List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Optimal scheduling of trains on a single line track. Transportation Research Part B: Methodological, 1996, 30, 147-161.	5.9	275
2	Genetic algorithms to schedule container transfers at multimodal terminals. International Transactions in Operational Research, 1999, 6, 311-329.	2.7	133
3	An approach to determine storage locations of containers at seaport terminals. Computers and Operations Research, 2001, 28, 983-995.	4.0	123
4	Heuristic Techniques for Single Line Train Scheduling. Journal of Heuristics, 1997, 3, 43-62.	1.4	118
5	Optimising container transfers at multimodal terminals. Mathematical and Computer Modelling, 2000, 31, 235-243.	2.0	111
6	Modeling Train Delays in Urban Networks. Transportation Science, 1998, 32, 346-357.	4.4	107
7	Techniques for absolute capacity determination in railways. Transportation Research Part B: Methodological, 2006, 40, 616-632.	5.9	106
8	Scheduling trains as a blocking parallel-machine job shop scheduling problem. Computers and Operations Research, 2009, 36, 2840-2852.	4.0	91
9	Metaheuristic approaches to the hybrid flow shop scheduling problem with a cost-related criterion. International Journal of Production Economics, 2007, 105, 407-424.	8.9	88
10	An assignment model for dynamic load planning of intermodal trains. Computers and Operations Research, 2006, 33, 1-17.	4.0	76
11	Scheduling Trains with Priorities: A No-Wait Blocking Parallel-Machine Job-Shop Scheduling Model. Transportation Science, 2011, 45, 175-198.	4.4	74
12	Comparison of analytical and simulation planning models of seaport container terminals. Transportation Planning and Technology, 1997, 20, 235-248.	2.0	71
13	Mathematical modelling of container transfers and storage locations at seaport terminals. OR Spectrum, 2006, 28, 519-537.	3.4	65
14	Techniques for inserting additional trains into existing timetables. Transportation Research Part B: Methodological, 2009, 43, 821-836.	5.9	63
15	An integrated approach for scheduling health care activities in a hospital. European Journal of Operational Research, 2018, 264, 756-773.	5.7	60
16	A disjunctive graph model and framework for constructing new train schedules. European Journal of Operational Research, 2010, 200, 85-98.	5.7	58
17	Dynamic resource allocation to improve emergency department efficiency in real time. European Journal of Operational Research, 2016, 255, 593-603.	5.7	53
18	Optimised loading patterns for intermodal trains. OR Spectrum, 2008, 30, 721-750.	3.4	52

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19	New graph-based algorithms to efficiently solve large scale open pit mining optimisation problems. Expert Systems With Applications, 2016, 43, 59-65.	7.6	51
20	A railway capacity determination model and rail access charging methodologies. Transportation Planning and Technology, 2005, 28, 27-45.	2.0	47
21	Modelling delay risks associated with train schedules. Transportation Planning and Technology, 1995, 19, 89-108.	2.0	45
22	Ant Colony Optimisation for Machine Layout Problems. Computational Optimization and Applications, 2004, 28, 287-310.	1.6	43
23	A sequencing approach for creating new train timetables. OR Spectrum, 2010, 32, 163-193.	3.4	43
24	A demand-responsive decision support system for coal transportation. Decision Support Systems, 2012, 54, 665-680.	5.9	43
25	Increasing the operational efficiency of container terminals in Australia. Journal of the Operational Research Society, 1997, 48, 151-161.	3.4	38
26	Scheduling a flow shop with combined buffer conditions. International Journal of Production Economics, 2009, 117, 371-380.	8.9	37
27	An integrated approach for earthwork allocation, sequencing and routing. European Journal of Operational Research, 2014, 238, 741-759.	5.7	36
28	Open-pit block sequencing optimization: A mathematical model and solution technique. Engineering Optimization, 2016, 48, 1932-1950.	2.6	35
29	Modelling the number and location of sidings on a single line railway. Computers and Operations Research, 1997, 24, 209-220.	4.0	34
30	A hybrid constructive heuristic and simulated annealing for railway crew scheduling. Computers and Industrial Engineering, 2014, 70, 11-19.	6.3	34
31	Block models for improved earthwork allocation planning in linear infrastructure construction. Engineering Optimization, 2015, 47, 347-369.	2.6	34
32	Energy efficient scheduling of open-pit coal mine trucks. European Journal of Operational Research, 2017, 262, 759-770.	5.7	34
33	Reactive scheduling model for the operating theatre. Flexible Services and Manufacturing Journal, 2012, 24, 400-421.	3.4	33
34	A hybrid shifting bottleneck procedure algorithm for the parallel-machine job-shop scheduling problem. Journal of the Operational Research Society, 2012, 63, 168-182.	3.4	32
35	A multi-criteria approach for hospital capacity analysis. European Journal of Operational Research, 2016, 255, 505-521.	5.7	32
36	Optimum Capacity for Intermodal Container Terminals. Transportation Planning and Technology, 2006, 29, 471-482.	2.0	30

