

The Complexity of Flowshop and Jobshop Scheduling

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Citation Report

#	ARTICLE	IF	CITATIONS
1	ON THE COMPUTATIONAL EFFICIENCY OF BRANCH-AND-BOUND ALGORITHMS. Journal of the Operations Research Society of Japan, 1977, 20, 16-35.	0.3	10
2	On the Complexity of Mean Flow Time Scheduling. Mathematics of Operations Research, 1977, 2, 320-330.	0.8	48
3	Two-Processor Scheduling with Start-Times and Deadlines. SIAM Journal on Computing, 1977, 6, 416-426.	0.8	204
4	Complexity of Machine Scheduling Problems. Annals of Discrete Mathematics, 1977, 1, 343-362.	1.4	1,569
5	Complexity Results for Bandwidth Minimization. SIAM Journal on Applied Mathematics, 1978, 34, 477-495.	0.8	249
6	~ Strong " NP-Completeness Results. Journal of the ACM, 1978, 25, 499-508.	1.8	508
7	A General Bounding Scheme for the Permutation Flow-Shop Problem. Operations Research, 1978, 26, 53-67.	1.2	205
8	Complexity of Scheduling under Precedence Constraints. Operations Research, 1978, 26, 22-35.	1.2	464
9	Computational Complexity of Discrete Optimization Problems. Annals of Discrete Mathematics, 1979, 4, 121-140.	1.4	219
10	NP-Complete operations research problems and approximation algorithms. Zeitschrift Fuer Operations-Research, Serie B: Praxis, 1979, 23, 73-94.	0.3	7
11	Optimization and Approximation in Deterministic Sequencing and Scheduling: a Survey. Annals of Discrete Mathematics, 1979, 5, 287-326.	1.4	4,344
12	Scheduling coupled tasks. Naval Research Logistics Quarterly, 1980, 27, 489-498.	0.4	48
13	An adaptive branching rule for the permutation flow-shop problem. European Journal of Operational Research, 1980, 5, 19-25.	3.5	74
14	Job Scheduling in a Single-Node Hierarchical Network for Process Control. IEEE Transactions on Computers, 1980, C-29, 710-719.	2.4	4
15	Scheduling: Bibliography & Review. International Journal of Physical Distribution & Materials Management, 1980, 10, 103-132.	0.1	10
16	A new continuous model for job-shop scheduling. International Journal of Systems Science, 1981, 12, 1469-1475.	3.7	48
17	An implicit enumeration scheme for the flowshop problem with no intermediate storage. Computers and Chemical Engineering, 1981, 5, 83-91.	2.0	35
18	On J -maximal and J -minimal Flow-Shop Schedules. Journal of the ACM, 1981, 28, 462-476.	1.8	18

#	ARTICLE	IF	CITATIONS
19	Minimizing the Expected Makespan in Stochastic Flow Shops. <i>Operations Research</i> , 1982, 30, 148-162.	1.2	112
20	Scheduling the Open Shop to Minimize Mean Flow Time. <i>SIAM Journal on Computing</i> , 1982, 11, 709-720.	0.8	67
21	Complexity and Solutions of Some Three-Stage Flow Shop Scheduling Problems. <i>Mathematics of Operations Research</i> , 1982, 7, 532-544.	0.8	15
22	Stochastic Shop Scheduling: A Survey. , 1982, , 181-196.		51
23	Recent Developments in Deterministic Sequencing and Scheduling: A Survey. , 1982, , 35-73.		202
24	Flowshop/no-idle or no-wait scheduling to minimize the sum of completion times. <i>Naval Research Logistics Quarterly</i> , 1982, 29, 495-504.	0.4	130
25	A note on the influence of missing operations on scheduling problems. <i>Naval Research Logistics Quarterly</i> , 1982, 29, 535-539.	0.4	15
26	Surrogate duality relaxation for job shop scheduling. <i>Discrete Applied Mathematics</i> , 1983, 5, 65-75.	0.5	45
27	The Flow-Shop Problem with Mean Completion Time Criterion. <i>IIE Transactions</i> , 1983, 15, 172-176.	2.1	17
28	Route-Dependent Open-Shop Scheduling. <i>IIE Transactions</i> , 1983, 15, 231-234.	2.1	13
29	Openshop and flowshop scheduling to minimize sum of completion times. <i>Computers and Operations Research</i> , 1984, 11, 275-284.	2.4	37
30	V-shop scheduling. <i>European Journal of Operational Research</i> , 1984, 18, 51-56.	3.5	22
31	The decision to adopt new technologyâ€™Effects on organizational size. <i>Omega</i> , 1984, 12, 353-361.	3.6	5
32	Some new results in flow shop scheduling. <i>Zeitschrift Fuer Operations-Research, Serie B: Praxis</i> , 1984, 28, 1-16.	0.3	42
33	Decomposition approaches in permutation scheduling problems with application to the M-machine flow shop scheduling problems. <i>European Journal of Operational Research</i> , 1985, 19, 125-141.	3.5	12
34	Sequencing a generalized two-stage flowshop with finite intermediate storage. <i>Computers and Chemical Engineering</i> , 1985, 9, 207-221.	2.0	10
35	Three-machine flowshop stochastic scheduling to minimize distribution of schedule length. <i>Naval Research Logistics Quarterly</i> , 1985, 32, 179-183.	0.4	10
36	SEQUENCING CONTROL OF PHYSICOâ€™CHEMICAL PROCESSES. <i>Kybernetes</i> , 1986, 15, 157-164.	1.2	1

#	ARTICLE	IF	CITATIONS
37	Some no-wait shops scheduling problems: Complexity aspect. European Journal of Operational Research, 1986, 24, 424-438.	3.5	82
40	Throughput maximization in short cycle automated manufacturing. , 0, , .		0
41	Scheduling for Mill-Wide: A Simulation Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1987, 20, 241-246.	0.4	0
42	Flow Shop Scheduling with Controllable Operation Processing Times. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1987, 20, 533-536.	0.4	1
43	Generating improved dominance conditions for the flowshop problem. Computers and Operations Research, 1987, 14, 41-45.	2.4	7
44	T?roughput Rate Maximization In Flexible Manufacturing Cells. IIE Transactions, 1988, 20, 409-417.	2.1	8
45	A practical approach to scheduling a multistage, multiprocessor flow-shop problem. International Journal of Production Research, 1989, 27, 1733-1742.	4.9	9
46	Simulated annealing for permutation flow-shop scheduling. Omega, 1989, 17, 551-557.	3.6	529
47	Minimization of resource consumption under a given deadline in the two-processor flow-shop scheduling problem. Information Processing Letters, 1989, 32, 101-112.	0.4	32
48	Scheduling in a manufacturing shop with sequence-dependent setups. Robotics and Computer-Integrated Manufacturing, 1989, 5, 73-81.	6.1	37
49	Scheduling algorithms for flexible flowshops: Worst and average case performance. European Journal of Operational Research, 1989, 43, 143-160.	3.5	168
50	A new integer programming formulation for the permutation flowshop problem. European Journal of Operational Research, 1989, 40, 90-98.	3.5	14
51	An algorithm for the solution of the two-route Johnson problem. Cybernetics and Systems Analysis, 1989, 24, 336-343.	0.0	0
52	A pattern-directed approach to flexible manufacturing: A framework for intelligent scheduling, learning, and control. Flexible Services and Manufacturing Journal, 1989, 2, 121.	0.4	15
53	Efficient optimization algorithms for zero-wait scheduling of multiproduct batch plants. Industrial & Engineering Chemistry Research, 1989, 28, 1333-1345.	1.8	44
54	Scheduling of a Two-machine Flowshop with Processing Time Linearly Dependent on Job Waiting-time. Journal of the Operational Research Society, 1989, 40, 907-921.	2.1	23
55	Inhomogeneous deterministic two-stage queueing systems. Cybernetics and Systems Analysis, 1990, 25, 391-399.	0.0	0
56	Cyclic sequencing problems in the two-machine permutation flow shop: Complexity, worst-case, and average-case analysis. Naval Research Logistics, 1990, 37, 679-694.	1.4	44

#	ARTICLE	IF	CITATIONS
57	Flowshop sequencing problems with limited buffer storage. International Journal of Production Research, 1990, 28, 2085-2100.	4.9	154
58	Schedule generation in a dynamic job shop. International Journal of Production Research, 1990, 28, 65-74.	4.9	27
59	Algorithms for end-to-end scheduling to meet deadlines. , 0, , .		16
60	Cyclic job shop scheduling using reservation tables. , 0, , .		5
62	ON AN AUTOMATED TWO-MACHINE FLOWSHOP SCHEDULING PROBLEM WITH INFINITE BUFFER. Journal of the Operations Research Society of Japan, 1991, 34, 354-361.	0.3	51
63	Algorithms for Flow-Shop Scheduling to Meet Deadlines. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1991, 24, 133-137.	0.4	1
64	Integrated decision making in a flexible assembly system: a new approach for operational control. Production Planning and Control, 1991, 2, 242-256.	5.8	3
65	Motion planning for multiple robots with multi-mode operations via disjunctive graphs. Robotica, 1991, 9, 393-408.	1.3	5
66	Two-Machine Super-Shop Scheduling Problem. Journal of the Operational Research Society, 1991, 42, 479-492.	2.1	31
67	A Crane Scheduling Problem in a Computer-Integrated Manufacturing Environment. Management Science, 1991, 37, 587-606.	2.4	46
68	Integrating Scheduling with Batching and Lot-Sizing: A Review of Algorithms and Complexity. Journal of the Operational Research Society, 1992, 43, 395-406.	2.1	355
69	End-to-end scheduling to meet deadlines in distributed systems. , 0, , .		70
70	Application of an inherently parallel heuristic methodology to flow-shop scheduling. , 0, , .		3
71	A decision support system for packaging lines in food industry. , 1992, , 20-27.		0
72	The "Orchard" scheduler for manufacturing systems. International Journal of Production Economics, 1992, 28, 47-70.	5.1	8
73	An effective heuristic for flow shop problems with total flow time as criterion. Computers and Industrial Engineering, 1993, 25, 219-222.	3.4	20
74	Two-machine group scheduling problem with blocking and anticipatory setups. European Journal of Operational Research, 1993, 69, 467-481.	3.5	44
75	Planning and scheduling packaging lines in food industry. European Journal of Operational Research, 1993, 70, 150-158.	3.5	30

#	ARTICLE	IF	CITATIONS
76	Heuristic algorithm for scheduling in a flowshop to minimize total flowtime. International Journal of Production Economics, 1993, 29, 65-73.	5.1	166
77	Scheduling in a Management Context: Uncertain Processing Times and Non-Regular Performance Measures. Decision Sciences, 1993, 24, 1085-1108.	3.2	13
78	Scheduling heuristic for the n-jobm-machine flow shop. Omega, 1993, 21, 229-234.	3.6	32
79	A tabu-search heuristic for the flexible-resource flow shop scheduling problem. Annals of Operations Research, 1993, 41, 207-230.	2.6	29
80	Applying tabu search to the job-shop scheduling problem. Annals of Operations Research, 1993, 41, 231-252.	2.6	463
81	Developing manufacturing control software: A survey and critique. Flexible Services and Manufacturing Journal, 1993, 5, 53-88.	0.4	16
82	Chapter 9 Sequencing and scheduling: Algorithms and complexity. Handbooks in Operations Research and Management Science, 1993, 4, 445-522.	0.6	654
83	Addressing the gap in scheduling research: a review of optimization and heuristic methods in production scheduling. International Journal of Production Research, 1993, 31, 59-79.	4.9	279
84	An ecosystems model for integrated production planning. International Journal of Computer Integrated Manufacturing, 1993, 6, 74-86.	2.9	23
85	Minimizing the Makespan in the 3-Machine Assembly-Type Flowshop Scheduling Problem. Management Science, 1993, 39, 616-625.	2.4	256
86	A Dynamic Lookahead Dispatching Rule in a Flexible Flow Line for Automobile Assembly. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1993, 26, 493-496.	0.4	4
87	The Total Tardiness Problem: Review and Extensions. Operations Research, 1994, 42, 1025-1041.	1.2	206
88	Flow Shop Scheduling with Resource Flexibility. Operations Research, 1994, 42, 504-522.	1.2	71
89	Heuristics for scheduling flexible flow lines. Computers and Industrial Engineering, 1994, 26, 27-34.	3.4	28
90	On non-permutation solutions to some two machine flow shop scheduling problems. Zeitschrift Fuer Operations-Research, Serie B: Praxis, 1994, 39, 305-319.	0.3	3
91	Two-machine ordered flowshop scheduling under random breakdowns. Mathematical and Computer Modelling, 1994, 20, 9-17.	2.0	34
92	An effective heuristic method for generalized job shop scheduling with due dates. Computers and Industrial Engineering, 1994, 26, 647-660.	3.4	9
93	A heuristic for scheduling in flowshop and flowline-based manufacturing cell with multi-criteria. International Journal of Production Research, 1994, 32, 2541-2558.	4.9	68

#	ARTICLE	IF	CITATIONS
94	Chapter 8 Chemical batch process scheduling. <i>Data Handling in Science and Technology</i> , 1995, 15, 181-203.	3.1	0
95	A Branch-and-Bound Approach for a Two-machine Flowshop Scheduling Problem. <i>Journal of the Operational Research Society</i> , 1995, 46, 721-734.	2.1	73
96	A genetic algorithm for the job shop problem. <i>Computers and Operations Research</i> , 1995, 22, 15-24.	2.4	321
97	Heuristics for scheduling in flowshop with multiple objectives. <i>European Journal of Operational Research</i> , 1995, 82, 540-555.	3.5	157
98	An application of genetic algorithms for flow shop problems. <i>European Journal of Operational Research</i> , 1995, 80, 389-396.	3.5	209
99	Flowshop sequencing with mean flowtime objective. <i>European Journal of Operational Research</i> , 1995, 81, 571-578.	3.5	79
100	Minimizing total tardiness in permutation flowshops. <i>European Journal of Operational Research</i> , 1995, 85, 541-555.	3.5	81
101	Job-shop scheduling: Computational study of local search and large-step optimization methods. <i>European Journal of Operational Research</i> , 1995, 83, 347-364.	3.5	131
102	A hierarchical approach for the FMS scheduling problem. <i>European Journal of Operational Research</i> , 1995, 86, 32-42.	3.5	79
103	An efficient algorithm for a job shop problem. <i>Annals of Operations Research</i> , 1995, 57, 203-216.	2.6	9
104	Asymptotic optimality of statistical multiplexing in pipelined processing. <i>Queueing Systems</i> , 1995, 21, 97-123.	0.6	0
105	Problema de programaĂo da produĂo um esquema de classificaĂo. <i>Production</i> , 1995, 5, 145-168.	1.3	1
106	A new scheduling algorithm based on approximate reasoning for manufacturing applications. , 0, , .		0
107	An inherently parallel method for heuristic problem-solving. II. Example applications. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 1995, 6, 1016-1028.	4.0	3
108	Scheduling multi-purpose batch plants with junction constraints. <i>International Journal of Production Research</i> , 1996, 34, 525-541.	4.9	9
109	A Note on Heuristics of Flow-Shop Scheduling. <i>Operations Research</i> , 1996, 44, 648-652.	1.2	22
110	Scheduling to minimize total weighted completion time: Performance guarantees of LP-based heuristics and lower bounds. <i>Lecture Notes in Computer Science</i> , 1996, , 301-315.	1.0	82
111	Job shop scheduling: an experimental investigation of the performance of alternative scheduling rules. <i>Production Planning and Control</i> , 1996, 7, 47-56.	5.8	15

#	ARTICLE	IF	CITATIONS
112	UET flow shop scheduling with delays. RAIRO - Theoretical Informatics and Applications, 1996, 30, 23-30.	0.5	4
113	Mean Flow Time Minimization in Reentrant Job Shops with a Hub. Operations Research, 1996, 44, 764-776.	1.2	58
114	Ranking Dispatching Rules by Data Envelopment Analysis in a Job Shop Environment. IIE Transactions, 1996, 28, 631-642.	2.1	67
115	A New Heuristic for Three-Machine Flow Shop Scheduling. Operations Research, 1996, 44, 891-898.	1.2	56
116	A comparison of local search methods for flow shop scheduling. Annals of Operations Research, 1996, 63, 489-509.	2.6	28
117	Heuristics for permutation flow shop scheduling with batch setup times. OR Spectrum, 1996, 18, 67-80.	2.1	17
118	Sevast'yanov's algorithm for the flow-shop scheduling problem. European Journal of Operational Research, 1996, 91, 176-189.	3.5	16
119	An exchange heuristic imbedded with simulated annealing for due-dates job-shop scheduling. European Journal of Operational Research, 1996, 91, 99-117.	3.5	20
120	A computational study of constraint satisfaction for multiple capacitated job shop scheduling. European Journal of Operational Research, 1996, 90, 269-284.	3.5	96
121	The job shop scheduling problem: Conventional and new solution techniques. European Journal of Operational Research, 1996, 93, 1-33.	3.5	458
122	A tutorial survey of job-shop scheduling problems using genetic algorithmsâ€”I. representation. Computers and Industrial Engineering, 1996, 30, 983-997.	3.4	484
123	Three stage generalized flowshop: Scheduling civil engineering projects. Journal of Global Optimization, 1996, 9, 321-344.	1.1	8
124	Scheduling two-stage production lines with multiple machines. Production Planning and Control, 1996, 7, 418-429.	5.8	2
125	An asymptotic two-phase algorithm to minimize total flow time for a two-machine flowshop. International Journal of Systems Science, 1996, 27, 925-930.	3.7	7
126	A parallel multi-operation scheduling problem with machine order constraints. , 1997, , .		0
127	OPTIMAL SCHEDULING FOR AN AUTOMATED m-MACHINE FLOWSHOP. Journal of the Operations Research Society of Japan, 1997, 40, 356-372.	0.3	5
128	A Tabu search-based approach for scheduling job-shop type flexible manufacturing systems. Journal of the Operational Research Society, 1997, 48, 264-277.	2.1	26
129	Design of assembly systems for modular products. IEEE Transactions on Automation Science and Engineering, 1997, 13, 646-655.	2.4	60

#	ARTICLE	IF	CITATIONS
130	A simulated annealing heuristic for scheduling to minimize mean weighted tardiness in a flowshop with sequence-dependent setup times of jobs-a case study. <i>Production Planning and Control</i> , 1997, 8, 475-483.	5.8	53
131	An adaptable problem-space-based search method for flexible flow line scheduling. <i>IIE Transactions</i> , 1997, 29, 115-125.	2.1	76
132	Production scheduling in almost continuous time. <i>IIE Transactions</i> , 1997, 29, 391-398.	2.1	8
133	Minimizing the makespan in the two-machine flowshop scheduling problem with an availability constraint. <i>Operations Research Letters</i> , 1997, 20, 129-139.	0.5	166
134	The nature of simplicity of Johnson's algorithm. <i>Omega</i> , 1997, 25, 581-584.	3.6	5
135	An adaptable problem-space-based search method for flexible flow line scheduling. <i>IIE Transactions</i> , 1997, 29, 115-125.	2.1	18
136	Production scheduling in almost continuous time. <i>IIE Transactions</i> , 1997, 29, 391-398.	2.1	4
137	Title is missing!. <i>Annals of Operations Research</i> , 1997, 70, 281-306.	2.6	349
138	Shop scheduling problems under precedence constraints. <i>Annals of Operations Research</i> , 1997, 69, 351-377.	2.6	14
139	On the complexity of two machine job-shop scheduling with regular objective functions. <i>OR Spectrum</i> , 1997, 19, 5-10.	2.1	12
140	An experimental evaluation of heuristics for scheduling in a real-life flowshop with sequence-dependent setup times of jobs. <i>International Journal of Production Economics</i> , 1997, 49, 255-263.	5.1	51
141	A branch-and-bound algorithm with fuzzy inference for a permutation flowshop scheduling problem. <i>European Journal of Operational Research</i> , 1997, 96, 578-590.	3.5	25
142	An efficient heuristic for scheduling in a flowshop to minimize total weighted flowtime of jobs. <i>European Journal of Operational Research</i> , 1997, 103, 129-138.	3.5	148
143	A knowledge-based airport gate assignment system integrated with mathematical programming. <i>Computers and Industrial Engineering</i> , 1997, 32, 837-852.	3.4	51
144	A Tabu search approach to scheduling an automated wet etch station. <i>Journal of Manufacturing Systems</i> , 1997, 16, 102-116.	7.6	50
145	Two-stage flowshop scheduling with a common second-stage machine. <i>Computers and Operations Research</i> , 1997, 24, 1169-1174.	2.4	33
146	Constraint-Based Job Shop Scheduling with ILOG SCHEDULER. <i>Journal of Heuristics</i> , 1998, 3, 271-286.	1.1	53
147	Design and operational issues in AGV-served manufacturing systems. <i>Annals of Operations Research</i> , 1998, 76, 109-154.	2.6	168

#	ARTICLE	IF	CITATIONS
148	A polynomial algorithm for a two-machine no-wait job-shop scheduling problem. <i>European Journal of Operational Research</i> , 1998, 106, 101-107.	3.5	9
149	A tabu search approach to machine scheduling. <i>European Journal of Operational Research</i> , 1998, 106, 277-300.	3.5	27
150	Minimizing total weighted completion time in a proportionate flow shop. <i>Journal of Scheduling</i> , 1998, 1, 157-168.	1.3	51
151	Approximability of flow shop scheduling. <i>Mathematical Programming</i> , 1998, 82, 175-190.	1.6	54
152	A genetic algorithm for the flowshop scheduling problem. <i>Wuhan University Journal of Natural Sciences</i> , 1998, 3, 410-412.	0.2	0
153	Population monotonic allocation schemes on externality games. <i>Mathematical Methods of Operations Research</i> , 1998, 48, 71-80.	0.4	8
154	A survey of factory control algorithms that can be implemented in a multi-agent heterarchy: Dispatching, scheduling, and pull. <i>Journal of Manufacturing Systems</i> , 1998, 17, 297-320.	7.6	194
155	A heuristic algorithm for mean flowtime objective in flowshop scheduling. <i>Computers and Operations Research</i> , 1998, 25, 175-182.	2.4	103
156	A new constructive heuristic for the flowshop scheduling problem. <i>European Journal of Operational Research</i> , 1998, 105, 66-71.	3.5	123
157	Two-machine shop scheduling with zero and unit processing times. <i>European Journal of Operational Research</i> , 1998, 107, 378-388.	3.5	3
158	On the complexity of two-machine flowshop problems with due date related objectives. <i>European Journal of Operational Research</i> , 1998, 106, 95-100.	3.5	10
159	An application of a planning and scheduling multi-model approach in the chemical industry. <i>Computers in Industry</i> , 1998, 36, 209-229.	5.7	12
160	Structural Properties of Lot Streaming in a Flow Shop. <i>Mathematics of Operations Research</i> , 1998, 23, 624-639.	0.8	29
161	A Review of Machine Scheduling: Complexity, Algorithms and Approximability. , 1998, , 1493-1641.		115
162	Probabilistic Analysis and Practical Algorithms for the Flow Shop Weighted Completion Time Problem. <i>Operations Research</i> , 1998, 46, 872-882.	1.2	23
163	A Simple Heuristic for m-Machine Flow-Shop and its Applications in Routing-Scheduling Problems. <i>Operations Research</i> , 1999, 47, 165-170.	1.2	39
164	Heuristics for scheduling in flowshops and flowline-based manufacturing cells to minimize the sum of weighted flowtime and weighted tardiness of jobs. <i>Computers and Industrial Engineering</i> , 1999, 37, 671-690.	3.4	22
165	Scheduling flowshops with finite buffers and sequence-dependent setup times. <i>Computers and Industrial Engineering</i> , 1999, 36, 163-177.	3.4	50

#	ARTICLE	IF	CITATIONS
166	Minimizing the makespan in the two-machine no-wait flow-shop with limited machine availability. Computers and Industrial Engineering, 1999, 37, 497-500.	3.4	31
167	Two-machine flowshop scheduling with availability constraints. European Journal of Operational Research, 1999, 114, 420-429.	3.5	126
168	Deterministic job-shop scheduling: Past, present and future. European Journal of Operational Research, 1999, 113, 390-434.	3.5	609
169	A comparison of heuristic algorithms for flow shop scheduling problems with setup times and limited batch size. Mathematical and Computer Modelling, 1999, 29, 101-126.	2.0	33
170	Stochastically minimizing the makespan in two-machine flow shops without blocking. European Journal of Operational Research, 1999, 112, 304-309.	3.5	30
171	Theory and Methodology A bicriteria approach to the two-machine flow shop scheduling problem. European Journal of Operational Research, 1999, 113, 435-449.	3.5	71
172	Reduction of the Three-Partition Problem. Journal of Combinatorial Optimization, 1999, 3, 17-30.	0.8	4
173	A heuristic algorithm for two-machine reentrant shop scheduling. Annals of Operations Research, 1999, 86, 417-439.	2.6	28
174	A 2-machine sequencing problem with machine repetition and overlapping processing times. OR Spectrum, 1999, 21, 477-492.	2.1	1
175	Polynomial time approximation algorithms for machine scheduling: ten open problems. Journal of Scheduling, 1999, 2, 203-213.	1.3	107
176	Motion planning in R^3 for multiple tethered robots. IEEE Transactions on Automation Science and Engineering, 1999, 15, 623-639.	2.4	22
177	Ant Algorithms for Discrete Optimization. Artificial Life, 1999, 5, 137-172.	1.0	2,264
178	Comparison of Heuristics for Solving a Flowshop Problem. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 669-673.	0.4	0
179	On the Asymptotic Optimality of the SPT Rule for the Flow Shop Average Completion Time Problem. Operations Research, 2000, 48, 615-622.	1.2	30
180	Makespan minimization in the two-machine flowshop batch scheduling problem. Naval Research Logistics, 2000, 47, 128-144.	1.4	51
181	Scheduling for parallel dedicated machines with a single server. Naval Research Logistics, 2000, 47, 304-328.	1.4	62
182	Note: On the two-machine no-idle flowshop problem. Naval Research Logistics, 2000, 47, 353-358.	1.4	14
183	Effective neighbourhood functions for the flexible job shop problem. Journal of Scheduling, 2000, 3, 3-20.	1.3	398

#	ARTICLE	IF	CITATIONS
184	Non-bottleneck machines in three-machine flow shops. <i>Journal of Scheduling</i> , 2000, 3, 209-223.	1.3	6
185	A polynomial time approximation scheme for the two-stage multiprocessor flow shop problem. <i>Theoretical Computer Science</i> , 2000, 237, 105-122.	0.5	37
186	On the complexity of coordinated display of multimedia objects. <i>Theoretical Computer Science</i> , 2000, 242, 169-197.	0.5	1
187	A tabu search method guided by shifting bottleneck for the job shop scheduling problem. <i>European Journal of Operational Research</i> , 2000, 120, 297-310.	3.5	166
188	Complexity of mixed shop scheduling problems: A survey. <i>European Journal of Operational Research</i> , 2000, 120, 343-351.	3.5	45
189	On three-machine flow shops with random job processing times. <i>European Journal of Operational Research</i> , 2000, 125, 440-448.	3.5	22
190	Heuristics for the two-stage job shop scheduling problem with a bottleneck machine. <i>European Journal of Operational Research</i> , 2000, 123, 229-240.	3.5	17
191	Scheduling operations on parallel machine tools. <i>IIE Transactions</i> , 2000, 32, 449-460.	2.1	3
192	Scheduling of Time-Triggered Real-Time Systems. <i>Constraints</i> , 2000, 5, 335-357.	0.4	28
193	A permutation flow-shop scheduling problem with convex models of operation processing times. <i>Annals of Operations Research</i> , 2000, 96, 39-60.	2.6	22
194	Single Machine Scheduling with Learning Effect Considerations. <i>Annals of Operations Research</i> , 2000, 98, 273-290.	2.6	284
195	Programa de produção da produção em sistemas flow shop utilizando um método heurístico híbrido algoritmo genético-simulated annealing. <i>Gestão & Produção</i> , 2000, 7, 364-377.	0.5	6
196	From the classical job shop to a real problem: A genetic algorithm approach. , 0, , .		0
197	Scheduling flow-shops with limited buffer spaces. , 0, , .		5
198	Recent developments in evolutionary computation for manufacturing optimization: problems, solutions, and comparisons. <i>IEEE Transactions on Evolutionary Computation</i> , 2000, 4, 93-113.	7.5	216
199	A communication scheduling algorithm for multi-FPGA systems. , 0, , .		6
200	Multiple-Machine Lower Bounds for Shop-Scheduling Problems. <i>INFORMS Journal on Computing</i> , 2000, 12, 341-352.	1.0	10
201	No-wait and blocking job-shops: challenging problems for GA's. , 0, , .		10

#	ARTICLE	IF	CITATIONS
202	A modification to the CGPS algorithm for three-machine flow shop scheduling. Journal of Information and Optimization Sciences, 2001, 22, 321-331.	0.2	3
203	A GA-BASED MODEL FOR MAXIMIZING PRECAST PLANT PRODUCTION UNDER RESOURCE CONSTRAINTS. Engineering Optimization, 2001, 33, 619-642.	1.5	9
204	The Asymptotic Optimality of the SPT Rule for the Flow Shop Mean Completion Time Problem. Operations Research, 2001, 49, 293-304.	1.2	20
205	Max-Plus Generalization of a Flowshop Problem. Lower and Upper Bounds. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 27-32.	0.4	1
206	Makespan minimization for flow-shop problems with transportation times and a single robot. Discrete Applied Mathematics, 2001, 112, 199-216.	0.5	75
207	The hybrid heuristic genetic algorithm for job shop scheduling. Computers and Industrial Engineering, 2001, 40, 191-200.	3.4	73
208	A note on weighted completion time minimization in a flexible flow shop. Operations Research Letters, 2001, 29, 5-11.	0.5	18
209	The three-stage assembly flowshop scheduling problem. Computers and Operations Research, 2001, 28, 689-704.	2.4	84
210	A new adaptive neural network and heuristics hybrid approach for job-shop scheduling. Computers and Operations Research, 2001, 28, 955-971.	2.4	51
211	An effective hybrid optimization strategy for job-shop scheduling problems. Computers and Operations Research, 2001, 28, 585-596.	2.4	230
212	A performance analysis of dispatching rules and a heuristic in static flowshops with missing operations of jobs. European Journal of Operational Research, 2001, 131, 622-634.	3.5	24
213	A flexible flowshop problem with total flow time minimization. European Journal of Operational Research, 2001, 132, 528-538.	3.5	52
214	Minimizing makespan in a blocking flowshop using genetic algorithms. International Journal of Production Economics, 2001, 70, 101-115.	5.1	135
215	Sequencing Three-Stage Flexible Flowshops with Identical Machines to Minimize Makespan. IIE Transactions, 2001, 33, 985-994.	2.1	7
216	An optimization methodology for intermodal terminal management. Journal of Intelligent Manufacturing, 2001, 12, 521-534.	4.4	82
217	A computational study with a new algorithm for the three-machine permutation flow-shop problem with release times. European Journal of Operational Research, 2001, 130, 559-575.	3.5	23
218	An integrated production planning and scheduling system for hybrid flowshop organizations. International Journal of Production Economics, 2001, 74, 33-48.	5.1	35
219	Heuristic algorithms for the two-machine flowshop with limited machine availability. Omega, 2001, 29, 599-608.	3.6	57

#	ARTICLE	IF	CITATIONS
220	A new lower bounding rule for permutation flow shop scheduling. Journal of Information and Optimization Sciences, 2001, 22, 249-257.	0.2	2
221	A Job-Shop Scheduling Problem with Fuzzy Processing Times. Lecture Notes in Computer Science, 2001, , 409-418.	1.0	4
222	Scheduling with Fixed Delivery Dates. Operations Research, 2001, 49, 134-144.	1.2	77
223	Sequencing three-stage flexible flowshops with identical machines to minimize makespan. IIE Transactions, 2001, 33, 985-993.	2.1	40
224	Three stages flow-shop with job over-passing. , 0, , .		1
225	A worst-case analysis of the three-machine flow shop scheduling. Journal of Information and Optimization Sciences, 2002, 23, 229-240.	0.2	0
226	An experimental analysis of the CGPS algorithm for the three-machine flow shop scheduling with minimum makespan criterion. Journal of Information and Optimization Sciences, 2002, 23, 323-344.	0.2	1
227	A THRESHOLD-ACCEPTING METAHEURISTIC METHOD FOR SCHEDULING THE OPERATIONS OF DEHYDRATION PLANTS. Drying Technology, 2002, 20, 1143-1160.	1.7	1
228	Satisfying due-dates in large multi-factory supply chains. IIE Transactions, 2002, 34, 803-811.	2.1	30
229	Contrasting Structured and Random Permutation Flow-Shop Scheduling Problems: Search-Space Topology and Algorithm Performance. INFORMS Journal on Computing, 2002, 14, 98-123.	1.0	97
230	Coordinating the motions of multiple robots with specified trajectories. , 0, , .		79
231	Solving the Flow Shop Problem by Parallel Simulated Annealing. Lecture Notes in Computer Science, 2002, , 236-244.	1.0	17
232	Assembly-Line Scheduling with Concurrent Operations and Parallel Machines. INFORMS Journal on Computing, 2002, 14, 68-80.	1.0	7
233	Main issues related to CDM: a developing country perspective. International Journal of Global Environmental Issues, 2002, 2, 240.	0.1	0
234	Sequencing a hybrid two-stage flowshop with dedicated machines. International Journal of Production Research, 2002, 40, 4353-4380.	4.9	32
235	Experimental comparison of heuristics for flow shop scheduling. Journal of Information and Optimization Sciences, 2002, 23, 313-321.	0.2	0
236	Solving the flow shop problem by parallel tabu search. , 0, , .		6
237	Fuzzy job-shop scheduling based on ranking level (\hat{I} , 1) interval-valued fuzzy numbers. IEEE Transactions on Fuzzy Systems, 2002, 10, 510-522.	6.5	43

#	ARTICLE	IF	CITATIONS
238	The complexity of cyclic shop scheduling problems. <i>Journal of Scheduling</i> , 2002, 5, 307-327.	1.3	36
239	Geometrical heuristics for multiprocessor flowshop scheduling with uniform machines at each stage. <i>Journal of Scheduling</i> , 2002, 5, 205-225.	1.3	9
240	A Memetic Algorithm for the $n/2/Flowshop/\hat{F} + \hat{C} \max$ Scheduling Problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2002, 20, 464-473.	1.5	19
241	A list-based threshold accepting method for job shop scheduling problems. <i>International Journal of Production Economics</i> , 2002, 77, 159-171.	5.1	30
242	GA-based resource-constrained flow-shop scheduling model for mixed precast production. <i>Automation in Construction</i> , 2002, 11, 439-452.	4.8	84
243	Constructing a fuzzy flow-shop sequencing model based on statistical data. <i>International Journal of Approximate Reasoning</i> , 2002, 29, 215-234.	1.9	101
244	Complexity analysis of job-shop scheduling with deteriorating jobs. <i>Discrete Applied Mathematics</i> , 2002, 117, 195-209.	0.5	95
245	Efficient heuristics for flowshop sequencing with the objectives of makespan and flowtime minimisation. <i>European Journal of Operational Research</i> , 2002, 141, 559-569.	3.5	106
246	Nonpreemptive flowshop scheduling with machine dominance. <i>European Journal of Operational Research</i> , 2002, 139, 245-261.	3.5	18
247	An improved branch-and-bound algorithm for the two machine total completion time flow shop problem. <i>European Journal of Operational Research</i> , 2002, 139, 293-301.	3.5	85
248	The convergence of stochastic algorithms solving flow shop scheduling. <i>Theoretical Computer Science</i> , 2002, 285, 101-117.	0.5	3
249	Local search heuristics for two-stage flow shop problems with secondary criterion. <i>Computers and Operations Research</i> , 2002, 29, 123-149.	2.4	49
250	Polynomial time approximation schemes for general multiprocessor job shop scheduling. <i>Journal of Algorithms</i> , 2002, 45, 167-191.	0.9	6
251	A modern local search method for operations scheduling of dehydration plants. <i>Journal of Food Engineering</i> , 2002, 52, 17-23.	2.7	2
252	A novel branch and bound algorithm for scheduling flowshop plants with uncertain processing times. <i>Computers and Chemical Engineering</i> , 2002, 26, 41-57.	2.0	80
253	Satisfying due-dates in large multi-factory supply chains. <i>IIE Transactions</i> , 2002, 34, 803-811.	2.1	5
254	Problems, Models and Complexity. Part I: Theory. <i>Mathematical Modelling and Algorithms</i> , 2003, 2, 121-151.	0.5	3
255	Logistics scheduling: Analysis of two-stage problems. <i>Journal of Systems Science and Systems Engineering</i> , 2003, 12, 385-407.	0.8	7

