

Erhan Kozan

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

3,196
citations

159358

30
h-index

174990

52
g-index

99
all docs

99
docs citations

99
times ranked

1785
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal scheduling of trains on a single line track. <i>Transportation Research Part B: Methodological</i> , 1996, 30, 147-161.	2.8	275
2	Genetic algorithms to schedule container transfers at multimodal terminals. <i>International Transactions in Operational Research</i> , 1999, 6, 311-329.	1.8	133
3	An approach to determine storage locations of containers at seaport terminals. <i>Computers and Operations Research</i> , 2001, 28, 983-995.	2.4	123
4	Heuristic Techniques for Single Line Train Scheduling. <i>Journal of Heuristics</i> , 1997, 3, 43-62.	1.1	118
5	Optimising container transfers at multimodal terminals. <i>Mathematical and Computer Modelling</i> , 2000, 31, 235-243.	2.0	111
6	Modeling Train Delays in Urban Networks. <i>Transportation Science</i> , 1998, 32, 346-357.	2.6	107
7	Techniques for absolute capacity determination in railways. <i>Transportation Research Part B: Methodological</i> , 2006, 40, 616-632.	2.8	106
8	Scheduling trains as a blocking parallel-machine job shop scheduling problem. <i>Computers and Operations Research</i> , 2009, 36, 2840-2852.	2.4	91
9	Metaheuristic approaches to the hybrid flow shop scheduling problem with a cost-related criterion. <i>International Journal of Production Economics</i> , 2007, 105, 407-424.	5.1	88
10	An assignment model for dynamic load planning of intermodal trains. <i>Computers and Operations Research</i> , 2006, 33, 1-17.	2.4	76
11	Scheduling Trains with Priorities: A No-Wait Blocking Parallel-Machine Job-Shop Scheduling Model. <i>Transportation Science</i> , 2011, 45, 175-198.	2.6	74
12	Comparison of analytical and simulation planning models of seaport container terminals. <i>Transportation Planning and Technology</i> , 1997, 20, 235-248.	0.9	71
13	Mathematical modelling of container transfers and storage locations at seaport terminals. <i>OR Spectrum</i> , 2006, 28, 519-537.	2.1	65
14	Techniques for inserting additional trains into existing timetables. <i>Transportation Research Part B: Methodological</i> , 2009, 43, 821-836.	2.8	63
15	An integrated approach for scheduling health care activities in a hospital. <i>European Journal of Operational Research</i> , 2018, 264, 756-773.	3.5	60
16	A disjunctive graph model and framework for constructing new train schedules. <i>European Journal of Operational Research</i> , 2010, 200, 85-98.	3.5	58
17	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
18	Optimised loading patterns for intermodal trains. <i>OR Spectrum</i> , 2008, 30, 721-750.	2.1	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.	4.4	51
20	A railway capacity determination model and rail access charging methodologies. Transportation Planning and Technology, 2005, 28, 27-45.	0.9	47
21	Modelling delay risks associated with train schedules. Transportation Planning and Technology, 1995, 19, 89-108.	0.9	45
22	Ant Colony Optimisation for Machine Layout Problems. Computational Optimization and Applications, 2004, 28, 287-310.	0.9	43
23	A sequencing approach for creating new train timetables. OR Spectrum, 2010, 32, 163-193.	2.1	43
24	A demand-responsive decision support system for coal transportation. Decision Support Systems, 2012, 54, 665-680.	3.5	43
25	Increasing the operational efficiency of container terminals in Australia. Journal of the Operational Research Society, 1997, 48, 151-161.	2.1	38
26	Scheduling a flow shop with combined buffer conditions. International Journal of Production Economics, 2009, 117, 371-380.	5.1	37
27	An integrated approach for earthwork allocation, sequencing and routing. European Journal of Operational Research, 2014, 238, 741-759.	3.5	36
28	Open-pit block sequencing optimization: A mathematical model and solution technique. Engineering Optimization, 2016, 48, 1932-1950.	1.5	35
29	Modelling the number and location of sidings on a single line railway. Computers and Operations Research, 1997, 24, 209-220.	2.4	34
30	A hybrid constructive heuristic and simulated annealing for railway crew scheduling. Computers and Industrial Engineering, 2014, 70, 11-19.	3.4	34
31	Block models for improved earthwork allocation planning in linear infrastructure construction. Engineering Optimization, 2015, 47, 347-369.	1.5	34
32	Energy efficient scheduling of open-pit coal mine trucks. European Journal of Operational Research, 2017, 262, 759-770.	3.5	34
33	Reactive scheduling model for the operating theatre. Flexible Services and Manufacturing Journal, 2012, 24, 400-421.	1.9	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.	2.1	32
35	A multi-criteria approach for hospital capacity analysis. European Journal of Operational Research, 2016, 255, 505-521.	3.5	32
36	Optimum Capacity for Intermodal Container Terminals. Transportation Planning and Technology, 2006, 29, 471-482.	0.9	30

