

David Canca

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,537
citations

361045

20
h-index

315357

38
g-index

46
all docs

46
docs citations

46
times ranked

1062
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-line rail rapid transit timetabling under dynamic passenger demand. <i>Transportation Research Part B: Methodological</i> , 2014, 70, 134-150.	2.8	203
2	Exact formulations and algorithm for the train timetabling problem with dynamic demand. <i>Computers and Operations Research</i> , 2014, 44, 66-74.	2.4	174
3	Truck-drone team logistics: A heuristic approach to multi-drop route planning. <i>Transportation Research Part C: Emerging Technologies</i> , 2020, 114, 657-680.	3.9	114
4	Design and analysis of demand-adapted railway timetables. <i>Journal of Advanced Transportation</i> , 2014, 48, 119-137.	0.9	102
5	Application of centralised DEA approach to capital budgeting in Spanish ports. <i>Computers and Industrial Engineering</i> , 2011, 60, 455-465.	3.4	86
6	An adaptive neighborhood search metaheuristic for the integrated railway rapid transit network design and line planning problem. <i>Computers and Operations Research</i> , 2017, 78, 1-14.	2.4	83
7	Coordinated scheduling of production and delivery from multiple plants. <i>Robotics and Computer-Integrated Manufacturing</i> , 2004, 20, 191-198.	6.1	67
8	Integrated Railway Rapid Transit Network Design and Line Planning problem with maximum profit. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019, 127, 1-30.	3.7	65
9	Design of energy-efficient timetables in two-way railway rapid transit lines. <i>Transportation Research Part B: Methodological</i> , 2017, 102, 142-161.	2.8	59
10	A short-turning policy for the management of demand disruptions in rapid transit systems. <i>Annals of Operations Research</i> , 2016, 246, 145-166.	2.6	58
11	Manufacturing cell formation using a new self-organizing neural network. <i>Computers and Industrial Engineering</i> , 2002, 42, 377-382.	3.4	47
12	The integrated rolling stock circulation and depot location problem in railway rapid transit systems. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2018, 109, 115-138.	3.7	44
13	Setting lines frequency and capacity in dense railway rapid transit networks with simultaneous passenger assignment. <i>Transportation Research Part B: Methodological</i> , 2016, 93, 251-267.	2.8	42
14	Deformability properties of timolol-loaded transfersomes based on the extrusion mechanism. Statistical optimization of the process. <i>Drug Development and Industrial Pharmacy</i> , 2016, 42, 1683-1694.	0.9	41
15	A general rapid network design, line planning and fleet investment integrated model. <i>Annals of Operations Research</i> , 2016, 246, 127-144.	2.6	33
16	Scheduling a dual-resource flexible job shop with makespan and due date-related criteria. <i>Annals of Operations Research</i> , 2020, 291, 5-35.	2.6	28
17	A methodology for facilitating reconfiguration in manufacturing: the move towards reconfigurable manufacturing systems. <i>International Journal of Advanced Manufacturing Technology</i> , 2007, 33, 345-353.	1.5	27
18	Optimal Train Reallocation Strategies under Service Disruptions. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 54, 402-413.	0.5	27

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19	Machine grouping using sequence-based similarity coefficients and neural networks. <i>Robotics and Computer-Integrated Manufacturing</i> , 2001, 17, 399-404.	6.1	25
20	Impact of battery technological progress on electricity arbitrage: An application to the Iberian market. <i>Applied Energy</i> , 2020, 260, 114273.	5.1	21
21	A Rolling Stock Circulation Model for Railway Rapid Transit Systems. <i>Transportation Research Procedia</i> , 2014, 3, 680-689.	0.8	20
22	Integrated management of inventory and production systems based on floating decoupling point and real-time information: A simulation based analysis. <i>International Journal of Production Economics</i> , 2016, 181, 48-57.	5.1	18
23	Confrontation of Different Objectives in the determination of train scheduling. <i>Procedia, Social and Behavioral Sciences</i> , 2011, 20, 302-312.	0.5	17
24	The Railway Rapid Transit frequency setting problem with speed-dependent operation costs. <i>Transportation Research Part B: Methodological</i> , 2018, 117, 494-519.	2.8	17
25	A methodology for schedule-based paths recommendation in multimodal public transportation networks. <i>Journal of Advanced Transportation</i> , 2013, 47, 319-335.	0.9	13
26	Macroscopic attraction-based simulation of pedestrian mobility: A dynamic individual route-choice approach. <i>European Journal of Operational Research</i> , 2013, 231, 428-442.	3.5	12
27	Mathematical formulations for the bimodal bus-pedestrian social welfare network design problem. <i>Transportation Research Part B: Methodological</i> , 2021, 145, 302-323.	2.8	12
28	Artificial neural networks as alternative tool for minimizing error predictions in manufacturing ultradeformable nanoliposome formulations. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 135-143.	0.9	11
29	Analyzing the theoretical capacity of railway networks with a radial-backbone topology. <i>Transportation Research, Part A: Policy and Practice</i> , 2016, 84, 83-92.	2.0	10
30	An assessment of European electricity arbitrage using storage systems. <i>Energy</i> , 2022, 242, 122916.	4.5	10
31	On modelling non-linear quantity discounts in a supplier selection problem by mixed linear integer optimization. <i>Annals of Operations Research</i> , 2017, 258, 301-346.	2.6	9
32	Railway Rapid Transit Timetables with Variable and Elastic Demand. <i>Procedia, Social and Behavioral Sciences</i> , 2014, 111, 538-548.	0.5	8
33	The Railway Network Design, Line Planning and Capacity Problem: An Adaptive Large Neighborhood Search Metaheuristic. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 198-219.	0.5	7
34	The railway rapid transit network construction scheduling problem. <i>Computers and Industrial Engineering</i> , 2019, 138, 106075.	3.4	6
35	Counting and enumerating feasible rotating schedules by means of Gröbner bases. <i>Mathematics and Computers in Simulation</i> , 2016, 125, 139-151.	2.4	5
36	A quantitative approach for the long-term assessment of Railway Rapid Transit network construction or expansion projects. <i>European Journal of Operational Research</i> , 2021, 294, 604-621.	3.5	5

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37	Solving real-size stochastic railway rapid transit network construction scheduling problems. Computers and Operations Research, 2022, 138, 105600.	2.4	3
38	Blackout risk mitigation by using medium size gas turbines. Energy, 2018, 148, 32-48.	4.5	2
39	Analysis of the selective traveling salesman problem with time-dependent profits. Top, 2023, 31, 165-193.	1.1	2
40	Production Inventory and Enterprise System Implementation: An Ex-ante No-Cost Based Evaluation. Lecture Notes in Business Information Processing, 2010, , 291-303.	0.8	1
41	An Evolutionary Algorithm for the Design of Hybrid Fiber Optic-Coaxial Cable Networks in Small Urban Areas. Lecture Notes in Computer Science, 2001, , 749-756.	1.0	1
42	On setting line frequencies and capacities in dense Railway Rapid Transit networks. , 2015, , .		0
43	OPTIMIZING CONTAINER LOCATION FOR SELECTIVE COLLECTION OF URBAN SOLID WASTE. , 2018, , .		0
44	EXPERIMENTAL TECHNIQUES AND NUMERICAL MODELS TO DETECT POLLUTANT EMISSION IN THE TRANSPORT SECTOR. WIT Transactions on the Built Environment, 2019, , .	0.0	0