#	ARTICLE	IF	CITATIONS
256	An efficient constructive heuristic for flowtime minimisation in permutation flow shops. <i>Omega</i> , 2003, 31, 311-317.	3.6	165
257	Problem difficulty for tabu search in job-shop scheduling. <i>Artificial Intelligence</i> , 2003, 143, 189-217.	3.9	82
258	Minimizing the mean flow time in a two-machine group-scheduling problem with carryover sequence dependency. <i>Robotics and Computer-Integrated Manufacturing</i> , 2003, 19, 21-33.	6.1	9
259	Two-machine flowshop scheduling with a secondary criterion. <i>Computers and Operations Research</i> , 2003, 30, 505-526.	2.4	47
260	Performance enhancement by using non-permutation schedules in flowline-based manufacturing systems. <i>Computers and Industrial Engineering</i> , 2003, 44, 133-157.	3.4	30
261	Three stage no-idle flow-shops. <i>Computers and Industrial Engineering</i> , 2003, 44, 425-434.	3.4	42
262	Scheduling to minimize the sum of weighted flowtime and weighted tardiness of jobs in a flowshop with sequence-dependent setup times. <i>European Journal of Operational Research</i> , 2003, 149, 513-522.	3.5	70
263	A branch-and-bound-based local search method for the flow shop problem. <i>Journal of the Operational Research Society</i> , 2003, 54, 1076-1084.	2.1	28
264	Branch-and-bound algorithms using fuzzy heuristics for solving large-scale flow-shop scheduling problems. <i>Studies in Fuzziness and Soft Computing</i> , 2003, , 21-35.	0.6	0
265	Supply Chain Scheduling: Batching and Delivery. <i>Operations Research</i> , 2003, 51, 566-584.	1.2	388
266	On Minimizing Average Weighted Completion Time: A PTAS for the Job Shop Problem with Release Dates. <i>Lecture Notes in Computer Science</i> , 2003, , 319-328.	1.0	4
267	Constructing a job-shop scheduling model based on imprecise data. , 0, , .		1
268	Monitoring the dynamic web to respond to continuous queries. , 2003, , .		37
269	CÃ©nÃ©ralisation Max-Plus des bornes de Lageweg, Lenstra et Rinnooy Kan. <i>RAIRO - Operations Research</i> , 2003, 37, 273-289.	1.0	0
271	Scheduling Algorithms. , 2004, , .		214
272	Solving then-job 3-stage flexible flowshop scheduling problem using an agent-based approach. <i>International Journal of Production Research</i> , 2004, 42, 777-799.	4.9	36
273	Complexity Results for Flow-Shop and Open-Shop Scheduling Problems with Transportation Delays. <i>Annals of Operations Research</i> , 2004, 129, 81-106.	2.6	50
274	A Note on Permutation Flow Shop Problem. <i>Annals of Operations Research</i> , 2004, 129, 247-252.	2.6	11

#	ARTICLE	IF	CITATIONS
275	Recovering Beam Search: Enhancing the Beam Search Approach for Combinatorial Optimization Problems. <i>Journal of Heuristics</i> , 2004, 10, 89-104.	1.1	36
276	Two-Machine Flow Shop Scheduling with Nonregular Criteria. <i>Mathematical Modelling and Algorithms</i> , 2004, 3, 123-151.	0.5	6
277	Flow Shop Scheduling Problems Under Machine-Dependent Precedence Constraints. <i>Journal of Combinatorial Optimization</i> , 2004, 8, 13-28.	0.8	7
278	Two-stage flowshop earliness and tardiness machine scheduling involving a common due window. <i>International Journal of Production Economics</i> , 2004, 90, 421-434.	5.1	53
279	Minimizing total completion time in a two-machine flowshop with a learning effect. <i>International Journal of Production Economics</i> , 2004, 88, 85-93.	5.1	120
280	A tabu search algorithm for the multi-stage parallel machine problem with limited buffer capacities. <i>European Journal of Operational Research</i> , 2004, 155, 380-401.	3.5	89
281	Concurrent flowshop scheduling to minimize makespan. <i>European Journal of Operational Research</i> , 2004, 156, 524-529.	3.5	6
282	Batch scheduling in a two-machine flow shop with limited buffer and sequence independent setup times and removal times. <i>European Journal of Operational Research</i> , 2004, 153, 581-592.	3.5	45
283	The two-machine flowshop total completion time problem: Improved lower bounds and a branch-and-bound algorithm. <i>European Journal of Operational Research</i> , 2004, 159, 420-429.	3.5	50
284	On the complexity and some properties of multi-stage scheduling problems with earliness and tardiness penalties. <i>Computers and Operations Research</i> , 2004, 31, 317-345.	2.4	31
285	Scheduling with common due date, earliness and tardiness penalties for multimachine problems: A survey. <i>Mathematical and Computer Modelling</i> , 2004, 40, 637-655.	2.0	101
286	More on three-machine no-idle flow shops. <i>Computers and Industrial Engineering</i> , 2004, 46, 461-466.	3.4	25
287	Pareto archived simulated annealing for permutation flow shop scheduling with multiple objectives. , 2004, , .		13
288	GENACE: an efficient cultural algorithm for solving the flexible job-shop problem. , 0, , .		62
289	Flow Shop Scheduling with Partial Resource Flexibility. <i>Management Science</i> , 2004, 50, 658-669.	2.4	56
290	A review and classification of heuristics for permutation flow-shop scheduling with makespan objective. <i>Journal of the Operational Research Society</i> , 2004, 55, 1243-1255.	2.1	229
291	A Reduced Codification for the Logical Representation of Job Shop Scheduling Problems. <i>Lecture Notes in Computer Science</i> , 2004, , 553-562.	1.0	2
292	A fast flowtime-computing procedure and its applications to heuristics for flow shops with flowtime minimization. , 0, , .		1

#	ARTICLE	IF	CITATIONS
293	Generalization of Johnson's and Talwar's scheduling rules in two-machine stochastic flow shops. <i>Journal of the Operational Research Society</i> , 2004, 55, 1358-1362.	2.1	4
294	A Novel Chamber Scheduling Method in Etching Tools Using Adaptive Neural Networks. <i>Lecture Notes in Computer Science</i> , 2005, , 908-913.	1.0	0
295	A heuristic for total flowtime minimization in flow shop scheduling. , 2005, , .		1
296	Inverse scheduling with controllable job parameters. <i>International Journal of Services and Operations Management</i> , 2005, 1, 35.	0.1	29
297	Flowshop/no-idle scheduling to minimise the mean flowtime. <i>ANZIAM Journal</i> , 2005, 47, 265-275.	0.3	15
298	Multi-job lot streaming to minimize the mean completion time in m-1 hybrid flowshops. <i>International Journal of Production Economics</i> , 2005, 96, 189-200.	5.1	60
299	Complexity results for flow-shop problems with a single server. <i>European Journal of Operational Research</i> , 2005, 165, 398-407.	3.5	36
300	A fast tabu search algorithm for the group shop scheduling problem. <i>Advances in Engineering Software</i> , 2005, 36, 533-539.	1.8	30
301	Optimal and heuristic solutions for a scheduling problem arising in a foundry. <i>Computers and Operations Research</i> , 2005, 32, 2351-2382.	2.4	17
302	A travelling salesman approach to solve the F/no-idle/Cmax problem. <i>European Journal of Operational Research</i> , 2005, 161, 11-20.	3.5	35
303	Solving the flowshop scheduling problem with sequence dependent setup times using advanced metaheuristics. <i>European Journal of Operational Research</i> , 2005, 165, 34-54.	3.5	174
304	Approximation schemes for job shop scheduling problems with controllable processing times. <i>European Journal of Operational Research</i> , 2005, 167, 297-319.	3.5	47
305	A comprehensive review and evaluation of permutation flowshop heuristics. <i>European Journal of Operational Research</i> , 2005, 165, 479-494.	3.5	507
306	On the asymptotic optimality of algorithms for the flow shop problem with release dates. <i>Naval Research Logistics</i> , 2005, 52, 232-242.	1.4	16
307	Flow shop scheduling with multiple objective of minimizing makespan and total flow time. <i>International Journal of Advanced Manufacturing Technology</i> , 2005, 25, 1007-1012.	1.5	53
308	An effective hybrid optimization approach for multi-objective flexible job-shop scheduling problems. <i>Computers and Industrial Engineering</i> , 2005, 48, 409-425.	3.4	544
309	Flow-shop scheduling for three serial stations with the last two duplicate. <i>Computers and Operations Research</i> , 2005, 32, 647-667.	2.4	13
310	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.	2.4	46

#	ARTICLE	IF	CITATIONS
311	The simple with forbidden tasks in first or last position: A problem more complex that it seems. European Journal of Operational Research, 2005, 161, 21-31.	3.5	10
312	A review of exact solution methods for the non-preemptive multiprocessor flowshop problem. European Journal of Operational Research, 2005, 164, 592-608.	3.5	104
314	No-wait or no-idle permutation flowshop scheduling with dominating machines. Journal of Applied Mathematics and Computing, 2005, 17, 419-432.	1.2	20
315	An Improved Genetic Algorithm for Flow Shop Sequencing. , 0, , .		1
316	Assessing risk in a job schedule: integrating a scheduling heuristic and a simulation model to a spreadsheet. , 2005, , .		1
317	Cyclic flow shop scheduling based on timed event graph extended with disjunctive constraints. , 0, , .		0
318	Algorithms with performance guarantees for flow shops with regular objective functions. IIE Transactions, 2005, 37, 1107-1111.	2.1	18
319	A SIMPLE LOWER BOUND FOR TOTAL COMPLETION TIME MINIMIZATION IN A TWO-MACHINE FLOWSHOP. Asia-Pacific Journal of Operational Research, 2005, 22, 391-407.	0.9	10
320	Evolving Dispatching Rules for solving the Flexible Job-Shop Problem. , 0, , .		22
321	LEGA: An Architecture for Learning and Evolving Flexible Job-Shop Schedules. , 0, , .		1
322	Multicriteria scheduling. European Journal of Operational Research, 2005, 167, 592-623.	3.5	313
323	Conceptual framework for lot-sizing and scheduling of flexible flow lines. International Journal of Production Research, 2005, 43, 2291-2308.	4.9	47
324	A hybrid evolutionary algorithm for some discrete optimization problems. , 2005, , .		4
325	Improving the Performance of the Repeating Permutation Representation Using Morphogenic Computation and Generalised Modified Order Crossover. , 0, , .		2
327	A Heuristic Method for a Flexible Flow Line with Unrelated Parallel Machines Problem. , 2006, , .		2
328	Modeling&Solving Flexible Job Shop Problem With Sequence Dependent Setup Times. , 2006, , .		9
330	A three-machine permutation flow-shop problem with minimum makespan on the second machine. Journal of the Operational Research Society, 2006, 57, 460-468.	2.1	3
331	A local search method for permutation flow shop scheduling. Journal of the Operational Research Society, 2006, 57, 1248-1251.	2.1	6

#	ARTICLE	IF	CITATIONS
332	A bi-criteria two-machine flowshop scheduling problem with a learning effect. <i>Journal of the Operational Research Society</i> , 2006, 57, 1113-1125.	2.1	51
333	A competitive and cooperative approach to propositional satisfiability. <i>Discrete Applied Mathematics</i> , 2006, 154, 2291-2306.	0.5	15
334	Minimizing total completion time in a two-machine flow shop with deteriorating jobs. <i>Applied Mathematics and Computation</i> , 2006, 180, 185-193.	1.4	68
335	Permutation flow shop scheduling with dominant machines to minimize discounted total weighted completion time. <i>Applied Mathematics and Computation</i> , 2006, 182, 947-954.	1.4	15
336	Three-machine flowshop with two operations per job to minimize makespan. <i>Computers and Industrial Engineering</i> , 2006, 50, 286-295.	3.4	4
337	Performance guarantees for flowshop heuristics to minimize makespan. <i>European Journal of Operational Research</i> , 2006, 169, 865-872.	3.5	8
338	Improvement heuristic for the flow-shop scheduling problem: An adaptive-learning approach. <i>European Journal of Operational Research</i> , 2006, 169, 801-815.	3.5	48
339	A review of TSP based approaches for flowshop scheduling. <i>European Journal of Operational Research</i> , 2006, 169, 816-854.	3.5	83
340	A heuristic for minimizing the expected makespan in two-machine flow shops with consistent coefficients of variation. <i>European Journal of Operational Research</i> , 2006, 169, 742-750.	3.5	23
341	Scheduling in static jobshops for minimizing mean flowtime subject to minimum total deviation of job completion times. <i>International Journal of Production Economics</i> , 2006, 103, 633-647.	5.1	8
342	Two-machine flow shop problems with a single server. <i>Journal of Scheduling</i> , 2006, 9, 515-543.	1.3	16
343	Pareto archived simulated annealing for job shop scheduling with multiple objectives. <i>International Journal of Advanced Manufacturing Technology</i> , 2006, 29, 184-196.	1.5	82
344	Unit sized transfer batch scheduling in an automated two-machine flow-line cell with one transport agent. <i>International Journal of Advanced Manufacturing Technology</i> , 2006, 29, 178-183.	1.5	10
345	Study on job shop scheduling with sequence-dependent setup times using biological immune algorithm. <i>International Journal of Advanced Manufacturing Technology</i> , 2006, 30, 105-111.	1.5	29
346	An ant colony algorithm for scheduling in flowshops with sequence-dependent setup times of jobs. <i>International Journal of Advanced Manufacturing Technology</i> , 2006, 30, 416-424.	1.5	43
347	A neural network for dispatching rule selection in a job shop. <i>International Journal of Advanced Manufacturing Technology</i> , 2006, 31, 342-349.	1.5	36
348	Solving job shop scheduling problems using artificial immune system. <i>International Journal of Advanced Manufacturing Technology</i> , 2006, 31, 580-593.	1.5	51
349	A scatter search approach for general flowshop scheduling problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2006, 31, 731-736.	1.5	20

#	ARTICLE	IF	CITATIONS
350	A hybrid particle swarm optimization approach for the job-shop scheduling problem. International Journal of Advanced Manufacturing Technology, 2006, 29, 360-366.	1.5	109
351	A genetic algorithmic approach to multi-objective scheduling in a Kanban-controlled flowshop with intermediate buffer and transport constraints. International Journal of Advanced Manufacturing Technology, 2006, 29, 564-576.	1.5	10
352	A hybrid particle swarm optimization for job shop scheduling problem. Computers and Industrial Engineering, 2006, 51, 791-808.	3.4	264
353	A genetic algorithmic approach to multi-objective scheduling in a kanban-controlled flowshop with intermediate buffer and transport constraints. International Journal of Advanced Manufacturing Technology, 2006, 29, 564-576.	1.5	10
354	Two new robust genetic algorithms for the flowshop scheduling problem. Omega, 2006, 34, 461-476.	3.6	328
355	ABACTERIAL EVOLUTIONARY ALGORITHM FOR THE JOB SHOP SCHEDULING PROBLEM. Journal of the Chinese Institute of Industrial Engineers, 2006, 23, 185-191.	0.5	13
356	Implementation of an Ant Colony Optimization technique for job shop scheduling problem. Transactions of the Institute of Measurement and Control, 2006, 28, 93-108.	1.1	69
357	COMPARISON OF SCHEDULING EFFICIENCY IN TWO/THREE-MACHINE NO-WAIT FLOW SHOP PROBLEM USING SIMULATED ANNEALING AND GENETIC ALGORITHM. Asia-Pacific Journal of Operational Research, 2006, 23, 41-59.	0.9	7
358	Adaptive PBIL algorithm and its application to solve scheduling problems. , 2006, , .		4
359	An Improved DNA Evolutionary Algorithm for Job Shop Scheduling. , 2006, , .		0
360	A New Algorithm That Obtains an Approximation of the Critical Path in the Job Shop Scheduling Problem. Lecture Notes in Computer Science, 2006, , 450-460.	1.0	1
361	A Composite Algorithm for Total Completion-Time Minimization in Large Flow Shop Scheduling. , 2006, , .		0
362	Multi-Objective Evolutionary Job-Shop Scheduling Using Jumping Genes Genetic Algorithm. , 2006, , .		11
363	Heuristics for permutation flow shops to minimize total flowtime. , 2006, , .		0
364	An Application of Particle Swarm Optimization Algorithm to Permutation Flowshop Scheduling Problems to Minimize Makespan, Total Flowtime and Completion Time Variance. , 2006, , .		4
365	FREIGHT TRAIN ROUTING AND SCHEDULING IN A PASSENGER RAIL NETWORK: COMPUTATIONAL COMPLEXITY AND THE STEPWISE DISPATCHING HEURISTIC. Asia-Pacific Journal of Operational Research, 2007, 24, 499-533.	0.9	16
366	Using evolutionary computation and local search to solve multi-objective flexible job shop problems. , 2007, , .		10
367	Parallel variable neighbourhood search algorithms for job shop scheduling problems. IMA Journal of Management Mathematics, 2007, 18, 117-133.	1.1	24

#	ARTICLE	IF	CITATIONS
368	Solving permutation flow shop sequencing using ant colony optimization. , 2007, , .		7
369	Multi-objective particle swarm optimization algorithm for scheduling in flowshops to minimize makespan, total flowtime and completion time variance. , 2007, , .		5
370	An improved particle swarm optimization for multi-objective flexible job-shop scheduling problem. , 2007, , .		3
371	An Integrated Resolution of Joint Production and Maintenance Scheduling Problem in Hybrid Flowshop. Lecture Notes in Computer Science, 2007, , 518-527.	1.0	0
372	A biological intelligent scheduling algorithm for scheduling with batch size and non-cutting time consideration. International Journal of Manufacturing Technology and Management, 2007, 10, 247.	0.1	2
373	A genetic algorithm for flowshop scheduling with multiple objectives. Opsearch, 2007, 44, 1-16.	1.1	2
374	Flow Shop Scheduling. , 2007, , 271-320.		0
375	Web Service Based Method for Large Scale Flow Shops with Flowtime Minimization. , 2007, , .		0
376	A HYBRID TWO-STAGE FLOWSHOP SCHEDULING PROBLEM. Asia-Pacific Journal of Operational Research, 2007, 24, 45-56.	0.9	11
377	A new pheromone design in ACS for solving JSP. , 2007, , .		7
378	A Grid-enabled Branch and Bound Algorithm for Solving Challenging Combinatorial Optimization Problems. , 2007, , .		41
379	A Grid-based Parallel Approach of the Multi-Objective Branch and Bound. , 2007, , .		12
380	Timed event graph-based cyclic reconfigurable flow shop modelling and optimization. International Journal of Production Research, 2007, 45, 143-156.	4.9	17
381	Flow shop-sequencing problem with synchronous transfers and makespan minimization. International Journal of Production Research, 2007, 45, 3311-3331.	4.9	27
382	A Genetic Algorithm Based Scheduling for a Flexible System. Global Journal of Flexible Systems Management, 2007, 8, 15-24.	3.4	6
383	A Hybrid Genetic Algorithm for the Re-Entrant Flow-Shop Scheduling Problem. , 2007, , .		0
384	Different behaviour of a double branch-and-bound algorithm on and problems. Computers and Operations Research, 2007, 34, 938-953.	2.4	35
385	Parallel partitioning method (PPM): A new exact method to solve bi-objective problems. Computers and Operations Research, 2007, 34, 2450-2462.	2.4	31

#	ARTICLE	IF	CITATIONS
386	Scheduling the truckload operations in automatic warehouses. <i>European Journal of Operational Research</i> , 2007, 179, 723-735.	3.5	15
387	An exact parallel method for a bi-objective permutation flowshop problem. <i>European Journal of Operational Research</i> , 2007, 177, 1641-1655.	3.5	37
388	A particle swarm optimization algorithm for makespan and total flowtime minimization in the permutation flowshop sequencing problem. <i>European Journal of Operational Research</i> , 2007, 177, 1930-1947.	3.5	496
389	Late work minimization in a small flexible manufacturing system. <i>Computers and Industrial Engineering</i> , 2007, 52, 210-228.	3.4	26
390	A hybrid of genetic algorithm and bottleneck shifting for multiobjective flexible job shop scheduling problems. <i>Computers and Industrial Engineering</i> , 2007, 53, 149-162.	3.4	175
391	An effective architecture for learning and evolving flexible job-shop schedules. <i>European Journal of Operational Research</i> , 2007, 179, 316-333.	3.5	223
392	Batch scheduling of jobs with identical process times on flexible flow lines. <i>International Journal of Production Economics</i> , 2007, 105, 385-401.	5.1	42
393	An efficient load balancing strategy for grid-based branch and bound algorithm. <i>Parallel Computing</i> , 2007, 33, 302-313.	1.3	17
394	Flexible job-shop scheduling with routing flexibility and separable setup times using ant colony optimisation method. <i>Robotics and Computer-Integrated Manufacturing</i> , 2007, 23, 503-516.	6.1	141
395	Multiplicity and complexity issues in contemporary production scheduling. <i>Statistica Neerlandica</i> , 2007, 61, 75-91.	0.9	10
396	On the NEH heuristic for minimizing the makespan in permutation flow shops. <i>Omega</i> , 2007, 35, 53-60.	3.6	124
397	Scheduling in an assembly-type production chain with batch transfer. <i>Omega</i> , 2007, 35, 143-151.	3.6	35
398	Flexible job shop scheduling with tabu search algorithms. <i>International Journal of Advanced Manufacturing Technology</i> , 2007, 32, 563-570.	1.5	174
399	Multi-heuristic desirability ant colony system heuristic for non-permutation flowshop scheduling problems. <i>International Journal of Advanced Manufacturing Technology</i> , 2007, 33, 793-802.	1.5	44
400	Minimizing makespan in reentrant flow-shops using hybrid tabu search. <i>International Journal of Advanced Manufacturing Technology</i> , 2007, 34, 353-361.	1.5	38
401	Research on immune genetic algorithm for solving the job-shop scheduling problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2007, 34, 783-789.	1.5	25
402	Mathematical modeling and heuristic approaches to flexible job shop scheduling problems. <i>Journal of Intelligent Manufacturing</i> , 2007, 18, 331-342.	4.4	277
403	Some effective heuristics for no-wait flowshops with setup times to minimize total completion time. <i>Annals of Operations Research</i> , 2007, 156, 143-171.	2.6	33

#	ARTICLE	IF	CITATIONS
404	A hybrid two-stage flexible flowshop scheduling problem with m identical parallel machines and a burn-in processor separately. Journal of Shanghai University, 2007, 11, 33-38.	0.1	2
405	A taxonomy of flexible flow line scheduling procedures. European Journal of Operational Research, 2007, 178, 686-698.	3.5	146
406	A very fast TS/SA algorithm for the job shop scheduling problem. Computers and Operations Research, 2008, 35, 282-294.	2.4	196
407	The two-machine flowshop no-wait scheduling problem with a single server to minimize the total completion time. Computers and Operations Research, 2008, 35, 2952-2963.	2.4	27
408	Minimize presentation lag by sequencing media objects for auto-assembled presentations from digital libraries. Data and Knowledge Engineering, 2008, 66, 382-401.	2.1	10
409	Optimal due date assignment in multi-machine scheduling environments. Journal of Scheduling, 2008, 11, 217-228.	1.3	20
410	Exact train pathing. Journal of Scheduling, 2008, 11, 279-297.	1.3	3
411	Solving non-permutation flowshop scheduling problems by an effective iterated greedy heuristic. International Journal of Advanced Manufacturing Technology, 2008, 38, 348-354.	1.5	64
412	Combined column generation and constructive heuristic for a proportionate flexible flow shop scheduling. International Journal of Advanced Manufacturing Technology, 2008, 38, 691-704.	1.5	8
413	Heuristic for no-wait flow shops with makespan minimization based on total idle-time increments. Science in China Series F: Information Sciences, 2008, 51, 896-909.	1.1	12
414	Minimizing customer order lead-time in a two-stage assembly supply chain. Annals of Operations Research, 2008, 161, 25-52.	2.6	14
415	Genetic algorithm integrated with artificial chromosomes for multi-objective flowshop scheduling problems. Applied Mathematics and Computation, 2008, 205, 550-561.	1.4	42
416	A Lagrangean relaxation approach for the mixed-model flow line sequencing problem. Computers and Operations Research, 2008, 35, 933-943.	2.4	5
417	An improved NEH heuristic to minimize makespan in permutation flow shops. Computers and Operations Research, 2008, 35, 3001-3008.	2.4	107
418	A genetic algorithm for the Flexible Job-shop Scheduling Problem. Computers and Operations Research, 2008, 35, 3202-3212.	2.4	744
419	An improved NEH-based heuristic for the permutation flowshop problem. Computers and Operations Research, 2008, 35, 3962-3968.	2.4	113
420	An improved particle swarm optimization algorithm for flowshop scheduling problem. Information Processing Letters, 2008, 108, 204-209.	0.4	42
421	A tabu search algorithm for the flowshop scheduling problem with changing neighborhoods. Computers and Industrial Engineering, 2008, 54, 1-11.	3.4	44

#	ARTICLE	IF	CITATIONS
422	Evolving dispatching rules using genetic programming for solving multi-objective flexible job-shop problems. Computers and Industrial Engineering, 2008, 54, 453-473.	3.4	331
423	A combinatorial particle swarm optimisation for solving permutation flowshop problems. Computers and Industrial Engineering, 2008, 54, 526-538.	3.4	88
424	A Constructive Genetic Algorithm for permutation flowshop scheduling. Computers and Industrial Engineering, 2008, 55, 195-207.	3.4	47
425	A discrete differential evolution algorithm for the permutation flowshop scheduling problem. Computers and Industrial Engineering, 2008, 55, 795-816.	3.4	253
426	Hybrid tabu search for re-entrant permutation flow-shop scheduling problem. Expert Systems With Applications, 2008, 34, 1924-1930.	4.4	42
427	Permutation flowshop scheduling problems with time lags to minimize the weighted sum of machine completion times. International Journal of Production Economics, 2008, 112, 168-176.	5.1	22
428	Development of new features of ant colony optimization for flowshop scheduling. International Journal of Production Economics, 2008, 112, 742-755.	5.1	43
429	A hybrid genetic algorithm for the re-entrant flow-shop scheduling problem. Expert Systems With Applications, 2008, 34, 570-577.	4.4	85
430	A polynomially solvable case of the three machine johnson problem. Journal of Applied and Industrial Mathematics, 2008, 2, 397-405.	0.1	0
431	An improved approximation scheme for the Johnson problem with parallel machines. Journal of Applied and Industrial Mathematics, 2008, 2, 406-420.	0.1	1
432	Exact, Heuristic and Meta-heuristic Algorithms for Solving Shop Scheduling Problems. Studies in Computational Intelligence, 2008, , 1-40.	0.7	14
433	A filtered-beam-search-based heuristic algorithm for flexible job-shop scheduling problem. International Journal of Production Research, 2008, 46, 3027-3058.	4.9	37
434	A Due-Date-Based Algorithm for Lot-Order Assignment in a Semiconductor Wafer Fabrication Facility. IEEE Transactions on Semiconductor Manufacturing, 2008, 21, 209-216.	1.4	27
435	A Genetic Algorithm for the Two Machine Flow Shop Problem. , 2008, , .		2
436	Applying genetic local search to solve the Flexible Job-shop Scheduling Problem. , 2008, , .		2
437	Solving Multiple-Objective Flexible Job Shop Problems by Evolution and Local Search. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2008, 38, 674-685.	3.3	60
438	Lot streaming in a multiple product permutation flow shop with intermingling. International Journal of Production Research, 2008, 46, 197-216.	4.9	32
439	A Review and Evaluation of Multiobjective Algorithms for the Flowshop Scheduling Problem. INFORMS Journal on Computing, 2008, 20, 451-471.	1.0	148

#	ARTICLE	IF	CITATIONS
440	A New Machine Scheduling Problem with Temperature Loss. , 2008, , .		0
441	Reducing mean flow time in permutation flow shop. Journal of the Operational Research Society, 2008, 59, 939-945.	2.1	14
442	A new lower bound for flow shop makespan with release dates. , 2008, , .		2
443	GA with priority rules for solving Job-Shop Scheduling Problems. , 2008, , .		4
444	An Efficient Hybrid P2P Approach for Non-redundant Tree Exploration in B&B Algorithms. , 2008, , .		0
445	An improved particle swarm optimization algorithm for flowshop scheduling problem. , 2008, , .		1
446	Hybrid Approach for Machine Scheduling Optimization in Custom Furniture Industry. , 2008, , .		2
447	Composite heuristic algorithm for permutation flowshop scheduling problems with total flowtime minimization. , 2008, , .		1
448	Study and implementation of hybrid scheduling algorithm on JSP. , 2008, , .		0
449	Establishing rules to design a minicell-based manufacturing system for mass customisation. International Journal of Agile Systems and Management, 2008, 3, 93.	0.6	0
450	Some New Results on Tabu Search Algorithm Applied to the Job-Shop Scheduling Problem. , 0, , .		4
451	Simulated Annealing as an Intensification Component in Hybrid Population-based Metaheuristics. , 2008, , .		1
452	A distributed learning algorithm for particle systems. Integrated Computer-Aided Engineering, 2009, 16, 1-20.	2.5	12
453	A job shop distributed scheduling based on Lagrangian relaxation to minimise total completion time. International Journal of Production Research, 2009, 47, 6783-6805.	4.9	16
454	MODELING AND OPTIMIZATION OF COMPLEX SERVICES IN SERVICE-BASED SYSTEMS. Cybernetics and Systems, 2009, 40, 706-723.	1.6	32
455	A local search heuristic with self-tuning parameter for permutation flow-shop scheduling problem. , 2009, , .		1
456	Three-machine production scheduling with stochastic breakdowns. , 2009, , .		0
457	Branch-and-bound algorithms for scheduling in permutation flowshops to minimize the sum of weighted flowtime/sum of weighted tardiness/sum of weighted flowtime and weighted tardiness/sum of weighted flowtime, weighted tardiness and weighted earliness of jobs. Journal of the Operational Research Society, 2009, 60, 991-1004.	2.1	21

#	ARTICLE	IF	CITATIONS
458	A Coarse-Grain Parallel Genetic Algorithm for Flexible Job-Shop Scheduling with Lot Streaming. , 2009, , .		10
459	Simulation and Optimization of Discrete Customized Job-Shop Scheduling. , 2009, , .		0
460	An Improved Ant Colony Optimization for Flexible Job Shop Scheduling Problems. , 2009, , .		2
461	Hybrid evolutionary algorithm for multi-objective job shop scheduling. , 2009, , .		1
462	Research on job shop scheduling under uncertainty. , 2009, , .		1
463	A New Adaptive Genetic Algorithm for Job-Shop Scheduling. Materials Science Forum, 2009, 626-627, 771-776.	0.3	0
464	Solution Space Analysis and Feasible Genetic Algorithm for Assembly Job-Shop Scheduling Problems. Materials Science Forum, 2009, 626-627, 705-710.	0.3	2
465	Efficient composite heuristics for total flowtime minimization in permutation flow shopsâ††. Omega, 2009, 37, 155-164.	3.6	129
466	New high performing heuristics for minimizing makespan in permutation flowshops. Omega, 2009, 37, 331-345.	3.6	133
467	Heuristic Flowâ€Šshop Scheduling to Minimize Sum of Job Completion Times. Canadian Journal of Administrative Sciences, 1984, 1, 308-320.	0.9	2
468	AN OPTIMIZATIONâ€ŠBASED METHODOLOGY FOR RELEASE SCHEDULING. Production and Operations Management, 1994, 3, 276-295.	2.1	6
469	Permutation-induced acyclic networks for the job shop scheduling problem. Applied Mathematical Modelling, 2009, 33, 1560-1572.	2.2	8
470	Two-machine flow shop problem with effects of deterioration and learning. Computers and Industrial Engineering, 2009, 57, 1114-1121.	3.4	38
471	An iterated local search algorithm for the permutation flowshop problem with total flowtime criterion. Computers and Operations Research, 2009, 36, 1664-1669.	2.4	107
472	A hybrid genetic local search algorithm for the permutation flowshop scheduling problem. European Journal of Operational Research, 2009, 198, 84-92.	3.5	101
473	Artificial chromosomes embedded in genetic algorithm for a chip resistor scheduling problem in minimizing the makespan. Expert Systems With Applications, 2009, 36, 7135-7141.	4.4	14
474	Integrating simulation and genetic algorithm to schedule a dynamic flexible job shop. Journal of Intelligent Manufacturing, 2009, 20, 481-498.	4.4	96
475	Memetic algorithms for solving job-shop scheduling problems. Memetic Computing, 2009, 1, 69-83.	2.7	127

#	ARTICLE	IF	CITATIONS
476	An efficient hybrid heuristic for makespan minimization in permutation flow shop scheduling. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 44, 559-569.	1.5	29
477	Hybrid flow shop scheduling with parallel batching. <i>International Journal of Production Economics</i> , 2009, 117, 185-196.	5.1	42
478	An empirical analysis of the optimality rate of flow shop heuristics. <i>European Journal of Operational Research</i> , 2009, 198, 93-101.	3.5	51
479	An alternate two phases particle swarm optimization algorithm for flow shop scheduling problem. <i>Expert Systems With Applications</i> , 2009, 36, 5162-5167.	4.4	39
480	An effective hybrid particle swarm optimization algorithm for multi-objective flexible job-shop scheduling problem. <i>Computers and Industrial Engineering</i> , 2009, 56, 1309-1318.	3.4	405
481	Two-machine flow shop scheduling with linear decreasing job deterioration. <i>Computers and Industrial Engineering</i> , 2009, 56, 1487-1493.	3.4	16
482	Evolutionary techniques for optimization problems in integrated manufacturing system: State-of-the-art-survey. <i>Computers and Industrial Engineering</i> , 2009, 56, 779-808.	3.4	56
483	Two machine flow shop scheduling problem with weighted WIP costs. <i>Computers and Operations Research</i> , 2009, 36, 472-486.	2.4	3
484	Minimizing the bicriteria of makespan and maximum tardiness with an upper bound on maximum tardiness. <i>Computers and Operations Research</i> , 2009, 36, 1268-1283.	2.4	13
485	Minimizing makespan in permutation flow shop scheduling problems using a hybrid metaheuristic algorithm. <i>Computers and Operations Research</i> , 2009, 36, 1249-1267.	2.4	130
486	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.	2.4	148
487	A genetic algorithm for the proportionate multiprocessor open shop. <i>Computers and Operations Research</i> , 2009, 36, 2601-2618.	2.4	48
488	The two-stage assembly scheduling problem to minimize total completion time with setup times. <i>Computers and Operations Research</i> , 2009, 36, 2740-2747.	2.4	64
489	Scheduling permutation flowshops with initial availability constraint: Analysis of solutions and constructive heuristics. <i>Computers and Operations Research</i> , 2009, 36, 2866-2876.	2.4	20
490	A bottleneck-based heuristic for minimizing makespan in a flexible flow line with unrelated parallel machines. <i>Computers and Operations Research</i> , 2009, 36, 3073-3081.	2.4	31
491	Flexible job shop scheduling with overlapping in operations. <i>Applied Mathematical Modelling</i> , 2009, 33, 3076-3087.	2.2	73
492	The flow shop problem with no-idle constraints: A review and approximation. <i>European Journal of Operational Research</i> , 2009, 196, 450-456.	3.5	30
493	Hybrid genetic algorithm for permutation flowshop scheduling problems with total flowtime minimization. <i>European Journal of Operational Research</i> , 2009, 196, 869-876.	3.5	101

#	ARTICLE	IF	CITATIONS
494	An efficient flow-shop scheduling algorithm based on a hybrid particle swarm optimization model. Expert Systems With Applications, 2009, 36, 7027-7032.	4.4	93
495	A multi-modal immune algorithm for the job-shop scheduling problem. Information Sciences, 2009, 179, 1516-1532.	4.0	69
496	A hybrid heuristic to solve the parallel machines job-shop scheduling problem. Advances in Engineering Software, 2009, 40, 118-127.	1.8	28
497	Fifty years of scheduling: a survey of milestones. Journal of the Operational Research Society, 2009, 60, S41-S68.	2.1	150
498	Scheduling manufacturing systems with blocking: a Petri net approach. International Journal of Production Research, 2009, 47, 6261-6277.	4.9	23
499	A Multi-objective PSO for job-shop scheduling problems. , 2009, , .		6
500	An Improved Clonal Selection Algorithm for Job Shop Scheduling. , 2009, , .		6
501	Scheduling job shop associated with multiple routings with genetic and ant colony heuristics. International Journal of Production Research, 2009, 47, 3891-3917.	4.9	28
502	An improved genetic algorithm for the flowshop scheduling problem. International Journal of Production Research, 2009, 47, 233-249.	4.9	42
503	Permutation flow shop scheduling with earliness and tardiness penalties. International Journal of Production Research, 2009, 47, 5591-5610.	4.9	49
504	Applying a hybrid simulated annealing and tabu search approach to non-permutation flowshop scheduling problems. International Journal of Production Research, 2009, 47, 1411-1424.	4.9	42
505	An Adaptive Repulsive Particle Swarm Optimization for Makespan and Maximum Lateness Minimization in the Permutation Flowshop Scheduling Problem. , 2009, , .		1
506	New Particle Swarm Optimization Algorithm for Makespan Minimization in Permutation Flowshop Sequencing. , 2009, , .		0
507	Evaluation of Dispatching Strategies for the Optimization of a Real-World Production Plant. , 2009, , .		2
508	Bi-criteria improved genetic algorithm for scheduling in flowshops to minimise makespan and total flowtime of jobs. International Journal of Computer Integrated Manufacturing, 2009, 22, 987-998.	2.9	14
509	Notice of Retraction: An Algorithm of Confirming the Processing Sequence of Complex Multi-product. , 2009, , .		0
510	A novel hybrid quantum-inspired evolutionary algorithm for permutation flow-shop scheduling. Journal of Statistics and Management Systems, 2009, 12, 1165-1182.	0.3	4
511	A particle swarm optimization algorithm for flexible job shop scheduling problem. , 2009, , .		18