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37	Parallel-identical-machine job-shop scheduling with different stage-dependent buffering requirements. Computers and Operations Research, 2016, 74, 31-41.	4.0	30
38	A hybrid metaheuristic algorithm to optimise a real-world robotic cell. Computers and Operations Research, 2017, 84, 188-194.	4.0	30
39	Job shop scheduling with a combination of four buffering constraints. International Journal of Production Research, 2018, 56, 3274-3293.	7.5	29
40	Optimising container storage processes at multimodal terminals. Journal of the Operational Research Society, 2012, 63, 1126-1142.	3.4	27
41	Parallel machine scheduling and common due window assignment with job independent earliness and tardiness costs. Information Sciences, 2013, 224, 109-117.	6.9	27
42	Waiting list management through master surgical schedules: A case study. Operations Research for Health Care, 2016, 10, 49-64.	1.2	25
43	A mixed integer linear programing approach to perform hospital capacity assessments. Expert Systems With Applications, 2017, 77, 170-188.	7.6	25
44	Profile-based application assignment for greener and more energy-efficient data centers. Future Generation Computer Systems, 2017, 67, 94-108.	7.5	24
45	Optimising a coal rail network under capacity constraints. Flexible Services and Manufacturing Journal, 2011, 23, 90-110.	3.4	23
46	Determining operations affected by delay in predictive train timetables. Computers and Operations Research, 2014, 41, 150-166.	4.0	23
47	Techniques to effectively buffer schedules in the face of uncertainties. Computers and Industrial Engineering, 2015, 87, 16-29.	6.3	23
48	Optimization of container process at seaport terminals. Journal of the Operational Research Society, 2010, 61, 658-665.	3.4	22
49	A comprehensive interdisciplinary review of mine supply chain management. Resources Policy, 2021, 74, 102274.	9.6	22
50	Effects of bed configurations at a hospital emergency department. Journal of Simulation, 2011, 5, 44-57.	1.5	21
51	Comparative analysis of three metaheuristics for short-term open pit block sequencing. Journal of Heuristics, 2016, 22, 301-329.	1.4	19
52	A job-shop scheduling approach for optimising sugarcane rail operations. Flexible Services and Manufacturing Journal, 2011, 23, 181-206.	3.4	18
53	An integrated model of an open-pit coal mine: improving energy efficiency decisions. International Journal of Production Research, 2016, 54, 4213-4227.	7.5	18
54	An operational-level multi-stage mine production timetabling model for optimally synchronising drilling, blasting and excavating operations. International Journal of Mining, Reclamation and Environment, 2017, 31, 457-474.	2.8	18

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55	Analysis of the economic effects of alternative investment decisions for seaport systems. Transportation Planning and Technology, 1994, 18, 239-248.	2.0	17
56	Evolutionary algorithms for flowshop sequencing with non-unique jobs. International Transactions in Operational Research, 2000, 7, 401-418.	2.7	17
57	An integrated approach to optimise sugarcane rail operations. Computers and Industrial Engineering, 2016, 98, 211-220.	6.3	17
58	A new open-pit multi-stage mine production timetabling model for drilling, blasting and excavating operations. Mining Technology: Transactions of the Institute of Materials, Minerals and Mining Section A, 2016, 125, 47-53.	0.8	17
59	Energy-efficient application assignment in profile-based data center management through a Repairing Genetic Algorithm. Applied Soft Computing Journal, 2018, 67, 399-408.	7.2	17
60	Hybrid metaheuristic techniques for optimising sugarcane rail operations. International Journal of Production Research, 2015, 53, 2569-2589.	7.5	15
61	A new constraint programming approach for optimising a coal rail system. Optimization Letters, 2017, 11, 725-738.	1.6	15
62	A flexible crane scheduling methodology for container terminals. Flexible Services and Manufacturing Journal, 2017, 29, 64-96.	3.4	15
63	Profile-based dynamic application assignment with a repairing genetic algorithm for greener data centers. Journal of Supercomputing, 2017, 73, 3977-3998.	3.6	15
64	An integrated material handling system for a truck assembly plant. Journal of the Operational Research Society, 2000, 51, 263-271.	3.4	13
65	Integration of mathematical models for ore mining industry. International Journal of Systems Science: Operations and Logistics, 2019, 6, 55-68.	3.0	13
66	An Interactive Planning and Scheduling Framework for Optimising Pits-to-Crushers Operations. Industrial Engineering and Management Systems, 2012, 11, 94-102.	0.4	13
67	Techniques for restricting multiple overtaking conflicts and performing compound moves when constructing new train schedules. Mathematical and Computer Modelling, 2009, 50, 314-328.	2.0	11
68	Scheduling Trains on Parallel Lines with Crossover Points. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2009, 13, 171-187.	4.2	11
69	Sequencing and scheduling in flowshops with task redistribution. Journal of the Operational Research Society, 2001, 52, 1379-1389.	3.4	10
70	EVOLUTIONARY ALGORITHMS FOR RESOURCE CONSTRAINED NON-SERIAL MIXED FLOW SHOPS. International Journal of Computational Intelligence and Applications, 2003, 03, 411-435.	0.8	10
71	Performance profiling for predictive train schedules. Journal of Rail Transport Planning and Management, 2014, 4, 98-114.	1.4	10
72	Spatial Pair-Copula Modeling of Grade in Ore Bodies: A Case Study. Natural Resources Research, 2017, 26, 223-236.	4.7	10

