

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11019692/publications.pdf>

Version: 2024-02-01

124
papers

4,637
citations

126708

33
h-index

110170

64
g-index

125
all docs

125
docs citations

125
times ranked

2652
citing authors

#	ARTICLE	IF	CITATIONS
1	An Improved Differential Evolution Algorithm for Practical Dynamic Scheduling in Steelmaking-Continuous Casting Production. IEEE Transactions on Evolutionary Computation, 2014, 18, 209-225.	7.5	329
2	A review of planning and scheduling systems and methods for integrated steel production. European Journal of Operational Research, 2001, 133, 1-20.	3.5	303
3	A multiple traveling salesman problem model for hot rolling scheduling in Shanghai Baoshan Iron & Steel Complex. European Journal of Operational Research, 2000, 124, 267-282.	3.5	275
4	Differential Evolution With an Individual-Dependent Mechanism. IEEE Transactions on Evolutionary Computation, 2015, 19, 560-574.	7.5	252
5	A Hybrid Multiobjective Evolutionary Algorithm for Multiobjective Optimization Problems. IEEE Transactions on Evolutionary Computation, 2013, 17, 20-45.	7.5	205
6	A mathematical programming model for scheduling steelmaking-continuous casting production. European Journal of Operational Research, 2000, 120, 423-435.	3.5	195
7	Steel-making process scheduling using Lagrangian relaxation. International Journal of Production Research, 2002, 40, 55-70.	4.9	187
8	Scheduling a hybrid flowshop with batch production at the last stage. Computers and Operations Research, 2007, 34, 2718-2733.	2.4	106
9	Modeling and solution of the joint quay crane and truck scheduling problem. European Journal of Operational Research, 2014, 236, 978-990.	3.5	100
10	A two-stage flow shop scheduling problem on a batching machine and a discrete machine with blocking and shared setup times. Computers and Operations Research, 2010, 37, 960-969.	2.4	92
11	A new Lagrangian relaxation algorithm for hybrid flowshop scheduling to minimize total weighted completion time. Computers and Operations Research, 2006, 33, 3344-3359.	2.4	83
12	Integrated Charge Batching and Casting Width Selection at Baosteel. Operations Research, 2014, 62, 772-787.	1.2	81
13	Decision support system for the batching problems of steelmaking and continuous-casting production. Omega, 2008, 36, 976-991.	3.6	77
14	An adaptive multi-population differential evolution algorithm for continuous multi-objective optimization. Information Sciences, 2016, 348, 124-141.	4.0	73
15	A discrete particle swarm optimization algorithm with self-adaptive diversity control for the permutation flowshop problem with blocking. Applied Soft Computing Journal, 2012, 12, 652-662.	4.1	71
16	Modelling and a genetic algorithm solution for the slab stack shuffling problem when implementing steel rolling schedules. International Journal of Production Research, 2002, 40, 1583-1595.	4.9	70
17	Data analytics and optimization for smart industry. Frontiers of Engineering Management, 2021, 8, 157-171.	3.3	69
18	Iterated local search algorithm based on very large-scale neighborhood for prize-collecting vehicle routing problem. International Journal of Advanced Manufacturing Technology, 2006, 29, 1246-1258.	1.5	65