#	ARTICLE	IF	CITATIONS
512	Job-shop scheduling using hybrid shuffled frog leaping. , 2009, , .		2
513	Hybrid Simulated Annealing in Flow Shop Scheduling: a diversification and intensification approach. International Journal of Industrial and Systems Engineering, 2009, 4, 326.	0.1	11
514	Floating-point to integer mapping schemes in differential evolution for permutation flow shop scheduling. International Journal of Bio-Inspired Computation, 2010, 2, 183.	0.6	10
515	Using Matrix-Coded Genetic Algorithm for Solving the Flexible Job-Shop Scheduling. , 2010, , .		0
516	Note on the behaviour of an improvement heuristic on permutation and blocking flow-shop scheduling. International Journal of Manufacturing Technology and Management, 2010, 20, 331.	0.1	6
517	A review on Integrated Process Planning and Scheduling. International Journal of Manufacturing Research, 2010, 5, 161.	0.1	77
518	A study of maintenance contribution to joint production and preventive maintenance scheduling problems in the robustness framework. International Journal of Product Development, 2010, 10, 144.	0.2	3
519	Permutation flowshops with transportation times: mathematical models and solution methods. International Journal of Advanced Manufacturing Technology, 2010, 46, 631-647.	1.5	22
520	A parallel genetic algorithm for a flexible job-shop scheduling problem with sequence dependent setups. International Journal of Advanced Manufacturing Technology, 2010, 49, 263-279.	1.5	55
521	Solving flow shop scheduling problems by quantum differential evolutionary algorithm. International Journal of Advanced Manufacturing Technology, 2010, 49, 643-662.	1.5	54
522	An efficient architecture for scheduling flexible job-shop with machine availability constraints. International Journal of Advanced Manufacturing Technology, 2010, 51, 325-339.	1.5	30
523	A hybridization of mathematical programming and dominance-driven enumeration for solving shift-selection and task-sequencing problems. Computers and Operations Research, 2010, 37, 1298-1307.	2.4	8
524	Setting a common due date in a constrained flowshop: A variable neighbourhood search approach. Computers and Operations Research, 2010, 37, 1740-1748.	2.4	16
525	Discrepancy search for the flexible job shop scheduling problem. Computers and Operations Research, 2010, 37, 2192-2201.	2.4	63
526	K-PPM: A new exact method to solve multi-objective combinatorial optimization problems. European Journal of Operational Research, 2010, 200, 45-53.	3.5	44
527	An efficient job-shop scheduling algorithm based on particle swarm optimization. Expert Systems With Applications, 2010, 37, 2629-2636.	4.4	182
528	A Knowledge-Based Ant Colony Optimization for Flexible Job Shop Scheduling Problems. Applied Soft Computing Journal, 2010, 10, 888-896.	4.1	264
529	Dynamic scheduling in flexible job shop systems by considering simultaneously efficiency and stability. CIRP Journal of Manufacturing Science and Technology, 2010, 2, 114-123.	2.3	108

#	ARTICLE	IF	CITATIONS
530	An improved constraint satisfaction adaptive neural network for job-shop scheduling. <i>Journal of Scheduling</i> , 2010, 13, 17-38.	1.3	21
531	Flow shops with WIP and value added costs. <i>Journal of Scheduling</i> , 2010, 13, 3-16.	1.3	9
532	Polynomial-time approximation schemes for scheduling problems with time lags. <i>Journal of Scheduling</i> , 2010, 13, 553-559.	1.3	6
533	A note on makespan minimization in proportionate flow shops. <i>Information Processing Letters</i> , 2010, 111, 77-81.	0.4	5
534	An artificial immune algorithm for the flexible job-shop scheduling problem. <i>Future Generation Computer Systems</i> , 2010, 26, 533-541.	4.9	227
535	On three-machine flow shop scheduling with deteriorating jobs. <i>International Journal of Production Economics</i> , 2010, 125, 185-189.	5.1	19
536	A genetic local search algorithm for minimizing total flowtime in the permutation flowshop scheduling problem. <i>International Journal of Production Economics</i> , 2010, 127, 121-128.	5.1	42
537	An Improved Genetic Algorithm for the Distributed and Flexible Job-shop Scheduling problem. <i>European Journal of Operational Research</i> , 2010, 200, 395-408.	3.5	282
538	A multi-objective PSO for job-shop scheduling problems. <i>Expert Systems With Applications</i> , 2010, 37, 1065-1070.	4.4	131
539	A hybrid alternate two phases particle swarm optimization algorithm for flow shop scheduling problem. <i>Computers and Industrial Engineering</i> , 2010, 58, 1-11.	3.4	36
540	An effective hybrid tabu search algorithm for multi-objective flexible job-shop scheduling problems. <i>Computers and Industrial Engineering</i> , 2010, 59, 647-662.	3.4	194
541	Parallel Simulated Annealing with Genetic Enhancement for flowshop problem with Csum. <i>Computers and Industrial Engineering</i> , 2010, 59, 778-785.	3.4	20
542	A branch-and-bound algorithm for solving a two-machine flow shop problem with deteriorating jobs. <i>Computers and Operations Research</i> , 2010, 37, 83-90.	2.4	60
543	Total flow time minimization in a flowshop sequence-dependent group scheduling problem. <i>Computers and Operations Research</i> , 2010, 37, 199-212.	2.4	79
544	Mathematical modeling and evolutionary algorithm-based approach for integrated process planning and scheduling. <i>Computers and Operations Research</i> , 2010, 37, 656-667.	2.4	113
545	The distributed permutation flowshop scheduling problem. <i>Computers and Operations Research</i> , 2010, 37, 754-768.	2.4	392
546	Bicriteria problems to minimize maximum tardiness and due date assignment cost in various scheduling environments. <i>Discrete Applied Mathematics</i> , 2010, 158, 1090-1103.	0.5	13
547	Flow shops with machine maintenance: Ordered and proportionate cases. <i>European Journal of Operational Research</i> , 2010, 207, 97-104.	3.5	19

#	ARTICLE	IF	CITATIONS
548	Two-stage hybrid flow shop with recirculation. International Transactions in Operational Research, 2010, 17, 239-255.	1.8	8
549	An Ant Colony Optimization Algorithm for Flexible Job Shop Scheduling Problem. , 0, , .		2
550	An enhanced genetic algorithm with simulated annealing for job-shop scheduling. International Journal of Engineering, Science and Technology, 2010, 2, .	0.3	18
551	General Particle Swarm Optimization Algorithm for Integration of Process Planning and Scheduling. Advanced Materials Research, 2010, 118-120, 409-413.	0.3	0
552	A hybrid Pareto-based local search for multi-objective flexible job shop scheduling problem. , 2010, , .		1
553	Workshop rescheduling algorithm to solve producing anomaly. , 2010, , .		1
554	A MILP-based batch scheduling for two-stage hybrid flowshop with sequence-dependent setups in semiconductor assembly and test manufacturing. , 2010, , .		2
555	A Max-Min Ant System modeling approach for production scheduling in a FMS. , 2010, , .		0
556	A Quantum-inspired Iterated Greedy algorithm for permutation flowshops with total flowtime minimization. , 2010, , .		2
557	Modeling and scheduling of real-life assembly job shop with timed colored Petri net. , 2010, , .		1
558	Minimizing total flowtime in flow shop scheduling by a quantum-inspired swarm evolutionary algorithm. , 2010, , .		0
559	Time-varying constraints and other practical problems in real-world scheduling applications. , 2010, , .		0
560	A variable neighbourhood search algorithm for the flexible job-shop scheduling problem. International Journal of Production Research, 2010, 48, 5671-5689.	4.9	61
561	Develop a sub-population Memetic Algorithm for multi-objective scheduling problems. , 2010, , .		0
562	TWO-STAGE FLOWSHOP SCHEDULING PROBLEMS WITH IDENTICAL AND BATCH PROCESSORS. Asia-Pacific Journal of Operational Research, 2010, 27, 617-627.	0.9	2
563	TUNINGS OF PARAMETERS AND PHEROMONE UPDATE STRATEGY IN ANT COLONY OPTIMIZATION. Journal of Advanced Manufacturing Systems, 2010, 09, 73-83.	0.4	1
564	Relaxation of Job Shop Scheduling Problem Using a Bipartite Graph. , 2010, , .		1
565	A Branch and Bound Heuristic for the Flow Shop Problem. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
566	A Discrete Electromagnetism-Like Mechanism Algorithm for Solving Distributed Permutation Flowshop Scheduling Problem. , 2010, , .		27
567	A fuzzy greedy heuristic for permutation flow-shop scheduling. Journal of the Operational Research Society, 2010, 61, 813-818.	2.1	20
568	Study on Modeling of Job Shop Scheduling with Multi-resource Constraints. , 2010, , .		2
569	Investigating Memetic Algorithm for Solving the Job Shop Scheduling Problems. , 2010, , .		0
570	A scatter search algorithm for scheduling optimisation of job shop problems. International Journal of Product Development, 2010, 10, 259.	0.2	10
571	New heuristics for flow shop problem to minimize makespan. Journal of the Operational Research Society, 2010, 61, 1032-1040.	2.1	9
572	Deterministic helper-objective sequences applied to job-shop scheduling. , 2010, , .		12
573	A hybrid neural network- meta heuristics approach for permutation flow shop scheduling problems. , 2010, , .		0
574	A hybrid neural networkâ€“genetic algorithm approach for permutation flow shop scheduling. International Journal of Production Research, 2010, 48, 4217-4231.	4.9	34
575	A scatter search approach with dispatching rules for a joint decision of cell formation and parts scheduling in batches. International Journal of Production Research, 2010, 48, 3513-3534.	4.9	17
576	A hybrid algorithm to minimize makespan for the permutation flow shop scheduling problem. International Journal of Computational Intelligence Systems, 2010, 3, 853-861.	1.6	14
577	Genetic Programming Based Data Mining Approach to Dispatching Rule Selection in a Simulated Job Shop. Simulation, 2010, 86, 715-728.	1.1	10
578	Flexible job shop scheduling problem solving based on genetic algorithm with chaotic local search. , 2010, , .		3
579	Advances in Swarm Intelligence. Lecture Notes in Computer Science, 2010, , .	1.0	17
580	A novel quantum differential evolutionary algorithm for non-permutation flow shop scheduling problems. , 2010, , .		2
581	A Hybrid Discrete Particle Swarm Optimization for Job Shop Scheduling. , 2010, , .		1
582	Job-shop scheduling problem with multiple process routes considering lot split and setup time. , 2010, , .		0
583	An evolutionary approach using fuzzy greedy initialization to permutation flow-shop scheduling with the makespan criterion. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
584	Complex Services Availability in Service Oriented Systems. , 2011, , .		11
585	Online strategies for optimizing medical supply in disaster scenarios. , 2011, , .		3
586	An effective multi-swarm collaborative evolutionary algorithm for flexible job shop scheduling problem. , 2011, , .		4
587	Production fine planning using a solution archive of priority rules. , 2011, , .		9
588	Extremal optimization for solving job shop scheduling problem. , 2011, , .		1
589	IP-Based Real-Time Dispatching for Two-Machine Batching Problem With Time Window Constraints. IEEE Transactions on Automation Science and Engineering, 2011, 8, 589-597.	3.4	11
590	A hybrid genetic algorithm for the distributed permutation flowshop scheduling problem. International Journal of Computational Intelligence Systems, 2011, 4, 497-508.	1.6	79
591	A Hybrid Algorithm for Flexible Job-Shop Scheduling Problem. Procedia Engineering, 2011, 15, 3678-3683.	1.2	28
592	A genetic algorithm for permutation flowshop scheduling with total flowtime criterion. , 2011, , .		4
593	A two-stage PSO algorithm for job shop scheduling problem. International Journal of Management Science and Engineering Management, 2011, 6, 83-92.	2.6	12
594	Hybrid GA-based metaheuristics for production planning and scheduling optimization in intelligent flow-shop manufacturing systems. , 2011, , .		0
595	Production scheduling in a market-driven foundry: a mathematical programming approach versus a project scheduling metaheuristic algorithm. Optimization and Engineering, 2012, 13, 663.	1.3	7
596	Quantum-Inspired Differential Evolutionary Algorithm for Permutative Scheduling Problems. , 0, , .		2
597	An improved sheep flock heredity algorithm for job shop scheduling and flow shop scheduling problems. International Journal of Industrial Engineering Computations, 2011, 2, 749-764.	0.4	18
598	A new mathematical model for the job shop scheduling problem with uncertain processing times. International Journal of Industrial Engineering Computations, 2011, 2, 295-306.	0.4	14
600	Hybrid VNS and memetic algorithm for solving the job shop scheduling problem. , 2011, , .		2
601	Minimizing total completion time for re-entrant flow shop scheduling problems. Theoretical Computer Science, 2011, 412, 6712-6719.	0.5	11
602	Makespan and workstation utilization minimization in a flowshop with operations flexibility. Omega, 2011, 39, 273-282.	3.6	16

#	ARTICLE	IF	CITATIONS
603	A new approach to scheduling in manufacturing for power consumption and carbon footprint reduction. <i>Journal of Manufacturing Systems</i> , 2011, 30, 234-240.	7.6	465
604	A hybrid single and dual population search procedure for the job shop scheduling problem. <i>European Journal of Operational Research</i> , 2011, 215, 512-523.	3.5	23
605	Two stage reentrant hybrid flow shop with setup times and the criterion of minimizing makespan. <i>Applied Soft Computing Journal</i> , 2011, 11, 4530-4539.	4.1	49
606	Applying a hybrid job shop procedure to a Belgian manufacturing company producing industrial wheels and castors in rubber. <i>Computers and Industrial Engineering</i> , 2011, 61, 697-708.	3.4	5
607	A Matheuristic Approach for the Total Completion Time Two-Machines Permutation Flow Shop Problem. <i>Lecture Notes in Computer Science</i> , 2011, , 38-47.	1.0	11
608	An efficient hybridized genetic algorithm architecture for the flexible job shop scheduling problem. <i>Flexible Services and Manufacturing Journal</i> , 2011, 23, 64-85.	1.9	48
609	A DSS for job scheduling under process interruptions. <i>Flexible Services and Manufacturing Journal</i> , 2011, 23, 137-155.	1.9	5
610	An artificial neural network based heuristic for flow shop scheduling problems. <i>Journal of Intelligent Manufacturing</i> , 2011, 22, 279-288.	4.4	33
611	A two-stage genetic algorithm for multi-objective job shop scheduling problems. <i>Journal of Intelligent Manufacturing</i> , 2011, 22, 355-365.	4.4	40
612	Minimizing makespan in an ordered flow shop with machine-dependent processing times. <i>Journal of Combinatorial Optimization</i> , 2011, 22, 797-818.	0.8	12
613	Improving the anytime behavior of two-phase local search. <i>Annals of Mathematics and Artificial Intelligence</i> , 2011, 61, 125-154.	0.9	32
614	A genetic algorithm for dynamic facility planning in job shop manufacturing. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 52, 303-309.	1.5	26
615	A hybrid tabu search algorithm with an efficient neighborhood structure for the flexible job shop scheduling problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 52, 683-697.	1.5	137
616	A hybrid scatter search for the partial job shop scheduling problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 52, 1031-1038.	1.5	24
617	A new heuristic for minimizing total completion time objective in permutation flow shop scheduling. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 53, 1189-1197.	1.5	10
618	A hybrid algorithm based on particle swarm optimization and simulated annealing for a periodic job shop scheduling problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 54, 309-322.	1.5	45
619	Ant colony optimization technique for the sequence-dependent flowshop scheduling problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 55, 317-326.	1.5	34
620	Multi-objective optimization algorithms for flow shop scheduling problem: a review and prospects. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 55, 723-739.	1.5	81

#	ARTICLE	IF	CITATIONS
621	Pareto-based discrete artificial bee colony algorithm for multi-objective flexible job shop scheduling problems. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 55, 1159-1169.	1.5	250
622	Makespan minimization for m-machine permutation flowshop scheduling problem with learning considerations. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 56, 355-367.	1.5	11
623	Scheduling of a hub reentrant job shop to minimize makespan. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 56, 743-753.	1.5	6
624	A two-machine flowshop problem with two agents. <i>Computers and Operations Research</i> , 2011, 38, 98-104.	2.4	49
625	An asynchronous genetic local search algorithm for the permutation flowshop scheduling problem with total flowtime minimization. <i>Expert Systems With Applications</i> , 2011, 38, 7970-7979.	4.4	34
626	Minimizing total weighted completion time in a two-machine flow shop scheduling under simple linear deterioration. <i>Applied Mathematics and Computation</i> , 2011, 217, 4819-4826.	1.4	51
627	Estimation of distribution algorithm for permutation flow shops with total flowtime minimization. <i>Computers and Industrial Engineering</i> , 2011, 60, 706-718.	3.4	49
628	Flow shop scheduling to minimize makespan with decreasing time-dependent job processing times. <i>Computers and Industrial Engineering</i> , 2011, 60, 840-844.	3.4	17
629	An effective genetic algorithm for the flexible job-shop scheduling problem. <i>Expert Systems With Applications</i> , 2011, 38, 3563-3573.	4.4	421
630	A hybridization of simulated annealing and electromagnetism-like mechanism for a periodic job shop scheduling problem. <i>Expert Systems With Applications</i> , 2011, 38, 5895-5901.	4.4	31
631	An efficient memetic algorithm for solving the job shop scheduling problem. <i>Computers and Industrial Engineering</i> , 2011, 60, 699-705.	3.4	81
632	A hybrid TP+PLS algorithm for bi-objective flow-shop scheduling problems. <i>Computers and Operations Research</i> , 2011, 38, 1219-1236.	2.4	83
633	Minimizing total completion time in two-stage hybrid flow shop with dedicated machines. <i>Computers and Operations Research</i> , 2011, 38, 1045-1053.	2.4	24
634	Two-machine flow shop scheduling problem with an outsourcing option. <i>European Journal of Operational Research</i> , 2011, 213, 66-72.	3.5	38
635	FMS scheduling with knowledge based genetic algorithm approach. <i>Expert Systems With Applications</i> , 2011, 38, 3161-3171.	4.4	62
636	An improved adaptive genetic algorithm based on hormone modulation mechanism for job-shop scheduling problem. <i>Expert Systems With Applications</i> , 2011, 38, 7243-7250.	4.4	82
637	A Pareto approach to multi-objective flexible job-shop scheduling problem using particle swarm optimization and local search. <i>International Journal of Production Economics</i> , 2011, 129, 14-22.	5.1	259
638	Machine scheduling in custom furniture industry through neuro-evolutionary hybridization. <i>Applied Soft Computing Journal</i> , 2011, 11, 1600-1613.	4.1	18

#	ARTICLE	IF	CITATIONS
639	Helper-objective optimization strategies for the Job-Shop Scheduling Problem. Applied Soft Computing Journal, 2011, 11, 4161-4174.	4.1	44
640	Tabu Search with two approaches to parallel flowshop evaluation on CUDA platform. Journal of Parallel and Distributed Computing, 2011, 71, 802-811.	2.7	30
641	Combining PSO and local search to solve scheduling problems. , 2011, , .		3
642	Schedule optimization for data processing flows on the cloud. , 2011, , .		99
643	Runway Scheduling Using Generalized Dynamic Programming. , 2011, , .		9
644	On scheduling in map-reduce and flow-shops. , 2011, , .		79
645	A math-heuristic approach for integrated resource scheduling in a maritime logistics facility. , 2011, , .		2
646	Two- and three-machine flowshop scheduling problems with optional final operation. Journal of the Chinese Institute of Industrial Engineers, 2011, 28, 55-71.	0.5	2
647	Job shop scheduling based on ACO with a hybrid solution construction strategy. , 2011, , .		4
648	Reinforcement Learning Based Job Shop Scheduling with Machine Choice. Advanced Materials Research, 0, 314-316, 2172-2176.	0.3	0
649	Flexible Job Shop Scheduling Multi-Objective Optimization Based on Improved Strength Pareto Evolutionary Algorithm. Advanced Materials Research, 0, 186, 546-551.	0.3	3
650	Study on Parameters Configuration for Ant Colony Optimization. Advanced Materials Research, 0, 279, 371-376.	0.3	2
651	Study on the Repair Methods Responding to Disturbance during Production Scheduling. Advanced Materials Research, 0, 383-390, 4546-4551.	0.3	0
652	A New Solution Seed for Job Shop Scheduling Problem. Applied Mechanics and Materials, 0, 110-116, 3899-3905.	0.2	1
653	Comparison of Heuristic for Flow Shop Scheduling Problems with Sequence Dependent Setup Time. Advanced Materials Research, 2011, 339, 332-335.	0.3	6
654	A Self-Learning Algorithm Based on Support Vector Machine for Scheduling a Job-Shop-Like Knowledgeable Manufacturing Cell. Applied Mechanics and Materials, 2011, 148-149, 369-373.	0.2	0
655	Smart Work Workbench; Integrated Tool for IT Services Planning, Management, Execution and Evaluation. Lecture Notes in Computer Science, 2011, , 557-571.	1.0	10
656	Combining Constraint Programming and Local Search for Job-Shop Scheduling. INFORMS Journal on Computing, 2011, 23, 1-14.	1.0	51

#	ARTICLE	IF	CITATIONS
657	An efficient hybrid particle swarm optimization for the Job Shop Scheduling Problem. , 2011, , .		6
659	A quantum inspired algorithm for the job shop scheduling problem. , 2011, , .		1
660	A Machine Operation Lists based Memetic Algorithm for Job Shop Scheduling. , 2011, , .		6
661	Optimization of Flow Shop Scheduling Problem Using Differential Evolution and Variable Neighborhood Search. Advanced Materials Research, 0, 590, 540-544.	0.3	0
662	A Tabu Search Algorithm for the Stage Shop Problem. Advanced Materials Research, 0, 433-440, 3124-3129.	0.3	1
663	Using the Memetic Algorithm for Multi Objective Job Shop Scheduling Problems. Advanced Materials Research, 2012, 544, 245-250.	0.3	1
664	The Research of Heuristic Algorithm for Flow Shop Scheduling Problem. Advanced Materials Research, 0, 605-607, 528-531.	0.3	0
665	A New Neighborhood for the Job Shop Scheduling Problem. Advanced Materials Research, 0, 433-440, 1540-1544.	0.3	0
666	Hybrid particle swarm optimization and convergence analysis for scheduling problems. , 2012, , .		1
667	New approximation algorithms for two-machine flow shop total completion time problem. , 2012, , .		0
668	On the population diversity control of evolutionary algorithms for production scheduling problems. , 2012, , .		1
669	An Improved Ant Colony Optimization Algorithm for Permutation Flowshop Scheduling to Minimize Makespan. , 2012, , .		1
670	Supply chain scheduling: makespan reduction potential. International Journal of Logistics Research and Applications, 2012, 15, 323-336.	5.6	6
671	A product handling technical architecture for multiagent-based mechatronic systems. , 2012, , .		1
672	Scheduling operator attention for Multi-Robot Control. , 2012, , .		21
673	A hybrid Pareto-based local search algorithm for multi-objective flexible job shop scheduling problems. International Journal of Production Research, 2012, 50, 1063-1078.	4.9	36
674	APPLYING METAHEURISTIC STRATEGIES IN CONSTRUCTION PROJECTS MANAGEMENT. Journal of Civil Engineering and Management, 2012, 18, 621-630.	1.9	39
675	A comparison of priority rules for the job shop scheduling problem under different flow time- and tardiness-related objective functions. International Journal of Production Research, 2012, 50, 4255-4270.	4.9	112

#	ARTICLE	IF	CITATIONS
676	Pareto-based discrete harmony search algorithm for flexible job shop scheduling. , 2012, , .		2
677	A Hybrid Multiobjective Evolutionary Approach for Flexible Job-Shop Scheduling Problems. Mathematical Problems in Engineering, 2012, 2012, 1-27.	0.6	17
678	Solving Flexible Job-Shop Scheduling Problem Using Gravitational Search Algorithm and Colored Petri Net. Journal of Applied Mathematics, 2012, 2012, 1-20.	0.4	9
679	Decision support system for rehabilitation scheduling to enhance the service quality and the effectiveness of hospital resource management. Journal of the Chinese Institute of Industrial Engineers, 2012, 29, 348-363.	0.5	10
680	A Heuristic Algorithm for Flowshop Scheduling Problem. Advanced Materials Research, 0, 591-593, 626-630.	0.3	0
681	Flexible job-shop scheduling problem by genetic algorithm and learning by partial injection of sequences. Journal of Evidence-Based Medicine, 2012, 3, 22.	0.7	0
682	Solving flexible job-shop scheduling problem using hybrid particle swarm optimisation algorithm and data mining. International Journal of Manufacturing Technology and Management, 2012, 26, 81.	0.1	10
683	HHS/LNS: An integrated search method for flexible job shop scheduling. , 2012, , .		0
684	A New Approach to Generate Dispatching Rules for Two Machine Flow Shop Scheduling Using Data Mining. Procedia Engineering, 2012, 38, 238-245.	1.2	9
685	Hybridizing VNS and path-relinking on a particle swarm framework to minimize total flowtime. Expert Systems With Applications, 2012, 39, 13118-13126.	4.4	12
686	Integer programming-based real-time dispatching (<i>i</i> -RTD) heuristic for wet-etch station at wafer fabrication. International Journal of Production Research, 2012, 50, 2809-2822.	4.9	10
687	Unsupervised Clustering Method for the Capacited Vehicle Routing Problem. , 2012, , .		1
688	Research on repair operators in the whole space search genetic algorithm of assembly job shop scheduling problem. , 2012, , .		1
689	An efficient ILS heuristic for total flow time minimization in a Flow Shop Sequence Dependent Group Scheduling problem. , 2012, , .		4
690	Solving the flexible job-shop scheduling problem with quantum-inspired algorithm. , 2012, , .		0
691	To Solve the Job Shop Scheduling Problem with the Improve Quantum Genetic Algorithm. , 2012, , .		1
692	Minimizing makespan in job-shop scheduling problem using an improved adaptive particle swarm optimization algorithm. , 2012, , .		2
693	A genetic algorithm for job shop scheduling with limited part-changing times. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
694	Incorporating a Genetic Algorithm to improve the performance of Variable Neighborhood Search. , 2012, , .		1
695	A meta-heuristic approach for solving the no-wait flow-shop problem. International Journal of Production Research, 2012, 50, 7313-7326.	4.9	39
696	A hybrid computer simulation-artificial neural network algorithm for optimisation of dispatching rule selection in stochastic job shop scheduling problems. International Journal of Production Research, 2012, 50, 551-566.	4.9	52
697	A Quantum-inspired Iterated Greedy algorithm for permutation flowshops in a collaborative manufacturing environment. International Journal of Computer Integrated Manufacturing, 2012, 25, 924-933.	2.9	7
698	Two enhanced differential evolution algorithms for job shop scheduling problems. International Journal of Production Research, 2012, 50, 2757-2773.	4.9	30
699	Two-machine flow shop total tardiness scheduling problem with deteriorating jobs. Applied Mathematical Modelling, 2012, 36, 5418-5426.	2.2	16
700	Research on a JIT scheduling problem in parallel motorcycle assembly lines considering actual situations. International Journal of Production Research, 2012, 50, 4923-4936.	4.9	1
701	An efficient knowledge-based algorithm for the flexible job shop scheduling problem. Knowledge-Based Systems, 2012, 36, 236-244.	4.0	53
702	A memetic algorithm for job shop scheduling using a critical-path-based local search heuristic. Memetic Computing, 2012, 4, 231-245.	2.7	16
703	An improved differential evolution for permutation flowshop scheduling problem with total flowtime criterion. , 2012, , .		0
704	Jobshop lot streaming with routing flexibility, sequence-dependent setups, machine release dates and lag time. International Journal of Production Research, 2012, 50, 2331-2352.	4.9	49
705	Joint Entity Resolution. , 2012, , .		23
706	An improved Intelligent Water Drops algorithm for achieving optimal job-shop scheduling solutions. International Journal of Production Research, 2012, 50, 4192-4205.	4.9	52
707	A sample average approximation approach to stochastic appointment sequencing and scheduling. IIE Transactions, 2012, 44, 655-670.	2.1	92
708	Bi-objective partial flexible job shop scheduling problem: NSGA-II, NPGA, MOGA and PAES approaches. International Journal of Production Research, 2012, 50, 7327-7342.	4.9	96
709	A Bottleneck-Assignment Based Branch-and-Bound Algorithm to Minimize the Makespan in an m-Machine Permutation Flowshop. Technology Operation Management, 2012, 3, 1-10.	0.0	1
710	An artificial immune algorithm for multiple-route job shop scheduling problem. International Journal of Advanced Manufacturing Technology, 2012, 63, 77-86.	1.5	14
711	A hybrid metaheuristic for concurrent layout and scheduling problem in a job shop environment. International Journal of Advanced Manufacturing Technology, 2012, 62, 1249-1260.	1.5	18

#	ARTICLE	IF	CITATIONS
712	A genetic algorithm and particle swarm optimization for no-wait flow shop problem with separable setup times and makespan criterion. International Journal of Advanced Manufacturing Technology, 2012, 61, 1101-1114.	1.5	22
714	Research on Algorithms Performance about JSP Scheduling. Advanced Materials Research, 0, 457-458, 20-25.	0.3	0
715	A Uniprocessor Scheduling Policy for Non-Preemptive Task Sets with Precedence and Temporal Constraints. , 2012, , .		0
716	Hybridization of Genetic Algorithm with Parallel Implementation of Simulated Annealing for Job Shop Scheduling. American Journal of Applied Sciences, 2012, 9, 1694-1705.	0.1	8
717	Optimization a new mathematical model of hybrid flow shop work order problem by the Genetic Algorithm. International Journal of Engineering and Technology(UAE), 2012, 1, 192.	0.2	0
718	Job-Shop Scheduling in a Make-to-Order Company: An application of "Palmer's Heuristic Approach" and "Two Machine Fictitious Rule". Journal of the Institution of Engineers (India): Series C, 2012, 93, 103-109.	0.7	1
719	A hybrid EDA with ACS for solving permutation flow shop scheduling. International Journal of Advanced Manufacturing Technology, 2012, 60, 1139-1147.	1.5	26
720	A GES/TS algorithm for the job shop scheduling. Computers and Industrial Engineering, 2012, 62, 946-952.	3.4	21
721	Bi-criteria minimization for the permutation flowshop scheduling problem with machine-based learning effects. Computers and Industrial Engineering, 2012, 63, 302-312.	3.4	11
722	A new ant colony algorithm for makespan minimization in permutation flow shops. Computers and Industrial Engineering, 2012, 63, 355-361.	3.4	62
723	An effective shuffled frog-leaping algorithm for multi-objective flexible job shop scheduling problems. Applied Mathematics and Computation, 2012, 218, 9353-9371.	1.4	125
724	The periodicity and robustness in a single-track train scheduling problem. Applied Soft Computing Journal, 2012, 12, 440-452.	4.1	32
725	Two-machine flow-shop scheduling with rejection. Computers and Operations Research, 2012, 39, 1087-1096.	2.4	32
726	A hybrid discrete differential evolution algorithm for the no-idle permutation flow shop scheduling problem with makespan criterion. Computers and Operations Research, 2012, 39, 2152-2160.	2.4	84
727	Non-permutation flowshop scheduling in a supply chain with sequence-dependent setup times. International Journal of Production Economics, 2012, 135, 953-963.	5.1	28
728	Approximating a two-machine flow shop scheduling under discrete scenario uncertainty. European Journal of Operational Research, 2012, 217, 36-43.	3.5	53
729	Solving the serial batching problem in job shop manufacturing systems. European Journal of Operational Research, 2012, 221, 14-26.	3.5	69
730	Job Shop Scheduling with the Best-so-far ABC. Engineering Applications of Artificial Intelligence, 2012, 25, 583-593.	4.3	107

#	ARTICLE	IF	CITATIONS
731	Solving a periodic single-track train timetabling problem by an efficient hybrid algorithm. Engineering Applications of Artificial Intelligence, 2012, 25, 793-800.	4.3	38
732	An estimation of distribution algorithm for lot-streaming flow shop problems with setup times. Omega, 2012, 40, 166-180.	3.6	133
733	A linear time approximation algorithm for permutation flow shop scheduling. Theoretical Computer Science, 2012, 416, 87-94.	0.5	0
734	Optimization of schedule stability and efficiency under processing time variability and random machine breakdowns in a job shop environment. Naval Research Logistics, 2012, 59, 26-38.	1.4	24
735	A hybrid two-phase encoding particle swarm optimization for total weighted completion time minimization in proportionate flexible flow shop scheduling. International Journal of Advanced Manufacturing Technology, 2012, 58, 339-357.	1.5	13
736	Single machine scheduling with delivery dates and cumulative payoffs. Journal of Scheduling, 2013, 16, 313-329.	1.3	15
737	A two-phase algorithm for multiple-route job shop scheduling problem subject to makespan. International Journal of Advanced Manufacturing Technology, 2013, 67, 203-216.	1.5	8
738	Evaluation of the impact of information delays on flexible manufacturing systems performance in dynamic scheduling environments. International Journal of Advanced Manufacturing Technology, 2013, 67, 311-338.	1.5	15
739	Two-machine, no-wait job shop problem with separable setup times and single-server constraints. International Journal of Advanced Manufacturing Technology, 2013, 65, 295-308.	1.5	8
740	An integrated search heuristic for large-scale flexible job shop scheduling problems. Computers and Operations Research, 2013, 40, 2864-2877.	2.4	65
741	Bi-criteria group scheduling in hybrid flowshops. International Journal of Production Economics, 2013, 145, 599-612.	5.1	31
742	A hybrid harmony search algorithm for the flexible job shop scheduling problem. Applied Soft Computing Journal, 2013, 13, 3259-3272.	4.1	143
743	A Swarm Intelligence Approach to Flexible Job-Shop Scheduling Problem with No-Wait Constraint in Remanufacturing. Lecture Notes in Computer Science, 2013, , 593-602.	1.0	6
744	A new encoding scheme-based hybrid algorithm for minimising two-machine flow-shop group scheduling problem. International Journal of Systems Science, 2013, 44, 77-93.	3.7	20
745	Particle Swarm Optimization Combined with Tabu Search in a Multi-agent Model for Flexible Job Shop Problem. Lecture Notes in Computer Science, 2013, , 385-394.	1.0	13
746	Flexible job shop scheduling using hybrid differential evolution algorithms. Computers and Industrial Engineering, 2013, 65, 246-260.	3.4	88
747	Evolutionary generation of dispatching rule sets for complex dynamic scheduling problems. International Journal of Production Economics, 2013, 145, 67-77.	5.1	116
748	Flow shop scheduling with peak power consumption constraints. Annals of Operations Research, 2013, 206, 115-145.	2.6	154

#	ARTICLE	IF	CITATIONS
749	Hybrid discrete particle swarm optimization for multi-objective flexible job-shop scheduling problem. International Journal of Advanced Manufacturing Technology, 2013, 67, 2885-2901.	1.5	95
750	Joint entity resolution on multiple datasets. VLDB Journal, 2013, 22, 773-795.	2.7	14
751	A simple and effective evolutionary algorithm for multiobjective flexible job shop scheduling. International Journal of Production Economics, 2013, 141, 87-98.	5.1	104
752	An artificial immune system heuristic for two-stage multi-machine assembly scheduling problem to minimize total completion time. Journal of Manufacturing Systems, 2013, 32, 825-830.	7.6	32
753	A memetic algorithm for Permutation Flow Shop Problems. , 2013, , .		11
754	An improved intelligent water drops algorithm for solving multi-objective job shop scheduling. Engineering Applications of Artificial Intelligence, 2013, 26, 2431-2442.	4.3	48
755	LiPS: A Cost-Efficient Data and Task Co-Scheduler for MapReduce. , 2013, , .		4
756	Ant colony optimization using pheromone updating strategy to solve job shop scheduling. , 2013, , .		8
757	Lower bounds for the makespan minimization in job shops. , 2013, , .		1
758	A two-stage hybrid flow shop with dedicated machines at the first stage. Computers and Operations Research, 2013, 40, 2836-2843.	2.4	14
759	Combining Two Search Paradigms for Multi-objective Optimization: Two-Phase and Pareto Local Search. Studies in Computational Intelligence, 2013, , 97-117.	0.7	15
760	Dynamics in Logistics. Lecture Notes in Logistics, 2013, , .	0.6	1
761	Mathematical modelling and a meta-heuristic for flexible job shop scheduling. International Journal of Production Research, 2013, 51, 6247-6274.	4.9	70
762	Robust scheduling for multi-objective flexible job-shop problems with random machine breakdowns. International Journal of Production Economics, 2013, 141, 112-126.	5.1	177
763	A novel hybrid meta-heuristic algorithm for solving multi objective flexible job shop scheduling. Journal of Manufacturing Systems, 2013, 32, 771-780.	7.6	59
764	A GEP-based reactive scheduling policies constructing approach for dynamic flexible job shop scheduling problem with job release dates. Journal of Intelligent Manufacturing, 2013, 24, 763-774.	4.4	109
765	Comparison of solution space exploration by NSGA2 and SPEA2 for Flexible Job Shop Problem. , 2013, , .		1
766	Permutation Flow Shop Scheduling with dynamic job order arrival. , 2013, , .		3

