

Jiyin Liu

List of Publications by Year in Descending Order

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

77
papers

3,554
citations

28
h-index

59
g-index

82
ext. papers

4,194
ext. citations

5.2
avg, IF

5.41
L-index

#	Paper	IF	Citations
77	Assignment of duplicate storage locations in distribution centres to minimise walking distance in order picking. <i>International Journal of Production Research</i> , 2021 , 59, 4457-4471	7.8	3
76	Continuous-time formulation and differential evolution algorithm for an integrated batching and scheduling problem in aluminium industry. <i>International Journal of Production Research</i> , 2021 , 59, 3169-3184	7.8	1
75	. <i>IEEE Transactions on Automation Science and Engineering</i> , 2021 , 18, 1478-1491	4.9	3
74	A Stacked Autoencoder With Sparse Bayesian Regression for End-Point Prediction Problems in Steelmaking Process. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020 , 17, 550-561	4.9	6
73	Model and Heuristic Solutions for the Multiple Double-Load Crane Scheduling Problem in Slab Yards. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020 , 17, 1307-1319	4.9	6
72	Scheduling the operations of a double-load crane in slab yards. <i>International Journal of Production Research</i> , 2020 , 58, 2647-2657	7.8	3
71	Logistics optimisation of slab pre-marshalling problem in steel industry. <i>International Journal of Production Research</i> , 2020 , 58, 4050-4070	7.8	3
70	Global Method for a Class of Operation Optimization Problem in Steel Rolling Systems. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 5552-5566	3.9	1
69	Resource location for relief distribution and victim evacuation after a sudden-onset disaster. <i>IIEE Transactions</i> , 2019 , 51, 830-846	3.3	6
68	A Dynamic Analytics Method Based on Multistage Modeling for a BOF Steelmaking Process. <i>IEEE Transactions on Automation Science and Engineering</i> , 2019 , 16, 1097-1109	4.9	18
67	Incorporating Risk in Field Services Operational Planning Process. <i>Lecture Notes in Computer Science</i> , 2018 , 293-307	0.9	
66	An MILP model and a hybrid evolutionary algorithm for integrated operation optimisation of multi-head surface mounting machines in PCB assembly. <i>International Journal of Production Research</i> , 2017 , 55, 145-160	7.8	14
65	Service scheduling to minimise the risk of missing appointments 2017 ,		1
64	Decision Support System for Green Real-Life Field Scheduling Problems. <i>Lecture Notes in Computer Science</i> , 2017 , 355-369	0.9	1
63	Integrated storage space allocation and ship scheduling problem in bulk cargo terminals. <i>IIE Transactions</i> , 2016 , 48, 428-439		15
62	Coil Batching to Improve Productivity and Energy Utilization in Steel Production. <i>Manufacturing and Service Operations Management</i> , 2016 , 18, 262-279	4.6	19
61	Robust assignment of airport gates with operational safety constraints. <i>International Journal of Automation and Computing</i> , 2016 , 13, 31-41	3.5	14