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37	Parallel-identical-machine job-shop scheduling with different stage-dependent buffering requirements. <i>Computers and Operations Research</i> , 2016, 74, 31-41.	2.4	30
38	A hybrid metaheuristic algorithm to optimise a real-world robotic cell. <i>Computers and Operations Research</i> , 2017, 84, 188-194.	2.4	30
39	Job shop scheduling with a combination of four buffering constraints. <i>International Journal of Production Research</i> , 2018, 56, 3274-3293.	4.9	29
40	Optimising container storage processes at multimodal terminals. <i>Journal of the Operational Research Society</i> , 2012, 63, 1126-1142.	2.1	27
41	Parallel machine scheduling and common due window assignment with job independent earliness and tardiness costs. <i>Information Sciences</i> , 2013, 224, 109-117.	4.0	27
42	Waiting list management through master surgical schedules: A case study. <i>Operations Research for Health Care</i> , 2016, 10, 49-64.	0.8	25
43	A mixed integer linear programming approach to perform hospital capacity assessments. <i>Expert Systems With Applications</i> , 2017, 77, 170-188.	4.4	25
44	Profile-based application assignment for greener and more energy-efficient data centers. <i>Future Generation Computer Systems</i> , 2017, 67, 94-108.	4.9	24
45	Optimising a coal rail network under capacity constraints. <i>Flexible Services and Manufacturing Journal</i> , 2011, 23, 90-110.	1.9	23
46	Determining operations affected by delay in predictive train timetables. <i>Computers and Operations Research</i> , 2014, 41, 150-166.	2.4	23
47	Techniques to effectively buffer schedules in the face of uncertainties. <i>Computers and Industrial Engineering</i> , 2015, 87, 16-29.	3.4	23
48	Optimization of container process at seaport terminals. <i>Journal of the Operational Research Society</i> , 2010, 61, 658-665.	2.1	22
49	A comprehensive interdisciplinary review of mine supply chain management. <i>Resources Policy</i> , 2021, 74, 102274.	4.2	22
50	Effects of bed configurations at a hospital emergency department. <i>Journal of Simulation</i> , 2011, 5, 44-57.	1.0	21
51	Comparative analysis of three metaheuristics for short-term open pit block sequencing. <i>Journal of Heuristics</i> , 2016, 22, 301-329.	1.1	19
52	A job-shop scheduling approach for optimising sugarcane rail operations. <i>Flexible Services and Manufacturing Journal</i> , 2011, 23, 181-206.	1.9	18
53	An integrated model of an open-pit coal mine: improving energy efficiency decisions. <i>International Journal of Production Research</i> , 2016, 54, 4213-4227.	4.9	18
54	An operational-level multi-stage mine production timetabling model for optimally synchronising drilling, blasting and excavating operations. <i>International Journal of Mining, Reclamation and Environment</i> , 2017, 31, 457-474.	1.2	18