#	ARTICLE	IF	CITATIONS
767	Local search heuristics for the Flowshop Sequence Dependent Group Scheduling problem. , 2013, , .		2
768	Minimising makespan in distributed permutation flowshops using a modified iterated greedy algorithm. International Journal of Production Research, 2013, 51, 5029-5038.	4.9	162
769	Process plan and part routing optimization in a dynamic flexible job shop scheduling environment: an optimization via simulation approach. Neural Computing and Applications, 2013, 23, 1631-1641.	3.2	26
770	The m-Machine Flow Shop. Profiles in Operations Research, 2013, , 97-160.	0.3	0
771	Review of the ordered and proportionate flow shop scheduling research. Naval Research Logistics, 2013, 60, 46-55.	1.4	50
773	Joint optimization of overlapping phases in MapReduce. Performance Evaluation, 2013, 70, 720-735.	0.9	51
774	Two-machine flow shop scheduling of polyurethane foam production. International Journal of Production Economics, 2013, 141, 286-294.	5.1	3
775	An assignment-based lower bound for a class of two-machine flow shop problems. Computers and Operations Research, 2013, 40, 1693-1699.	2.4	11
776	Non-permutation flowshop scheduling with dual resources. Expert Systems With Applications, 2013, 40, 5061-5076.	4.4	26
777	Reentrant Flow Shops. Profiles in Operations Research, 2013, , 269-289.	0.3	1
778	Scheduling flow lines with buffers by ant colony digraph. Expert Systems With Applications, 2013, 40, 3328-3340.	4.4	17
779	A hybrid discrete artificial bee colony algorithm for permutation flowshop scheduling problem. Applied Soft Computing Journal, 2013, 13, 1459-1463.	4.1	113
780	A new three-machine shop scheduling: complexity and approximation algorithm. Journal of Combinatorial Optimization, 2013, 26, 799-810.	0.8	1
781	Multi-objective sequence dependent setup times permutation flowshop: A new algorithm and a comprehensive study. European Journal of Operational Research, 2013, 227, 301-313.	3.5	128
782	A Hybrid Particle Swarm Optimization Algorithm for the Permutation Flowshop Scheduling Problem. Springer Proceedings in Mathematics and Statistics, 2013, , 91-101.	0.1	1
783	Particle swarm optimization with expanding neighborhood topology for the permutation flowshop scheduling problem. Soft Computing, 2013, 17, 1159-1173.	2.1	56
784	A multi-restart iterated local search algorithm for the permutation flow shop problem minimizing total flow time. Computers and Operations Research, 2013, 40, 627-632.	2.4	49
785	Evaluation of mathematical models for flexible job-shop scheduling problems. Applied Mathematical Modelling, 2013, 37, 977-988.	2.2	144

#	ARTICLE	IF	CITATIONS
786	Application of Node Based Coincidence algorithm for flow shop scheduling problems. , 2013, , .		2
787	An efficient tabu search algorithm for the distributed permutation flowshop scheduling problem. International Journal of Production Research, 2013, 51, 641-651.	4.9	178
788	An effective estimation of distribution algorithm for solving the distributed permutation flow-shop scheduling problem. International Journal of Production Economics, 2013, 145, 387-396.	5.1	186
789	Bi-criteria group scheduling with sequence-dependent setup time in a flow shop. Journal of the Operational Research Society, 2013, 64, 530-546.	2.1	12
790	Hybrid firefly-simulated annealing algorithm for the flow shop problem with learning effects and flexible maintenance activities. International Journal of Production Research, 2013, 51, 3501-3515.	4.9	63
791	Batch scheduling problem for a machinery factory with fixed-position layout. International Journal of Production Research, 2013, 51, 910-926.	4.9	10
792	Ant colony optimization with adaptive heuristics design. , 2013, , .		1
793	Refined ranking relations for multi objective optimization and application to P-ACO. , 2013, , .		1
794	STREX. , 2013, , .		17
795	Report Duration Computation Schemes in Reduced-Buffer Optical Network Units for Passive Optical Networks. Journal of Optical Communications and Networking, 2013, 5, 1157.	3.3	0
796	Heuristic for Stochastic Online Flowshop Problem with Preemption Penalties. Discrete Dynamics in Nature and Society, 2013, 2013, 1-10.	0.5	2
797	An Adaptive Differential Evolution Algorithm for Flow Shop Scheduling to Minimize Makespan. Applied Mechanics and Materials, 2013, 411-414, 2089-2092.	0.2	0
798	A high-performing constructive heuristic for minimizing makespan in permutation flowshops. Journal of Industrial and Production Engineering, 2013, 30, 355-362.	2.1	14
799	Scalable Distributed Branch and Bound for the Permutation Flow Shop Problem. , 2013, , .		6
800	An Improved Genetic Algorithm for Flexible Job-Shop Scheduling Problems. Advanced Materials Research, 2013, 798-799, 345-348.	0.3	0
801	Advances in Multiobjective Hybrid Genetic Algorithms for Intelligent Manufacturing and Logistics Systems. Lecture Notes in Computer Science, 2013, , , 379-389.	1.0	0
802	Job-shop production scheduling with reverse flows. , 2013, , .		0
803	A hybrid water flow algorithm for multi-objective flexible flow shop scheduling problems. Engineering Optimization, 2013, 45, 483-502.	1.5	25

#	ARTICLE	IF	CITATIONS
804	A novel adaptive hybrid framework for job shop scheduling problem. , 2013, , .		0
805	A priority scheduling approach for flexible job shops with multiple process plans. International Journal of Production Research, 2013, 51, 3748-3764.	4.9	46
806	New approximation algorithms for flow shop total completion time problem. Engineering Optimization, 2013, 45, 1091-1105.	1.5	11
807	Lower and upper bounds for the job shop scheduling problem with min-sum criteria. , 2013, , .		0
808	A memetic algorithm for the multi-objective flexible job shop scheduling problem. , 2013, , .		7
809	STREX. Computer Architecture News, 2013, 41, 273-284.	2.5	2
810	Performance modelling of a flexible job shop by simulation and rerouting. International Journal of Modelling in Operations Management, 2013, 3, 165.	0.0	0
811	Parallel branch-and-bound and parallel PSO algorithms for job shop scheduling problem with blocking. International Journal of Operational Research, 2013, 16, 14.	0.1	18
812	An Efficiency-Aware Scheduling for Data-Intensive Computations on MapReduce Clusters. IEICE Transactions on Information and Systems, 2013, E96.D, 2654-2662.	0.4	1
813	Improved Intelligent Water Drops Optimization for Single and Multiple Objective Job Shop Scheduling. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 128-133.	0.4	4
814	Imperfect Automation in Scheduling Operator Attention on Control of Multi-Robots. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 1169-1173.	0.2	7
815	Condition based Maintenance applied to Reduce Unavailability of Machines in Flexible Job Shop Scheduling Problem. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 1405-1410.	0.4	6
816	Reducing thread divergence in a GPUâ€accelerated branchâ€andâ€bound algorithm. Concurrency Computation Practice and Experience, 2013, 25, 1121-1136.	1.4	38
817	Comparative study of heuristics algorithms in solving flexible job shop scheduling problem with condition based maintenance. Journal of Industrial Engineering and Management, 2014, 7, .	1.0	2
818	A PSO-Based Hybrid Metaheuristic for Permutation Flowshop Scheduling Problems. Scientific World Journal, The, 2014, 2014, 1-8.	0.8	5
819	Hybrid Biogeography-Based Optimization for Integer Programming. Scientific World Journal, The, 2014, 2014, 1-9.	0.8	9
820	A Pareto archive floating search procedure for solving multi-objective flexible job shop scheduling problem. Decision Science Letters, 2014, 3, 157-168.	0.5	11
821	Job shop scheduling with makespan objective: A heuristic approach. International Journal of Industrial Engineering Computations, 2014, 5, 273-280.	0.4	1

#	ARTICLE	IF	CITATIONS
822	A competitive memetic algorithm for the distributed flow shop scheduling problem. , 2014, , .		10
823	Analysis of dispatching rules in a stochastic dynamic job shop manufacturing system with sequence-dependent setup times. <i>Frontiers of Mechanical Engineering</i> , 2014, 9, 380-389.	2.5	17
824	Agent-based modelling of movement rules in DRC systems for volume flexibility: human factors and technical performance. <i>International Journal of Production Research</i> , 2014, 52, 633-650.	4.9	31
825	Cat swarm optimization to solve job shop scheduling problem. , 2014, , .		16
826	A memetic algorithm for solving flexible Job-Shop Scheduling Problems. , 2014, , .		8
827	GPU accelerated NEH algorithm. , 2014, , .		4
828	A memetic algorithm based on Immune multi-objective optimization for flexible job-shop scheduling problems. , 2014, , .		10
829	A Heuristic Algorithm for Flow Shop Scheduling Problem. <i>Applied Mechanics and Materials</i> , 2014, 643, 374-379.	0.2	0
830	A Heuristic for Permutation Flowshop Scheduling to Minimize Makespan. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 423-432.	0.5	2
831	Scheduling of Discrete Manufacturing Process for Energy Saving. <i>Applied Mechanics and Materials</i> , 0, 556-562, 4248-4254.	0.2	4
832	An Improve Firefly Algorithm and its Application in Nonlinear Equation Groups. <i>Advanced Materials Research</i> , 0, 1049-1050, 1670-1674.	0.3	0
833	The Nonpermutation Flowshop Scheduling Problem: Adjustment and Bounding Procedures. <i>Journal of Applied Mathematics</i> , 2014, 2014, 1-14.	0.4	6
834	A Scheduling Problem in the Baking Industry. <i>Journal of Applied Mathematics</i> , 2014, 2014, 1-14.	0.4	1
835	Supply Chain Scheduling: Makespan reduction potential. , 2014, , 97-113.		0
836	Comparison of Binding Approaches of Scheduled Multiphase Application onto Linear Multicore Architecture. , 2014, , .		0
837	Nonlinear threshold accepting meta-heuristic for combinatorial optimisation problems. <i>International Journal of Metaheuristics</i> , 2014, 3, 265.	0.1	17
838	Event graph modeling of a heterogeneous job shop with inline cells. , 2014, , .		3
839	An extension of flexible job shop problem (FJSP) and method for solving. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
840	On the Fairness-Efficiency Tradeoff for Packet Processing with Multiple Resources. , 2014, , .		15
841	NSGA-II with iterated greedy for a bi-objective three-stage assembly flowshop scheduling problem. , 2014, , .		6
842	A memetic algorithm for solving permutation flow shop problems with known and unknown machine breakdowns. , 2014, , .		2
843	An Improved Intelligent Water Drops Optimization Algorithm for Achieving Single and Multiple Objective Job Shop Scheduling Solutions. , 2014, , 1-21.		0
844	Algorithm Comparison by Automatically Configurable Stochastic Local Search Frameworks: A Case Study Using Flow-Shop Scheduling Problems. Lecture Notes in Computer Science, 2014, , 30-44.	1.0	0
845	An Improved Bat Algorithm and its Application in Permutation Flow Shop Scheduling Problem. Advanced Materials Research, 0, 1049-1050, 1359-1362.	0.3	1
846	Towards an artificial immune system for scheduling jobs and preventive maintenance operations in flowshop problems. , 2014, , .		6
847	Power control for wireless streaming with HOL packet deadlines. , 2014, , .		8
848	Incorporating learning effect and deterioration for solving a SDST flexible job-shop scheduling problem with a hybrid meta-heuristic approach. International Journal of Computer Integrated Manufacturing, 2014, 27, 733-746.	2.9	28
849	Smart production scheduling with time-dependent and machine-dependent electricity cost by considering distributed energy resources and energy storage. International Journal of Production Research, 2014, 52, 3922-3939.	4.9	118
850	Discrete Cuckoo Search algorithm for job shop scheduling problem. , 2014, , .		16
851	OUTSOURCING DECISIONS IN m-MACHINE PERMUTATION FLOW SHOP SCHEDULING PROBLEMS WITH MACHINE-DEPENDENT PROCESSING TIMES. Asia-Pacific Journal of Operational Research, 2014, 31, 1450028.	0.9	7
852	Hybrid Flow Shop Scheduling with Availability Constraints. Profiles in Operations Research, 2014, , 277-299.	0.3	4
853	Flexible job-shop scheduling with extended route flexibility for semiconductor manufacturing. , 2014, , .		9
854	An Improve Firefly Algorithm and its Application in Permutation Flow Shop Scheduling Problem. Applied Mechanics and Materials, 0, 651-653, 2125-2129.	0.2	0
855	Hybrid Non-dominated Sorting Simulated Annealing Algorithm for Flexible Job Shop Scheduling Problems. Advances in Intelligent Systems and Computing, 2014, , 101-107.	0.5	7
856	An imperialist competitive algorithm for the job shop scheduling problems. , 2014, , .		5
857	SDAFT: A novel scalable data access framework for parallel BLAST. Parallel Computing, 2014, 40, 697-709.	1.3	6

#	ARTICLE	IF	CITATIONS
858	Multiagent Scheduling Fundamentals. , 2014, , 1-22.		0
859	Parallel Machine Scheduling Problems. , 2014, , 189-215.		1
860	Fair Optimization and Networks: A Survey. Journal of Applied Mathematics, 2014, 2014, 1-25.	0.4	29
861	An Improved Genetic Algorithm for Job-Shop Scheduling Problem with Process Sequence Flexibility. International Journal of Simulation Modelling, 2014, 13, 510-522.	0.6	18
862	An improved memetic algorithm based on a dynamic neighbourhood for the permutation flowshop scheduling problem. International Journal of Production Research, 2014, 52, 1188-1199.	4.9	18
863	A bicriteria two-machine flow-shop serial-batching scheduling problem with bounded batch size. Journal of Scheduling, 2014, 17, 17-29.	1.3	17
864	Native metaheuristics for non-permutation flowshop scheduling. Journal of Intelligent Manufacturing, 2014, 25, 1221-1233.	4.4	17
865	Multiobjective evolutionary algorithm for manufacturing scheduling problems: state-of-the-art survey. Journal of Intelligent Manufacturing, 2014, 25, 849-866.	4.4	157
866	A Distance-Based Ranking Model Estimation of Distribution Algorithm for the Flowshop Scheduling Problem. IEEE Transactions on Evolutionary Computation, 2014, 18, 286-300.	7.5	111
867	A MILP model for an extended version of the Flexible Job Shop Problem. Optimization Letters, 2014, 8, 1417-1431.	0.9	48
868	Integrated job shop scheduling and layout planning: a hybrid evolutionary method for optimizing multiple objectives. Evolving Systems, 2014, 5, 121-132.	2.4	21
869	A heuristic algorithm for the distributed and flexible job-shop scheduling problem. Journal of Supercomputing, 2014, 67, 69-83.	2.4	39
870	A revised discrete particle swarm optimization algorithm for permutation flow-shop scheduling problem. Soft Computing, 2014, 18, 2271-2282.	2.1	18
871	A PTAS for a Particular Case of the Two-machine Flow Shop with Limited Machine Availability. Mathematical Modelling and Algorithms, 2014, 13, 511-522.	0.5	3
872	The optimal number of used machines in a two-stage flexible flowshop scheduling problem. Journal of Scheduling, 2014, 17, 199-210.	1.3	11
873	A heuristic algorithm for solving flexible job shop scheduling problem. International Journal of Advanced Manufacturing Technology, 2014, 71, 519-528.	1.5	61
874	A novel hybrid genetic algorithm to solve the sequence-dependent permutation flow-shop scheduling problem. International Journal of Advanced Manufacturing Technology, 2014, 71, 429-437.	1.5	16
875	Testing the performance of teachingâ€“learning based optimization (TLBO) algorithm on combinatorial problems: Flow shop and job shop scheduling cases. Information Sciences, 2014, 276, 204-218.	4.0	130

#	ARTICLE	IF	CITATIONS
876	Credibility-based rescheduling model in a double-track railway network: a fuzzy reliable optimization approach. <i>Omega</i> , 2014, 48, 75-93.	3.6	85
877	A simheuristic algorithm for solving the permutation flow shop problem with stochastic processing times. <i>Simulation Modelling Practice and Theory</i> , 2014, 46, 101-117.	2.2	62
878	Path-relinking Tabu search for the multi-objective flexible job shop scheduling problem. <i>Computers and Operations Research</i> , 2014, 47, 11-26.	2.4	77
879	An effective iterated greedy algorithm for the mixed no-idle permutation flowshop scheduling problem. <i>Omega</i> , 2014, 44, 41-50.	3.6	145
880	An effective genetic algorithm for flexible job-shop scheduling with overlapping in operations. <i>International Journal of Production Research</i> , 2014, 52, 3905-3921.	4.9	67
881	A hybrid discrete firefly algorithm for multi-objective flexible job shop scheduling problem with limited resource constraints. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 72, 1567-1579.	1.5	115
882	Automatic Design of Scheduling Policies for Dynamic Multi-objective Job Shop Scheduling via Cooperative Coevolution Genetic Programming. <i>IEEE Transactions on Evolutionary Computation</i> , 2014, 18, 193-208.	7.5	202
883	Reducing patient-flow delays in surgical suites through determining start-times of surgical cases. <i>European Journal of Operational Research</i> , 2014, 238, 620-629.	3.5	49
884	A fast heuristic algorithm for solving parallel-machine job-shop scheduling problems. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 70, 531-546.	1.5	7
885	A Hyper-Heuristic Scheduling Algorithm for Cloud. <i>IEEE Transactions on Cloud Computing</i> , 2014, 2, 236-250.	3.1	159
886	Flexible job shop scheduling with sequence-dependent setup and transportation times by ant colony with reinforced pheromone relationships. <i>International Journal of Production Economics</i> , 2014, 153, 253-267.	5.1	86
887	Scheduling in iron ore open-pit mining. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 72, 1021-1037.	1.5	13
888	Bicriteria hierarchical optimization of two-machine flow shop scheduling problem with time-dependent deteriorating jobs. <i>European Journal of Operational Research</i> , 2014, 234, 650-657.	3.5	39
889	An effective hybrid immune algorithm for solving the distributed permutation flow-shop scheduling problem. <i>Engineering Optimization</i> , 2014, 46, 1269-1283.	1.5	111
890	ICT and Critical Infrastructure: Proceedings of the 48th Annual Convention of Computer Society of India- Vol I. <i>Advances in Intelligent Systems and Computing</i> , 2014, , .	0.5	1
891	ILOG-based mixed planning and scheduling system for job-shop manufacturing. , 2014, , .		4
892	A Multi-core Parallel Branch-and-Bound Algorithm Using Factorial Number System. , 2014, , .		8
893	Multiobjective Departure Runway Scheduling Using Dynamic Programming. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2014, 15, 399-413.	4.7	29

#	ARTICLE	IF	CITATIONS
894	A genetic algorithm with combined operators for permutation flowshop scheduling problems. , 2014, , .		0
895	Essays in Production, Project Planning and Scheduling. Profiles in Operations Research, 2014, , .	0.3	1
896	A neural network algorithm for servicing jobs with sequential and parallel machines. Automation and Remote Control, 2014, 75, 1203-1220.	0.4	4
897	Pareto-based grouping discrete harmony search algorithm for multi-objective flexible job shop scheduling. Information Sciences, 2014, 289, 76-90.	4.0	136
898	An approximation algorithm for the three-machine scheduling problem with the routes given by the same partial order. Computers and Industrial Engineering, 2014, 76, 347-359.	3.4	3
899	A matheuristic approach for the two-machine total completion time flow shop problem. Annals of Operations Research, 2014, 213, 67-78.	2.6	23
900	A novel hybrid genetic algorithm to solve the make-to-order sequence-dependent flow-shop scheduling problem. Journal of Industrial Engineering International, 2014, 10, 1.	1.8	8
901	A GRASP—ELS approach for the job-shop with a web service paradigm packaging. Expert Systems With Applications, 2014, 41, 544-562.	4.4	15
902	Application of a modified GA, ACO and a random search procedure to solve the production scheduling of a case study bakery. Expert Systems With Applications, 2014, 41, 5882-5891.	4.4	32
903	A scatter search algorithm for the distributed permutation flowshop scheduling problem. European Journal of Operational Research, 2014, 239, 323-334.	3.5	224
904	Grammar-based generation of stochastic local search heuristics through automatic algorithm configuration tools. Computers and Operations Research, 2014, 51, 190-199.	2.4	43
905	A particle swarm optimization approach for permutation flow shop scheduling problem. International Journal for Simulation and Multidisciplinary Design Optimization, 2014, 5, A20.	0.6	9
906	Multiple route job shop scheduling using particle swarm optimisation approach. International Journal of Procurement Management, 2014, 7, 119.	0.1	4
907	A New GT Heuristic for Solving Multi Objective Job Shop Scheduling Problems. Applied Mechanics and Materials, 0, 591, 184-188.	0.2	0
908	Shuffled frog leaping algorithm approach to employee timetabling and job shop scheduling. International Journal of Internet Manufacturing and Services, 2014, 3, 178.	0.2	2
909	A hybrid particle swarm optimization and simulated annealing algorithm for job-shop scheduling. , 2014, , .		8
910	Task switching and cognitively compatible guidance for control of multiple robots. , 2014, , .		0
911	Emergency scheduling of engineering rescue tasks in disaster relief operations and its application in China. International Transactions in Operational Research, 2015, 22, 503-518.	1.8	20

#	ARTICLE	IF	CITATIONS
912	Game theoretic modelling of the integrated production and preventive maintenance scheduling problem in permutation flowshops. , 2015, , .		2
913	Scheduling access to common resources in periodic discrete processes. , 2015, , .		0
914	Robust scheduling for flexible job shop problems with random machine breakdowns using a quantum behaved particle swarm optimisation. International Journal of Services and Operations Management, 2015, 20, 1.	0.1	7
915	Solving multi-objective job shop scheduling problems using a non-dominated sorting genetic algorithm. AIP Conference Proceedings, 2015, , .	0.3	4
916	Job shop scheduling problem with late work criterion. AIP Conference Proceedings, 2015, , .	0.3	4
917	A Hybrid Harmony Search Algorithm for the Job Shop Scheduling Problems. , 2015, , .		3
918	Parallel Branch-and-Bound using private IVM-based work stealing on Xeon Phi MIC coprocessor. , 2015, , .		2
919	Grid Scheduling with Makespan and Energy-Based Goals. Journal of Grid Computing, 2015, 13, 527-546.	2.5	2
920	Scheduling research and the first decade of <i>NRLQ</i>: A historical perspective. Naval Research Logistics, 2015, 62, 335-344.	1.4	1
921	Boundary lines between permutation flowshop problems and single machine problems. , 2015, , .		0
922	Regras de prioridade eficientes que exploram caracterĂsticas do Job Shop FlexĂvel para a minimizaĂĂo do atraso total. Production, 2015, 25, 79-91.	1.3	3
923	An Improved Shuffled Frog-Leaping Algorithm for Flexible Job Shop Scheduling Problem. Algorithms, 2015, 8, 19-31.	1.2	17
924	Scheduling of Extract, Transform, and Load (ETL) Procedures with Genetic Algorithm. International Journal of Business Analytics, 2015, 2, 33-46.	0.2	1
925	An Effective Meta-heuristic Algorithm for Solving Multi-criteria Job-shop Scheduling Problem with Maintenance Activities. Research Journal of Applied Sciences, Engineering and Technology, 2015, 11, 950-961.	0.1	0
926	Operating Room Scheduling and Adaptive Control Using a Priority First Fit Decreasing Heuristic. Engineering Management Research, 2015, 4, .	0.2	1
927	A Holonic Multiagent Model Based on a Combined Genetic Algorithmâ€Tabu Search for the Flexible Job Shop Scheduling Problem. Communications in Computer and Information Science, 2015, , 43-54.	0.4	9
928	Simulation-Based Optimization withĂHeuristicLab: Practical Guidelines andĂReal-World Applications. , 2015, , 3-38.		9
929	Asymptotic scheduling for many task computing in Big Data platforms. Information Sciences, 2015, 319, 71-91.	4.0	86

#	ARTICLE	IF	CITATIONS
930	Stochastic Dynamic Job Shop Scheduling with Sequence-Dependent Setup Times: Simulation Experimentation. <i>Journal of Engineering & Technology</i> , 2015, 5, 19.	0.1	3
931	Multiobjective Hybrid Genetic Algorithms for Manufacturing Scheduling: Part I Models and Algorithms. <i>Advances in Intelligent Systems and Computing</i> , 2015, , 3-25.	0.5	6
933	A Metaheuristic Hybridization Within a Holonic Multiagent Model for the Flexible Job Shop Problem. <i>Lecture Notes in Computer Science</i> , 2015, , 269-281.	1.0	0
934	A fast estimation of distribution algorithm for dynamic fuzzy flexible job-shop scheduling problem. <i>Computers and Industrial Engineering</i> , 2015, 87, 193-201.	3.4	37
935	An event-based architecture for solving constraint satisfaction problems. <i>Nature Communications</i> , 2015, 6, 8941.	5.8	41
936	A multi-start path-relinking algorithm for the flexible job-shop scheduling problem. , 2015, , .		5
937	Enhancing genetic programming based hyper-heuristics for dynamic multi-objective job shop scheduling problems. , 2015, , .		19
938	Applying a Chaos-Based Firefly Algorithm to the Permutation Flow Shop Scheduling Problem. , 2015, , .		4
939	The Relationship between Maximum Completion Time and Total Completion Time in Flowshop Production. <i>Procedia Manufacturing</i> , 2015, 1, 146-156.	1.9	7
940	Genetic Algorithms for Solving Bicriteria Dynamic Job Shop Scheduling Problems with Alternative Routes. , 2015, , .		2
941	A hybrid discrete firefly algorithm for solving multi-objective flexible job shop scheduling problems. <i>International Journal of Bio-Inspired Computation</i> , 2015, 7, 386.	0.6	92
942	Towards an Embedded Distributed Implementations of PSO Solutions for the Flexible Job Shop Problem. <i>Procedia Computer Science</i> , 2015, 73, 146-153.	1.2	6
943	Approximation algorithms for the three-stage flexible flow shop problem with mid group constraint. <i>Expert Systems With Applications</i> , 2015, 42, 3571-3584.	4.4	8
944	Assessing scheduling policies in a permutation flowshop with common due dates. <i>International Journal of Production Research</i> , 2015, 53, 5742-5754.	4.9	6
945	A Discrete Inter-Species Cuckoo Search for flowshop scheduling problems. <i>Computers and Operations Research</i> , 2015, 60, 111-120.	2.4	42
946	An Ant Colony Algorithm (ACA) for solving the new integrated model of job shop scheduling and conflict-free routing of AGVs. <i>Computers and Industrial Engineering</i> , 2015, 86, 2-13.	3.4	166
947	Greedy scheduling of cellular self-replication leads to optimal doubling times with a log-Frechet distribution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2611-2616.	3.3	24
948	Job-shop production scheduling with reverse flows. <i>European Journal of Operational Research</i> , 2015, 244, 117-128.	3.5	14

#	ARTICLE	IF	CITATIONS
949	Genetic algorithm parameter optimisation using Taguchi method for a flexible manufacturing system scheduling problem. International Journal of Production Research, 2015, 53, 897-915.	4.9	51
950	A new heuristic based on local best solution for permutation flow shop scheduling. Applied Soft Computing Journal, 2015, 29, 75-81.	4.1	11
951	Refined ranking relations for selection of solutions in multi objective metaheuristics. European Journal of Operational Research, 2015, 243, 454-464.	3.5	6
952	A Pareto block-based estimation and distribution algorithm for multi-objective permutation flow shop scheduling problem. International Journal of Production Research, 2015, 53, 793-834.	4.9	23
953	Scatter search with path relinking for the flexible job shop scheduling problem. European Journal of Operational Research, 2015, 245, 35-45.	3.5	63
954	A short-term operating room surgery scheduling problem integrating multiple nurses roster constraints. Artificial Intelligence in Medicine, 2015, 63, 91-106.	3.8	49
955	A real-time order acceptance and scheduling approach for permutation flow shop problems. European Journal of Operational Research, 2015, 247, 488-503.	3.5	56
956	Routing distributions and their impact on dispatch rules. Computers and Industrial Engineering, 2015, 88, 293-306.	3.4	0
957	List scheduling and beam search methods for the flexible job shop scheduling problem with sequencing flexibility. European Journal of Operational Research, 2015, 247, 421-440.	3.5	44
958	Genetic algorithm for short-term scheduling of make-and-pack batch production process. Chinese Journal of Chemical Engineering, 2015, 23, 1475-1483.	1.7	4
959	Scheduling to Minimize the Sum of Weighted Total Flow Time and Makespan in a Permutation Flow Shop with Setup Time. Applied Mechanics and Materials, 0, 766-767, 989-994.	0.2	1
960	Metaheuristics based on Clustering in a Holonic Multiagent Model for the Flexible Job Shop Problem. , 2015, , .		2
961	Performance analysis of dispatching rules in a stochastic dynamic job shop manufacturing system with sequence-dependent setup times: Simulation approach. CIRP Journal of Manufacturing Science and Technology, 2015, 10, 110-119.	2.3	35
962	Scheduling MapReduce Jobs and Data Shuffle on Unrelated Processors. Lecture Notes in Computer Science, 2015, , 137-150.	1.0	5
963	A hybrid backtracking search algorithm for permutation flow-shop scheduling problem. Computers and Industrial Engineering, 2015, 85, 437-446.	3.4	72
964	A hybrid computer simulation-adaptive neuro-fuzzy inference system algorithm for optimization of dispatching rule selection in job shop scheduling problems under uncertainty. International Journal of Advanced Manufacturing Technology, 2015, 79, 135-145.	1.5	10
965	Genetic Programming. Lecture Notes in Computer Science, 2015, , .	1.0	3
966	Evolutional Algorithm in Solving Flexible Job Shop Scheduling Problem with Uncertainties. , 2015, , 1009-1015.		3

#	ARTICLE	IF	CITATIONS
967	A random-key encoded harmony search approach for energy-efficient production scheduling with shared resources. <i>Engineering Optimization</i> , 2015, 47, 1481-1496.	1.5	24
968	A new genetic algorithm for flexible job-shop scheduling problems. <i>Journal of Mechanical Science and Technology</i> , 2015, 29, 1273-1281.	0.7	59
969	Self-adaptive perturbation and multi-neighborhood search for iterated local search on the permutation flow shop problem. <i>Computers and Industrial Engineering</i> , 2015, 87, 176-185.	3.4	22
970	A genetic algorithm for permutation flow shop scheduling under make to stock production system. <i>Computers and Industrial Engineering</i> , 2015, 90, 12-24.	3.4	50
971	Effective hierarchical optimization by a hierarchical multi-space competitive genetic algorithm for the flexible job-shop scheduling problem. <i>Expert Systems With Applications</i> , 2015, 42, 9434-9440.	4.4	30
972	Effective ensembles of heuristics for scheduling flexible job shop problem with new job insertion. <i>Computers and Industrial Engineering</i> , 2015, 90, 107-117.	3.4	53
973	A hybrid algorithm for the multi-stage flow shop group scheduling with sequence-dependent setup and transportation times. <i>International Journal of Production Economics</i> , 2015, 170, 258-267.	5.1	39
974	Hybrid Metaheuristics within a Holonic Multiagent Model for the Flexible Job Shop Problem. <i>Procedia Computer Science</i> , 2015, 60, 83-92.	1.2	14
975	An Effective Subgradient Method for Scheduling a Steelmaking-Continuous Casting Process. <i>IEEE Transactions on Automation Science and Engineering</i> , 2015, 12, 1140-1152.	3.4	27
976	Job selection in two-stage shops with ordered machines. <i>Computers and Industrial Engineering</i> , 2015, 88, 350-353.	3.4	4
977	Integrating Genetic Algorithm with Time Control for Just-In-Time Scheduling Problems. <i>IFAC-PapersOnLine</i> , 2015, 48, 893-897.	0.5	6
978	Approximability of total weighted completion time with resource consuming jobs. <i>Operations Research Letters</i> , 2015, 43, 595-598.	0.5	14
979	An adaptive scheduling heuristic with memory for the block appointment system of an outpatient specialty clinic. <i>International Journal of Production Research</i> , 2015, 53, 7488-7516.	4.9	15
980	A hybrid algorithm based on a new neighborhood structure evaluation method for job shop scheduling problem. <i>Computers and Industrial Engineering</i> , 2015, 88, 417-429.	3.4	48
981	Multi Agent Model Based on Chemical Reaction Optimization for Flexible Job Shop Problem. <i>Lecture Notes in Computer Science</i> , 2015, , 29-38.	1.0	11
982	Particle Swarm optimization with velocity restriction and evolutionary parameters selection for scheduling problem. , 2015, , .		7
983	A hybrid estimation of distribution algorithm for simulation-based scheduling in a stochastic permutation flowshop. <i>Computers and Industrial Engineering</i> , 2015, 90, 186-196.	3.4	25
984	A Survey of Solving Approaches for Multiple Objective Flexible Job Shop Scheduling Problems. <i>Cybernetics and Information Technologies</i> , 2015, 15, 3-22.	0.4	14

#	ARTICLE	IF	CITATIONS
985	An improved social spider algorithm for the Flexible Job-Shop Scheduling Problem. , 2015, , .		4
986	Application of local clustering organization to reactive job-shop scheduling. <i>Soft Computing</i> , 2015, 19, 891-899.	2.1	4
987	Mathematical modeling and multi-objective evolutionary algorithms applied to dynamic flexible job shop scheduling problems. <i>Information Sciences</i> , 2015, 298, 198-224.	4.0	159
988	Simultaneous lot-sizing and scheduling in flexible job shop problems. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 78, 1-18.	1.5	32
989	Multiobjective Flexible Job Shop Scheduling Using Memetic Algorithms. <i>IEEE Transactions on Automation Science and Engineering</i> , 2015, 12, 336-353.	3.4	196
990	A combination of flow shop scheduling and the shortest path problem. <i>Journal of Combinatorial Optimization</i> , 2015, 29, 36-52.	0.8	14
991	Solving the selective multi-category parallel-servicing problem. <i>Journal of Scheduling</i> , 2015, 18, 165-184.	1.3	1
992	DVS scheduling in a line or a star network of processors. <i>Journal of Combinatorial Optimization</i> , 2015, 29, 16-35.	0.8	4
993	Extended Local Clustering Organization with Rule-Based Neighborhood Search for Job-shop Scheduling Problem. <i>Proceedings in Adaptation, Learning and Optimization</i> , 2015, , 465-477.	1.5	0
994	A hybrid multi-objective genetic algorithm based on the ELECTRE method for a capacitated flexible job shop scheduling problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2015, 77, 51-66.	1.5	40
995	Genetic tabu search for the fuzzy flexible job shop problem. <i>Computers and Operations Research</i> , 2015, 54, 74-89.	2.4	71
996	Two-machine flow shop scheduling with deteriorating jobs: minimizing the weighted sum of makespan and total completion time. <i>Journal of the Operational Research Society</i> , 2015, 66, 709-719.	2.1	16
997	A bounded-search iterated greedy algorithm for the distributed permutation flowshop scheduling problem. <i>International Journal of Production Research</i> , 2015, 53, 1111-1123.	4.9	170
998	Heuristic algorithms to minimize total weighted tardiness with stochastic rework and reprocessing times. <i>Journal of Manufacturing Systems</i> , 2015, 37, 233-242.	7.6	7
999	New hard benchmark for flowshop scheduling problems minimising makespan. <i>European Journal of Operational Research</i> , 2015, 240, 666-677.	3.5	125
1000	A discrete teaching-learning-based optimisation algorithm for realistic flowshop rescheduling problems. <i>Engineering Applications of Artificial Intelligence</i> , 2015, 37, 279-292.	4.3	112
1002	A hybrid evolutionary algorithm to solve the job shop scheduling problem. <i>Annals of Operations Research</i> , 2016, 242, 223-237.	2.6	35
1003	Discrete harmony search algorithm for flexible job shop scheduling problem with multiple objectives. <i>Journal of Intelligent Manufacturing</i> , 2016, 27, 363-374.	4.4	131

