Metaheuristics for the Scheduling with Fuzzy Processing Times. Lecture Notes in 0.9 46 Computer Science, 2010, 379-386 A Hybrid Differential Evolution Algorithm for Stochastic Flow Shop Scheduling with Limited 45 Buffers. 2010, 35, 1580-1585 Biomimetic Optimizers for Job Scheduling. Lecture Notes in Computer Science, 2012, 195-202 0.9 44 Round-Table Group Optimization for Sequencing Problems. 2012, 3, 1-24 43 Metaheuristics. 2013, 1087-1102 42 41 Approximate Algorithms. 2014, 217-259 Scheduling in Flow and Open Shops. 1996, 249-274 40 Maschinenbelegungsplanung. Springer-Lehrbuch, 1997, 279-446 39 0.4 1 A Genetic Algorithm-Based Multiple Characteristics Grouping Strategy for Collaborative Learning. 38 0.9 4 Lecture Notes in Computer Science, 2015, 11-22 Optimizing Job Scheduling in Federated Grid System. Lecture Notes in Networks and Systems, 2017, 97-1045 37 An Incorporation of the Fuzzy Greedy Search Heuristic With Evolutionary Approaches for Combinatorial Optimization in Operations Management. International Journal of Applied 36 0.6 0 Evolutionary Computation, 2017, 8, 58-72 Smart Production by Integrating Product-Mix Planning and Revenue Management for 35 0.4 Semiconductor Manufacturing. Springer Optimization and Its Applications, 2019, 129-164 Efficient Strategy based on Improved Biogeography-based Algorithm for Inventory Routing 0.1 34 problem. Journal of Geospatial Information Technology, **2019**, 7, 169-191 CSO to Solve the Shop Scheduling Problem: Survey. Advances in Intelligent Systems and Computing, 0.4 33 **2020**, 34-44 Diversity of Processing Times in Permutation Flow Shop Scheduling Problems. Operations Research 0.1 32 Proceedings: Papers of the Annual Meeting = Vortrige Der Jahrestagung / DGOR, 2020, 555-561 Design of a Hybrid Genetic Algorithm for Time-Sensitive Networking. Lecture Notes in Computer 6 31 0.9 Science, 2020, 99-117

| 30 | OUP accepted manuscript. Journal of Computational Design and Engineering, | 4.6 | 0 |
|----|---|-----------------|---|
| 29 | A Memetic Algorithm with Parallel Local Search for Flowshop Scheduling Problems. <i>Lecture Notes in Computer Science</i> , 2020 , 201-213 | 0.9 | 1 |
| 28 | An Enhanced Discrete Human Learning Optimization for Permutation Flow Shop Scheduling Problem. <i>Communications in Computer and Information Science</i> , 2021 , 245-257 | 0.3 | |
| 27 | Multicriteria Flow-Shop Scheduling Problem. <i>Advances in Business Information Systems and Analytics</i> Book Series, 211-233 | 0.4 | 1 |
| 26 | An Efficient Flow-Shop Scheduling Algorithm Based on a Hybrid Particle Swarm Optimization Model. 2007 , 303-312 | | 0 |
| 25 | Automatic generation of iterated greedy algorithms for the non-permutation flow shop scheduling problem with total completion time minimization. <i>Computers and Industrial Engineering</i> , 2022 , 163, 107 | 8 43 | 2 |
| 24 | Research on Multi-objective Fuzzy Flexible Job-Shop Scheduling Based on Cloud Computinger. 2020 , | | 0 |
| 23 | A computational efficient optimization of flow shop scheduling problems <i>Scientific Reports</i> , 2022 , 12, 845 | 4.9 | 1 |
| 22 | An Effective Optimization Approach to Minimize Waste in a Complex Industrial System. <i>IEEE Access</i> , 2022 , 10, 13997-14012 | 3.5 | |
| 21 | Discrete differential evolution metaheuristics for permutation flow shop scheduling problems. <i>Computers and Industrial Engineering</i> , 2022 , 166, 107956 | 6.4 | 5 |
| 20 | Accurate Air-Quality Prediction Using Genetic-Optimized Gated-Recurrent-Unit Architecture. <i>Information (Switzerland)</i> , 2022 , 13, 223 | 2.6 | |
| 19 | Multiobjective Genetic Algorithm for Class Testing using OCL Class Contract Specifications: A Framework. <i>Scientific Programming</i> , 2022 , 2022, 1-11 | 1.4 | |
| 18 | Genetic algorithm based hyper-parameters optimization for transfer convolutional neural network. 2022 , | | 0 |
| 17 | An Integrated Intelligent Computation for Complex Problems in Engineering Management. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 2022 , 1-29 | 0.3 | |
| 16 | Fire and manoeuvrer optimizer for flow shop scheduling problems. | | |
| 15 | Ambulance location under temporal variation in demand using a mixed coded memetic algorithm. | | |
| 14 | An effective hybrid crow search algorithm for energy-efficient flow shop scheduling. 2022, | | 0 |
| 13 | Genetic algorithms and other heuristic techniques in power systems optimization. 2023 , 41-95 | | O |

CITATION REPORT

| 12 | Scheduling and batching with evolutionary algorithms in simulation optimization of an industrial formulation plant. 2022 , 174, 108760 | О |
|----|---|---|
| 11 | Novel XAI techniques for explaining GA applications in job scheduling. | О |
| 10 | An Improved Artificial Bee Colony Algorithm With \$Q\$-Learning for Solving Permutation Flow-Shop Scheduling Problems. 2022 , 1-10 | 1 |
| 9 | A Novel Hybrid Multi-Verse Optimizer Algorithm for Energy-Efficient Permutation Flow Shop Scheduling Problem. 2022 , 2394, 012006 | O |
| 8 | Exploiting Stacked Autoencoders for Improved Sentiment Analysis. 2022 , 12, 12380 | 2 |
| 7 | Patching Weak Convolutional Neural Network Models through Modularization and Composition. 2022 , | O |
| 6 | A Novel Parallel Simulated Annealing Methodology to Solve the No-Wait Flow Shop Scheduling Problem with Earliness and Tardiness Objectives. 2023 , 11, 454 | 1 |
| 5 | Applications of XAI to Job Sequencing and Scheduling in Manufacturing. 2023, 83-105 | O |
| 4 | An Improved Black Widow Optimization Algorithm for Engineering Constrained Optimization Problems. 2023 , 11, 32476-32495 | O |
| 3 | Investigation of research trends in educational technologies based on scientometric method (1965\(\textbf{Q}\) 020): a cross-comparative study between publications from the world and the UK. | O |
| 2 | Makespan minimization of the open shop problem with conflict graph. 2023, 106247 | 0 |
| 1 | A comparative analysis of SAMP-Jaya and simple Jaya algorithms for PFSSP (permutation flow shop scheduling problems). | O |