#	ARTICLE	IF	CITATIONS
19	A multi-objective model for purchasing of bulk raw materials of a large-scale integrated steel plant. <i>International Journal of Production Economics</i> , 2003, 83, 325-334.	5.1	64
20	A population-based variable neighborhood search for the single machine total weighted tardiness problem. <i>Computers and Operations Research</i> , 2009, 36, 2105-2110.	2.4	63
21	A machine-learning based memetic algorithm for the multi-objective permutation flowshop scheduling problem. <i>Computers and Operations Research</i> , 2017, 79, 60-77.	2.4	61
22	An improved Benders decomposition algorithm for the logistics facility location problem with capacity expansions. <i>Annals of Operations Research</i> , 2013, 210, 165-190.	2.6	58
23	A mathematical programming model and solution for scheduling production orders in Shanghai Baoshan Iron and Steel Complex. <i>European Journal of Operational Research</i> , 2007, 182, 1453-1468.	3.5	51
24	Two-agent group scheduling with deteriorating jobs on a single machine. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 47, 657-664.	1.5	48
25	Two-Agent Scheduling with Linear Deteriorating Jobs on a Single Machine. <i>Lecture Notes in Computer Science</i> , 2008, , 642-650.	1.0	47
26	Two-machine flowshop scheduling problems involving a batching machine with transportation or deterioration consideration. <i>Applied Mathematical Modelling</i> , 2009, 33, 1187-1199.	2.2	46
27	Research into container reshuffling and stacking problems in container terminal yards. <i>IIE Transactions</i> , 2015, 47, 751-766.	2.1	46
28	Steelmaking and refining coordinated scheduling problem with waiting time and transportation consideration. <i>Computers and Industrial Engineering</i> , 2010, 58, 239-248.	3.4	42
29	Adaptive Multiobjective Differential Evolution With Reference Axis Vicinity Mechanism. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 3571-3585.	6.2	41
30	Multiobjective Operation Optimization of Naphtha Pyrolysis Process Using Parallel Differential Evolution. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 14415-14428.	1.8	39
31	Modelling and a segmented dynamic programming-based heuristic approach for the slab stack shuffling problem. <i>Computers and Operations Research</i> , 2010, 37, 368-375.	2.4	38
32	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.	1.4	37
33	Models and algorithms for shuffling problems in steel plants. <i>Naval Research Logistics</i> , 2012, 59, 502-524.	1.4	37
34	Integrated scheduling of rolling sector in steel production with consideration of energy consumption under time-of-use electricity prices. <i>Computers and Chemical Engineering</i> , 2018, 111, 55-65.	2.0	35
35	Modeling and solution for steelmaking scheduling with batching decisions and energy constraints. <i>Computers and Chemical Engineering</i> , 2018, 116, 368-384.	2.0	34
36	A Benders decomposition-based framework for solving quay crane scheduling problems. <i>European Journal of Operational Research</i> , 2019, 273, 504-515.	3.5	34

#	ARTICLE	IF	CITATIONS
37	Multiobjective Differential Evolution With Personal Archive and Biased Self-Adaptive Mutation Selection. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 5338-5350.	5.9	33
38	Integration of batching and scheduling for hot rolling production in the steel industry. <i>International Journal of Advanced Manufacturing Technology</i> , 2008, 36, 431-441.	1.5	32
39	A hybrid two-stage transportation and batch scheduling problem. <i>Applied Mathematical Modelling</i> , 2008, 32, 2467-2479.	2.2	32
40	The coordination of transportation and batching scheduling. <i>Applied Mathematical Modelling</i> , 2009, 33, 3854-3862.	2.2	32
41	Competitive two-agent scheduling with deteriorating jobs on a single parallel-batching machine. <i>European Journal of Operational Research</i> , 2017, 263, 401-411.	3.5	32
42	Scheduling a single semi-continuous batching machine. <i>Omega</i> , 2008, 36, 992-1004.	3.6	30
43	An Improved Particle Swarm Optimization Algorithm for the Hybrid Flowshop Scheduling to Minimize Total Weighted Completion Time in Process Industry. <i>IEEE Transactions on Control Systems Technology</i> , 2010, , .	3.2	28
44	Integrated Scheduling of Production and Two-Stage Delivery of Make-to-Order Products: Offline and Online Algorithms. <i>INFORMS Journal on Computing</i> , 2019, 31, 493-514.	1.0	28
45	Least squares support vector machine with self-organizing multiple kernel learning and sparsity. <i>Neurocomputing</i> , 2019, 331, 493-504.	3.5	28
46	Bicriteria scheduling on a single batching machine with job transportation and deterioration considerations. <i>Naval Research Logistics</i> , 2014, 61, 269-285.	1.4	27
47	Coil Batching to Improve Productivity and Energy Utilization in Steel Production. <i>Manufacturing and Service Operations Management</i> , 2016, 18, 262-279.	2.3	27
48	Modelling and discrete differential evolution algorithm for order rescheduling problem in steel industry. <i>Computers and Industrial Engineering</i> , 2019, 130, 586-596.	3.4	27
49	Optimal and near-optimal algorithms to rolling batch scheduling for seamless steel tube production. <i>International Journal of Production Economics</i> , 2007, 105, 357-371.	5.1	26
50	Flowshop scheduling problems with transportation or deterioration between the batching and single machines. <i>Computers and Industrial Engineering</i> , 2009, 56, 1289-1295.	3.4	25
51	Simultaneously scheduling multiple turns for steel color-coating production. <i>European Journal of Operational Research</i> , 2009, 198, 715-725.	3.5	25
52	A Two-Phase Heuristic for the Production Scheduling of Heavy Plates in Steel Industry. <i>IEEE Transactions on Control Systems Technology</i> , 2010, 18, 104-117.	3.2	25
53	Two-machine flowshop scheduling with intermediate transportation under job physical space consideration. <i>Computers and Operations Research</i> , 2011, 38, 1267-1274.	2.4	25
54	A stochastic production planning problem with nonlinear cost. <i>Computers and Operations Research</i> , 2012, 39, 1977-1987.	2.4	25