#	ARTICLE	IF	CITATIONS
1004	An Improved Version of Discrete Particle Swarm Optimization for Flexible Job Shop Scheduling Problem with Fuzzy Processing Time. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-13.	0.6	5
1005	A Hybrid Genetic Algorithm with a Knowledge-Based Operator for Solving the Job Shop Scheduling Problems. <i>Journal of Optimization</i> , 2016, 2016, 1-13.	6.0	22
1006	Scheduling Methods for Efficient Stamping Operations at an Automotive Company. <i>Production and Operations Management</i> , 2016, 25, 1902-1918.	2.1	10
1007	Hybrid flow shop batching and scheduling with a bi-criteria objective. <i>International Journal of Production Economics</i> , 2016, 179, 239-258.	5.1	56
1008	Dynamic resource allocation to improve emergency department efficiency in real time. <i>European Journal of Operational Research</i> , 2016, 255, 593-603.	3.5	53
1009	Parallel coral reef algorithm for solving JSP on Spark. , 2016, , .		6
1010	Resource Management for Optical Interconnects in Data Centre Networks. , 2016, , .		1
1011	Evolving control rules for a dual-constrained job scheduling scenario. , 2016, , .		6
1012	Discrete Jaya algorithm for flexible job shop scheduling problem with new job insertion. , 2016, , .		8
1013	Non-Crossover and Multi-Mutation Based Genetic Algorithm for Flexible Job-Shop Scheduling Problem. <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , 2016, E99.A, 1856-1862.	0.2	2
1014	Data mining parameters' selection procedure applied to a multi-start local search algorithm for the permutation flow shop scheduling problem. , 2016, , .		1
1015	Flow-shop scheduling problem with imprecise processing times based on distance ranking of fuzzy numbers. , 2016, , .		0
1016	A novel water wave optimization based memetic algorithm for flow-shop scheduling. , 2016, , .		11
1017	Vectorization of local search for solving flow-shop scheduling problem on Xeon Phi [®] , MIC co-processors. , 2016, , .		0
1018	A hybrid discrete cuckoo search for distributed permutation flowshop scheduling problem. , 2016, , .		17
1019	A genetic algorithm for the permutation flow shop-problem: A parametric study. , 2016, , .		2
1020	An Efficient Artificial Fish Swarm Model with Estimation of Distribution for Flexible Job Shop Scheduling. <i>International Journal of Computational Intelligence Systems</i> , 2016, 9, 917.	1.6	10
1021	Intelligent scheduling in flexible job shop environments based on artificial fish swarm algorithm with estimation of distribution. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
1022	An effective teaching learning based optimization for flexible job shop scheduling. , 2016, , .		4
1023	Disaster Recovery for Cloud-Hosted Enterprise Applications. , 2016, , .		5
1024	A Discrete Artificial Bee Colony Algorithm for Permutation Flow Shop Scheduling. , 2016, , .		0
1025	A Job Shop Scheduling Algorithm Using Big Bang-Big Crunch Strategy. , 2016, , .		1
1026	New simple constructive heuristic algorithms for minimizing total flow-time in the permutation flowshop scheduling problem. Computers and Operations Research, 2016, 74, 165-174.	2.4	20
1027	Using SPIN for the Optimized Scheduling of Discrete Event Systems in Manufacturing. Lecture Notes in Computer Science, 2016, , 57-77.	1.0	2
1028	The two-machine flowshop total completion time problem: Branch-and-bound algorithms based on network-flow formulation. European Journal of Operational Research, 2016, 252, 750-760.	3.5	11
1030	Modeling Decisions for Artificial Intelligence. Lecture Notes in Computer Science, 2016, , .	1.0	0
1031	Three metaheuristics improved by a mapping method. IFAC-PapersOnLine, 2016, 49, 1472-1477.	0.5	2
1032	A Hybrid Particle Swarm Optimization Algorithm for Solving Job Shop Scheduling Problems. Communications in Computer and Information Science, 2016, , 71-78.	0.4	5
1034	An improved genetic algorithm for the re-entrant and flexible job-shop scheduling problem. , 2016, , .		4
1035	Synchronous Balanced Analysis. Lecture Notes in Computer Science, 2016, , 85-94.	1.0	0
1036	An improved artificial bee colony algorithm for flexible job-shop scheduling problem with fuzzy processing time. Expert Systems With Applications, 2016, 65, 52-67.	4.4	124
1037	Joint offloading decision and resource allocation for multi-user multi-task mobile cloud. , 2016, , .		126
1039	Two new meta-heuristics for a bi-objective supply chain scheduling problem in flow-shop environment. Applied Soft Computing Journal, 2016, 49, 335-351.	4.1	28
1040	A discrete group search optimizer for blocking flow shop multi-objective scheduling. Advances in Mechanical Engineering, 2016, 8, 168781401666426.	0.8	4
1041	A multi-objective GA-based optimisation for holistic Manufacturing, transportation and Assembly of precast construction. Automation in Construction, 2016, 71, 226-241.	4.8	74
1042	Optimizing Robot Movements in Flexible Job Shop Environment by Metaheuristics Based on Clustered Holonic Multiagent Model. Lecture Notes in Computer Science, 2016, , 275-288.	1.0	0

#	ARTICLE	IF	CITATIONS
1043	Modified Cuckoo Search Algorithm for Solving Permutation Flow Shop Problem. Lecture Notes in Computer Science, 2016, , 714-721.	1.0	0
1044	Improved simulated annealing algorithm for flexible job shop scheduling problems. , 2016, , .		3
1045	A flexible job-shop rescheduling method by considering the machine equipment availability. , 2016, , .		1
1046	A new approach based on Global Velocity Particle Swarm Optimization to solve job-shop scheduling problems, PSO-VG-JSSP. , 2016, , .		1
1047	A genetic algorithm for scheduling jobs and maintenance activities in a permutation flow shop with learning and aging effects. International Journal of Industrial and Systems Engineering, 2016, 24, 32.	0.1	4
1048	Bounding the Running Time of Algorithms for Scheduling and Packing Problems. SIAM Journal on Discrete Mathematics, 2016, 30, 343-366.	0.4	13
1049	A Fast Estimator of Performance with Respect to the Design Parameters of Self Re-Entrant Flowshops. , 2016, , .		2
1050	Work stealing with private integerâ€“vectorâ€“matrix data structure for multiâ€“core branchâ€“andâ€“bound algorithms. Concurrency Computation Practice and Experience, 2016, 28, 4463-4484.	1.4	7
1051	New Approaches in Intelligent Control. Intelligent Systems Reference Library, 2016, , .	1.0	2
1052	An adaptive multi-population genetic algorithm for job-shop scheduling problem. Advances in Manufacturing, 2016, 4, 142-149.	3.2	21
1054	An effective multi-objective discrete grey wolf optimizer for a real-world scheduling problem in welding production. Advances in Engineering Software, 2016, 99, 161-176.	1.8	105
1056	Correlation of job-shop scheduling problem features with scheduling efficiency. Expert Systems With Applications, 2016, 62, 131-147.	4.4	39
1057	Bi-objective scheduling of flexible flow lines: a gradual transition tabu search approach. Production Engineering, 2016, 10, 477-488.	1.1	1
1058	A mapping technique for better solution exploration: NSGA-II adaptation. Journal of Heuristics, 2016, 22, 89-123.	1.1	5
1059	Flexible job-shop scheduling with flexible workdays, preemption, overlapping in operations and satisfaction criteria: an industrial application. International Journal of Production Research, 2016, 54, 4894-4918.	4.9	12
1060	Incremental Scheduling with Upper and Lowerbound Temporospatial Constraints. , 2016, , .		0
1061	Artificial Life and Computational Intelligence. Lecture Notes in Computer Science, 2016, , .	1.0	1
1062	A genetic algorithm for energy-efficiency in job-shop scheduling. International Journal of Advanced Manufacturing Technology, 2016, 85, 1303-1314.	1.5	113

#	ARTICLE	IF	CITATIONS
1063	Particle swarm optimization algorithm embedded with maximum deviation theory for solving multi-objective flexible job shop scheduling problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 85, 2353-2366.	1.5	60
1064	Resource sharing in cyber-physical systems: modelling framework and case studies. <i>International Journal of Production Research</i> , 2016, 54, 6969-6983.	4.9	62
1065	A multi objective optimization approach for flexible job shop scheduling problem under random machine breakdown by evolutionary algorithms. <i>Computers and Operations Research</i> , 2016, 73, 56-66.	2.4	167
1066	Robust scheduling of a two-stage hybrid flow shop with uncertain interval processing times. <i>International Journal of Production Research</i> , 2016, 54, 3706-3717.	4.9	49
1067	An effective hybrid genetic algorithm and tabu search for flexible job shop scheduling problem. <i>International Journal of Production Economics</i> , 2016, 174, 93-110.	5.1	387
1068	An effective heuristic for adaptive control of job sequences subject to variation in processing times. <i>International Journal of Production Research</i> , 2016, 54, 3491-3507.	4.9	11
1069	Review and classification of constructive heuristics mechanisms for no-wait flow shop problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 86, 2161-2174.	1.5	19
1070	A constructive algorithm and a simulated annealing approach for solving flowshop problems with missing operations. <i>International Journal of Production Research</i> , 2016, 54, 3534-3550.	4.9	25
1071	A GPU-based Branch-and-Bound algorithm using Integerâ€“Vectorâ€“Matrix data structure. <i>Parallel Computing</i> , 2016, 59, 119-139.	1.3	18
1072	Optimal robot scheduling to minimize the makespan in a three-machine flow-shop environment with job-independent processing times. <i>Applied Mathematical Modelling</i> , 2016, 40, 4231-4247.	2.2	10
1073	A Hybrid Imperialist Competitive Algorithm for the Flexible Job Shop Problem. <i>Lecture Notes in Computer Science</i> , 2016, , 221-233.	1.0	5
1074	Simultaneous scheduling of machines and transport robots in flexible job shop environment using hybrid metaheuristics based on clustered holonic multiagent model. <i>Computers and Industrial Engineering</i> , 2016, 102, 488-501.	3.4	85
1075	A new Nawazâ€“Enscoreâ€“Ham-based heuristic for permutation flow-shop problems with bicriteria of makespan and machine idle time. <i>Engineering Optimization</i> , 2016, 48, 1808-1822.	1.5	22
1076	An immunity-based hybrid genetic algorithms for permutation flowshop scheduling problems. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 85, 2459-2469.	1.5	22
1077	A multi-agent based cooperative approach to scheduling and routing. <i>European Journal of Operational Research</i> , 2016, 254, 169-178.	3.5	72
1078	Optimal restricted due date assignment in scheduling. <i>European Journal of Operational Research</i> , 2016, 252, 79-89.	3.5	24
1079	Flow shop non-idle scheduling and resource-constrained scheduling. <i>Annals of Operations Research</i> , 2016, 238, 577-585.	2.6	0
1080	A quantum behaved particle swarm optimization for flexible job shop scheduling. <i>Computers and Industrial Engineering</i> , 2016, 93, 36-44.	3.4	111

#	ARTICLE	IF	CITATIONS
1081	A comparison of local search algorithms with population-based algorithms in hybrid flow shop scheduling problems with realistic characteristics. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 83, 1135-1151.	1.5	23
1082	A comprehensive review of flowshop group scheduling literature. <i>Computers and Operations Research</i> , 2016, 70, 56-74.	2.4	88
1083	A Literature Survey on Metaheuristics in Production Systems. <i>Operations Research/ Computer Science Interfaces Series</i> , 2016, , 1-24.	0.3	4
1084	A scheduling procedure for a flow shop“like knowledgeable manufacturing cell with self-evolutionary features. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2016, 230, 2296-2306.	1.5	5
1085	A hybrid differential evolution and estimation of distribution algorithm based on neighbourhood search for job shop scheduling problems. <i>International Journal of Production Research</i> , 2016, 54, 1039-1060.	4.9	42
1086	A novel search algorithm based on waterweeds reproduction principle for job shop scheduling problem. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 84, 405-424.	1.5	12
1087	Automated Design of Production Scheduling Heuristics: A Review. <i>IEEE Transactions on Evolutionary Computation</i> , 2016, 20, 110-124.	7.5	316
1088	An object-oriented approach for multi-objective flexible job-shop scheduling problem. <i>Expert Systems With Applications</i> , 2016, 45, 71-84.	4.4	60
1089	A fuzzy logic-based hybrid estimation of distribution algorithm for distributed permutation flowshop scheduling problems under machine breakdown. <i>Journal of the Operational Research Society</i> , 2016, 67, 68-82.	2.1	60
1090	New setup-oriented dispatching rules for a stochastic dynamic job shop manufacturing system with sequence-dependent setup times. <i>Concurrent Engineering Research and Applications</i> , 2016, 24, 58-68.	2.0	9
1091	A review on job shop scheduling with setup times. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2016, 230, 517-533.	1.5	32
1092	Carbon-efficient scheduling of flow shops by multi-objective optimization. <i>European Journal of Operational Research</i> , 2016, 248, 758-771.	3.5	233
1093	A multi-objective scheduling algorithm with self-evolutionary feature for job-shop-like knowledgeable manufacturing cell. <i>Journal of Intelligent Manufacturing</i> , 2017, 28, 337-351.	4.4	1
1094	A two-machine flowshop scheduling problem with precedence constraint on two jobs. <i>Soft Computing</i> , 2017, 21, 2091-2103.	2.1	4
1095	Mixed graph model and algorithms for parallel-machine job-shop scheduling problems. <i>International Journal of Production Research</i> , 2017, 55, 1549-1564.	4.9	21
1096	Fuzzy greedy search heuristic for combinatorial optimization with specific application to machine scheduling. <i>International Journal of Management Science and Engineering Management</i> , 2017, 12, 148-153.	2.6	4
1097	An asymptotically optimal algorithm for large-scale mixed job shop scheduling to minimize the makespan. <i>Journal of Combinatorial Optimization</i> , 2017, 33, 473-495.	0.8	5
1098	A competitive memetic algorithm for multi-objective distributed permutation flow shop scheduling problem. <i>Swarm and Evolutionary Computation</i> , 2017, 32, 121-131.	4.5	165

#	ARTICLE	IF	CITATIONS
1099	An improved MOEA/D for multi-objective job shop scheduling problem. International Journal of Computer Integrated Manufacturing, 2017, 30, 616-640.	2.9	36
1100	Parallel multi-core hyper-heuristic GRASP to solve permutation flowshop problem. Concurrency Computation Practice and Experience, 2017, 29, e3835.	1.4	17
1101	Two-machine flow shop problem with unit-time operations and conflict graph. International Journal of Production Research, 2017, 55, 1664-1679.	4.9	11
1102	A beam-search-based constructive heuristic for the PFSP to minimise total flowtime. Computers and Operations Research, 2017, 81, 167-177.	2.4	27
1103	VM-based parallel branch-and-bound using hierarchical work stealing on multi-GPU systems. Concurrency Computation Practice and Experience, 2017, 29, e4019.	1.4	10
1104	A Survey of Optimization Techniques for Distributed Job Shop Scheduling Problems in Multi-factories. Advances in Intelligent Systems and Computing, 2017, , 369-378.	0.5	12
1105	Towards continuous software release planning. , 2017, , .		12
1106	An effective multi-start multi-level evolutionary local search for the flexible job-shop problem. Engineering Applications of Artificial Intelligence, 2017, 62, 80-95.	4.3	20
1107	Adaptive Open-Shop Scheduling for Optical Interconnection Networks. Journal of Lightwave Technology, 2017, 35, 2503-2513.	2.7	4
1108	Reconstructing permutation table to improve the Tabu Search for the PFSP on GPU. Journal of Supercomputing, 2017, 73, 4711-4738.	2.4	11
1109	Scheduling a tempered glass manufacturing system: a three-stage hybrid flow shop model. International Journal of Production Research, 2017, 55, 6084-6107.	4.9	14
1110	A batch-oblivious approach for Complex Job-Shop scheduling problems. European Journal of Operational Research, 2017, 263, 50-61.	3.5	41
1111	Job-shop like manufacturing system with variable power threshold and operations with power requirements. International Journal of Production Research, 2017, 55, 6011-6032.	4.9	21
1112	Effects of different chromosome representations in developing genetic algorithms to solve DFJS scheduling problems. Computers and Operations Research, 2017, 80, 101-112.	2.4	46
1113	Iterated reference greedy algorithm for solving distributed no-idle permutation flowshop scheduling problems. Computers and Industrial Engineering, 2017, 110, 413-423.	3.4	85
1114	Scheduling problems of automated guided vehicles in job shop, flow shop, and container terminals. , 2017, , .		6
1115	Investigation of reconfiguration effect on makespan with social network method for flexible job shop scheduling problem. Computers and Industrial Engineering, 2017, 110, 231-241.	3.4	26
1116	General variable neighborhood search algorithm to minimize makespan of the distributed no-wait flow shop scheduling problem. Production Engineering, 2017, 11, 315-329.	1.1	42

#	ARTICLE	IF	CITATIONS
1117	Energy-efficient job shop scheduling problem with variable spindle speed using a novel multi-objective algorithm. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401769595.	0.8	43
1118	An effective multi-objective discrete virus optimization algorithm for flexible job-shop scheduling problem with controllable processing times. <i>Computers and Industrial Engineering</i> , 2017, 104, 156-174.	3.4	132
1119	An iterated greedy algorithm with optimization of partial solutions for the makespan permutation flowshop problem. <i>Computers and Operations Research</i> , 2017, 81, 160-166.	2.4	80
1120	Manufacturing systems: Using agents with local intelligence to maximize factory profit. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2017, 18, 135-144.	2.3	5
1121	Heuristic rules for tie-breaking in the implementation of the NEH heuristic for permutation flow-shop scheduling. <i>International Journal of Operational Research</i> , 2017, 28, 87.	0.1	9
1122	Multi Agent model based on Chemical Reaction Optimization with Greedy algorithm for Flexible Job shop Scheduling Problem. <i>Procedia Computer Science</i> , 2017, 112, 81-90.	1.2	24
1123	A modified immunoglobulin-based artificial immune system algorithm for solving the permutation flow shop scheduling problem. <i>Journal of Industrial and Production Engineering</i> , 2017, 34, 542-550.	2.1	3
1124	A Modified Ant Colony Optimization algorithm for the Distributed Job shop Scheduling Problem. <i>Procedia Computer Science</i> , 2017, 112, 296-305.	1.2	44
1125	Proportionate Flow Shop Scheduling with Rejection. <i>Asia-Pacific Journal of Operational Research</i> , 2017, 34, 1750015.	0.9	7
1126	Real-world flexible resource profile scheduling with multiple criteria: learning scalarization functions for MIP and heuristic approaches. <i>Journal of the Operational Research Society</i> , 2017, 68, 952-972.	2.1	2
1127	Joint offloading and resource allocation for computation and communication in mobile cloud with computing access point. , 2017, , .		130
1128	Bi-objective Water Cycle Algorithm for Solving Remanufacturing Rescheduling Problem. <i>Lecture Notes in Computer Science</i> , 2017, , 671-683.	1.0	4
1129	An improved biogeography-based optimization for achieving optimal job shop scheduling solutions. <i>Procedia Computer Science</i> , 2017, 115, 30-38.	1.2	9
1130	Simulating a Semiconductor Packaging Facility: Sustainable Strategies and Short-time Evidences. <i>Procedia Manufacturing</i> , 2017, 11, 787-795.	1.9	1
1131	Improvements to genetic algorithm for flexible job shop scheduling with overlapping in operations. , 2017, , .		5
1132	On the Robust and Stable Flowshop Scheduling Under Stochastic and Dynamic Disruptions. <i>IEEE Transactions on Engineering Management</i> , 2017, 64, 539-553.	2.4	58
1133	Multi-objective fuzzy flexible job shop scheduling using memetic algorithm. <i>Journal of Statistical Computation and Simulation</i> , 2017, 87, 2828-2846.	0.7	31
1135	A lever concept integrated with simple rules for flow shop scheduling. <i>International Journal of Production Research</i> , 2017, 55, 3110-3125.	4.9	4

#	ARTICLE	IF	CITATIONS
1136	Optimizing resource speed for two-stage real-time tasks. <i>Real-Time Systems</i> , 2017, 53, 82-120.	1.1	1
1137	Scheduling the truckload operations in automated warehouses with alternative aisles for pallets. <i>Applied Soft Computing Journal</i> , 2017, 52, 566-574.	4.1	18
1138	A hybrid multi-objective grey wolf optimizer for dynamic scheduling in a real-world welding industry. <i>Engineering Applications of Artificial Intelligence</i> , 2017, 57, 61-79.	4.3	146
1139	A simulation-based study of dispatching rules in a dynamic job shop scheduling problem with batch release and extended technical precedence constraints. <i>European Journal of Operational Research</i> , 2017, 257, 13-24.	3.5	67
1140	A Comparative Study of Three Population-Based Metaheuristics for Solving the JSSP. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 235-243.	0.5	1
1141	Adaptive multimeme algorithm for flexible job shop scheduling problem. <i>Natural Computing</i> , 2017, 16, 677-698.	1.8	7
1142	Scheduling flexible job-shops with transportation times: Mathematical models and a hybrid imperialist competitive algorithm. <i>Applied Mathematical Modelling</i> , 2017, 41, 667-682.	2.2	113
1143	Two-machine flow shop scheduling problem with blocking, multi-task flexibility of the first machine, and preemption. <i>Computers and Operations Research</i> , 2017, 79, 94-108.	2.4	10
1144	An FPTAS for the parallel two-stage flowshop problem. <i>Theoretical Computer Science</i> , 2017, 657, 64-72.	0.5	25
1145	Reduction of permutation flowshop problems to single machine problems using machine dominance relations. <i>Computers and Operations Research</i> , 2017, 77, 96-110.	2.4	7
1146	Applying genetic algorithm for hybrid job shop scheduling in a cosmetic industry. , 2017, , .		0
1147	Chemical reaction optimization metaheuristic with greedy algorithm for flexible job shop scheduling problem. , 2017, , .		0
1148	Modeling Flexible Workshops Scheduling problems: evaluating a Timed Automata based approach vs MILP. <i>IFAC-PapersOnLine</i> , 2017, 50, 1225-1230.	0.5	2
1149	Decentralized Tabu Searches in Multi Agent System for Distributed and Flexible Job Shop Scheduling Problem. , 2017, , .		5
1150	Robustness analysis of an MIP for production areas with time constraints and tool interruptions in semiconductor manufacturing. , 2017, , .		3
1151	An improved multi-objective memetic algorithm for bi-objective permutation flow shop scheduling. , 2017, , .		2
1152	Resource Allocation and Outpatient Appointment Scheduling Using Simulation Optimization. <i>Journal of Healthcare Engineering</i> , 2017, 2017, 1-19.	1.1	18
1153	An Extended Flexible Job Shop Scheduling Model for Flight Deck Scheduling with Priority, Parallel Operations, and Sequence Flexibility. <i>Scientific Programming</i> , 2017, 2017, 1-15.	0.5	14

#	ARTICLE	IF	CITATIONS
1154	A Variable Interval Rescheduling Strategy for Dynamic Flexible Job Shop Scheduling Problem by Improved Genetic Algorithm. Journal of Advanced Transportation, 2017, 2017, 1-12.	0.9	17
1155	A Bee Evolutionary Guiding Nondominated Sorting Genetic Algorithm II for Multiobjective Flexible Job-Shop Scheduling. Computational Intelligence and Neuroscience, 2017, 2017, 1-20.	1.1	34
1156	A Novel Memetic Algorithm Based on Decomposition for Multiobjective Flexible Job Shop Scheduling Problem. Mathematical Problems in Engineering, 2017, 2017, 1-20.	0.6	6
1157	Synergy of Genetic Algorithm with Extensive Neighborhood Search for the Permutation Flowshop Scheduling Problem. Mathematical Problems in Engineering, 2017, 2017, 1-9.	0.6	3
1158	Evaluating the robustness of scheduling in uncertain environment with Petri nets. , 2017, , .		10
1159	Urban Infrastructure Management: Based on the School Location Configuration. , 2017, , .		0
1160	Dynamical Scheduling and Robust Control in Uncertain Environments with Petri Nets for DESs. Processes, 2017, 5, 54.	1.3	20
1161	A genetic algorithm embedded with a concise chromosome representation for distributed and flexible job-shop scheduling problems. Journal of Intelligent Manufacturing, 2018, 29, 19-34.	4.4	69
1162	An effective discrete invasive weed optimization algorithm for lot-streaming flowshop scheduling problems. Journal of Intelligent Manufacturing, 2018, 29, 1337-1349.	4.4	54
1163	Disaster Rescue Task Scheduling: An Evolutionary Multiobjective Optimization Approach. IEEE Transactions on Emerging Topics in Computing, 2018, 6, 288-300.	3.2	16
1164	A new immune multi-agent system for the flexible job shop scheduling problem. Journal of Intelligent Manufacturing, 2018, 29, 857-873.	4.4	64
1165	WALCOM: Algorithms and Computation. Lecture Notes in Computer Science, 2018, , .	1.0	0
1166	Scheduling Batch Processing in Flexible Flowshop with Job Dependent Buffer Requirements: Lagrangian Relaxation Approach. Lecture Notes in Computer Science, 2018, , 119-131.	1.0	1
1167	A heuristic scheduling method for the pipe-spool fabrication process. Journal of Ambient Intelligence and Humanized Computing, 2018, 9, 1901-1918.	3.3	11
1168	Synchronous flow shop scheduling with pliable jobs. European Journal of Operational Research, 2018, 270, 943-956.	3.5	8
1169	Application of genetic algorithm and variable neighborhood search to solve the facility layout planning problem in job shop production system. , 2018, , .		17
1170	Beer froth artificial bee colony algorithm for job-shop scheduling problem. Applied Soft Computing Journal, 2018, 68, 507-524.	4.1	62
1171	Heuristic algorithms for scheduling hybrid flow shops with machine blocking and setup times. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	16

#	ARTICLE	IF	CITATIONS
1172	Research on Multi-objective Job Shop Scheduling with Dual Particle Swarm Algorithm Based on Greedy Strategy. <i>Wireless Personal Communications</i> , 2018, 103, 255-274.	1.8	2
1173	A two-stage optimization method for energy-saving flexible job-shop scheduling based on energy dynamic characterization. <i>Journal of Cleaner Production</i> , 2018, 188, 575-588.	4.6	109
1174	A probabilistic approach to the Stochastic Job-Shop Scheduling problem. <i>Procedia Manufacturing</i> , 2018, 21, 533-540.	1.9	13
1175	Automatic Algorithm Configuration for the Permutation Flow Shop Scheduling Problem Minimizing Total Completion Time. <i>Lecture Notes in Computer Science</i> , 2018, , 85-100.	1.0	3
1176	Attention allocation for human multi-robot control: Cognitive analysis based on behavior data and hidden states. <i>International Journal of Human Computer Studies</i> , 2018, 117, 30-44.	3.7	21
1177	Evolutionary Computation in Combinatorial Optimization. <i>Lecture Notes in Computer Science</i> , 2018, , .	1.0	0
1178	Solving permutation flow-shop scheduling problem by rhinoceros search algorithm. <i>Soft Computing</i> , 2018, 22, 6025-6034.	2.1	16
1179	Infeasibility resolution for multi-purpose batch process scheduling. <i>Computers and Chemical Engineering</i> , 2018, 116, 69-79.	2.0	1
1180	The distributed permutation flow shop to minimise the total flowtime. <i>Computers and Industrial Engineering</i> , 2018, 118, 464-477.	3.4	122
1181	Minimizing makespan and total flow time in permutation flow shop scheduling problems using modified gravitational emulation local search algorithm. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2018, 232, 534-545.	1.5	9
1182	Game theory-based integration of scheduling with flexible and periodic maintenance planning in the permutation flowshop sequencing problem. <i>Operational Research</i> , 2018, 18, 221-255.	1.3	12
1183	Minimizing total carbon footprint and total late work criterion in flexible job shop scheduling by using an improved multi-objective genetic algorithm. <i>Resources, Conservation and Recycling</i> , 2018, 128, 267-283.	5.3	118
1184	Prediction-Based and Locality-Aware Task Scheduling for Parallelizing Video Transcoding Over Heterogeneous MapReduce Cluster. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2018, 28, 1009-1020.	5.6	18
1185	Scheduling parallel machines with sequence dependent set-up times in job shop industries using GA and SA. <i>International Journal of Systems Science: Operations and Logistics</i> , 2018, 5, 282-294.	2.0	2
1186	Exact exponential algorithms for 3-machine flowshop scheduling problems. <i>Journal of Scheduling</i> , 2018, 21, 227-233.	1.3	7
1187	Multi-core versus many-core computing for many-task Branch-and-Bound applied to big optimization problems. <i>Future Generation Computer Systems</i> , 2018, 82, 472-481.	4.9	10
1188	Flow shop scheduling problem with conflict graphs. <i>Annals of Operations Research</i> , 2018, 261, 339-363.	2.6	17
1189	Solving the flexible job shop problem by hybrid metaheuristics-based multiagent model. <i>Journal of Industrial Engineering International</i> , 2018, 14, 1-14.	1.8	43

#	ARTICLE	IF	CITATIONS
1190	Permutation Flow Shop Scheduling With Batch Delivery to Multiple Customers in Supply Chains. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1826-1837.	5.9	38
1191	An approximation scheme for minimizing the makespan of the parallel identical multi-stage flow-shops. Theoretical Computer Science, 2018, 734, 24-31.	0.5	7
1192	Solving the flexible job shop scheduling problem with sequence-dependent setup times. European Journal of Operational Research, 2018, 265, 503-516.	3.5	150
1193	An effective operations permutation-based discrete harmony search approach for the flexible job shop scheduling problem with makespan criterion. Applied Intelligence, 2018, 48, 1423-1441.	3.3	29
1194	An effective hybrid multi objective evolutionary algorithm for solving real time event in flexible job shop scheduling problem. Measurement: Journal of the International Measurement Confederation, 2018, 114, 78-90.	2.5	58
1195	Scheduling distributed flowshops with flexible assembly and set-up time to minimise makespan. International Journal of Production Research, 2018, 56, 3226-3244.	4.9	49
1196	A comparison of two stage-based hybrid algorithms for a batch scheduling problem in hybrid flow shop with learning effect. International Journal of Production Economics, 2018, 195, 227-248.	5.1	44
1197	Discovering dispatching rules from data using imitation learning: A case study for the job-shop problem. Journal of Scheduling, 2018, 21, 413-428.	1.3	20
1198	Heuristic algorithms for the minmax regret flow-shop problem with interval processing times. Central European Journal of Operations Research, 2018, 26, 215-238.	1.1	10
1199	Comparative Performance of Genetic Algorithm, Simulated Annealing and Ant Colony Optimisation in solving the Job-shop Scheduling Problem. , 2018, , .		1
1200	Using Auxiliary Capacity Planning Strategy Genetic Algorithm for TFT-LCD photolithography scheduling to empower Industry 3.5. , 2018, , .		0
1201	Multiple CNN-based Tasks Scheduling across Shared GPU Platform in Research and Development Scenarios. , 2018, , .		8
1202	A simulated annealing metaheuristic for the bi-objective flexible job shop scheduling problem. , 2018, , .		5
1203	Solving Distributed and Flexible Job shop Scheduling Problem using a Chemical Reaction Optimization metaheuristic. Procedia Computer Science, 2018, 126, 1424-1433.	1.2	23
1204	A Hybrid Iterated Local Search Metaheuristic for the Flexible job Shop Scheduling Problem. , 2018, , .		2
1205	Implications of agile manufacturing in the automotive industry for order management in the factories-evidence from the practitioner's perspective. Procedia CIRP, 2018, 72, 369-374.	1.0	8
1206	A High Performance Search Algorithm for Job-Shop Scheduling Problem. Procedia Computer Science, 2018, 141, 119-126.	1.2	7
1207	Robust scheduling in uncertain environment with Petri nets and beam search. IFAC-PapersOnLine, 2018, 51, 1077-1082.	0.5	11

#	ARTICLE	IF	CITATIONS
1208	Increasing the acceptability of plans in manufacturing by transparent search. <i>Procedia Manufacturing</i> , 2018, 25, 161-168.	1.9	0
1209	An efficient constructive heuristic to balance trade-offs between makespan and flowtime in permutation flow shop scheduling. <i>Procedia Manufacturing</i> , 2018, 26, 40-48.	1.9	2
1210	A Clustering Search Metaheuristic for the Bi-objective Flexible Job Shop Scheduling Problem. , 2018, , .		6
1211	A Two-Stage Memetic Algorithm for Distributed No-Idle Permutation Flowshop Scheduling Problem. , 2018, , .		9
1212	Research on Flexible Job Shop Batching and Scheduling Problem with Setup Times. , 2018, , .		0
1213	A Differential-Based Harmony Search Algorithm With Variable Neighborhood Search for Job Shop Scheduling Problem and Its Runtime Analysis. <i>IEEE Access</i> , 2018, 6, 76313-76330.	2.6	20
1214	SMT Solvers for Job-Shop Scheduling Problems: Models Comparison and Performance Evaluation. , 2018, , .		17
1215	Balancing Trade-offs between Utilization and Work-in-Process Inventory Levels in Flow Shop Production. , 2018, , .		0
1216	AVB-Aware Routing and Scheduling of Time-Triggered Traffic for TSN. <i>IEEE Access</i> , 2018, 6, 75229-75243.	2.6	82
1217	Multi-armed Bandit Based Hyper-Heuristics for the Permutation Flow Shop Problem. , 2018, , .		6
1218	Efficient Lagrangian heuristics for the two-stage flow shop with job dependent buffer requirements. <i>Journal of Discrete Algorithms</i> , 2018, 52-53, 143-155.	0.7	7
1220	Discrete differential evolution algorithm for distributed blocking flowshop scheduling with makespan criterion. <i>Engineering Applications of Artificial Intelligence</i> , 2018, 76, 96-107.	4.3	97
1221	An effective hybrid algorithm for multi-objective flexible job-shop scheduling problem. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401880144.	0.8	27
1222	Multi-agent model based on combination of chemical reaction optimisation metaheuristic with Tabu search for flexible job shop scheduling problem. <i>International Journal of Intelligent Engineering Informatics</i> , 2018, 6, 242.	0.1	10
1223	A Biogeography-Based Memetic Algorithm for Job-Shop Scheduling. <i>Communications in Computer and Information Science</i> , 2018, , 273-284.	0.4	1
1224	Enhanced Biogeography-Based Optimization for Flow-Shop Scheduling. <i>Communications in Computer and Information Science</i> , 2018, , 295-306.	0.4	2
1225	Automatic Design of Heuristics for Minimizing the Makespan in Permutation Flow Shops. , 2018, , .		6
1226	An Imperialist Competitive Algorithm for a Real-World Flexible Job Shop Scheduling Problem. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
1227	Different Performances of Different Intelligent Algorithms for Solving FJSP: A Perspective of Structure. Computational Intelligence and Neuroscience, 2018, 2018, 1-14.	1.1	6
1228	A Very Fast Heuristic for Combinatorial Optimization With Specific Application to Priority Rule Sequencing in Operations Management. International Journal of Operations Research and Information Systems, 2018, 9, 77-89.	1.0	3
1229	Improved Shuffled Frog Leaping Algorithm for Multi-objection Flexible Job-Shop Scheduling Problem. Communications in Computer and Information Science, 2018, , 3-14.	0.4	1
1230	The Complex Network Model Construction of Multi-Objective Job Shop Based on Data Information. , 2018, , .		0
1231	Multiple-order permutation flow shop scheduling under process interruptions. International Journal of Advanced Manufacturing Technology, 2018, 97, 2781-2808.	1.5	17
1232	Allocating Multiple Types of Tasks to Heterogeneous Agents Based on the Theory of Comparative Advantage. Journal of Robotics, 2018, 2018, 1-18.	0.6	2
1233	An extended flexible job shop scheduling problem with parallel operations. ACM SIGAPP Applied Computing Review: A Publication of the Special Interest Group on Applied Computing, 2018, 18, 46-56.	0.5	14
1234	Parameterized complexity of machine scheduling: 15 open problems. Computers and Operations Research, 2018, 100, 254-261.	2.4	37
1235	Iterated greedy algorithms for the hybrid flowshop scheduling with total flow time minimization. , 2018, , .		4
1236	Novel Formulation and Resolution of Job-Shop Scheduling Problems. IEEE Robotics and Automation Letters, 2018, 3, 3387-3393.	3.3	17
1237	New meta-heuristic for dynamic scheduling in permutation flowshop with new order arrival. International Journal of Advanced Manufacturing Technology, 2018, 98, 1817-1830.	1.5	21
1238	A Locality-aware Task Scheduling Algorithm for Video Transcoding over Heterogenous MapReduce Cluster. , 2018, , .		0
1239	Comparative study of genetic and discrete firefly algorithm for combinatorial optimization. , 2018, , .		8
1240	A decomposition-based kernel of Mallows models algorithm for bi- and tri-objective permutation flowshop scheduling problem. Applied Soft Computing Journal, 2018, 71, 526-537.	4.1	4
1241	A Genetic Algorithm for Hybrid Job-Shop Scheduling Problems with Minimizing the Makespan or Mean Flow Time. Journal of Advanced Manufacturing Systems, 2018, 17, 461-486.	0.4	6
1242	Flow shop scheduling with flexible processing times. OR Spectrum, 2018, 40, 809-829.	2.1	5
1243	Solving multi-objective rescheduling problems in dynamic permutation flow shop environments with disruptions. International Journal of Production Research, 2018, 56, 6363-6377.	4.9	44
1244	Multi-User Multi-Task Offloading and Resource Allocation in Mobile Cloud Systems. IEEE Transactions on Wireless Communications, 2018, 17, 6790-6805.	6.1	107