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73	A Tabu search technique applied to scheduling container transfers. Transportation Planning and Technology, 2001, 24, 135-153.	2.0	9
74	Job scheduling with technical constraints. Journal of the Operational Research Society, 2004, 55, 160-169.	3.4	9
75	Alternative algorithms for the optimization of a simulation model of a multimodal container terminal. Journal of the Operational Research Society, 2007, 58, 1203-1213.	3.4	9
76	Analysis of uncertainty in the surgical department: durations, requests and cancellations. Australian Health Review, 2019, 43, 706.	1.1	9
77	A New Multi-Objective Model to Optimise Rail Transport Scheduler. Journal of Transportation Technologies, 2016, 06, 86-98.	0.5	8
78	Meta-heuristics for a complex push–pull production system. Journal of Intelligent Manufacturing, 2004, 15, 381-393.	7.3	7
79	Health care management. Flexible Services and Manufacturing Journal, 2012, 24, 375-378.	3.4	7
80	Tracking the patient journey by combining multiple hospital database systems. Australian Health Review, 2014, 38, 332.	1.1	7
81	A new approach to spatial data interpolation using higher-order statistics. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1679-1690.	4.0	7
82	Nonlinear Multivariate Spatial Modeling Using NLPCA and Pair opulas. Geographical Analysis, 2017, 49, 409-432.	3.5	7
83	Profiling: An application assignment approach for green data centers. , 2014, , .		6
84	A blood bank inventory control model for red blood cells. International Journal of Healthcare Technology and Management, 2001, 3, 203.	0.1	5
85	THE ASSIGNMENT OF INDIVIDUAL RENEWABLE RESOURCES IN SCHEDULING. Asia-Pacific Journal of Operational Research, 2004, 21, 355-377.	1.3	5
86	An integrated rolling horizon approach to increase operating theatre efficiency. Journal of Scheduling, 2021, 24, 3-25.	1.9	5
87	A real-time reactive framework for the surgical case sequencing problem. Flexible Services and Manufacturing Journal, 2021, 33, 183-211.	3.4	5
88	Mathematical modelling of container transfers and storage locations at seaport terminals. , 2007, , 87-105.		4
89	Experimental dataset for optimising the freight rail operations. Data in Brief, 2016, 9, 492-500.	1.0	3
90	Using Genetic Algorithm in Profile-Based Assignment of Applications to Virtual Machines for Greener Data Centers. Lecture Notes in Computer Science, 2015, , 182-189.	1.3	3

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91	Planning Seaport Container Terminals. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1995, 28, 223-228.	0.4	2
92	Analysing the performance of an automated pathology specimen handling system. Journal of Intelligent Manufacturing, 2008, 19, 175-189.	7.3	2
93	A Metaâ€representation for Integrating Operational Research and Artificial Intelligence in an Intelligent Decision Support Paradigm. International Transactions in Operational Research, 2001, 8, 107-119.	2.7	1
94	A Real-World Transport Scheduler Applied to Australian Sugarcane Industry. , 2020, , .		1
95	Modern heuristics for scheduling. Flexible Services and Manufacturing Journal, 2011, 23, 87-89.	3.4	0
96	Optimum Utilisation of Rolling Stocks for Iron Ore Mining Industries. Advanced Materials Research, 0, 361-363, 1529-1534.	0.3	0
97	A classification and literature survey on aviation management. , 2019, , .		0