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55	Analysis of the economic effects of alternative investment decisions for seaport systems. <i>Transportation Planning and Technology</i> , 1994, 18, 239-248.	0.9	17
56	Evolutionary algorithms for flowshop sequencing with non-unique jobs. <i>International Transactions in Operational Research</i> , 2000, 7, 401-418.	1.8	17
57	An integrated approach to optimise sugarcane rail operations. <i>Computers and Industrial Engineering</i> , 2016, 98, 211-220.	3.4	17
58	A new open-pit multi-stage mine production timetabling model for drilling, blasting and excavating operations. <i>Mining Technology: Transactions of the Institute of Materials, Minerals and Mining Section A</i> , 2016, 125, 47-53.	0.8	17
59	Energy-efficient application assignment in profile-based data center management through a Repairing Genetic Algorithm. <i>Applied Soft Computing Journal</i> , 2018, 67, 399-408.	4.1	17
60	Hybrid metaheuristic techniques for optimising sugarcane rail operations. <i>International Journal of Production Research</i> , 2015, 53, 2569-2589.	4.9	15
61	A new constraint programming approach for optimising a coal rail system. <i>Optimization Letters</i> , 2017, 11, 725-738.	0.9	15
62	A flexible crane scheduling methodology for container terminals. <i>Flexible Services and Manufacturing Journal</i> , 2017, 29, 64-96.	1.9	15
63	Profile-based dynamic application assignment with a repairing genetic algorithm for greener data centers. <i>Journal of Supercomputing</i> , 2017, 73, 3977-3998.	2.4	15
64	An integrated material handling system for a truck assembly plant. <i>Journal of the Operational Research Society</i> , 2000, 51, 263-271.	2.1	13
65	Integration of mathematical models for ore mining industry. <i>International Journal of Systems Science: Operations and Logistics</i> , 2019, 6, 55-68.	2.0	13
66	An Interactive Planning and Scheduling Framework for Optimising Pits-to-Crushers Operations. <i>Industrial Engineering and Management Systems</i> , 2012, 11, 94-102.	0.3	13
67	Techniques for restricting multiple overtaking conflicts and performing compound moves when constructing new train schedules. <i>Mathematical and Computer Modelling</i> , 2009, 50, 314-328.	2.0	11
68	Scheduling Trains on Parallel Lines with Crossover Points. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2009, 13, 171-187.	2.6	11
69	Sequencing and scheduling in flowshops with task redistribution. <i>Journal of the Operational Research Society</i> , 2001, 52, 1379-1389.	2.1	10
70	EVOLUTIONARY ALGORITHMS FOR RESOURCE CONSTRAINED NON-SERIAL MIXED FLOW SHOPS. <i>International Journal of Computational Intelligence and Applications</i> , 2003, 03, 411-435.	0.6	10
71	Performance profiling for predictive train schedules. <i>Journal of Rail Transport Planning and Management</i> , 2014, 4, 98-114.	0.8	10
72	Spatial Pair-Copula Modeling of Grade in Ore Bodies: A Case Study. <i>Natural Resources Research</i> , 2017, 26, 223-236.	2.2	10

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73	A Tabu search technique applied to scheduling container transfers. <i>Transportation Planning and Technology</i> , 2001, 24, 135-153.	0.9	9
74	Job scheduling with technical constraints. <i>Journal of the Operational Research Society</i> , 2004, 55, 160-169.	2.1	9
75	Alternative algorithms for the optimization of a simulation model of a multimodal container terminal. <i>Journal of the Operational Research Society</i> , 2007, 58, 1203-1213.	2.1	9
76	Analysis of uncertainty in the surgical department: durations, requests and cancellations. <i>Australian Health Review</i> , 2019, 43, 706.	0.5	9
77	A New Multi-Objective Model to Optimise Rail Transport Scheduler. <i>Journal of Transportation Technologies</i> , 2016, 06, 86-98.	0.2	8
78	Meta-heuristics for a complex push&pull production system. <i>Journal of Intelligent Manufacturing</i> , 2004, 15, 381-393.	4.4	7
79	Health care management. <i>Flexible Services and Manufacturing Journal</i> , 2012, 24, 375-378.	1.9	7
80	Tracking the patient journey by combining multiple hospital database systems. <i>Australian Health Review</i> , 2014, 38, 332.	0.5	7
81	A new approach to spatial data interpolation using higher-order statistics. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015, 29, 1679-1690.	1.9	7
82	Nonlinear Multivariate Spatial Modeling Using NLPCA and Pair&Copulas. <i>Geographical Analysis</i> , 2017, 49, 409-432.	1.9	7
83	Profiling: An application assignment approach for green data centers. , 2014, , .		6
84	A blood bank inventory control model for red blood cells. <i>International Journal of Healthcare Technology and Management</i> , 2001, 3, 203.	0.1	5
85	THE ASSIGNMENT OF INDIVIDUAL RENEWABLE RESOURCES IN SCHEDULING. <i>Asia-Pacific Journal of Operational Research</i> , 2004, 21, 355-377.	0.9	5
86	An integrated rolling horizon approach to increase operating theatre efficiency. <i>Journal of Scheduling</i> , 2021, 24, 3-25.	1.3	5
87	A real-time reactive framework for the surgical case sequencing problem. <i>Flexible Services and Manufacturing Journal</i> , 2021, 33, 183-211.	1.9	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. <i>Data in Brief</i> , 2016, 9, 492-500.	0.5	3
90	Using Genetic Algorithm in Profile-Based Assignment of Applications to Virtual Machines for Greener Data Centers. <i>Lecture Notes in Computer Science</i> , 2015, , 182-189.	1.0	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.	4.4	2
93	A Meta-representation for Integrating Operational Research and Artificial Intelligence in an Intelligent Decision Support Paradigm. International Transactions in Operational Research, 2001, 8, 107-119.	1.8	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.	1.9	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