#	ARTICLE	IF	CITATIONS
1245	An effective hybrid meta-heuristic for a heterogeneous flow shop scheduling problem. , 2018, , .		2
1246	Lower bound development in a flow shop electronic assembly problem with carryover sequence-dependent setup time. Computers and Industrial Engineering, 2018, 122, 149-160.	3.4	10
1247	A simheuristic algorithm to set up starting times in the stochastic parallel flowshop problem. Simulation Modelling Practice and Theory, 2018, 86, 55-71.	2.2	53
1248	A multi-objective approach to welding shop scheduling for makespan, noise pollution and energy consumption. Journal of Cleaner Production, 2018, 196, 773-787.	4.6	63
1249	An improved PSO algorithm with genetic and neighborhood-based diversity operators for the job shop scheduling problem. Applied Artificial Intelligence, 2018, 32, 433-462.	2.0	15
1250	Flexible job shop scheduling problem with interval grey processing time. Applied Soft Computing Journal, 2018, 70, 513-524.	4.1	67
1251	A modified Genetic Algorithm approach to minimize total weighted tardiness with stochastic rework and reprocessing times. Computers and Industrial Engineering, 2018, 123, 42-53.	3.4	9
1252	Genetic Programming for Job Shop Scheduling. Studies in Computational Intelligence, 2019, , 143-167.	0.7	10
1253	Scheduling in an Automobile Repair Shop. Lecture Notes in Electrical Engineering, 2019, , 840-846.	0.3	1
1254	Evolutionary and Swarm Intelligence Algorithms. Studies in Computational Intelligence, 2019, , .	0.7	52
1255	Industry 4.0: Smart Scheduling. International Journal of Production Research, 2019, 57, 3802-3813.	4.9	215
1256	Anatomy of the Attraction Basins: Breaking with the Intuition. Evolutionary Computation, 2019, 27, 435-466.	2.3	8
1257	An integrated approach for scheduling flexible job-shop using teachingâ€“learning-based optimization method. Journal of Industrial Engineering International, 2019, 15, 181-192.	1.8	21
1258	No-idle, no-wait: when shop scheduling meets dominoes, Eulerian paths and Hamiltonian paths. Journal of Scheduling, 2019, 22, 59-68.	1.3	12
1259	Toward a Two-Level PSO for FJS Problem. , 2019, , .		1
1260	Improved solution for minimizing makespan in permutation flow shop. Journal of Industrial and Production Engineering, 2019, 36, 168-180.	2.1	0
1261	Two-stage hybrid flow shop scheduling on parallel batching machines considering a job-dependent deteriorating effect and non-identical job sizes. Applied Soft Computing Journal, 2019, 84, 105701.	4.1	29
1262	Water Wave Optimization for Flow-Shop Scheduling. Lecture Notes in Computer Science, 2019, , 771-783.	1.0	2

#	ARTICLE	IF	CITATIONS
1263	A tabu search-based memetic algorithm for the multi-objective flexible job shop scheduling problem. , 2019, , .		2
1264	An effective memetic algorithm for multi-objective job-shop scheduling. Knowledge-Based Systems, 2019, 182, 104840.	4.0	56
1265	A combination of two simple decoding strategies for the no-wait job shop scheduling problem. , 2019, , .		2
1266	Analysis of models for the Stochastic Outpatient Procedure Scheduling Problem. European Journal of Operational Research, 2019, 279, 721-731.	3.5	21
1267	A New Hyper-Heuristic to Generate Effective Instance GA for the Permutation Flow Shop Problem. Procedia Computer Science, 2019, 159, 1365-1374.	1.2	9
1268	A Discrete Wolf Pack Algorithm for Job Shop Scheduling Problem. , 2019, , .		9
1269	Green Job Shop Scheduling Problem with Machine at Different Speeds using a multi-objective grey wolf optimization algorithm. , 2019, , .		3
1270	Hybrid frog-leap algorithm for job shop scheduling. , 2019, , .		1
1271	An Order Inserting Predictive-reactive Batch-splitting Scheduling Method. , 2019, , .		0
1272	Robust solutions in multi-objective stochastic permutation flow shop problem. Computers and Industrial Engineering, 2019, 137, 106026.	3.4	20
1273	Serum-Free Culture System for Spontaneous Human Mesenchymal Stem Cell Spheroid Formation. Stem Cells International, 2019, 2019, 1-12.	1.2	11
1274	Real-Time Order Acceptance and Scheduling Problems in a Flow Shop Environment Using Hybrid GA-PSO Algorithm. IEEE Access, 2019, 7, 112742-112755.	2.6	26
1275	Performance Models for Data Transfers. , 2019, , .		0
1276	Algorithm Based on Improved Genetic Algorithm for Job Shop Scheduling Problem. , 2019, , .		3
1277	Solving flow shop problem with permutation and sequence independent setup time. , 2019, , .		1
1278	Energy-efficient optimization of Flexible Job Shop Scheduling and Preventive Maintenance. , 2019, , .		1
1279	Evolving Dispatching Rules for Multi-objective Dynamic Flexible Job Shop Scheduling via Genetic Programming Hyper-heuristics. , 2019, , .		41
1280	Resource allocation problem in project management. E3S Web of Conferences, 2019, 97, 01003.	0.2	3

#	ARTICLE	IF	CITATIONS
1281	HyperSpark: A Data-Intensive Programming Environment for Parallel Metaheuristics. , 2019, , .		4
1282	Case Study Analysis of Job Shop Scheduling and its Integration with Material Requirement Planning. Materials Today: Proceedings, 2019, 16, 1034-1042.	0.9	6
1283	On the open job-shop scheduling problem: a decentralized multi-agent approach for the manufacturing system performance optimization. Procedia CIRP, 2019, 79, 192-197.	1.0	14
1284	Multi-center variable-scale search algorithm for combinatorial optimization problems with the multimodal property. Applied Soft Computing Journal, 2019, 84, 105726.	4.1	8
1285	Sustainable production through balancing trade-offs among three metrics in flow shop scheduling. Procedia CIRP, 2019, 80, 209-214.	1.0	2
1286	Automatic design of scheduling policies for dynamic flexible job shop scheduling by multi-objective genetic programming based hyper-heuristic. Procedia CIRP, 2019, 79, 439-444.	1.0	15
1287	Research on multi-agent genetic algorithm based on tabu search for the job shop scheduling problem. PLoS ONE, 2019, 14, e0223182.	1.1	14
1288	Lot Streaming Flow Shop with a Heterogeneous Machine. EMJ - Engineering Management Journal, 2019, 31, 113-126.	1.4	7
1289	Ant colony optimization for Cuckoo Search algorithm for permutation flow shop scheduling problem. Systems Science and Control Engineering, 2019, 7, 20-27.	1.8	18
1290	A two-level particle swarm optimization algorithm for the flexible job shop scheduling problem. Swarm Intelligence, 2019, 13, 145-168.	1.3	37
1291	Online Robust Placement of Service Chains for Large Data Center Topologies. IEEE Access, 2019, 7, 60150-60162.	2.6	7
1292	DeDas: Online Task Dispatching and Scheduling with Bandwidth Constraint in Edge Computing. , 2019, , .		94
1293	An Integrated Heuristic for Machine Sequencing With Specific Reference to the Permutation Flow-Shop Scheduling Problem. International Journal of Strategic Engineering, 2019, 2, 1-8.	0.2	2
1294	Energy-efficient scheduling for multi-objective flexible job shops with variable processing speeds by grey wolf optimization. Journal of Cleaner Production, 2019, 234, 1365-1384.	4.6	97
1296	Multi-Stage assembly flow shop with setup time and release time. Operations Research Perspectives, 2019, 6, 100111.	1.2	10
1297	Flow Shop Scheduling. , 2019, , 271-320.		0
1298	A novel scheduling method for automated guided vehicles in workshop environments. International Journal of Advanced Robotic Systems, 2019, 16, 172988141984415.	1.3	7
1299	A Variable Block Insertion Heuristic for Solving Permutation Flow Shop Scheduling Problem with Makespan Criterion. Algorithms, 2019, 12, 100.	1.2	21

#	ARTICLE	IF	CITATIONS
1300	Scheduling blocking flowshops with setup times via constraint guided and accelerated local search. Computers and Operations Research, 2019, 109, 64-76.	2.4	16
1301	A hybrid genetic algorithm for multi-objective flexible job shop scheduling problem considering transportation time. International Journal of Intelligent Computing and Cybernetics, 2019, 12, 154-174.	1.6	23
1302	Improved Whale Algorithm for Solving the Flexible Job Shop Scheduling Problem. Mathematics, 2019, 7, 384.	1.1	31
1303	Production planning and scheduling in Cyber-Physical Production Systems: a review. International Journal of Computer Integrated Manufacturing, 2019, 32, 385-395.	2.9	71
1304	A data-driven scheduling approach to smart manufacturing. Journal of Industrial Information Integration, 2019, 15, 69-79.	4.3	62
1305	An effective hybrid imperialist competitive algorithm and tabu search for an extended flexible job shop scheduling problem. , 2019, , .		1
1307	Two-machine flow shop with synchronized periodic maintenance. RAIRO - Operations Research, 2019, 53, 351-365.	1.0	6
1308	Learning dispatching rules using random forest in flexible job shop scheduling problems. International Journal of Production Research, 2019, 57, 3290-3310.	4.9	51
1309	The cafeteria problem: order sequencing and picker routing in on-the-line picking systems. OR Spectrum, 2019, 41, 727-756.	2.1	5
1310	Variable Neighborhood Search. Lecture Notes in Computer Science, 2019, , .	1.0	13
1311	A Hybrid Firefly - VNS Algorithm for the Permutation Flowshop Scheduling Problem. Lecture Notes in Computer Science, 2019, , 274-286.	1.0	1
1312	An Adaptive Scheduling Algorithm for Dynamic Jobs for Dealing with the Flexible Job Shop Scheduling Problem. Business and Information Systems Engineering, 2019, 61, 299-309.	4.0	29
1313	Minimizing flowtime in a flowshop scheduling problem with a biased random-key genetic algorithm. Expert Systems With Applications, 2019, 128, 67-80.	4.4	32
1314	Flowshop scheduling problem with parallel semi-lines and final synchronization operation. Computers and Operations Research, 2019, 108, 121-133.	2.4	3
1315	Shop scheduling problems with pliable jobs. Journal of Scheduling, 2019, 22, 635-661.	1.3	4
1316	Joint scheduling of production and transport with alternative job routing in flexible manufacturing systems. AIP Conference Proceedings, 2019, , .	0.3	6
1317	A factorial based particle swarm optimization with a population adaptation mechanism for the no-wait flow shop scheduling problem with the makespan objective. Expert Systems With Applications, 2019, 126, 41-53.	4.4	28
1318	Decoding methods for the flow shop scheduling with peak power consumption constraints. International Journal of Production Research, 2019, 57, 3200-3218.	4.9	24

#	ARTICLE	IF	CITATIONS
1319	Flexible job-shop scheduling with tolerated time interval and limited starting time interval based on hybrid discrete PSO-SA: An application from a casting workshop. Applied Soft Computing Journal, 2019, 78, 176-194.	4.1	46
1320	An improvement heuristic for permutation flow shop scheduling. International Journal of Process Management and Benchmarking, 2019, 9, 124.	0.1	3
1321	Planning and scheduling problems of production systems: review, classification and opportunities. International Journal of Productivity and Quality Management, 2019, 28, 372.	0.1	2
1322	Evaluation of Loading Bay Restrictions for the Installation of Offshore Wind Farms Using a Combination of Mixed-Integer Linear Programming and Model Predictive Control. Applied Sciences (Switzerland), 2019, 9, 5030.	1.3	6
1323	Task Scheduling Techniques for Deep Learning in Heterogeneous Environment. , 2019, , .		4
1324	Multi-Objective Flexible Job Shop Scheduling Optimization by Means of Promethee I Method. , 2019, , .		0
1325	Multi-Agent Reinforcement Learning for Job Shop Scheduling in Flexible Manufacturing Systems. , 2019, , .		27
1326	A General Variable Neighborhood Search for the Noldle Flowshop Scheduling Problem with Makespan Criterion. , 2019, , .		3
1327	A Sequential Search Framework for Selecting Weights of Dispatching Rules in Manufacturing Systems. , 2019, , .		2
1328	A Framework for Model Search Across Multiple Machine Learning Implementations. , 2019, , .		3
1329	Metaflow: A Better Traffic Abstraction for Distributed Applications. , 2019, , .		1
1330	A Reusable Scheduling Problem Decomposition Framework for Smart Factories. , 2019, , .		2
1331	Constructive heuristics for the minimization of core waiting time in permutation flow shop problems. , 2019, , .		1
1332	An Adaptive Multi-population Artificial Bee Colony Algorithm for Multi-objective Flexible Job Shop Scheduling Problem. , 2019, , .		0
1333	An improved UKPK-PSO algorithm inspired from block chain technology for flexible job shop scheduling problem. , 2019, , .		3
1334	Bi-objective Optimization of Multiple-route Job Shop Scheduling with Route Cost. IFAC-PapersOnLine, 2019, 52, 881-886.	0.5	6
1335	A Permutation-Based Heuristic Method for the Blocking Job Shop Scheduling Problem. IFAC-PapersOnLine, 2019, 52, 1403-1408.	0.5	8
1336	A Multi-Objective Whale Swarm Algorithm for Energy-Efficient Distributed Permutation Flow shop Scheduling Problem with Sequence Dependent Setup Times. IFAC-PapersOnLine, 2019, 52, 235-240.	0.5	13

#	ARTICLE	IF	CITATIONS
1337	A Pareto approach for the multi-factory supply chain scheduling and distribution problem. <i>Operational Research</i> , 2021, 21, 2333-2364.	1.3	6
1338	A Near Optimal Multi-Faced Job Scheduler for Datacenter Workloads. , 2019, , .		4
1339	Robust Deadlock-free Scheduling for FMS with Liveness-enforcing Supervisor Combined with Beam Search Controller. , 2019, , .		4
1340	On Neighborhood Structures and Repair Techniques for Blocking Job Shop Scheduling Problems. <i>Algorithms</i> , 2019, 12, 242.	1.2	11
1341	Spatial-domain fitness landscape analysis for combinatorial optimization. <i>Information Sciences</i> , 2019, 472, 126-144.	4.0	17
1342	Process Engineering and Optimization. <i>Lecture Notes in Logistics</i> , 2019, , 399-415.	0.6	0
1343	Trade-off balancing in scheduling for flow shop production and perioperative processes. <i>European Journal of Operational Research</i> , 2019, 273, 817-830.	3.5	12
1344	SRVis: Towards Better Spatial Integration in Ranking Visualization. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2019, 25, 459-469.	2.9	28
1345	The evolution of schematic representations of flow shop scheduling problems. <i>Journal of Scheduling</i> , 2019, 22, 379-391.	1.3	3
1346	The design and scheduling of chemical batch processes: Computational complexity studies. <i>Computers and Chemical Engineering</i> , 2019, 121, 367-374.	2.0	1
1347	A novel dynamic assignment rule for the distributed job shop scheduling problem using a hybrid ant-based algorithm. <i>Applied Intelligence</i> , 2019, 49, 1903-1924.	3.3	42
1348	Revisiting simulated annealing: A component-based analysis. <i>Computers and Operations Research</i> , 2019, 104, 191-206.	2.4	81
1349	Enhancing and extending the classical GRASP framework with biased randomisation and simulation. <i>Journal of the Operational Research Society</i> , 2019, 70, 1362-1375.	2.1	54
1350	Constraint guided accelerated search for mixed blocking permutation flowshop scheduling. <i>Computers and Operations Research</i> , 2019, 102, 102-120.	2.4	21
1351	Hyper-Heuristic Coevolution of Machine Assignment and Job Sequencing Rules for Multi-Objective Dynamic Flexible Job Shop Scheduling. <i>IEEE Access</i> , 2019, 7, 68-88.	2.6	61
1352	A Network-Based Formulation for Scheduling Clinical Rotations. <i>Production and Operations Management</i> , 2019, 28, 1186-1205.	2.1	8
1353	A fully polynomial time approximation scheme for scheduling on parallel identical two-stage openshops. <i>Journal of Combinatorial Optimization</i> , 2019, 37, 668-684.	0.8	3
1354	A heuristic model for dynamic flexible job shop scheduling problem considering variable processing times. <i>International Journal of Production Research</i> , 2019, 57, 3020-3035.	4.9	45

#	ARTICLE	IF	CITATIONS
1355	Complexity, bounds and dynamic programming algorithms for single track train scheduling. <i>Annals of Operations Research</i> , 2019, 273, 479-500.	2.6	2
1356	Review of job shop scheduling research and its new perspectives under Industry 4.0. <i>Journal of Intelligent Manufacturing</i> , 2019, 30, 1809-1830.	4.4	326
1357	Iterated Greedy methods for the distributed permutation flowshop scheduling problem. <i>Omega</i> , 2019, 83, 213-222.	3.6	267
1358	Stochastic integer programming for multi-disciplinary outpatient clinic planning. <i>Health Care Management Science</i> , 2019, 22, 53-67.	1.5	21
1359	A multistage graph-based procedure for solving a just-in-time flexible job-shop scheduling problem with machine and time-dependent processing costs. <i>Journal of the Operational Research Society</i> , 2019, 70, 620-633.	2.1	8
1360	Flexible Job-Shop Rescheduling for New Job Insertion by Using Discrete Jaya Algorithm. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 1944-1955.	6.2	184
1361	A flexible job shop cell scheduling with sequence-dependent family setup times and intercellular transportation times using conic scalarization method. <i>International Transactions in Operational Research</i> , 2019, 26, 2410-2431.	1.8	29
1362	PISCES: Optimizing Multi-Job Application Execution in MapReduce. <i>IEEE Transactions on Cloud Computing</i> , 2019, 7, 273-286.	3.1	7
1363	A Knowledge-Based Cooperative Algorithm for Energy-Efficient Scheduling of Distributed Flow-Shop. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 1805-1819.	5.9	137
1364	Daily outpatient chemotherapy appointment scheduling with random deferrals. <i>Flexible Services and Manufacturing Journal</i> , 2020, 32, 129-153.	1.9	15
1365	Automatic design of scheduling policies for dynamic flexible job shop scheduling via surrogate-assisted cooperative co-evolution genetic programming. <i>International Journal of Production Research</i> , 2020, 58, 2561-2580.	4.9	50
1367	An integrated production scheduling and delivery route planning with multi-purpose machines: A case study from a furniture manufacturing company. <i>International Journal of Production Economics</i> , 2020, 219, 347-359.	5.1	81
1368	A polynomial-time approximation scheme for an arbitrary number of parallel two-stage flow-shops. <i>European Journal of Operational Research</i> , 2020, 281, 16-24.	3.5	9
1369	Flow shops with reentry: Reversibility properties and makespan optimal schedules. <i>European Journal of Operational Research</i> , 2020, 282, 478-490.	3.5	11
1370	Bi-objective mathematical model and improved algorithm for optimisation of welding shop scheduling problem. <i>International Journal of Production Research</i> , 2020, 58, 2767-2783.	4.9	12
1371	Scheduling flowline manufacturing cells with inter-cellular moves: non-permutation schedules and material flows in the cell scheduling problem. <i>International Journal of Production Research</i> , 2020, 58, 6568-6584.	4.9	15
1372	Multi-objective green flowshop scheduling problem under uncertainty: Estimation of distribution algorithm. <i>Journal of Cleaner Production</i> , 2020, 251, 119734.	4.6	16
1373	Heuristics for concurrent task scheduling on GPUs. <i>Concurrency Computation Practice and Experience</i> , 2020, 32, e5571.	1.4	1

#	ARTICLE	IF	CITATIONS
1374	Towards ultra-scale Branch-and-Bound using a high-productivity language. Future Generation Computer Systems, 2020, 105, 196-209.	4.9	2
1375	Scheduling MapReduce Jobs on Identical and Unrelated Processors. Theory of Computing Systems, 2020, 64, 754-782.	0.7	4
1376	Robust scheduling of flexible manufacturing systems with unreliable operations and resources. International Journal of Production Research, 2020, 58, 6474-6492.	4.9	15
1377	Mathematical modeling and a hybridized bacterial foraging optimization algorithm for the flexible job-shop scheduling problem with sequencing flexibility. Journal of Manufacturing Systems, 2020, 54, 74-93.	7.6	42
1378	Online Deadline-Aware Task Dispatching and Scheduling in Edge Computing. IEEE Transactions on Parallel and Distributed Systems, 2020, 31, 1270-1286.	4.0	79
1379	A Bi-Population Cooperative Memetic Algorithm for Distributed Hybrid Flow-Shop Scheduling. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 947-961.	3.4	50
1380	Non-blind Adaptive Cat Swarm Optimization for Workshop Scheduling. , 2020, , .		0
1381	A self-learning genetic algorithm based on reinforcement learning for flexible job-shop scheduling problem. Computers and Industrial Engineering, 2020, 149, 106778.	3.4	204
1382	Scheduling a proportionate flow shop of batching machines. Journal of Scheduling, 2020, 23, 575-593.	1.3	3
1383	Robot scheduling for pod retrieval in a robotic mobile fulfillment system. Transportation Research, Part E: Logistics and Transportation Review, 2020, 142, 102087.	3.7	35
1384	A multistart biased random key genetic algorithm for the flexible job shop scheduling problem with transportation. International Transactions in Operational Research, 2023, 30, 688-716.	1.8	29
1385	Introducing an effective meta-heuristic algorithm: Cosmogony algorithm (CA). Journal of Intelligent and Fuzzy Systems, 2020, 39, 3475-3501.	0.8	1
1386	A memetic algorithm for restoring feasibility in scheduling with limited makespan. Natural Computing, 2020, , 1.	1.8	3
1387	Spatial-Temporal Finite Element Analytics for Cyber-Physical System-enabled Smart Factory: Application in Hybrid Flow Shop. Procedia Manufacturing, 2020, 51, 1229-1236.	1.9	6
1388	A review of job shop scheduling problems in multi-factories. International Journal of Operational Research, 2020, 38, 147.	0.1	5
1389	A unified view on planning, scheduling and dispatching for a factory. Advanced Engineering Informatics, 2020, 46, 101188.	4.0	5
1390	Improved artificial immune algorithm for the flexible job shop problem with transportation time. Measurement and Control, 2020, 53, 2111-2128.	0.9	8
1391	Inverse Percolation to Quantify Robustness in Multiplex Networks. Complexity, 2020, 2020, 1-11.	0.9	6

#	ARTICLE	IF	CITATIONS
1392	A new hybrid particle swarm optimization and parallel variable neighborhood search algorithm for flexible job shop scheduling with assembly process. <i>Assembly Automation</i> , 2020, 40, 419-432.	1.0	31
1393	Hybrid of human learning optimization algorithm and particle swarm optimization algorithm with scheduling strategies for the flexible job-shop scheduling problem. <i>Neurocomputing</i> , 2020, 414, 313-332.	3.5	50
1394	Low Carbon Multi-Objective Shop Scheduling Based On Genetic and Variable Neighborhood Algorithm. <i>Journal of Physics: Conference Series</i> , 2020, 1574, 012155.	0.3	3
1395	A Numerical Model to Assist with the Selection of Non-Metallic Piping Materials for Offshore Developments. , 2020, , .		2
1396	Hyper-heuristics using multi-armed bandit models for multi-objective optimization. <i>Applied Soft Computing Journal</i> , 2020, 95, 106520.	4.1	16
1397	A discrete firefly algorithm for solving the flexible job-shop scheduling problem in a make-to-order manufacturing system. <i>Central European Journal of Operations Research</i> , 2021, 29, 1353-1374.	1.1	11
1398	A Hybrid Particle Swarm Optimization Algorithm Enhanced with Nonlinear Inertial Weight and Gaussian Mutation for Job Shop Scheduling Problems. <i>Mathematics</i> , 2020, 8, 1355.	1.1	17
1399	An effective backtracking search algorithm for multi-objective flexible job shop scheduling considering new job arrivals and energy consumption. <i>Computers and Industrial Engineering</i> , 2020, 149, 106863.	3.4	59
1400	Modelling and Solving Rescheduling Problems in Dynamic Permutation Flow Shop Environments. <i>Complexity</i> , 2020, 2020, 1-17.	0.9	7
1401	Flow shop scheduling with general position weighted learning effects to minimise total weighted completion time. <i>Journal of the Operational Research Society</i> , 2021, 72, 2674-2689.	2.1	14
1402	A metaheuristic approach for minimizing service creation time in slice-enabled networks. , 2020, , .		3
1403	Effective Heuristic Algorithms Solving the Jobshop Scheduling Problem with Release Dates. <i>Mathematics</i> , 2020, 8, 1221.	1.1	5
1404	Permutation flowshop scheduling to obtain the optimal solution/a lower bound with the makespan objective. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2020, 45, 1.	0.8	2
1405	A Novel General Variable Neighborhood Search through Q-Learning for No-Idle Flowshop Scheduling. , 2020, , .		10
1406	An improved memetic algorithm for the flexible job shop scheduling problem with transportation times. <i>Measurement and Control</i> , 2020, 53, 1518-1528.	0.9	12
1407	Improved Genetic Algorithm Approach Based on New Virtual Crossover Operators for Dynamic Job Shop Scheduling. <i>IEEE Access</i> , 2020, 8, 213318-213329.	2.6	12
1408	Stochastic local search and parameters recommendation: a case study on flowshop problems. <i>International Transactions in Operational Research</i> , 2020, , .	1.8	2
1409	Hybrid Brain Storm Optimization algorithm and Late Acceptance Hill Climbing to solve the Flexible Job-Shop Scheduling Problem. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2020, , .	2.7	8

#	ARTICLE	IF	CITATIONS
1410	The hybrid whale optimization algorithm: A new metaheuristic algorithm for energy-efficient on flow shop with dependent sequence setup. <i>Journal of Physics: Conference Series</i> , 2020, 1569, 022094.	0.3	8
1411	Relationship between common objective functions, idle time and waiting time in permutation flow shop scheduling. <i>Computers and Operations Research</i> , 2020, 121, 104965.	2.4	15
1413	Effective Methods for Integrated Process Planning and Scheduling. <i>Engineering Applications of Computational Methods</i> , 2020, , .	0.5	3
1414	Distributed-elite local search based on a genetic algorithm for bi-objective job-shop scheduling under time-of-use tariffs. <i>Evolutionary Intelligence</i> , 2021, 14, 1581-1595.	2.3	9
1415	Improved Jaya Algorithm for Flexible Job Shop Rescheduling Problem. <i>IEEE Access</i> , 2020, 8, 86915-86922.	2.6	12
1416	Dominance conditions determination based on machine idle times for the permutation flowshop scheduling problem. <i>Computers and Operations Research</i> , 2020, 122, 104964.	2.4	3
1417	Agent-based, hybrid control architecture for optimized and flexible production scheduling and control in remanufacturing. <i>Journal of Remanufacturing</i> , 2024, 14, 17-43.	1.6	2
1418	Multi-population genetic algorithm with ER network for solving flexible job shop scheduling problems. <i>PLoS ONE</i> , 2020, 15, e0233759.	1.1	16
1419	Evacuating offshore working barges from a land reclamation site in storm emergencies. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020, 137, 101902.	3.7	4
1420	Real-time production scheduling in the Industry-4.0 context: Addressing uncertainties in job arrivals and machine breakdowns. <i>Computers and Operations Research</i> , 2020, 123, 105031.	2.4	95
1421	Hybrid frameworks for flexible job shop scheduling. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 108, 1563-1585.	1.5	4
1422	An effective benders decomposition algorithm for solving the distributed permutation flowshop scheduling problem. <i>Computers and Operations Research</i> , 2020, 123, 105006.	2.4	37
1423	Mixed Integer linear programming and constraint programming models for the online printing shop scheduling problem. <i>Computers and Operations Research</i> , 2020, 123, 105020.	2.4	33
1424	The Network Programming Method in Project Scheduling Problems. <i>Automation and Remote Control</i> , 2020, 81, 978-987.	0.4	4
1425	Mixed Graph Colorings: A Historical Review. <i>Mathematics</i> , 2020, 8, 385.	1.1	12
1426	Hardware in the loop simulation for product driven control of a cyber-physical manufacturing system. <i>Production Engineering</i> , 2020, 14, 329-343.	1.1	13
1427	Dynamic scheduling for flexible job shop with new job insertions by deep reinforcement learning. <i>Applied Soft Computing Journal</i> , 2020, 91, 106208.	4.1	221
1428	Big Data Analytics for Cyber-Physical Systems. , 2020, , .		5

#	ARTICLE	IF	CITATIONS
1429	Identification of COVID-19 Spreaders Using Multiplex Networks Approach. IEEE Access, 2020, 8, 122874-122883.	2.6	16
1430	Joint Optimization of VNF Placement and Flow Scheduling in Mobile Core Network. IEEE Transactions on Cloud Computing, 2022, 10, 1900-1912.	3.1	7
1431	An improved lower bound for the blocking permutation flow shop with total completion time criterion. Computers and Industrial Engineering, 2020, 146, 106511.	3.4	7
1432	Modified Atom Search Optimization Based on Immunologic Mechanism and Reinforcement Learning. Mathematical Problems in Engineering, 2020, 2020, 1-22.	0.6	6
1433	Low carbon flexible job shop scheduling problem considering worker learning using a memetic algorithm. Optimization and Engineering, 2020, 21, 1691-1716.	1.3	27
1434	Adaptive Control of Bio-Inspired Manufacturing Systems. Research on Intelligent Manufacturing, 2020, , .	0.2	1
1435	Multiprocessor Scheduling Based on Evolutionary Technique for Solving Permutation Flow Shop Problem. IEEE Access, 2020, 8, 53151-53161.	2.6	6
1436	Efficiency-Oriented Production Scheduling Scheme: An Ant Colony System Method. IEEE Access, 2020, 8, 19286-19296.	2.6	6
1437	Research on the performance of multi-population genetic algorithms with different complex network structures. Soft Computing, 2020, 24, 13441-13459.	2.1	16
1438	A research survey: heuristic approaches for solving multi objective flexible job shop problems. Journal of Intelligent Manufacturing, 2020, 31, 1949-1983.	4.4	35
1439	Scheduling of flexible manufacturing plants with redesign options: A MILP-based decomposition algorithm and case studies. Computers and Chemical Engineering, 2020, 136, 106777.	2.0	12
1440	A Pareto-based genetic algorithm for multi-objective scheduling of automated manufacturing systems. Advances in Mechanical Engineering, 2020, 12, 168781401988529.	0.8	49
1441	Estimating Video Popularity From Past Request Arrival Times in a VoD System. IEEE Access, 2020, 8, 19934-19947.	2.6	2
1442	Solving Permutation Flow Shop Scheduling Problem with Sequence-Independent Setup Time. Journal of Applied Mathematics, 2020, 2020, 1-11.	0.4	29
1443	Two-stage open-shop scheduling with a two-machine flow shop as a stage: approximation algorithms and empirical experiments. Journal of Scheduling, 2020, 23, 595-608.	1.3	3
1444	A review of four decades of time-dependent scheduling: main results, new topics, and open problems. Journal of Scheduling, 2020, 23, 3-47.	1.3	41
1445	A slice-based decentralized NFV framework for an end-to-end QoS-based dynamic resource allocation. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 4593-4611.	3.3	4
1446	A computationally efficient Branch-and-Bound algorithm for the permutation flow-shop scheduling problem. European Journal of Operational Research, 2020, 284, 814-833.	3.5	48

#	ARTICLE	IF	CITATIONS
1447	Algorithms for four-machine flowshop scheduling problem with uncertain processing times to minimize makespan. RAIRO - Operations Research, 2020, 54, 529-553.	1.0	8
1448	Multiobjective Particle Swarm Optimization with Directional Search for Distributed Permutation Flow Shop Scheduling Problem. Communications in Computer and Information Science, 2020, , 164-176.	0.4	1
1449	Actor-Critic Deep Reinforcement Learning for Solving Job Shop Scheduling Problems. IEEE Access, 2020, 8, 71752-71762.	2.6	119
1450	Multiple Precast Component Orders Acceptance and Scheduling. Mathematical Problems in Engineering, 2020, 2020, 1-15.	0.6	7
1451	Efficient algorithms for flexible job shop scheduling with parallel machines. Naval Research Logistics, 2020, 67, 272-288.	1.4	12
1452	Delay-Aware VNF Scheduling: A Reinforcement Learning Approach With Variable Action Set. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 304-318.	4.9	40
1453	On the minmax common-due-date problem: extensions to position-dependent processing times, job rejection, learning effect, uniform machines and flowshops. Engineering Optimization, 2021, 53, 408-424.	1.5	14
1454	A meta-heuristic to solve the just-in-time job-shop scheduling problem. European Journal of Operational Research, 2021, 288, 14-29.	3.5	57
1455	A simheuristic approach for the flexible job shop scheduling problem with stochastic processing times. Simulation, 2021, 97, 215-236.	1.1	17
1457	The just-in-time job-shop scheduling problem with distinct due-dates for operations. Journal of Heuristics, 2021, 27, 175-204.	1.1	6
1458	Artificial bee colony algorithm including some components of iterated greedy algorithm for permutation flow shop scheduling problems. Neural Computing and Applications, 2021, 33, 3469-3486.	3.2	13
1459	A matrix-cube-based estimation of distribution algorithm for the distributed assembly permutation flow-shop scheduling problem. Swarm and Evolutionary Computation, 2021, 60, 100785.	4.5	46
1460	Sustainable scheduling of distributed permutation flow-shop with non-identical factory using a knowledge-based multi-objective memetic optimization algorithm. Swarm and Evolutionary Computation, 2021, 60, 100803.	4.5	53
1461	An improved iterated greedy algorithm for the distributed assembly permutation flowshop scheduling problem. Computers and Industrial Engineering, 2021, 152, 107021.	3.4	67
1462	Multi-objective integrated scheduling optimization of semi-combined marine crankshaft structure production workshop for green manufacturing. Transactions of the Institute of Measurement and Control, 2021, 43, 579-596.	1.1	13
1463	Scheduling hybrid flow shops with time windows. Journal of Heuristics, 2021, 27, 133-158.	1.1	1
1464	A combinatorial analysis of the permutation and non-permutation flow shop scheduling problems. European Journal of Operational Research, 2021, 289, 841-854.	3.5	10
1465	Lexicographic optimization-based clustering search metaheuristic for the multiobjective flexible job shop scheduling problem. International Transactions in Operational Research, 2021, 28, 2733-2758.	1.8	14

#	ARTICLE	IF	CITATIONS
1466	Minimizing total completion time in the two-machine no-idle no-wait flow shop problem. <i>Journal of Heuristics</i> , 2021, 27, 159-173.	1.1	10
1467	Solving a flexible job shop lot sizing problem with shared operations using a self-adaptive COA. <i>International Journal of Production Research</i> , 2021, 59, 483-515.	4.9	14
1468	A Review of Dynamic Scheduling: Context, Techniques and Prospects. <i>Intelligent Systems Reference Library</i> , 2021, , 229-258.	1.0	4
1469	Iterated Local Search and Other Algorithms for Buffered Two-Machine Permutation Flow Shops with Constant Processing Times on One Machine. <i>Evolutionary Computation</i> , 2021, 29, 415-439.	2.3	3
1470	Chaotic Multi-Objective Simulated Annealing and Threshold Accepting for Job Shop Scheduling Problem. <i>Mathematical and Computational Applications</i> , 2021, 26, 8.	0.7	10
1471	Fuzzy Greedy Search. <i>Advances in Business Strategy and Competitive Advantage Book Series</i> , 2021, , 254-275.	0.2	1
1472	An Improved Monkey Search Algorithm to Solve the Flexible Job Shop Scheduling Problems With Makespan Objective. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 2021, , 728-741.	0.3	0
1473	A Hybrid Artificial Immune-Simulated Annealing Algorithm for Multiroute Job Shop Scheduling Problem With Continuous Limited Output Buffers. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 12112-12125.	6.2	11
1474	A Distributed Model for Manufacturing Scheduling: Approaching the EDGE. <i>IFIP Advances in Information and Communication Technology</i> , 2021, , 416-423.	0.5	0
1475	Smart Make-to-Order Production in a Flow Shop Environment for Industry 4.0. , 2021, , 955-982.		0
1476	Flowshop NEH-Based Heuristic Recommendation. <i>Lecture Notes in Computer Science</i> , 2021, , 136-151.	1.0	0
1477	A Knowledge-Based Multiobjective Memetic Algorithm for Green Job Shop Scheduling With Variable Machining Speeds. <i>IEEE Systems Journal</i> , 2022, 16, 844-855.	2.9	28
1478	An Improved Evolution Strategy Hybridization With Simulated Annealing for Permutation Flow Shop Scheduling Problems. <i>IEEE Access</i> , 2021, 9, 94505-94522.	2.6	19
1479	Modular sequence optimization with hybrid genetic algorithm. <i>Procedia CIRP</i> , 2021, 96, 51-56.	1.0	1
1480	Soft-computing approaches for rescheduling problems in a manufacturing industry. <i>RAIRO - Operations Research</i> , 2021, 55, S2125-S2159.	1.0	8
1481	The Power of a Collective: Team of Agents Solving Instances of the Flow Shop and Job Shop Problems. <i>Lecture Notes in Computer Science</i> , 2021, , 406-419.	1.0	1
1482	New Heuristics to Minimize Makespan of Permutation Flowshop Scheduling Problem with Uniformly Distributed Processing Times. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 395-404.	0.3	0
1483	Thirty Years of Flexible Job-Shop Scheduling: A Bibliometric Study. <i>Procedia Computer Science</i> , 2021, 180, 787-796.	1.2	6

