On the NEH heuristic for minimizing the makespan in p

Omega 35, 53-60 DOI: 10.1016/j.omega.2005.03.003

Citation Report

#	Article	IF	CITATIONS
1	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
2	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
3	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
4	An improved NEH-based heuristic for the permutation flowshop problem. Computers and Operations Research, 2008, 35, 3962-3968.	2.4	113
5	A Constructive Genetic Algorithm for permutation flowshop scheduling. Computers and Industrial Engineering, 2008, 55, 195-207.	3.4	47
6	Scheduling a single semi-continuous batching machine. Omega, 2008, 36, 992-1004.	3.6	30
7	Genetic Local Search Algorithm for the Minimum Total Tardiness Permutation Flowshop Problem. , 2008, , .		0
8	Bottleneck adjacent matching 4 (BAM4) heuristic for re-entrant flow shop with dominant machine. , 2008, , .		0
9	Bottleneck adjacent matching 3 (BAM3) heuristic for re-entrant flow shop with dominant machine. , 2008, , .		1
10	Bottleneck-based heuristic for re-entrant flow shop with two potential dominant machines. , 2009, , .		1
11	An iterated greedy heuristic for multistage hybrid flowshop scheduling problems with multiprocessor tasks. Journal of the Operational Research Society, 2009, 60, 810-817.	2.1	55
12	Efficient composite heuristics for total flowtime minimization in permutation flow shopsa [~] †. Omega, 2009, 37, 155-164.	3.6	129
13	Some heuristic algorithms for total tardiness minimization in a flowshop with blocking. Omega, 2009, 37, 272-281.	3.6	81
14	New high performing heuristics for minimizing makespan in permutation flowshops. Omega, 2009, 37, 331-345.	3.6	133
15	A heuristic to minimize total flow time in permutation flow shopâ~†. Omega, 2009, 37, 734-739.	3.6	64
16	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
17	Sequencing single-machine tardiness problems with sequence dependent setup times using an iterated greedy heuristic. Expert Systems With Applications, 2009, 36, 7087-7092.	4.4	72
18	An empirical analysis of the optimality rate of flow shop heuristics. European Journal of Operational Research, 2009, 198, 93-101.	3.5	51

CITATION REPORT

#	Article	IF	CITATIONS
19	Genetic Algorithm for Tardiness Minimization in Flowshop with Blocking. Studies in Computational Intelligence, 2009, , 153-164.	0.7	3
20	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
21	Heuristic algorithms for ordering media objects to reduce presentation lags in autoâ€assembled multimedia presentations from digital libraries. Electronic Library, 2009, 27, 134-148.	0.8	5
22	Solving flow shop scheduling problems by quantum differential evolutionary algorithm. International Journal of Advanced Manufacturing Technology, 2010, 49, 643-662.	1.5	54
23	Genetic algorithms with path relinking for the minimum tardiness permutation flowshop problemâ~†. Omega, 2010, 38, 57-67.	3.6	136
24	New high performing hybrid particle swarm optimization for permutation flow shop scheduling problem with minimization of makespan. , 2010, , .		0
25	A fuzzy greedy heuristic for permutation flow-shop scheduling. Journal of the Operational Research Society, 2010, 61, 813-818.	2.1	20
26	Harmony search algorithms for Bi-criteria No-idle permutation Flow Shop Scheduling Problem. , 2011, , \cdot		3
27	A hybrid genetic algorithm for the distributed permutation flowshop scheduling problem. International Journal of Computational Intelligence Systems, 2011, 4, 497-508.	1.6	79
29	A hybrid genetic algorithm for a complex cost function for flowshop scheduling problem. International Journal of Electronic Transport, 2011, 1, 64.	0.0	0
30	Scheduling a single machine with multiple job processing ability to minimize makespan. Journal of the Operational Research Society, 2011, 62, 1555-1565.	2.1	4
31	Makespan and workstation utilization minimization in a flowshop with operations flexibility. Omega, 2011, 39, 273-282.	3.6	16
32	An improved genetic algorithm for robust permutation flowshop scheduling. International Journal of Advanced Manufacturing Technology, 2011, 56, 345-354.	1.5	26
34	On the automatic discovery of variants of the NEH procedure for flow shop scheduling using genetic programming. Journal of the Operational Research Society, 2011, 62, 381-396.	2.1	35
35	A composite heuristic for the no-wait flow shop scheduling. , 2012, , .		0
36	An Improved Ant Colony Optimization Algorithm for Permutation Flowshop Scheduling to Minimize Makespan. , 2012, , .		1
37	Two Techniques to Improve the NEH Algorithm for Flow-Shop Scheduling Problems. Lecture Notes in Computer Science, 2012, , 41-48.	1.0	4
38	A flowshop scheduling problem with machine deterioration and maintenance activities. , 2012, , .		3