#	ARTICLE	IF	CITATIONS
55	Novel time-space network flow formulation and approximate dynamic programming approach for the crane scheduling in a coil warehouse. <i>European Journal of Operational Research</i> , 2017, 262, 424-437.	3.5	25
56	Minimizing makespan in a two-machine flowshop scheduling with batching and release time. <i>Mathematical and Computer Modelling</i> , 2009, 49, 1071-1077.	2.0	24
57	An improved scatter search algorithm for the single machine total weighted tardiness scheduling problem with sequence-dependent setup times. <i>Applied Soft Computing Journal</i> , 2015, 29, 184-195.	4.1	24
58	Operation Optimization in the Hot-Rolling Production Process. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 11393-11410.	1.8	23
59	Computational strategies for improved MINLP algorithms. <i>Computers and Chemical Engineering</i> , 2015, 75, 40-48.	2.0	23
60	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.	2.4	22
61	Generation Scheduling Under a CO ₂ Emission Reduction Policy in the Deregulated Market. <i>IEEE Transactions on Engineering Management</i> , 2013, 60, 386-397.	2.4	21
62	Crane scheduling in a warehouse storing steel coils. <i>IIE Transactions</i> , 2014, 46, 267-282.	2.1	21
63	Reheat furnace scheduling with energy consideration. <i>International Journal of Production Research</i> , 2015, 53, 1642-1660.	4.9	21
64	An exact algorithm for the unidirectional quay crane scheduling problem with vessel stability. <i>European Journal of Operational Research</i> , 2021, 291, 271-283.	3.5	21
65	A predictive reactive scheduling method for color-coating production in steel industry. <i>International Journal of Advanced Manufacturing Technology</i> , 2008, 35, 633-645.	1.5	20
66	Integrated storage space allocation and ship scheduling problem in bulk cargo terminals. <i>IIE Transactions</i> , 2016, 48, 428-439.	2.1	20
67	Novel Formulation for Optimal Schedule with Demand Side Management in Multiproduct Air Separation Processes. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 3104-3117.	1.8	20
68	Hybrid backward and forward dynamic programming based Lagrangian relaxation for single machine scheduling. <i>Computers and Operations Research</i> , 2007, 34, 2625-2636.	2.4	19
69	Storage space allocation problem at inland bulk material stockyard. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2020, 134, 101856.	3.7	18
70	Scheduling of a single crane in batch annealing process. <i>Computers and Operations Research</i> , 2009, 36, 2853-2865.	2.4	17
71	Scheduling of cracking production process with feedstocks and energy constraints. <i>Computers and Chemical Engineering</i> , 2016, 94, 92-103.	2.0	17
72	Improved quadratic cuts for convex mixed-integer nonlinear programs. <i>Computers and Chemical Engineering</i> , 2018, 109, 77-95.	2.0	17