#	ARTICLE	IF	CITATIONS
1484	Learning to schedule job-shop problems: representation and policy learning using graph neural network and reinforcement learning. International Journal of Production Research, 2021, 59, 3360-3377.	4.9	110
1485	On the robust and stable flowshop scheduling under stochastic and dynamic disruptions. , 2021, , 381-416.		0
1486	The Bike Sharing Problem. Lecture Notes in Computer Science, 2021, , 65-77.	1.0	0
1487	An Improved Genetic Algorithm for Distributed Job Shop Scheduling Problem. Lecture Notes in Computer Science, 2021, , 37-47.	1.0	2
1488	A Branch-and-Bound Method to Minimize the Total Flow Time in a Permutation Flow Shop with Blocking and Setup Times. Communications in Computer and Information Science, 2021, , 217-232.	0.4	1
1489	DaÄŸlÄ±m PermÄ±tasyon AkÄ±mi Tipi AtÄ±lye Ä±zelgeleme Problemi iÄ±n Hibrit Benders AyrÄ±tÄ±ma AlgoritmasÄ± ve Yeni Modeller. European Journal of Science and Technology, 0, , .	0.5	0
1490	An effective multi-objective whale swarm algorithm for energy-efficient scheduling of distributed welding flow shop. Annals of Operations Research, 2022, 310, 223-255.	2.6	31
1491	A hyper-heuristic selector algorithm for cloud computing scheduling based on workflow features. Opsearch, 2021, 58, 852-868.	1.1	3
1492	Production and transport scheduling in flexible job shop manufacturing systems. Journal of Global Optimization, 2021, 79, 463-502.	1.1	36
1493	Differential evolution algorithm with dynamic multi-population applied to flexible job shop schedule. Engineering Optimization, 0, , 1-22.	1.5	7
1494	A Hybrid Gray Wolf Weed Algorithm for Flexible Job-shop Scheduling Problem. Journal of Physics: Conference Series, 2021, 1828, 012162.	0.3	3
1495	Hybrid Grey Wolf Algorithm for Energy-Efficient Scheduling with Sequence-Dependent Setup Times: A Case Study. IOP Conference Series: Materials Science and Engineering, 2021, 1096, 012116.	0.3	4
1496	Genetic Programming with Delayed Routing for Multiobjective Dynamic Flexible Job Shop Scheduling. Evolutionary Computation, 2021, 29, 75-105.	2.3	22
1497	E-Commerce Workshop Scheduling Based on Deep Learning and Genetic Algorithm. International Journal of Simulation Modelling, 2021, 20, 192-200.	0.6	9
1498	An Effective Decomposition-Based Stochastic Algorithm for Solving the Permutation Flow-Shop Scheduling Problem. Algorithms, 2021, 14, 112.	1.2	6
1499	Multi-stage appointment scheduling for outpatient chemotherapy unit: a case study. RAIRO - Operations Research, 2021, 55, 589-610.	1.0	2
1500	A complexity analysis and algorithms for two-machine shop scheduling problems under linear constraints. Journal of Scheduling, 0, , 1.	1.3	1
1501	A discrete artificial bee colony algorithm for the distributed heterogeneous no-wait flowshop scheduling problem. Applied Soft Computing Journal, 2021, 100, 106946.	4.1	42

#	ARTICLE	IF	CITATIONS
1502	Text mining approach for bottleneck detection and analysis in printed circuit board manufacturing. Computers and Industrial Engineering, 2021, 154, 107121.	3.4	5
1503	Scheduling with generalized and periodic due dates under single- and two-machine environments. Optimization Letters, 2022, 16, 623-633.	0.9	2
1504	An effective MCTS-based algorithm for minimizing makespan in dynamic flexible job shop scheduling problem. Computers and Industrial Engineering, 2021, 155, 107211.	3.4	39
1505	Optimizing the maintenance schedule for a vehicle fleet: a simulation-based case study. Engineering Optimization, 0, , 1-14.	1.5	8
1506	Production Decision Optimization for Iron and Steel Scrap Remanufacturing considering Carbon Emission and Delivery Time. Complexity, 2021, 2021, 1-7.	0.9	0
1507	A Simulator for Intelligent Workload Managers in Heterogeneous Clusters. , 2021, , .		2
1508	The evolution of production scheduling from Industry 3.0 through Industry 4.0. International Journal of Production Research, 2022, 60, 3534-3554.	4.9	46
1509	A Pareto based discrete Jaya algorithm for multi-objective flexible job shop scheduling problem. Expert Systems With Applications, 2021, 170, 114567.	4.4	46
1510	Optimization of delay time and environmental pollution in scheduling of production and transportation system: a novel multi-society genetic algorithm approach. Management Research Review, 2021, 44, 1427-1453.	1.5	4
1511	Minimizing makespan under data prefetching constraints for embedded vision systems: a study of optimization methods and their performance. Operational Research, 0, , 1.	1.3	0
1512	Dynamic job-shop scheduling in smart manufacturing using deep reinforcement learning. Computer Networks, 2021, 190, 107969.	3.2	92
1513	An Improved Nondominated Sorting Genetic Algorithm-II for Multi-objective Flexible Job-shop Scheduling Problem Considering Worker Assignments. , 2021, , .		3
1514	Solving a new robust reverse job shop scheduling problem by meta-heuristic algorithms. Engineering Applications of Artificial Intelligence, 2021, 101, 104207.	4.3	8
1515	Security aspects in blockchain-based scheduling in mobile multi-cloud computing. , 2021, , .		2
1516	A Novel Evolutionary Algorithm with Adaptation Mechanism for Fuzzy Permutation Flow-Shop Scheduling. , 2021, , .		2
1517	An Improved Algorithm for Minimizing Makespan on Flowshops with Uncertain Processing Times. Uluslararası Mühendislik Araştırma Ve Geliştirme Dergisi, 2021, 13, 521-530.	0.1	0
1518	Feature Selection for Evolving Many-Objective Job Shop Scheduling Dispatching Rules with Genetic Programming. , 2021, , .		5
1519	The tiebreaking space of constructive heuristics for the permutation flowshop minimizing makespan. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
1520	A hybrid Jaya algorithm for solving flexible job shop scheduling problem considering multiple critical paths. <i>Journal of Manufacturing Systems</i> , 2021, 60, 298-311.	7.6	35
1521	Distributed job-shop rescheduling problem considering reconfigurability of machines: a self-adaptive hybrid equilibrium optimiser. <i>International Journal of Production Research</i> , 2022, 60, 4973-4994.	4.9	15
1522	Optimizing Transaction Schedules on Universal Quantum Computers via Code Generation for Grover's Search Algorithm. , 2021, , .		9
1523	A discrete spotted hyena optimizer for solving distributed job shop scheduling problems. <i>Applied Soft Computing Journal</i> , 2021, 106, 107349.	4.1	28
1524	An improved multi-objective whale optimization algorithm for the hybrid flow shop scheduling problem considering device dynamic reconfiguration processes. <i>Expert Systems With Applications</i> , 2021, 174, 114793.	4.4	41
1525	A Critical Analysis of Job Shop Scheduling in Context of Industry 4.0. <i>Sustainability</i> , 2021, 13, 7684.	1.6	14
1526	Multi-Objective Production Scheduling of Perishable Products in Agri-Food Industry. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6962.	1.3	3
1527	N-NEH+ algorithm for solving permutation flow shop problems. <i>Computers and Operations Research</i> , 2021, 132, 105296.	2.4	8
1528	Path cover with minimum nontrivial paths and its application in two-machine flow-shop scheduling with a conflict graph. <i>Journal of Combinatorial Optimization</i> , 2022, 43, 571-588.	0.8	4
1529	Flowshop scheduling with sequence dependent setup times and batch delivery in supply chain. <i>Computers and Industrial Engineering</i> , 2021, 158, 107378.	3.4	19
1530	A hybrid many-objective evolutionary algorithm for flexible job-shop scheduling problem with transportation and setup times. <i>Computers and Operations Research</i> , 2021, 132, 105263.	2.4	33
1531	Permutation flow shop scheduling with multiple lines and demand plans using reinforcement learning. <i>European Journal of Operational Research</i> , 2022, 299, 75-86.	3.5	19
1532	Minimizing total job completion time in MapReduce scheduling. <i>Computers and Industrial Engineering</i> , 2021, 158, 107387.	3.4	4
1533	Planejamento Dinâmico da Produção e a Capacidade Funcional do Sistema Produtivo. , 2021, , .		0
1534	New hard benchmark for the 2-stage multi-machine assembly scheduling problem: Design and computational evaluation. <i>Computers and Industrial Engineering</i> , 2021, 158, 107364.	3.4	2
1535	Improved cat swarm optimization for permutation flow shop scheduling problem. <i>Journal of Physics: Conference Series</i> , 2021, 2010, 012018.	0.3	0
1536	Metaheuristics for the online printing shop scheduling problem. <i>European Journal of Operational Research</i> , 2021, 293, 419-441.	3.5	14
1537	Efficient repairs of infeasible job shop problems by evolutionary algorithms. <i>Engineering Applications of Artificial Intelligence</i> , 2021, 104, 104368.	4.3	2

#	ARTICLE	IF	CITATIONS
1538	Dynamic multi-objective scheduling for flexible job shop by deep reinforcement learning. Computers and Industrial Engineering, 2021, 159, 107489.	3.4	70
1539	A fatigue-conscious dual resource constrained flexible job shop scheduling problem by enhanced NSGA-II: An application from casting workshop. Computers and Industrial Engineering, 2021, 160, 107557.	3.4	37
1540	Solving an integrated scheduling and routing problem with inventory, routing and penalty costs. European Journal of Operational Research, 2021, 294, 571-589.	3.5	16
1541	Energy-Efficient Scheduling of Distributed Flow Shop With Heterogeneous Factories: A Real-World Case From Automobile Industry in China. IEEE Transactions on Industrial Informatics, 2021, 17, 6687-6696.	7.2	77
1542	Genetic programming-based hyper-heuristic approach for solving dynamic job shop scheduling problem with extended technical precedence constraints. Computers and Operations Research, 2021, 134, 105401.	2.4	24
1543	Optimising the job-shop scheduling problem using a multi-objective Jaya algorithm. Applied Soft Computing Journal, 2021, 111, 107654.	4.1	24
1544	Evolutionary algorithms for multi-objective flexible job shop cell scheduling. Applied Soft Computing Journal, 2021, 113, 107890.	4.1	13
1545	Optimization of the integrated problem of employee timetabling and job shop scheduling. Computers and Operations Research, 2022, 137, 105332.	2.4	6
1546	Scheduling ortsfester Gebrauchsaktoren. VDI-Buch, 2021, , 297-609.	0.1	0
1547	Real-Time Scheduling for Dynamic Partial-No-Wait Multiobjective Flexible Job Shop by Deep Reinforcement Learning. IEEE Transactions on Automation Science and Engineering, 2022, 19, 3020-3038.	3.4	38
1550	Applying the Clonal Selection Principle to Find Flexible Job-Shop Schedules. Lecture Notes in Computer Science, 2005, , 442-455.	1.0	39
1551	A Variable Neighbourhood Search Algorithm for Job Shop Scheduling Problems. Lecture Notes in Computer Science, 2006, , 261-271.	1.0	22
1552	Prolog Cafe: A Prolog to Java Translator System. Lecture Notes in Computer Science, 2006, , 1-11.	1.0	8
1553	Experimental Genetic Operators Analysis for the Multi-objective Permutation Flowshop. Lecture Notes in Computer Science, 2003, , 578-592.	1.0	8
1554	Convergence Analysis of Simulated Annealing-Based Algorithms Solving Flow Shop Scheduling Problems. Lecture Notes in Computer Science, 2000, , 277-290.	1.0	4
1555	Polynomial Time Approximation Schemes for the Multiprocessor Open and Flow Shop Scheduling Problem. Lecture Notes in Computer Science, 2000, , 455-465.	1.0	13
1556	A new approach to computing optimal schedules for the job-shop scheduling problem. Lecture Notes in Computer Science, 1996, , 389-403.	1.0	99
1557	A Study of On-Line Scheduling Two-Stage Shops. Nonconvex Optimization and Its Applications, 1995, , 97-107.	0.1	8

#	ARTICLE	IF	CITATIONS
1558	Scheduling Multiprocessor Flow Shops. Nonconvex Optimization and Its Applications, 1994, , 1-8.	0.1	13
1559	Many-Core Branch-and-Bound for GPU Accelerators and MIC Coprocessors. Studies in Computational Intelligence, 2020, , 275-291.	0.7	5
1560	A Multi-objective Reinforcement Learning Algorithm for JSSP. Lecture Notes in Computer Science, 2019, , 567-584.	1.0	7
1561	Two-Machine Flow Shop Scheduling Problem Under Linear Constraints. Lecture Notes in Computer Science, 2019, , 400-411.	1.0	3
1562	Evolving Ensembles of Dispatching Rules Using Genetic Programming for Job Shop Scheduling. Lecture Notes in Computer Science, 2015, , 92-104.	1.0	30
1563	IVM-Based Work Stealing for Parallel Branch-and-Bound on GPU. Lecture Notes in Computer Science, 2016, , 548-558.	1.0	2
1564	A PTAS for the Multiple Parallel Identical Multi-stage Flow-Shops to Minimize the Makespan. Lecture Notes in Computer Science, 2016, , 227-237.	1.0	3
1566	Elitist Ant System for the Distributed Job Shop Scheduling Problem. Lecture Notes in Computer Science, 2017, , 112-117.	1.0	6
1567	Solving the Distributed Two Machine Flow-Shop Scheduling Problem Using Differential Evolution. Lecture Notes in Computer Science, 2017, , 449-457.	1.0	2
1568	Approximation Algorithms for Two-Machine Flow-Shop Scheduling with a Conflict Graph. Lecture Notes in Computer Science, 2018, , 205-217.	1.0	2
1569	Salp Swarm Algorithm Based on Blocks on Critical Path for Reentrant Job Shop Scheduling Problems. Lecture Notes in Computer Science, 2018, , 638-648.	1.0	14
1570	Ant Colony System for JSP. Lecture Notes in Computer Science, 2004, , 296-305.	1.0	4
1572	Designing Dispatching Rules to Minimize Total Tardiness. Studies in Computational Intelligence, 2007, , 101-124.	0.7	7
1573	An Evolutionary Approach for Solving the Multi-Objective Job-Shop Scheduling Problem. Studies in Computational Intelligence, 2007, , 165-195.	0.7	21
1574	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem. , 2008, , 263-277.		17
1575	Worst Case Analysis of a New Lower Bound for Flow Shop Weighted Completion Time Problem. Lecture Notes in Computer Science, 2007, , 191-199.	1.0	6
1576	A Local Search Algorithm for a SAT Representation of Scheduling Problems. , 2007, , 697-709.		5
1577	Evolutionary Clustering Search for Flowtime Minimization in Permutation Flow Shop. , 2007, , 69-81.		12

#	ARTICLE	IF	CITATIONS
1578	Sequential and Parallel Variable Neighborhood Search Algorithms for Job Shop Scheduling. Studies in Computational Intelligence, 2008, , 125-144.	0.7	8
1579	Variable Neighborhood Genetic Algorithm for the Flexible Job Shop Scheduling Problems. Lecture Notes in Computer Science, 2008, , 503-512.	1.0	17
1580	Scheduling in Flowshops with No-Idle Machines. Studies in Computational Intelligence, 2009, , 21-51.	0.7	23
1581	A Multi-Objective Ant-Colony Algorithm for Permutation Flowshop Scheduling to Minimize the Makespan and Total Flowtime of Jobs. Studies in Computational Intelligence, 2009, , 53-99.	0.7	9
1582	Giffler and Thompson Procedure Based Genetic Algorithms for Scheduling Job Shops. Studies in Computational Intelligence, 2009, , 229-259.	0.7	3
1583	Scheduling Practice and Recent Developments in Flow Shop and Job Shop Scheduling. Studies in Computational Intelligence, 2009, , 261-300.	0.7	9
1584	A Genetic Algorithm with Priority Rules for Solving Job-Shop Scheduling Problems. Studies in Computational Intelligence, 2009, , 55-88.	0.7	7
1585	Effective Hybrid Stochastic Local Search Algorithms for Biobjective Permutation Flowshop Scheduling. Lecture Notes in Computer Science, 2009, , 100-114.	1.0	10
1586	Resources Utilization in Distributed Environment for Complex Services. Lecture Notes in Computer Science, 2010, , 400-409.	1.0	2
1587	Design of Scheduling Algorithms. , 2010, , 299-321.		1
1588	A Novel Encoding Scheme of PSO for Two-Machine Group Scheduling. Lecture Notes in Computer Science, 2010, , 128-134.	1.0	3
1589	An Improved Particle Swarm Optimization for Permutation Flowshop Scheduling Problem with Total Flowtime Criterion. Lecture Notes in Computer Science, 2010, , 144-151.	1.0	4
1590	An Efficient Estimation of Distribution Algorithm for Job Shop Scheduling Problem. Lecture Notes in Computer Science, 2010, , 656-663.	1.0	3
1591	Deployment of Solving Permutation Flow Shop Scheduling Problem on the Grid. Communications in Computer and Information Science, 2010, , 95-104.	0.4	4
1592	A Mathematical Model and Solution for Cost-Driven Job-Shop Scheduling Problem. Communications in Computer and Information Science, 2011, , 418-423.	0.4	1
1593	Hybrid GA-Based Improvement Heuristic with Makespan Criterion for Flow-Shop Scheduling Problems. Communications in Computer and Information Science, 2011, , 11-18.	0.4	2
1595	Supervised Learning Linear Priority Dispatch Rules for Job-Shop Scheduling. Lecture Notes in Computer Science, 2011, , 263-277.	1.0	33
1597	Grid Branch-and-Bound for Permutation Flowshop. Lecture Notes in Computer Science, 2012, , 21-30.	1.0	2

#	ARTICLE	IF	CITATIONS
1598	Genetic Algorithm Combined with Simulation for Job Shop Scheduling Problem in Mechanical Engineering. Lecture Notes in Electrical Engineering, 2012, , 139-144.	0.3	1
1599	Combination of Two-Machine Flow Shop Scheduling and Shortest Path Problems. Lecture Notes in Computer Science, 2013, , 680-687.	1.0	5
1600	Data Mining Based Approach for Jobshop Scheduling. , 2014, , 761-771.		7
1601	Bounding the Running Time of Algorithms for Scheduling and Packing Problems. Lecture Notes in Computer Science, 2013, , 439-450.	1.0	11
1602	From Grammars to Parameters: Automatic Iterated Greedy Design for the Permutation Flow-Shop Problem with Weighted Tardiness. Lecture Notes in Computer Science, 2013, , 321-334.	1.0	14
1603	Incorporating Highly Explorative Methods to Improve the Performance of Variable Neighborhood Search. Lecture Notes in Computer Science, 2013, , 315-338.	1.0	1
1604	A GRASPxELS for Scheduling of Job-Shop Like Manufacturing Systems and CO2 Emission Reduction. Lecture Notes in Computer Science, 2014, , 130-137.	1.0	2
1605	Scheduling Bidirectional Traffic on a Path. Lecture Notes in Computer Science, 2015, , 406-418.	1.0	11
1606	A Fuzzy Approach to Job-Shop Scheduling Problem Based on Imprecise Processing Times. Studies in Fuzziness and Soft Computing, 2003, , 91-106.	0.6	1
1607	A review of flowshop scheduling research. , 1979, , 363-388.		17
1608	Flow Shop Scheduling Problem of Minimizing Makespan with Bounded Processing Parameters. Advances in Intelligent Systems and Computing, 2020, , 171-183.	0.5	1
1609	Genetic Algorithm and Particle Swarm Optimization in Minimizing MakeSpan Time in Job Shop Scheduling. Lecture Notes in Mechanical Engineering, 2020, , 421-432.	0.3	2
1610	On the complexity of two machine job-shop scheduling with regular objective functions. , 1997, 19, 5.		2
1611	Multi-objective Optimization of the Distributed Permutation Flow Shop Scheduling Problem with Transportation and Eligibility Constraints. Journal of the Operations Research Society of China, 2018, 6, 391-416.	0.9	22
1612	Flexible job shop scheduling problem with reconfigurable machine tools: An improved differential evolution algorithm. Applied Soft Computing Journal, 2020, 94, 106416.	4.1	49
1613	Improved particle swarm optimization algorithm based novel encoding and decoding schemes for flexible job shop scheduling problem. Computers and Operations Research, 2020, 121, 104951.	2.4	64
1614	A concise survey of efficiently solvable special cases of the permutation flow-shop problem. RAIRO - Operations Research, 1983, 17, 105-119.	1.0	56
1615	Work Stealing Strategies For Multi-Core Parallel Branch-and-Bound Algorithm Using Factorial Number System. , 2014, , .		4

#	ARTICLE	IF	CITATIONS
1616	Avoiding blocking by scheduling transactions using quantum annealing. , 2020, , .		8
1617	DHFSlicer. ACM Transactions on Graphics, 2020, 39, 1-17.	4.9	4
1618	A Scheduling algorithm for Multi-Tenants Instance- Intensive Workflows. Applied Mathematics and Information Sciences, 2013, 7, 99-105.	0.7	9
1619	Multi-objective Local Search Combined with NSGA-II for Bi-criteria Permutation Flow Shop Scheduling Problem. IEEJ Transactions on Electronics, Information and Systems, 2012, 132, 32-41.	0.1	3
1620	Ant systems & Local Search Optimization for flexible Job Shop Scheduling Production. International Journal of Computers, Communications and Control, 2014, 2, 174.	1.2	63
1621	FormulaÃ§Ães matemÃ¡ticas e estratÃ©gias de resoluÃ§Ã£o para o problema job shop clÃ¡ssico. Production, 2016, 26, 614-625.	1.3	2
1622	Novas regras de prioridade para programaÃ§Ã£o em flexible flow line com tempos de setup explÃ©citos. Production, 2015, 25, 779-790.	1.3	5
1623	Linking Search Space Structure, Run-Time Dynamics, and Problem Difficulty: A Step Toward Demystifying Tabu Search. Journal of Artificial Intelligence Research, 0, 24, 221-261.	7.0	15
1624	AND/OR Branch-and-Bound on a Computational Grid. Journal of Artificial Intelligence Research, 0, 59, 351-435.	7.0	5
1625	Solving flexible job-shop scheduling problem using clonal selection algorithm. Indian Journal of Science and Technology, 2011, 4, 1248-1251.	0.5	6
1626	Binary Artificial Bee Colony Algorithm to Solve Single Objective Resource Allocation Problem. International Journal of Future Computer and Communication, 2018, 7, 21-25.	1.3	2
1627	Effective Neighborhood Generation Method in Search Algorithm for Flexible Job Shop Scheduling Problem. International Journal of Automation Technology, 2019, 13, 389-396.	0.5	4
1628	Acquisition of Dispatching Rules for Job-Shop Scheduling Problem by Artificial Neural Networks Using PSO. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2013, 17, 731-738.	0.5	5
1629	A hybrid variable neighborhood search algorithm for solving multi-objective flexible job shop problems. Computer Science and Information Systems, 2010, 7, 907-930.	0.7	22
1630	Particle Swarm Optimization and Tabu Search Hybrid Algorithm for Flexible Job Shop Scheduling Problem â€ Analysis of Test Results. Cybernetics and Information Technologies, 2019, 19, 26-44.	0.4	11
1631	Flexible Job-Shop Scheduling Problem Based on Hybrid ACO Algorithm. International Journal of Simulation Modelling, 2017, 16, 497-505.	0.6	14
1632	JOB SHOP SCHEDULING CONSIDERING MAKESPAN, PENALTIES OF MACHINE IDLING, AND JOB OUT OF TIME. International Journal of Research -GRANTHAALAYAH, 2019, 7, 73-82.	0.1	1
1633	Multi-Objective Scheduling Problems for Re-Entrant Shops. Atlantis Computational Intelligence Systems, 2012, , 271-293.	0.5	1

#	ARTICLE	IF	CITATIONS
1634	A hybrid algorithm to minimize makespan for the permutation flow shop scheduling problem. International Journal of Computational Intelligence Systems, 2010, 3, 853.	1.6	5
1635	Equation based parallelization of Modelica models. , 2014, , .		11
1636	A Hybrid Algorithm for Flowshop Scheduling Problem. Zidonghua Xuebao/Acta Automatica Sinica, 2009, 35, 332-336.	0.3	3
1637	Speed Optimization for Tasks with Two Resources. , 2016, , .		1
1638	Improved Artificial Immune Algorithm and its application on the Permutation Flow Shop Sequencing Problems. Information Technology Journal, 2007, 6, 929-933.	0.3	8
1639	A priority-based genetic algorithm for a flexible job shop scheduling problem. Journal of Industrial and Management Optimization, 2016, 12, 1391-1415.	0.8	11
1640	A literature review on latest developments of Harmony Search and its applications to intelligent manufacturing. Mathematical Biosciences and Engineering, 2019, 16, 2086-2117.	1.0	24
1641	Global Bacteria Optimization Meta-Heuristic. , 0, , 178-194.		4
1642	Global Bacteria Optimization Meta-Heuristic Algorithm for Jobshop Scheduling. International Journal of Operations Research and Information Systems, 2010, 1, 47-58.	1.0	11
1643	Solving Job Shop Scheduling Problem Using Genetic Algorithm with Penalty Function. International Journal of Intelligent Information Processing, 2010, 1, 65-77.	0.1	28
1644	Representations in Genetic Algorithm for the Job Shop Scheduling Problem: A Computational Study. Journal of Software Engineering and Applications, 2010, 03, 1155-1162.	0.8	13
1645	Improve the Performance of a Complex FMS with a Hybrid Machine Learning Algorithm. Journal of Software Engineering and Applications, 2017, 10, 257-272.	0.8	3
1646	Variable Neighbourhood Search for Job Shop Scheduling Problems. Journal of Software, 2006, 1, .	0.6	15
1647	Flow shop scheduling decisions through Techniques for Order Preference by Similarity to an Ideal Solution (TOPSIS). International Journal of Production Management and Engineering, 2016, 4, 43.	0.8	5
1648	Extension of the Dynasearch to the Two-Machine Permutation Flowshop Scheduling Problem. Transactions of the Institute of Systems Control and Information Engineers, 2011, 24, 23-30.	0.1	1
1649	Adaptive Production Scheduling and Control in One-Of-A-Kind Production. , 0, , .		1
1651	Differential Evolution Algorithm for Job Shop Scheduling Problem. Industrial Engineering and Management Systems, 2011, 10, 203-208.	0.3	14
1652	Multiobjective Genetic Algorithm for Scheduling Problems in Manufacturing Systems. Industrial Engineering and Management Systems, 2012, 11, 310-330.	0.3	11

#	ARTICLE	IF	CITATIONS
1653	An Efficient PSO Algorithm for Finding Pareto-Frontier in Multi-Objective Job Shop Scheduling Problems. <i>Industrial Engineering and Management Systems</i> , 2013, 12, 151-160.	0.3	23
1654	Resource Management in Machine Scheduling Problems: A Survey. <i>Decision Making in Manufacturing and Services</i> , 2013, 1, 59-89.	0.2	24
1655	Decision Tree based Scheduling for Static and Dynamic Flexible Job Shops with Multiple Process Plans. <i>Journal of the Korean Society for Precision Engineering</i> , 2015, 32, 25-37.	0.1	5
1656	Min-Max Regret Version of an m-Machine Ordered Flow Shop with Uncertain Processing Times. <i>Management Science and Financial Engineering</i> , 2015, 21, 1-9.	0.1	2
1657	Implementation of CSA with Clone-Mutation Mechanism to the JSSP. <i>International Journal of Machine Learning and Computing</i> , 0, , 6-9.	0.8	2
1658	Pareto-based Hybrid Multi-Objective Evolutionary Algorithm for Flexible Job-shop Scheduling Problem. <i>IOSR Journal of Mathematics</i> , 2013, 9, 36-45.	0.1	2
1659	Scheduling Coflows With Dependency Graph. <i>IEEE/ACM Transactions on Networking</i> , 2022, 30, 450-463.	2.6	6
1660	A Monte Carlo based method to maximize the service level on the makespan in the stochastic flexible job-shop scheduling problem. , 2021, , .		2
1661	Real-time integrated production-scheduling and maintenance-planning in a flexible job shop with machine deterioration and condition-based maintenance. <i>Journal of Manufacturing Systems</i> , 2021, 61, 423-449.	7.6	44
1662	Enabling In-Depot Automated Routing and Recharging Scheduling for Automated Electric Bus Transit Systems. <i>Journal of Advanced Transportation</i> , 2021, 2021, 1-15.	0.9	4
1663	Exact solutions for the two-machine robust flow shop with budgeted uncertainty. <i>European Journal of Operational Research</i> , 2022, 300, 46-57.	3.5	13
1664	A New Ant Algorithmic Approach for Solving PFSP. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2022, 46, 181-188.	0.7	0
1665	Minimizing the total tardiness and the total carbon emissions in the permutation flow shop scheduling problem. <i>Computers and Operations Research</i> , 2022, 138, 105604.	2.4	16
1666	A simulation-based modified backtracking search algorithm for multi-objective stochastic flexible job shop scheduling problem with worker flexibility. <i>Applied Soft Computing Journal</i> , 2021, 113, 107960.	4.1	9
1667	An Effective Multi-population Grey Wolf Optimizer based on Reinforcement Learning for Flow Shop Scheduling Problem with Multi-machine Collaboration. <i>Computers and Industrial Engineering</i> , 2021, 162, 107738.	3.4	22
1668	Linear Time Approximation Schemes for Shop Scheduling Problems. <i>Nonconvex Optimization and Its Applications</i> , 2000, , 338-346.	0.1	0
1669	Scheduling in Flow and Open Shops. , 2001, , 247-272.		0
1670	Lerneffekte in der Ablaufplanung. , 2003, , 117-138.		0

#	ARTICLE	IF	CITATIONS
1671	Advanced Planning and Scheduling Models. , 2003, , .		0
1675	An Improved Genetic-Based Particle Swarm Optimization for No-Idle Permutation Flow Shops with Fuzzy Processing Time. Lecture Notes in Computer Science, 2006, , 757-766.	1.0	3
1676	Uma propriedade estrutural do problema de programao da produo flow shop permutacional com tempos de setup. Pesquisa Operacional, 2007, 27, 487-515.	0.1	3
1677	Evolutionary Optimization in Production Research. , 2007, , 483-497.		0
1678	Parallel Path-Relinking Method for the Flow Shop Scheduling Problem. Lecture Notes in Computer Science, 2008, , 264-273.	1.0	2
1679	A Fuzzy Heuristic Algorithm For The Flow Shop Scheduling Problem. Journal of Mathematics and Computer Science, 2010, 01, 349-354.	0.5	1
1680	Study on Iterated Local Search Algorithm for Permutation Flowshop Problem with Total Flowtime Objective. Communications in Computer and Information Science, 2011, , 236-245.	0.4	0
1681	An Improved Iterated Local Search Algorithm for the Permutation Flowshop Problem with Total Flowtime. Lecture Notes in Electrical Engineering, 2011, , 41-48.	0.3	0
1682	Role Assignment in Institutional Clouds for Rule-Based Enterprise Management. Lecture Notes in Computer Science, 2011, , 237-251.	1.0	0
1683	Mathematical Model and Hybrid Scatter Search for Cost Driven Job-shop Scheduling Problem. Journal of Networks, 2011, 6, .	0.4	2
1684	Tabu Search Algorithm For Solving of Job Shop Scheduling with Single Objective - Makespan Minimization. Indian Journal of Applied Research, 2011, 3, 365-367.	0.0	0
1685	Global Bacteria Optimization Meta-Heuristic Algorithm for Jobshop Scheduling. , 2012, , 182-193.		0
1686	An Evolutionary Approach to Practical Constraints in Scheduling: A Case-Study of the Wine Bottling Problem. , 2012, , 31-58.		0
1687	Solving Flow Shop Problems with Bounded Dynamic Programming. , 2012, , 329-337.		0
1688	Online Strategies for Optimizing Medical Supply in Disaster Scenarios. , 2012, , 95-116.		0
1690	Fast Parallel Cost Function Calculation for the Flow Shop Scheduling Problem. Lecture Notes in Computer Science, 2012, , 378-386.	1.0	0
1691	Services Merging, Splitting and Execution in Systems Based on Service Oriented Architecture Paradigm. Advances in Intelligent and Soft Computing, 2012, , 103-118.	0.2	2
1692	Bi-criteria flow shop scheduling with fuzzy simulated annealing algorithm. African Journal of Business Management, 2012, 6, .	0.4	0

#	ARTICLE	IF	CITATIONS
1693	Scheduling analysis of flexible job shop system by improved gravitational search algorithm. African Journal of Business Management, 2012, 6, .	0.4	0
1694	Study on an Affected Operations Rescheduling Method Responding to Stochastic Disturbances. , 2013, , 117-125.		0
1695	DVS Scheduling in a Line or a Star Network of Processors. Lecture Notes in Computer Science, 2013, , 101-113.	1.0	0
1696	The Multiple Batch Processing Machine Problem with Stage Specific Incompatible Job Families. Lecture Notes in Logistics, 2013, , 113-124.	0.6	1
1697	Discovering Dispatching Rules for Job Shop Scheduling Using Data Mining. Advances in Intelligent Systems and Computing, 2013, , 63-72.	0.5	2
1698	Scheduling Multiple Batch Processing Machines with Stage Specific Incompatible Job Families. Lecture Notes in Logistics, 2013, , 125-139.	0.6	0
1699	Job Shop Scheduling with Petri Nets. , 2013, , 1667-1711.		1
1700	A Combination of Flow Shop Scheduling and the Shortest Path Problem. SSRN Electronic Journal, 0, , .	0.4	0
1702	Scheduling Problems with Variable Job Processing Times. , 2014, , 217-260.		0
1703	Problems, Algorithms and Complexity. , 2014, , 23-55.		0
1704	Single Machine Problems. , 2014, , 57-145.		0
1705	Batching Scheduling Problems. , 2014, , 147-187.		0
1706	A Self-adaptive Iterated Local Search Algorithm on the Permutation Flow Shop Scheduling Problem. , 2014, , .		2
1708	Recent Advances in Multiobjective Genetic Algorithms for Manufacturing Scheduling Problems. Advances in Intelligent Systems and Computing, 2014, , 815-831.	0.5	0
1710	Task Switching and Single vs. Multiple Alarms for Supervisory Control of Multiple Robots. Lecture Notes in Computer Science, 2014, , 499-510.	1.0	1
1711	Recent Results in Real-Time Scheduling. , 1991, , 91-127.		7
1712	Äœberblick Ä¼ber anwendungsbezogene VerÄ¼ffentlichungen. , 1992, , 159-196.		0
1713	Static Shop Scheduling. , 1993, , 172-192.		0

#	ARTICLE	IF	CITATIONS
1714	Maschinenbelegungsplanung. Springer-Lehrbuch, 1993, , 249-410.	0.1	0
1715	A Branch-and-Bound Technique Based on Fuzzy Inference. IEEJ Transactions on Electronics, Information and Systems, 1994, 114, 470-475.	0.1	0
1716	Static Shop Scheduling. , 1994, , 171-191.		1
1717	Optimal Scheduling for an Automated Three-Machine Flowshop Manufacturing System. Transactions of the Society of Instrument and Control Engineers, 1995, 31, 658-665.	0.1	0
1718	Schrifttumsverzeichnis. , 1995, , 135-150.		0
1719	Scheduling in Flow and Open Shops. , 1996, , 249-274.		0
1720	Maschinenbelegungsplanung. Springer-Lehrbuch, 1997, , 279-446.	0.1	1
1721	Optimal Scheduling for a Three-Machine Robotic Cell with Finite Buffer. Transactions of the Institute of Systems Control and Information Engineers, 1997, 10, 567-574.	0.1	0
1722	Hybrid Systems for Production Control. , 1998, , 441-492.		0
1723	Hybrid Fuzzy Adaptive Particle Swarm Optimization Algorithm for Fuzzy Job Shop Scheduling Problem (FJSSP). International Journal of Computer Applications, 2014, 91, 34-38.	0.2	1
1724	Recursive Variable Neighborhood Search. International Journal of Machine Learning and Computing, 2014, 4, 263-270.	0.8	0
1727	Improved Intelligent Water Drops Optimization Algorithm for Achieving Single and Multiple Objective Job Shop Scheduling Solutions. , 2015, , 3451-3474.		0
1728	Un Modelo Híbrido de Inteligencia Computacional para Resolver el Problema de Job Shop Scheduling. Research in Computing Science, 2014, 79, 9-20.	0.1	0
1729	Experimental Analysis with Variable Neighborhood Search for Discrete Optimization Problems. , 2015, , 4090-4106.		1
1730	A Plant Growth Simulation Algorithm for Permutation Flow Shop Scheduling Problem. , 0, , .		0
1731	The Scheduling of Anti-Retroviral Drugs Production Line. Journal of Medical and Bioengineering, 2015, 4, 244-249.	0.5	0
1732	Application of plant growth simulation algorithm. , 0, , .		1
1733	Flow Shops and Flexible Flow Shops (Deterministic). , 2016, , 151-181.		0