#	Article	IF	CITATIONS
39	Effective heuristics for the no-wait flow shop scheduling problem with total flow time minimization. International Journal of Advanced Manufacturing Technology, 2013, 66, 1563-1572.	1.5	38
40	Makespan minimization flowshop with position dependent job processing times—computational complexity and solution algorithms. Computers and Operations Research, 2013, 40, 2071-2082.	2.4	20
41	Synthesis of feedback controller for three selected chaotic systems by means of evolutionary techniques: Analytic programming. Mathematical and Computer Modelling, 2013, 57, 57-67.	2.0	31
42	An enhanced migrating birds optimization algorithm for no-wait flow shop scheduling problem. , 2013, , .		15
43	An efficient tabu search algorithm for the distributed permutation flowshop scheduling problem. International Journal of Production Research, 2013, 51, 641-651.	4.9	178
44	A high-performing constructive heuristic for minimizing makespan in permutation flowshops. Journal of Industrial and Production Engineering, 2013, 30, 355-362.	2.1	14
45	GPU accelerated NEH algorithm. , 2014, , .		4
46	A Heuristic for Permutation Flowshop Scheduling to Minimize Makespan. Advances in Intelligent Systems and Computing, 2014, , 423-432.	0.5	2
47	Multi-objective permutation flow shop scheduling problem: Literature review, classification and current trends. Omega, 2014, 45, 119-135.	3.6	216
48	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
49	On insertion tie-breaking rules in heuristics for the permutation flowshop scheduling problem. Computers and Operations Research, 2014, 45, 60-67.	2.4	119
50	An effective iterated greedy algorithm for the mixed no-idle permutation flowshop scheduling problem. Omega, 2014, 44, 41-50.	3.6	145
51	Performance evaluation of a hybridized simulated annealing algorithm for flow shop scheduling under a dynamic environment. Kybernetes, 2014, 43, 1024-1039.	1.2	5
52	Numerical assessment on makespan minimization by adopting NEH heuristics in permutation flow shop. , 2015, , .		0
53	Accelerated methods for total tardiness minimisation in no-wait flowshops. International Journal of Production Research, 2015, 53, 1002-1018.	4.9	28
54	Job-shop production scheduling with reverse flows. European Journal of Operational Research, 2015, 244, 117-128.	3.5	14
55	NEH-based heuristics for the permutation flowshop scheduling problem to minimise total tardiness. Computers and Operations Research, 2015, 60, 27-36.	2.4	70
56	Optimized Temperature Reduction Schedule for Simulated Annealing Algorithm. Materials Today: Proceedings, 2015, 2, 2576-2580.	0.9	3

CITATION REPORT

#	Article	IF	CITATIONS
57	Handling ties in heuristics for the permutation flow shop scheduling problem. Journal of Manufacturing Systems, 2015, 35, 1-9.	7.6	32
58	Revisiting the NEH algorithm- the power of job insertion technique for optimizing the makespan in permutation flow shop scheduling. International Journal of Industrial Engineering Computations, 2016, , 353-366.	0.4	6
60	An effective heuristic for no-wait flow shop production to minimize makespan. Journal of Manufacturing Systems, 2016, 40, 2-7.	7.6	20
61	A modified harmony search for flow shop scheduling problem. , 2016, , .		0
62	Computational complexity and solution algorithms for a vector sequencing problem. Computers and Industrial Engineering, 2016, 98, 384-400.	3.4	3
63	A computational evaluation of constructive and improvement heuristics for the blocking flow shop to minimise total flowtime. Expert Systems With Applications, 2016, 61, 290-301.	4.4	34
64	Optimization of makespan for no-wait flowshop scheduling problems using efficient matheuristics. Omega, 2016, 64, 115-125.	3.6	69
65	Evaluation of high performance constructive heuristics for the flow shop with makespan minimization. International Journal of Advanced Manufacturing Technology, 2016, 87, 125-136.	1.5	29
66	Two simple and effective heuristics for minimizing the makespan in non-permutation flow shops. Computers and Operations Research, 2016, 66, 160-169.	2.4	30
67	A generalized constructive algorithm using insertion-based heuristics. Computers and Operations Research, 2016, 66, 29-43.	2.4	3
68	Carbon-efficient scheduling of flow shops by multi-objective optimization. European Journal of Operational Research, 2016, 248, 758-771.	3.5	233
69	A hybrid approach for minimizing makespan in permutation flowshop scheduling. Journal of Systems Science and Systems Engineering, 2017, 26, 50-76.	0.8	17
70	An effective and efficient heuristic for no-wait flow shop production to minimize total completion time. Computers and Industrial Engineering, 2017, 108, 57-69.	3.4	19
71	A new improved NEH heuristic for permutation flowshop scheduling problems. International Journal of Production Economics, 2017, 193, 21-30.	5.1	58
72	A new vision of approximate methods for the permutation flowshop to minimise makespan: State-of-the-art and computational evaluation. European Journal of Operational Research, 2017, 257, 707-721.	3.5	155
73	Scheduling of safety-critical time-constrained traffic with F-shaped messages. , 2017, , .		3
74	A New Hybrid Heuristic for Minimizing Total Flow Time in Permutation Flow Shop. , 2017, , .		0
75	A case study of a hybrid flow shop with no-wait and limited idle time to minimize material waste. , 2017,		5