#	ARTICLE	IF	CITATIONS
73	A Scatter Search Algorithm for a Multistage Production Scheduling Problem With Blocking and Semi-Continuous Batching Machine. IEEE Transactions on Control Systems Technology, 2011, 19, 976-989.	3.2	16
74	A New ILS Algorithm for Cast Planning Problem in Steel Industry. ISIJ International, 2007, 47, 443-452.	0.6	15
75	The Charge Batching Planning Problem in Steelmaking Process Using Lagrangian Relaxation Algorithm. Industrial & Engineering Chemistry Research, 2009, 48, 7780-7787.	1.8	15
76	Parallel Machine Scheduling under the Disruption of Machine Breakdown. Industrial & Engineering Chemistry Research, 2009, 48, 6660-6667.	1.8	14
77	Modeling and solution for the ship stowage planning problem of coils in the steel industry. Naval Research Logistics, 2015, 62, 564-581.	1.4	14
78	Two Hybrid Metaheuristic Algorithms for Hot Rolling Scheduling. ISIJ International, 2009, 49, 529-538.	0.6	13
79	Strip Hardness Prediction in Continuous Annealing Using Multiobjective Sparse Nonlinear Ensemble Learning With Evolutionary Feature Selection. IEEE Transactions on Automation Science and Engineering, 2022, 19, 2397-2411.	3.4	12
80	Color-Coating Production Scheduling for Coils in Inventory in Steel Industry. IEEE Transactions on Automation Science and Engineering, 2008, 5, 544-549.	3.4	11
81	A case of rule-based heuristics for scheduling hot rolling seamless steel tube production. Expert Systems, 2006, 23, 145-158.	2.9	10
82	Corrective Unit Commitment to an Unforeseen Unit Breakdown. IEEE Transactions on Power Systems, 2012, 27, 1729-1740.	4.6	10
83	Modeling and Solution for the Coil Sequencing Problem in Steel Color-Coating Production. IEEE Transactions on Control Systems Technology, 2012, 20, 1409-1420.	3.2	10
84	Two-stage minimax stochastic unit commitment. IET Generation, Transmission and Distribution, 2018, 12, 947-956.	1.4	10
85	Logistics optimisation of slab pre-marshalling problem in steel industry. International Journal of Production Research, 2020, 58, 4050-4070.	4.9	10
86	A Memetic Algorithm Based on Probability Learning for Solving the Multidimensional Knapsack Problem. IEEE Transactions on Cybernetics, 2022, 52, 2284-2299.	6.2	10
87	A new Lagrangian Relaxation Algorithm for scheduling dissimilar parallel machines with release dates. International Journal of Systems Science, 2011, 42, 1133-1141.	3.7	9
88	Scenario-based Modeling Approach and Scatter Search Algorithm for the Stochastic Slab Allocation Problem in Steel Industry. ISIJ International, 2014, 54, 1324-1333.	0.6	9
89	Improvement of Kriging interpolation with learning kernel in environmental variables study. International Journal of Production Research, 0, , 1-14.	4.9	9
90	Operations Research Transforms Baosteel's Operations. Interfaces, 2014, 44, 22-38.	1.6	8