60	. <i>IEEE Transactions on Evolutionary Computation</i> , 2015 , 19, 560-574	15.6	183
59	Integrated scheduling of loading and transportation with tractors and semitrailers separated. <i>Naval Research Logistics</i> , 2015 , 62, 416-433	1.5	8
58	Modeling and solution for the ship stowage planning problem of coils in the steel industry. <i>Naval Research Logistics</i> , 2015 , 62, 564-581	1.5	10
57	Research into container reshuffling and stacking problems in container terminal yards. <i>IIE Transactions</i> , 2015 , 47, 751-766		36
56	Modeling and solution of the joint quay crane and truck scheduling problem. <i>European Journal of Operational Research</i> , 2014 , 236, 978-990	5.6	70
55	Optimizing airport gate assignment with operational safety constraints 2014 ,		1
54	An integrated model for ship routing with transshipment and berth allocation. <i>IIE Transactions</i> , 2014 , 46, 1357-1370		11
53	Operations Research Transforms Baosteel's Operations. <i>Interfaces</i> , 2014 , 44, 22-38	0.7	3
52	Crane scheduling in a warehouse storing steel coils. <i>IIE Transactions</i> , 2014 , 46, 267-282		15
51	Bicriteria scheduling on a single batching machine with job transportation and deterioration considerations. <i>Naval Research Logistics</i> , 2014 , 61, 269-285	1.5	20
50	An MILP model and clustering heuristics for LED assembly optimisation on high-speed hybrid pick-and-place machines. <i>International Journal of Production Research</i> , 2014 , 52, 1016-1031	7.8	8
49	A new model and an efficient branch-and-bound solution for cyclic multi-hoist scheduling. <i>IIE Transactions</i> , 2014 , 46, 249-262		11
48	An Improved Differential Evolution Algorithm for Practical Dynamic Scheduling in Steelmaking-Continuous Casting Production. <i>IEEE Transactions on Evolutionary Computation</i> , 2014 , 18, 209-225	15.6	221
47	Modelling and a tabu search solution for the slab reallocation problem in the steel industry. <i>International Journal of Production Research</i> , 2013 , 51, 4405-4420	7.8	7
46	The equipment maintenance scheduling problem in a coal production system. <i>International Journal of Production Research</i> , 2013 , 51, 5309-5336	7.8	8
45	A stochastic production planning problem with nonlinear cost. <i>Computers and Operations Research</i> , 2012 , 39, 1977-1987	4.6	18
44	Modeling and Solution for the Coil Sequencing Problem in Steel Color-Coating Production. <i>IEEE Transactions on Control Systems Technology</i> , 2012 , 20, 1409-1420	4.8	5
43	Models and algorithms for shuffling problems in steel plants. <i>Naval Research Logistics</i> , 2012 , 59, 502-524	1.5	32

42	A combination of Lagrangian relaxation and column generation for order batching in steelmaking and continuous-casting production. <i>Naval Research Logistics</i> , 2011 , 58, 370-388	1.5	28
41	An improved Lagrangean relaxation algorithm for the dynamic batching decision problem. <i>International Journal of Production Research</i> , 2011 , 49, 2501-2517	7.8	5
40	Rolling Horizon Approach for Dynamic Parallel Machine Scheduling Problem with Release Times. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 381-389	3.9	7
39	An efficient optimal solution to the coil sequencing problem in electro-galvanizing line. <i>Computers and Operations Research</i> , 2010 , 37, 1780-1796	4.6	2
38	The production scheduling problem in a multi-page invoice printing system. <i>Computers and Operations Research</i> , 2010 , 37, 1814-1821	4.6	14
37	The assignment of storage locations to containers for a container stack. <i>Naval Research Logistics</i> , 2009 , 56, 699-713	1.5	81
36	Dynamically scheduling ships to multiple continuous berth spaces in an iron and steel complex. <i>International Transactions in Operational Research</i> , 2009 , 16, 87-107	2.9	7
35	Scheduling of a single crane in batch annealing process. <i>Computers and Operations Research</i> , 2009 , 36, 2853-2865	4.6	13
34	A heuristic algorithm for the two-hoist cyclic scheduling problem with overlapping hoist coverage ranges. <i>IIE Transactions</i> , 2008 , 40, 782-794		19
33	Color-Coating Production Scheduling for Coils in Inventory in Steel Industry. <i>IEEE Transactions on Automation Science and Engineering</i> , 2008 , 5, 544-549	4.9	8
32	A time-varying lot size method for the economic lot scheduling problem with shelf life considerations. <i>European Journal of Industrial Engineering</i> , 2008 , 2, 337	1.1	15
31	Single-job lot streaming in m two-stage hybrid flowshops. <i>European Journal of Operational Research</i> , 2008 , 187, 1171-1183	5.6	24
30	Multihoist Cyclic Scheduling With Fixed Processing and Transfer Times. <i>IEEE Transactions on Automation Science and Engineering</i> , 2007 , 4, 435-450	4.9	15
29	A branch-and-price algorithm to solve the molten iron allocation problem in iron and steel industry. <i>Computers and Operations Research</i> , 2007 , 34, 3001-3015	4.6	18
28	Hybrid backward and forward dynamic programming based Lagrangian relaxation for single machine scheduling. <i>Computers and Operations Research</i> , 2007 , 34, 2625-2636	4.6	15
27	Quay crane scheduling at container terminals to minimize the maximum relative tardiness of vessel departures. <i>Naval Research Logistics</i> , 2006 , 53, 60-74	1.5	109
26	A new Lagrangian relaxation algorithm for hybrid flowshop scheduling to minimize total weighted completion time. <i>Computers and Operations Research</i> , 2006 , 33, 3344-3359	4.6	63
25	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	9.3	47