	CITATION	n Report	
#	Article	IF	CITATIONS
76	Enhanced migrating birds optimization algorithm for the permutation flow shop problem with sequence dependent setup times. European Journal of Operational Research, 2018, 264, 66-73.	3.5	69
77	An approximate/exact objective based search technique for solving general scheduling problems. Applied Soft Computing Journal, 2018, 62, 347-358.	4.1	4
78	An efficient constructive heuristic to balance trade-offs between makespan and flowtime in permutation flow shop scheduling. Procedia Manufacturing, 2018, 26, 40-48.	1.9	2
79	Analysis of a Few Simple Heuristics for the Permutation Flow Shop Scheduling Problems for any Batch Processing Industry. Materials Today: Proceedings, 2018, 5, 11762-11770.	0.9	1
80	New efficient constructive heuristics for the hybrid flowshop to minimise makespan: A computational evaluation of heuristics. Expert Systems With Applications, 2018, 114, 345-356.	4.4	37
81	An adaptive neuro-fuzzy inference system for makespan estimation of flexible manufacturing system assembly shop: a case study. International Journal of Systems Assurance Engineering and Management, 2018, 9, 1302-1314.	1.5	10
82	Improved solution for minimizing makespan in permutation flow shop. Journal of Industrial and Production Engineering, 2019, 36, 168-180.	2.1	0
83	A best-of-breed iterated greedy for the permutation flowshop scheduling problem with makespan objective. Computers and Operations Research, 2019, 112, 104767.	2.4	28
84	Makespan minimization for the m-machine ordered flow shop scheduling problem. Computers and Operations Research, 2019, 111, 400-414.	2.4	18
85	Mathematical modeling and a discrete artificial bee colony algorithm for the welding shop scheduling problem. Memetic Computing, 2019, 11, 371-389.	2.7	25
86	Heuristics for the mixed no-idle flowshop with sequence-dependent setup times and total flowtime criterion. Expert Systems With Applications, 2019, 125, 40-54.	4.4	25
87	Flow Shop Scheduling Model for 5machine without Job Block Criteria Using NEH Technique. Journal of Physics: Conference Series, 2019, 1377, 012020.	0.3	0
88	Trade-off balancing in scheduling for flow shop production and perioperative processes. European Journal of Operational Research, 2019, 273, 817-830.	3.5	12
89	High-performing heuristics to minimize flowtime in no-idle permutation flowshop. Engineering Optimization, 2019, 51, 185-198.	1.5	25
90	Bottleneck-Based Heuristic for Permutation Flowshop Scheduling. IOP Conference Series: Materials Science and Engineering, 2020, 824, 012020.	0.3	0
91	Hybrid Flow Shop Scheduling Problems Using Improved Fireworks Algorithm for Permutation. Applied Sciences (Switzerland), 2020, 10, 1174.	1.3	21
92	Multiprocessor Scheduling Based on Evolutionary Technique for Solving Permutation Flow Shop Problem. IEEE Access, 2020, 8, 53151-53161.	2.6	6
93	Permutation flowshop scheduling with periodic maintenance and makespan objective. Computers and Industrial Engineering, 2020, 143, 106369.	3.4	19