#	ARTICLE	IF	CITATIONS
91	Integrated scheduling of loading and transportation with tractors and semitrailers separated. Naval Research Logistics, 2015, 62, 416-433.	1.4	8
92	A Scatter Search Algorithm for the Slab Stack Shuffling Problem. Lecture Notes in Computer Science, 2010, , 382-389.	1.0	8
93	An efficient optimal solution to the coil sequencing problem in electro-galvanizing line. Computers and Operations Research, 2010, 37, 1780-1796.	2.4	7
94	Parallel machine scheduling with batch deliveries to minimize total flow time and delivery cost. Naval Research Logistics, 2016, 63, 492-502.	1.4	7
95	An Estimation of Distribution Algorithm With Filtering and Learning. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1478-1491.	3.4	7
96	Multiple crane scheduling in a batch annealing process with no-delay constraints for machine unloading. Applied Mathematical Modelling, 2017, 49, 470-486.	2.2	6
97	Color-Coating Scheduling With a Multiobjective Evolutionary Algorithm Based on Decomposition and Dynamic Local Search. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1590-1601.	3.4	6
98	Low Carbon Iron-making Supply Chain Planning in Steel Industry. Industrial & Engineering Chemistry Research, 2014, 53, 18326-18338.	1.8	5
99	Black box operation optimization of basic oxygen furnace steelmaking process with derivative free optimization algorithm. Computers and Chemical Engineering, 2021, 150, 107311.	2.0	5
100	Improving the efficiency of iron and steel purchasing using supply chain coordination. International Journal of Operational Research, 2007, 2, 98.	0.1	4
101	Continuous-time formulation and differential evolution algorithm for an integrated batching and scheduling problem in aluminium industry. International Journal of Production Research, 2021, 59, 3169-3184.	4.9	4
102	Production Scheduling with Power Price Coordination in Steel Industry. , 2010, , .		3
103	An operation optimization method based on improved EDA for BOF end-point control. , 2016, , .		3
104	A Multi-Objective Evolutionary Algorithm for Multi-Energy Allocation Problem Considering Production Changeover in the Integrated Iron and Steel Enterprise. IEEE Access, 2019, 7, 40428-40444.	2.6	3
105	M/PH/C queue under a congestion-based staffing policy with applications in steel industry's operations. International Journal of Production Research, 2021, 59, 1319-1330.	4.9	3
106	Benders approach for the raw material transportation scheduling problem in steel industry. , 2013, , .		2
107	Soft constraint handling for a real-world multiobjective energy distribution problem. International Journal of Production Research, 2020, 58, 6061-6077.	4.9	2
108	A graph partitioning based cooperative coevolution for the batching problem in steelmaking production. International Journal of Production Research, 2022, 60, 5876-5891.	4.9	2

#	ARTICLE	IF	CITATIONS
109	Optimal plate design problem in steel production. International Journal of Production Research, 2023, 61, 1575-1590.	4.9	2
110	Color-Coating Production Scheduling in the Steel Industry. , 0, , .		1
111	A Lagrangian relaxation for flexible order batching problem in iron and steel industry. , 2008, , .		1
112	A Lagrangian Relaxation based heuristic approach for steel grade assignment problem. , 2008, , .		1
113	A simplified scatter search for a special single machine scheduling problem to minimize total weighted tardiness. , 2009, , .		1
114	An Effective Tabu Search Based Algorithm for Integrated Pickling-Rolling Scheduling and Coil Shuffling in Iron and Steel Industry. , 2009, , .		1
115	Modeling and an ILP-Based Algorithm Framework for the Slab Stack Shuffling Problem Considering Crane Scheduling. , 2010, , .		1
116	Integer programming model and dynamic programming based heuristic algorithm for the heavy plate shuffling problem in the Iron and steel industry. , 2010, , .		1
117	On-line Energy Allocation Based on Approximate Dynamic Programming for Iron and Steel Industry. ISIJ International, 2016, 56, 2214-2223.	0.6	1
118	A differential evolution algorithm with double-mode crossover for supply chain scheduling in cold rolling. , 2016, , .		1
119	A subpopulation-based differential evolution algorithm for scheduling with batching decisions in steelmaking-continuous casting production. , 2016, , .		1
120	Global Method for a Class of Operation Optimization Problem in Steel Rolling Systems. Industrial & Engineering Chemistry Research, 2019, 58, 5552-5566.	1.8	1
121	The refining scheduling problem with crane non-collision constraint in steelmaking process. , 2008, , .		0
122	The coordinated scheduling of steelmaking with multi-refining and tandem transportation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 14870-14875.	0.4	0
123	Hot rolling turn scheduling using Lagrangian relaxation. , 2009, , .		0
124	A multi-objective differential evolution algorithm with memory based population construction. , 2016, , .		0