#	ARTICLE	IF	CITATIONS
1734	Application of plant growth simulation algorithm for permutation flow shop scheduling problem. , 2016, , .		0
1735	A Special Case of Three Machine Flow Shop Scheduling. Industrial Engineering and Management Systems, 2016, 15, 32-40.	0.3	0
1736	Modelling and Simulation of a Multi-Resource Flexible Job-Shop Scheduling. International Journal of Simulation Modelling, 2016, 15, 157-169.	0.6	2
1738	Minimizing Total Completion Time in Flowshop with Availability Constraint on the First Machine. , 0, , .		0
1739	Sixty Years of Economics: Some Lessons for the Future. Lecture Notes in Management and Industrial Engineering, 2017, , 25-67.	0.3	0
1741	An Incorporation of the Fuzzy Greedy Search Heuristic With Evolutionary Approaches for Combinatorial Optimization in Operations Management. International Journal of Applied Evolutionary Computation, 2017, 8, 58-72.	0.7	1
1742	Fuzzy Greedy Search. International Journal of Applied Management Sciences and Engineering, 2017, 4, 1-12.	0.1	0
1743	Analysis of Advanced Algorithms Master Production Schedule for Custom Manufacture of Furniture. Forestry Engineering Journal, 2017, 7, 299-306.	0.1	0
1744	Scheduling in Flexible Manufacturing Systems. Advances in Logistics, Operations, and Management Science Book Series, 2018, , 1-19.	0.3	0
1745	Prozessbegleitende Optimierung in der Produktionssteuerung. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2018, 113, 277-280.	0.2	0
1746	A metaheuristic for solving flowshop problem. International Journal of Advanced Computer Research, 2018, 8, 180-190.	1.2	0
1747	Enhancing Concurrent ETL Task Schedule with Altruistic Strategy. Advances in Intelligent Systems and Computing, 2019, , 201-212.	0.5	1
1748	Application of Biogeography-Based Optimization in Job Scheduling. , 2019, , 143-175.		0
1749	A Scheduling Theory Framework for GPU Tasks Efficient Execution. Lecture Notes in Computer Science, 2019, , 146-159.	1.0	0
1750	Exploiting Setup Time Constraints in Local Search for Flowshop Scheduling. Lecture Notes in Computer Science, 2019, , 379-392.	1.0	0
1751	Optimization of System Utilization and Throughput in FMS using Taguchi and ANOVA Approach. SSRN Electronic Journal, 0, , .	0.4	0
1752	Smart Make-to-Order Production in a Flow Shop Environment for Industry 4.0. Advances in Logistics, Operations, and Management Science Book Series, 2019, , 210-243.	0.3	0
1753	Optimizing Space of Parallel Processes. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 289, 53-67.	0.8	0

#	ARTICLE	IF	CITATIONS
1754	THE NETWORK PROGRAMMING METHOD APPLICATION IN THE SCHEDULING TASKS. Proceedings of Southwest State University, 2019, 22, 119-126.	0.3	0
1755	Design Optimization of Time-Triggered Ethernet based on Routing and Scheduling Strategy. , 2019, , .		3
1756	AMIR. ACM Transactions on Modeling and Performance Evaluation of Computing Systems, 2019, 4, 1-36.	0.8	1
1757	CSO to Solve the Shop Scheduling Problem: Survey. Advances in Intelligent Systems and Computing, 2020, , 34-44.	0.5	0
1758	GEP-Based Reactive Scheduling Policies for Dynamic FJSP with Job Release Dates. Engineering Applications of Computational Methods, 2020, , 405-428.	0.5	2
1759	An Effective Hybrid Particle Swarm Optimization Algorithm for Multi-objective FJSP. Engineering Applications of Computational Methods, 2020, , 251-277.	0.5	0
1760	Recent Bio-inspired Algorithms for Solving Flexible Job Shop Scheduling Problem: A Comparative Study. Communications in Computer and Information Science, 2020, , 398-407.	0.4	0
1761	A Gibbs sampling based coordination scheduling method with fixed I/O constraint. Computers and Industrial Engineering, 2020, 142, 106304.	3.4	1
1762	Development of NEH for Permutation Flowshop Scheduling Problem. , 2020, , .		0
1763	Sales Kit Automated Production: An Integrated Procedure for Setup Reduction in Case of High Products Variety. Applied Sciences (Switzerland), 2021, 11, 10110.	1.3	1
1764	Metaheuristics with restart and learning mechanisms for the no-idle flowshop scheduling problem with makespan criterion. Computers and Operations Research, 2022, 138, 105616.	2.4	13
1765	A Polynomial-Time Algorithm for the Routing Flow Shop Problem with Two Machines: An Asymmetric Network with a Fixed Number of Nodes. Lecture Notes in Computer Science, 2020, , 301-312.	1.0	1
1766	An Effective Genetic Algorithm for FJSP. Engineering Applications of Computational Methods, 2020, , 133-155.	0.5	0
1767	Single-objective Distributed Permutation Flowshop Scheduling Optimization via Multi-objectivization by A Helper Objective. , 2020, , .		1
1768	Job Shop Scheduling Problem Neural Network Solver with Dispatching Rules. , 2020, , .		2
1769	CONVJSSP: Convolutional Learning for Job-Shop Scheduling Problems. , 2020, , .		2
1770	Deep Q-Network Model for Dynamic Job Shop Scheduling Problem Based on Discrete Event Simulation. , 2020, , .		9
1771	A Tailored NSGA-III for Multi-objective Flexible Job Shop Scheduling. , 2020, , .		4

#	ARTICLE	IF	CITATIONS
1772	Improved nondominated sorting genetic algorithm-II for bi-objective flexible job-shop scheduling problem. , 2020, , .		2
1773	Exploring Reward-based Hyper-heuristics for the Job-shop Scheduling Problem. , 2020, , .		7
1774	Flexible flow shop scheduling with interval grey processing time. Grey Systems Theory and Application, 2021, 11, 779-795.	1.0	7
1775	Optimization of bi-objective permutation flow shop scheduling with electricity cost consideration. IOP Conference Series: Materials Science and Engineering, 0, 909, 012045.	0.3	1
1776	Minimize makespan of permutation flowshop using pointer network. Journal of Computational Design and Engineering, 2021, 9, 51-67.	1.5	8
1777	A Hybrid Algorithm for Job Shop Scheduling Problem. Engineering Applications of Computational Methods, 2020, , 107-131.	0.5	0
1778	An Effective Collaborative Evolutionary Algorithm for FJSP. Engineering Applications of Computational Methods, 2020, , 157-165.	0.5	0
1779	Advanced Metaheuristics for Bicriteria No-Wait Flow Shop Scheduling Problem. Advances in Intelligent Systems and Computing, 2020, , 121-135.	0.5	0
1780	Two stage approach to address the flexible job shop scheduling problem using an evolutionary algorithm considering random machine breakdowns. AIP Conference Proceedings, 2020, , .	0.3	3
1781	No-Wait Flowshop Scheduling Problem with Bicriteria of Idle Time and Makespan. Advances in Intelligent Systems and Computing, 2020, , 549-557.	0.5	0
1782	A Framework for Speculative Job Scheduling on Mobile Cloud Resources. , 2020, , 103-128.		0
1783	A Resource Usage Efficient Distributed Allocation Algorithm for 5G Service Function Chains. Lecture Notes in Computer Science, 2020, , 169-185.	1.0	0
1784	A Memetic Algorithm with Parallel Local Search for Flowshop Scheduling Problems. Lecture Notes in Computer Science, 2020, , 201-213.	1.0	3
1785	Hormone Regulation Based Algorithms for Production Scheduling Optimization. Research on Intelligent Manufacturing, 2020, , 19-45.	0.2	1
1786	Mathematical Modeling and Evolutionary Algorithm-Based Approach for IPPS. Engineering Applications of Computational Methods, 2020, , 167-189.	0.5	0
1787	Flow Shop Scheduling Problems in Industry 4.0 Production Environments: Missing Operation Case. , 2021, , 1-23.		2
1788	Deep Reinforcement Learning Based Optimization Algorithm for Permutation Flow-Shop Scheduling. IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, 7, 983-994.	3.4	23
1789	JOB-SHOP SCHEDULING OPTIMIZATION WITH STOCHASTIC PROCESSING TIMES. International Journal of Engineering Technologies and Management Research, 2019, 6, 73-83.	0.1	1

#	ARTICLE	IF	CITATIONS
1790	Multidirection Update-Based Multiobjective Particle Swarm Optimization for Mixed No-Idle Flow-Shop Scheduling Problem. <i>Complex System Modeling and Simulation</i> , 2021, 1, 176-197.	3.2	31
1791	Research on the Application of Improved Genetic Algorithm in Multi-vehicle Operation Scheduling of steel plant. , 2020, , .		0
1792	Alternative Heuristic Algorithm for Flow Shop Scheduling Problem. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 0, , 277-297.	0.3	1
1793	Durchlaufzeitcontrolling in der industriellen Auftragsfertigung. , 2008, , 115-138.		0
1794	A Genetic Algorithm with a Quasi-local Search for the Job Shop Problem with Recirculation. , 2006, , 221-234.		2
1795	The Flow Shop Problem with Random Operation Processing Times. , 2006, , 697-702.		0
1796	Advanced Planning and Scheduling Models. <i>Decision Engineering</i> , 2008, , 297-417.	1.5	0
1798	A Hybrid Approach for Solving Shift-Selection and Task-Sequencing Problems. , 2008, , 288-292.		2
1799	An Efficient Flow-Shop Scheduling Algorithm Based on a Hybrid Particle Swarm Optimization Model. , 2007, , 303-312.		9
1801	Dispatching Rule based on Chromaticity and Color Sequence Priorities for the Gravure Printing Operation. <i>Journal of Society of Korea Industrial and Systems Engineering</i> , 2020, 43, 10-20.	0.0	0
1802	Integrating Machine Scheduling and Transportation Resource Allocation in a Job Shop: A Simulation Approach. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 13-26.	0.3	0
1803	A Real-World Transport Scheduler Applied to Australian Sugarcane Industry. , 2020, , .		1
1804	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, 107843.	3.4	14
1805	The Pareto Frontier of Inefficiency in Mechanism Design. <i>Mathematics of Operations Research</i> , 2022, 47, 923-944.	0.8	1
1806	An QUasi-Affine TRansformation Evolution (QUATRE) Algorithm for Job-Shop Scheduling Problem by Mixing Different Strategies. <i>Smart Innovation, Systems and Technologies</i> , 2022, , 167-175.	0.5	0
1807	Optimization of No-Wait Flowshop Scheduling Problem in Bakery Production with Modified PSO, NEH and SA. <i>Processes</i> , 2021, 9, 2044.	1.3	9
1808	Stochastic modelling of process scheduling for reduced rework cost and scrap. <i>International Journal of Production Research</i> , 2023, 61, 219-237.	4.9	2
1809	TPD: Temporal and Positional Computation Offloading with Dynamic and Dependent Tasks. <i>Wireless Communications and Mobile Computing</i> , 2021, 2021, 1-15.	0.8	1

#	ARTICLE	IF	CITATIONS
1810	Flexible job shop scheduling problem considering machine and order acceptance, transportation costs, and setup times. <i>Soft Computing</i> , 2022, 26, 3527-3543.	2.1	6
1811	Optimal Control of Biomass Feedstock Processing System Under Uncertainty in Biomass Quality. <i>IEEE Transactions on Automation Science and Engineering</i> , 2022, 19, 1645-1661.	3.4	0
1812	Robust Fuzzy-Stochastic Programming Model and Meta-Heuristic Algorithms for Dual-Resource Constrained Flexible Job-Shop Scheduling Problem Under Machine Breakdown. <i>IEEE Access</i> , 2021, 9, 155740-155762.	2.6	9
1813	Grid-Based Hybrid Genetic Approach to Relaxed Flexible Flow Shop with Sequence-Dependent Setup Times. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 607.	1.3	3
1814	Decomposition-Based Job-Shop Scheduling with Constrained Clustering. <i>Lecture Notes in Computer Science</i> , 2022, , 165-180.	1.0	4
1815	Novel hybrid discrete differential evolution algorithm for the multi-stage multi-purpose batch plant scheduling problem. <i>Applied Soft Computing Journal</i> , 2022, 115, 108262.	4.1	4
1816	Distributed no-wait flow shop problem with sequence dependent setup time: Optimization of makespan and maximum tardiness. <i>Simulation Modelling Practice and Theory</i> , 2022, 116, 102455.	2.2	14
1817	Computer System for Optimal Planning of Multi-assortment Polymer Films Industrial Production. , 2020, , .		4
1818	Fair Virtual Network Function Scheduling with Deep Reinforcement Learning. , 2021, , .		3
1819	Scheduling by NSGA-II: Review and Bibliometric Analysis. <i>Processes</i> , 2022, 10, 98.	1.3	34
1820	Differential Evolution Algorithm Combined with Uncertainty Handling Techniques for Stochastic Reentrant Job Shop Scheduling Problem. <i>Complexity</i> , 2022, 2022, 1-11.	0.9	5
1822	Three Hybrid Scatter Search Algorithms for Multi-Objective Job Shop Scheduling Problem. <i>Axioms</i> , 2022, 11, 61.	0.9	4
1823	Innovative smart scheduling and predictive maintenance techniques. , 2022, , 181-207.		9
1824	A multi-objective mathematical model and evolutionary algorithm for the dual-resource flexible job-shop scheduling problem with sequencing flexibility. <i>Flexible Services and Manufacturing Journal</i> , 2023, 35, 626-668.	1.9	9
1826	A Discrete Teaching-Based Learning Based Optimization Algorithm with Local Search for Rescue Task Allocation and Scheduling. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1828	Analysis and Characterization of the Spread of COVID-19 in Mexico through Complex Networks and Optimization Approaches. <i>Complexity</i> , 2022, 2022, 1-12.	0.9	5
1829	Complexity and approximation of open shop scheduling to minimize the makespan: A review of models and approaches. <i>Computers and Operations Research</i> , 2022, 144, 105732.	2.4	8
1830	Minimizing the Late Work of the Flow Shop Scheduling Problem with a Deep Reinforcement Learning Based Approach. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2366.	1.3	5

#	ARTICLE	IF	CITATIONS
1831	Embedded PSO for Solving FJSP on Embedded Environment (Industry 4.0 Era). Applied Sciences (Switzerland), 2022, 12, 2829.	1.3	2
1832	Swarm intelligent based metaheuristics for a bi-objective flexible job shop integrated supply chain scheduling problems. Applied Soft Computing Journal, 2022, 121, 108794.	4.1	8
1833	Solving job scheduling problems in a resource preemption environment with multi-agent reinforcement learning. Robotics and Computer-Integrated Manufacturing, 2022, 77, 102324.	6.1	36
1834	Dynamic scheduling method for integrated process planning and scheduling problem with machine fault. Robotics and Computer-Integrated Manufacturing, 2022, 77, 102334.	6.1	23
1836	Flexible Job Shop Scheduling Based on Deep Reinforcement Learning. , 2021, , .		5
1837	A Comparative Study of Multi-objective Flexible Job-shop Scheduling Problem. , 2021, , .		0
1838	Joint optimization of flow-shop scheduling and maintenance planning with processing speed selection by an improved genetic algorithm. , 2021, , .		0
1839	Encoder-Decoder Neural Network Architecture for solving Job Shop Scheduling Problems using Reinforcement Learning. , 2021, , .		3
1840	Meeting Demands for Mass Customization: A Hybrid Organic Computing Approach. , 2021, , .		2
1841	A Novel Cuckoo Search Algorithm for Solving Permutation Flowshop Scheduling Problems. , 2021, , .		0
1842	Exactly Solving Hard Permutation Flowshop Scheduling Problems on Peta-Scale GPU-Accelerated Supercomputers. INFORMS Journal on Computing, 2022, 34, 2502-2522.	1.0	3
1843	A landscape-based analysis of fixed temperature and simulated annealing. European Journal of Operational Research, 2023, 304, 395-410.	3.5	3
1844	Deep Reinforcement Learning for Dynamic Flexible Job Shop Scheduling with Random Job Arrival Processes, 2022, 10, 760.	1.3	33
1850	Dynamic Scheduling Method for Job-Shop Manufacturing Systems by Deep Reinforcement Learning with Proximal Policy Optimization. Sustainability, 2022, 14, 5177.	1.6	14
1851	Scheduling of two-machine flowshop with outsourcing lead-time. Computers and Operations Research, 2022, 145, 105864.	2.4	4
1852	An End-to-End Deep Reinforcement Learning Approach for Job Shop Scheduling. , 2022, , .		4
1853	A Fuzzy Simheuristic for the Permutation Flow Shop Problem under Stochastic and Fuzzy Uncertainty. Mathematics, 2022, 10, 1760.	1.1	6
1854	Benchmarking Answer Set Programming systems for resource allocation in business processes. Expert Systems With Applications, 2022, 205, 117599.	4.4	4

#	ARTICLE	IF	CITATIONS
1855	Energy-Efficient Scheduling in Job Shop Manufacturing Systems: A Literature Review. Sustainability, 2022, 14, 6264.	1.6	14
1856	Adaptive search space to generate a per-instance genetic algorithm for the permutation flow shop problem. Applied Soft Computing Journal, 2022, 124, 109079.	4.1	6
1858	An Online Reinforcement Learning Approach for Solving the Dynamic Flexible Job-Shop Scheduling Problem for Multiple Products and Constraints. , 2021, , .		0
1859	Scheduling with Multiple Dispatch Rules: A Quantum Computing Approach. Lecture Notes in Computer Science, 2022, , 233-246.	1.0	1
1860	An Auto-MILP Model for Flexible Job Shop Scheduling Problem. IFAC-PapersOnLine, 2022, 55, 137-142.	0.5	4
1861	A multi-action deep reinforcement learning framework for flexible Job-shop scheduling problem. Expert Systems With Applications, 2022, 205, 117796.	4.4	33
1863	An improved procedure for solving minimum makespan on a flowshop. , 2022, , .		0
1864	An Integrated Intelligent Computation for Complex Problems in Engineering Management. Advances in Logistics, Operations, and Management Science Book Series, 2022, , 1-29.	0.3	0
1866	An effective parallel evolutionary metaheuristic with its application to three optimization problems. Applied Intelligence, 0, , .	3.3	2
1867	An End-to-End Deep Learning Method for Dynamic Job Shop Scheduling Problem. Machines, 2022, 10, 573.	1.2	3
1868	Solving Rescheduling Problems in Dynamic Permutation Flow Shop Environments with Multiple Objectives Using the Hybrid Dynamic Non-Dominated Sorting Genetic II Algorithm. Mathematics, 2022, 10, 2395.	1.1	5
1869	Problem Decomposition and Multi-shot ASP Solving for Job-shop Scheduling. Theory and Practice of Logic Programming, 2022, 22, 623-639.	1.1	8
1870	Advances in Adaptive Scheduling in Industry 4.0. , 0, 2, .		3
1871	Surrogate-assisted automatic evolving of dispatching rules for multi-objective dynamic job shop scheduling using genetic programming. Expert Systems With Applications, 2022, 209, 118194.	4.4	15
1872	A variable neighborhood search algorithm for a PET/CT examination scheduling problem considering multi-stage process and deteriorating effect. Optimization Letters, 0, , .	0.9	0
1873	Discrete Artificial Algae Algorithm for solving Job-Shop Scheduling Problems. Knowledge-Based Systems, 2022, 256, 109711.	4.0	5
1874	Hybrid Monte Carlo tree search based multi-objective scheduling. Production Engineering, 0, , .	1.1	1
1875	A Case Study of a Bi-objective Model for Flow-Shop Scheduling Problem. Lecture Notes in Mechanical Engineering, 2023, , 655-663.	0.3	1

#	ARTICLE	IF	CITATIONS
1876	A Hybrid Search Using Genetic Algorithms and Random-Restart Hill-Climbing for Flexible Job Shop Scheduling Instances with High Flexibility. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 8050.	1.3	9
1877	Application of job shop scheduling approach in green patient flow optimization using a hybrid swarm intelligence. <i>Computers and Industrial Engineering</i> , 2022, 172, 108603.	3.4	4
1878	Mathematical Modelling and Heuristic Approaches to Job-shop Scheduling Problem with Conveyor-based Continuous Flow Transporters. <i>Computers and Operations Research</i> , 2022, 148, 105998.	2.4	3
1879	Fair Virtual Network Function Mapping and Scheduling Using Proximal Policy Optimization. <i>IEEE Transactions on Communications</i> , 2022, 70, 7434-7445.	4.9	5
1880	Combining Machine Learning with Mixed Integer Linear Programming in Solving Complex Scheduling Problems. <i>Computer Aided Chemical Engineering</i> , 2022, , 451-456.	0.3	0
1881	A New Variant of the Distributed Permutation Flow Shop Scheduling Problem with Worker Flexibility. <i>Communications in Computer and Information Science</i> , 2022, , 587-597.	0.4	2
1882	Hybrid Deep Convolution Network and Differential Evolution Algorithm for Solving Non-Permutation Flow Shop Scheduling Problem. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1883	Analysing a meta-model for production scheduling in different kind of flow shop configurations. <i>Procedia CIRP</i> , 2022, 112, 51-56.	1.0	0
1884	A production planning and scheduling problem focused on both productivity and quality issues in tannery industries. <i>Procedia CIRP</i> , 2022, 112, 573-578.	1.0	0
1885	An Adaptive Job Shop Scheduler Using Multilevel Convolutional Neural Network and Iterative Local Search. <i>IEEE Access</i> , 2022, 10, 88079-88092.	2.6	1
1886	A Hyperheuristic With Q-Learning for the Multiobjective Energy-Efficient Distributed Blocking Flow Shop Scheduling Problem. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 3337-3350.	6.2	57
1887	An Analysis on Hybrid Brain Storm Optimisation Algorithms. <i>Lecture Notes in Computer Science</i> , 2022, , 505-516.	1.0	1
1888	Industrial-size job shop scheduling with constraint programming. <i>Operations Research Perspectives</i> , 2022, 9, 100249.	1.2	8
1889	Learning-based Selection process for Branch and Bound Algorithms. , 2022, , .		0
1890	Genetic Programming Hyper-heuristic with Gaussian Process-based Reference Point Adaption for Many-Objective Job Shop Scheduling. , 2022, , .		2
1891	Bilevel Optimization for Just-in-Time Robotic Kitting and Delivery via Adaptive Task Segmentation and Scheduling. , 2022, , .		1
1892	An approximate evaluation method for neighbourhood solutions in job shop scheduling problem. <i>IET Collaborative Intelligent Manufacturing</i> , 2022, 4, 157-165.	1.9	4
1893	Multipopulation GA/IWO with Coupled Scale-Free Networks for Solving Flexible Job-Shop Scheduling Problems. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-14.	0.6	0

#	ARTICLE	IF	CITATIONS
1894	Track Utilization Optimization Method for Arrival Yard of Marshalling Station Considering Arrival and Break-Up Coordination Operation. <i>Mathematics</i> , 2022, 10, 3289.	1.1	1
1895	A Multiobjective Variable Neighborhood Search with Learning and Swarm for Permutation Flowshop Scheduling with Sequence-Dependent Setup Times. <i>Processes</i> , 2022, 10, 1786.	1.3	1
1896	Threat elimination algorithm for Dual Resource Constrained Flexible Job Shop Scheduling Problems. <i>IFAC-PapersOnLine</i> , 2022, 55, 2288-2293.	0.5	0
1897	Robust Job Shop Scheduling with Condition-Based Maintenance and Random Breakdowns. <i>IFAC-PapersOnLine</i> , 2022, 55, 1225-1230.	0.5	0
1898	Job Shop Sequencing in Manufacturing Plants by Timed Coloured Petri Nets and Particle Swarm Optimization. <i>IFAC-PapersOnLine</i> , 2022, 55, 350-355.	0.5	1
1899	Implementation of the Mushroom Picking Framework for Solving Flexible Job Shop Scheduling Problems in Parallel. <i>Procedia Computer Science</i> , 2022, 207, 292-298.	1.2	1
1900	Modified Coral Reef Optimization Methods for Job Shop Scheduling Problems. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 9867.	1.3	1
1901	A Self-Adjusting Search Domain Method-Based Genetic Algorithm for Solving Flexible Job Shop Scheduling Problem. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-14.	1.1	0
1902	A Self-Adaptive Differential Evolution Algorithm Based on Model Transformation for Flexible Job-Shop Scheduling Problem with Lot Streaming. , 2022, , .		0
1903	Integrated consultation and chemotherapy scheduling with stochastic treatment times. <i>Journal of the Operational Research Society</i> , 2023, 74, 2012-2027.	2.1	2
1904	Reinforcement Learning Based Graphical User Interface to Solve the Permutation Flow Shop Problem. <i>Lecture Notes in Networks and Systems</i> , 2023, , 1058-1068.	0.5	1
1905	Heuristic algorithms for carton production scheduling problems with technicians and different machines. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 0, , 095440542211288.	1.5	0
1906	Moderate worst-case complexity bounds for the permutation flowshop scheduling problem using Inclusionâ€“Exclusion. <i>Journal of Scheduling</i> , 0, , .	1.3	1
1907	Equilibrium Optimizer and Slime Mould Algorithm with Variable Neighborhood Search for Job Shop Scheduling Problem. <i>Mathematics</i> , 2022, 10, 4063.	1.1	5
1908	Learning-Based Cuckoo Search Algorithm to Schedule a Flexible Job Shop With Sequencing Flexibility. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 6663-6675.	6.2	7
1909	Flow Shop Scheduling Problems in Industry 4.0 Production Environments: Missing Operation Case. , 2022, , 2077-2099.		1
1910	A Reinforcement Learning Driven Artificial Bee Colony Algorithm for Distributed Heterogeneous No-Wait Flowshop Scheduling Problem With Sequence-Dependent Setup Times. <i>IEEE Transactions on Automation Science and Engineering</i> , 2023, 20, 2305-2320.	3.4	5
1911	Dynamic allocation of human resources: case study in the metal 4.0 manufacturing industry. <i>International Journal of Production Research</i> , 2023, 61, 6891-6907.	4.9	2

#	ARTICLE	IF	CITATIONS
1912	Collaborative optimization of workshop layout and scheduling. <i>Journal of Scheduling</i> , 0, , .	1.3	0
1913	Multi-objective Flexible Job-Shop Scheduling with an Ensemble Optimisation Model. , 2022, , .		1
1914	Learning to Schedule Job-Shop Problems via Hierarchical Reinforcement Learning. , 2022, , .		1
1915	Resource Sharing in Cyber-Physical Systemsâ€™ Utility Welfare. <i>Automation, Collaboration, and E-services</i> , 2023, , 69-83.	0.5	0
1916	Memetic Algorithm for Dynamic Joint Flexible Job Shop Scheduling with Machines and Transportation Robots. <i>Journal of Advanced Computational Intelligence and Intelligent Informatics</i> , 2022, 26, 974-982.	0.5	2
1917	A state-of-the-art survey on multi-scenario scheduling. <i>European Journal of Operational Research</i> , 2023, 310, 3-23.	3.5	3
1918	Method for the Production Planning and Scheduling of a Flexible Manufacturing Plant Based on the Bees Algorithm. <i>Springer Series in Advanced Manufacturing</i> , 2023, , 211-227.	0.2	0
1919	An Improved Artificial Bee Colony Algorithm With Q-Learning for Solving Permutation Flow-Shop Scheduling Problems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2023, 53, 2684-2693.	5.9	41
1920	An energy-efficient multi-objective scheduling for flexible job-shop-type remanufacturing system. <i>Journal of Manufacturing Systems</i> , 2023, 66, 211-232.	7.6	12
1921	Robust permutation flow shop total weighted completion time problem: Solution and application to the oil and gas industry. <i>Computers and Operations Research</i> , 2023, 151, 106117.	2.4	2
1922	Hybrid genetic algorithm with variable neighborhood search for flexible job shop scheduling problem in a machining system. <i>Expert Systems With Applications</i> , 2023, 215, 119359.	4.4	27
1923	A Hybrid Algorithm Based on Ant Colony System for Flexible Job Shop. <i>Communications in Computer and Information Science</i> , 2022, , 198-209.	0.4	0
1924	Testing the Performance of Bat-Algorithm for Permutation Flow Shop Scheduling Problems with Makespan Minimization. <i>Brazilian Archives of Biology and Technology</i> , 0, 65, .	0.5	1
1925	Self-Driving Vehicle Data Scheduling in Edge-Clouds. , 2022, , .		0
1926	A distributed physical architecture and data-based scheduling method for smart factory based on intelligent agents. <i>Journal of Manufacturing Systems</i> , 2022, 65, 785-801.	7.6	3
1927	Exact algorithms and approximation schemes for proportionate flow shop scheduling with step-deteriorating processing times. <i>Journal of Scheduling</i> , 0, , .	1.3	2
1928	Data-Mining-Based Real-Time Optimization of the Job Shop Scheduling Problem. <i>Mathematics</i> , 2022, 10, 4608.	1.1	3
1929	Tourism Service Scheduling in Smart City Based on Hybrid Genetic Algorithm Simulated Annealing Algorithm. <i>Sustainability</i> , 2022, 14, 16293.	1.6	10

#	ARTICLE	IF	CITATIONS
1931	Hierarchical Reinforcement Learning for Multi-Objective Real-Time Flexible Scheduling in a Smart Shop Floor. <i>Machines</i> , 2022, 10, 1195.	1.2	11
1932	Workflow task scheduling for homogeneous environments on multiprocessing based on IoT variant of beta artificial bee colony. <i>Transactions on Emerging Telecommunications Technologies</i> , 0, , .	2.6	1
1933	Acceleration-based artificial bee colony optimizer for a distributed permutation flowshop scheduling problem with sequence-dependent setup times. <i>Applied Soft Computing Journal</i> , 2023, 135, 110029.	4.1	2
1934	Work Stealing Strategies For Multi-Core Parallel Branch-and-Bound Algorithm Using Factorial Number System. , 2014, , .		2
1935	Multi-objective collaborative job shop scheduling in a dynamic environment: Non-dominated sorting memetic algorithm. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 0, , .	3.3	1
1936	Modeling the Energy Flexible Job Shop with a Disaggregated Load Approach for Changeable Manufacturing. <i>Procedia Computer Science</i> , 2023, 217, 1225-1233.	1.2	1
1937	Novel Task Scheduling Approaches in Energy Sharing Solar-Powered IoT Networks. <i>IEEE Internet of Things Journal</i> , 2023, 10, 10970-10982.	5.5	2
1939	Logic-based Benders decomposition for the preemptive flexible job-shop scheduling problem. <i>Computers and Operations Research</i> , 2023, 152, 106156.	2.4	3
1940	Maximizing the service level on the makespan in the stochastic flexible job-shop scheduling problem. <i>Computers and Operations Research</i> , 2023, 157, 106237.	2.4	3
1941	Flowshop with additional resources during setups: Mathematical models and a GRASP algorithm. <i>Computers and Operations Research</i> , 2023, 154, 106192.	2.4	1
1942	A MIP model and a hybrid genetic algorithm for flexible job-shop scheduling problem with job-splitting. <i>Computers and Operations Research</i> , 2023, 155, 106222.	2.4	8
1943	Imitation Learning for Real-Time Job Shop Scheduling Using Graph-Based Representation. , 2022, , .		1
1944	Scheduling optimization for production of prefabricated components with parallel work of serial machines. <i>Automation in Construction</i> , 2023, 148, 104770.	4.8	4
1945	Production scheduling in a reconfigurable manufacturing system benefiting from human-robot collaboration. <i>International Journal of Production Research</i> , 2024, 62, 767-783.	4.9	6
1946	Minimizing total completion time in large-sized pharmaceutical quality control scheduling. <i>Journal of Heuristics</i> , 2023, 29, 177-206.	1.1	2
1947	Energy-efficient job shop scheduling problem with transport resources considering speed adjustable resources. <i>International Journal of Production Research</i> , 2024, 62, 867-890.	4.9	4
1948	Optimizing Decision Making on Business Processes Using a Combination of Process Mining, Job Shop, and Multivariate Resource Clustering. <i>Applied Computational Intelligence and Soft Computing</i> , 2023, 1-14.	1.6	0
1949	Developing a multi-objective flexible job shop scheduling optimization model using Lexicographic procedure considering transportation time. , 2023, 14, 57-70.		2

#	ARTICLE	IF	CITATIONS
1950	Multi-Resource Scheduling for Multiple Service Function Chains with Deep Reinforcement Learning. , 2023, , .		0
1951	Improved slime mould algorithm based on Gompertz dynamic probability and Cauchy mutation with application in FJSP. Journal of Intelligent and Fuzzy Systems, 2023, 44, 10397-10415.	0.8	1
1952	Frequency Fitness Assignment onÂJSSP: A Critical Review. Lecture Notes in Computer Science, 2023, , 351-363.	1.0	0
1956	An Evolutionary Multi-task Genetic Algorithm with Assisted-Task for Flexible Job Shop Scheduling. Communications in Computer and Information Science, 2023, , 367-378.	0.4	0
1957	Solving a Real-World Non-convex Quadratic Assignment Problem. , 2023, , 35-48.		0
1958	Hybrid Coral Reef Optimization Algorithm Employed Local Search Technique for Job Shop Scheduling Problems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2023, , 213-231.	0.2	0
1981	Solving Job-Shop Scheduling Problem viaÂDeep Reinforcement Learning withÂAttention Model. Lecture Notes in Computer Science, 2023, , 201-212.	1.0	0
1985	A Branch-and-Bound for the Blocking Permutation Flow Shop with Total Tardiness Criterion. , 2023, , 98-105.		0
1987	Digital Twin Enabled Dual-System Reinforcement Learning Method. , 2022, , .		1
1990	Optimisation of Multi-objective Rolling Stock Maintenance Scheduling with Harrisâ€™ Hawk Optimiser. , 2023, , .		0
1993	A Constructive Heuristic â€œMDSAâ€•Solving the Flexible Job Shop Scheduling Problem. Lecture Notes in Networks and Systems, 2023, , 296-306.	0.5	0
1995	Computer Training System for Planning Multi-Assortment Discrete-Continuous Productions. Studies in Systems, Decision and Control, 2023, , 65-74.	0.8	0
1997	LOPO: An Out-of-order Layer Pulling Orchestration Strategy for Fast Microservice Startup. , 2023, , .		0
2001	Simulation ofÂSwarm Intelligence forÂFlexible Job-Shop Scheduling withÂSwarmFabSim: Case Studies withÂArtificial Hormones andÂanÂAnt Algorithm. Lecture Notes in Networks and Systems, 2023, , 133-155.	0.5	0
2003	Benchmarking for Discrete Cuckoo Search: Three Case Studies. Springer Tracts in Nature-inspired Computing, 2023, , 65-83.	1.2	0
2005	On theÂNP-Hardness ofÂTwo Scheduling Problems Under Linear Constraints. Lecture Notes in Computer Science, 2023, , 58-70.	1.0	0
2008	Deep Q Network Method for Dynamic Job Shop Scheduling Problem. Lecture Notes in Networks and Systems, 2023, , 137-155.	0.5	0
2010	Synchronous Time-Sensitive Networking Scheduling Algorithm Based on Dynamic Time Margin. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
2011	A Fitness Approximation Assisted Hyper-heuristic for the Permutation Flowshop Problem. Communications in Computer and Information Science, 2023, , 534-545.	0.4	0
2012	Hybrid ASP-Based Multi-objective Scheduling of Semiconductor Manufacturing Processes. Lecture Notes in Computer Science, 2023, , 243-252.	1.0	0
2014	An Improved Seagull Optimization Algorithm for Flexible Job-shop Scheduling Problem. , 2023, , .		0
2018	Joint scheduling of permutation flow shop production and preventive maintenance using a reinforcement learning algorithm. , 2023, , .		0
2019	Relational Graph Attention-Based Deep Reinforcement Learning: An Application to Flexible Job Shop Scheduling with Sequence-Dependent Setup Times. Lecture Notes in Computer Science, 2023, , 347-362.	1.0	0
2026	Green Scheduling in Flexible Job Shop Environment. Engineering Applications of Computational Methods, 2023, , 107-141.	0.5	0
2028	Joint Routing and GCL Scheduling Algorithm Based on Tabu Search in TSN. , 2023, , .		0
2029	Benchmarks for Job Scheduling in Ultra-Distributed Systems. , 2023, , .		0
2030	Application of Tabu Search for Job Shop Scheduling Based on Manufacturing Order Swapping. , 0, , .		0
2034	A Hybrid Intelligent Method in a Consolidated Distribution Scheduling. , 2022, , .		0
2042	Optimization of the Flow-Shop Scheduling Problem under Time Constraints with PSO Algorithm. , 0, , .		0
2043	Decision Support System for Scheduling the Production of Screw Caps in a Flexible Job-Shop Environment. Springer Proceedings in Mathematics and Statistics, 2023, , 125-137.	0.1	0
2048	A Two-Stage Search-Enhanced Evolutionary Algorithm for an Aerospace Component Production Scheduling Problem. , 2023, , .		0
2049	A Three-Stage Adaptive Hybrid Algorithm for Flexible Job Shop Scheduling Problem. , 2023, , .		0
2050	Smart Industry Strategies for Shop-Floor Production Planning Problems to Support Mass Customization. Communications in Computer and Information Science, 2024, , 123-137.	0.4	0
2051	Semiconductor Fab Scheduling With Self-Supervised And Reinforcement Learning. , 2023, , .		0
2052	Predicting the Solution Time for Optimization Problems Using Machine Learning. Communications in Computer and Information Science, 2024, , 450-465.	0.4	0
2053	A Framework for Solving the Job Shop Scheduling Problem. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
2055	Application of Multi-agent Reinforcement Learning to the Dynamic Scheduling Problem in Manufacturing Systems. Lecture Notes in Computer Science, 2024, , 237-254.	1.0	0
2057	A Real-Time Double Flexible Job Shop Scheduling Problem Under Industry 5.0. , 2023, , .		0
2064	Decision-Making in 1D Cutting of Blanks for Wind Turbine Manufacturing and Processing Planning. Profiles in Operations Research, 2024, , 165-205.	0.3	0
2065	A Hybrid Meta-Heuristic to Solve Flexible Job Shop Scheduling Problem. Unsupervised and Semi-supervised Learning, 2024, , 75-98.	0.4	0