		CITATION REPORT		
#	Article		IF	CITATIONS
94	Flowshop NEH-Based Heuristic Recommendation. Lecture Notes in Computer Science,	2021,,136-151.	1.0	0
95	An Improved Evolution Strategy Hybridization With Simulated Annealing for Permutat Scheduling Problems. IEEE Access, 2021, 9, 94505-94522.	ion Flow Shop	2.6	19
96	A New Improvement of the NEH Heuristic to Either Minimise Total Tardiness or Makesp Flow Shop with Assembly Operations. , 2021, , .	oan for a Hybrid		0
97	A Chance Constrained Programming Approach for No-Wait Flow Shop Scheduling Prol Interval-Valued Fuzzy Processing Time. Processes, 2021, 9, 789.	blem under the	1.3	3
98	The reversibility property in a job-insertion tiebreaker for the permutational flow shop s problem. European Journal of Operational Research, 2022, 297, 407-421.	scheduling	3.5	2
99	The tiebreaking space of constructive heuristics for the permutation flowshop minimiz 2021, , .	ing makespan. ,		0
100	N-NEH+ algorithm for solving permutation flow shop problems. Computers and Opera 2021, 132, 105296.	tions Research,	2.4	8
101	New idle time-based tie-breaking rules in heuristics for the permutation flowshop sche problems. Computers and Operations Research, 2021, 133, 105348.	duling	2.4	3
102	Reduction in total completion time in a sequential manufacturing environment. Mater Proceedings, 2021, 46, 7220-7223.	als Today:	0.9	0
103	Scheduling Heuristics. , 2015, , 1-24.			2
104	A Multi-Objective Ant-Colony Algorithm for Permutation Flowshop Scheduling to Minir Makespan and Total Flowtime of Jobs. Studies in Computational Intelligence, 2009, , 5	nize the 3-99.	0.7	9
105	Models for Improving Software System Size Estimates during Development. Journal of Engineering and Applications, 2010, 03, 1-10.	Software	0.8	1
106	Structural Property and Meta-heuristic for the Flow Shop Scheduling Problem. Studies Computational Intelligence, 2009, , 1-20.	in	0.7	2
107	Makespan Algorithms and Heuristic for Internet-Based Collaborative Manufacturing Pr Bottleneck Approach. Journal of Software Engineering and Applications, 2010, 03, 91-	ocess Using 97.	0.8	0
108	Bicriteria Scheduling Problem on the Two-Machine Flowshop Using Simulated Annealir Notes in Computer Science, 2010, , 166-177.	ıg. Lecture	1.0	1
109	Control Law and Pseudo Neural Networks Synthesized by Evolutionary Symbolic Regre Technique. Simulation Foundations, Methods and Applications, 2016, , 91-113.	ssion	0.8	1
110	Dağıtık Permütasyon Akış Tipi Çizelgeleme Problemlerinin Yapay Arı Kol El-Cezeri Journal of Science and Engineering, 0, , .	oni Algoritması İle ÇÅ	√¶zümÃ 0.1	^{1/4} · 1
111	Development of NEH for Permutation Flowshop Scheduling Problem. , 2020, , .			0

ARTICLE IF CITATIONS # Deep Reinforcement Learning Based Optimization Algorithm for Permutation Flow-Shop Scheduling. 112 3.4 23 IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, 7, 983-994. An improved grey wolf optimizer for welding shop inverse scheduling. Computers and Industrial 3.4 Engineering, 2022, 163, 107809. An Effective Optimization Approach to Minimize Waste in a Complex Industrial System. IEEE Access, 114 2.6 0 2022, 10, 13997-14012. Order Releasing and Scheduling for a Multi-Item MTO Industry: An Efficient Heuristic Based on Drum Buffer Rope. Applied Sciences (Switzerland), 2022, 12, 1925. Energy-efficient scheduling for an energy-intensive industry under punitive electricity price. Journal 117 4.6 7 of Cleaner Production, 2022, 373, 133851. Swap Method to improve N-NEH+ algorithm., 2022, , . The Permutation Flow Shop Scheduling Problem with Human Resources: MILP Models, Decoding 119 2 1.1 Procedures, NEH-Based Heuristics, and an Iterated Greedy Algorithm. Mathematics, 2022, 10, 3446. Carbon-Efficient Scheduling inÂDistributed Permutation Flow Shops - An Analysis ofÂCause-Effect Relationships. Lecture Notes in Logistics, 2023, , 180-208. Analysis of Constructive Heuristics with Cuckoo Search Algorithm, Firefly Algorithm and Simulated 121 0.3 0 Annéaling in Scheduling Problems. Lecture Notes in Mechanical Engineering, 2024, , 1130-1138.

CITATION REPORT