24	A decision support system for operations in a container terminal. <i>Decision Support Systems</i> , 2005 , 39, 309-332	5.6	211
23	A neural network model and algorithm for the hybrid flow shop scheduling problem in a dynamic environment. <i>Journal of Intelligent Manufacturing</i> , 2005 , 16, 361-370	6.7	66
22	An Efficient Optimal Solution to the Two-Hoist No-Wait Cyclic Scheduling Problem. <i>Operations Research</i> , 2005 , 53, 313-327	2.3	34
21	Hongkong International Terminals Gains Elastic Capacity Using a Data-Intensive Decision-Support System. <i>Interfaces</i> , 2005 , 35, 61-75	0.7	70
20	Storage space allocation in container terminals. <i>Transportation Research Part B: Methodological</i> , 2003 , 37, 883-903	7.2	236
19	Mixed truck delivery systems with both hub-and-spoke and direct shipment. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2003 , 39, 325-339	9	57
18	A modified genetic algorithm for the flow shop sequencing problem to minimize mean flow time. <i>Journal of Intelligent Manufacturing</i> , 2002 , 13, 61-67	6.7	18
17	Cyclic scheduling of a single hoist in extended electroplating lines: a comprehensive integer programming solution. <i>IIE Transactions</i> , 2002 , 34, 905-914		19
16	Cyclic scheduling of a single hoist in extended electroplating lines: a comprehensive integer programming solution. <i>IIE Transactions</i> , 2002 , 34, 905-914		52
15	Modelling and a genetic algorithm solution for the slab stack shuffling problem when implementing steel rolling schedules. <i>International Journal of Production Research</i> , 2002 , 40, 1583-1595	7.8	55
14	Steel-making process scheduling using Lagrangian relaxation. <i>International Journal of Production Research</i> , 2002 , 40, 55-70	7.8	144
13	Dynamic crane deployment in container storage yards. <i>Transportation Research Part B: Methodological</i> , 2002 , 36, 537-555	7.2	159
12	Constructive and composite heuristic solutions to the P//C _i scheduling problem. <i>European Journal of Operational Research</i> , 2001 , 132, 439-452	5.6	162
11	A review of planning and scheduling systems and methods for integrated steel production. <i>European Journal of Operational Research</i> , 2001 , 133, 1-20	5.6	237
10	A multiple traveling salesman problem model for hot rolling scheduling in Shanghai Baoshan Iron & Steel Complex. <i>European Journal of Operational Research</i> , 2000 , 124, 267-282	5.6	210
9	A mathematical programming model for scheduling steelmaking-continuous casting production. <i>European Journal of Operational Research</i> , 2000 , 120, 423-435	5.6	152
8	A modified genetic algorithm for single machine scheduling. <i>Computers and Industrial Engineering</i> , 1999 , 37, 43-46	6.4	30
7	The impact of neighbourhood size on the process of simulated annealing: Computational experiments on the flowshop scheduling problem. <i>Computers and Industrial Engineering</i> , 1999 , 37, 285-288	6.4	9

6	A comparison of tabu search and local search methods for single machine scheduling with ready time. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1999 , 32, 6127-6132		1
5	Warehouse location problems for air freight forwarders: a challenge created by the airport relocation. <i>Journal of Air Transport Management</i> , 1998 , 4, 201-207	5.1	16
4	A global MILP model for FMS scheduling. <i>European Journal of Operational Research</i> , 1997 , 100, 441-453	5.6	37
3	Addressing the gap in scheduling research: a review of optimization and heuristic methods in production scheduling. <i>International Journal of Production Research</i> , 1993 , 31, 59-79	7.8	213
2	A new classification scheme for flexible manufacturing systems. <i>International Journal of Production Research</i> , 1993 , 31, 299-309	7.8	72
1	Effective heuristics for the single machine sequencing problem with ready times. <i>International Journal of Production Research</i> , 1991 , 29, 1521-1533	7.8	21