## David Canca

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Single-line rail rapid transit timetabling under dynamic passenger demand. Transportation Research Part B: Methodological, 2014, 70, 134-150.	5.9	203
2	Exact formulations and algorithm for the train timetabling problem with dynamic demand. Computers and Operations Research, 2014, 44, 66-74.	4.0	174
3	Truck-drone team logistics: A heuristic approach to multi-drop route planning. Transportation Research Part C: Emerging Technologies, 2020, 114, 657-680.	7.6	114
4	Design and analysis of demandâ€adapted railway timetables. Journal of Advanced Transportation, 2014, 48, 119-137.	1.7	102
5	Application of centralised DEA approach to capital budgeting in Spanish ports. Computers and Industrial Engineering, 2011, 60, 455-465.	6.3	86
6	An adaptive neighborhood search metaheuristic for the integrated railway rapid transit network design and line planning problem. Computers and Operations Research, 2017, 78, 1-14.	4.0	83
7	Coordinated scheduling of production and delivery from multiple plants. Robotics and Computer-Integrated Manufacturing, 2004, 20, 191-198.	9.9	67
8	Integrated Railway Rapid Transit Network Design and Line Planning problem with maximum profit. Transportation Research, Part E: Logistics and Transportation Review, 2019, 127, 1-30.	7.4	65
9	Design of energy-Efficient timetables in two-way railway rapid transit lines. Transportation Research Part B: Methodological, 2017, 102, 142-161.	5.9	59
10	A short-turning policy for the management of demand disruptions in rapid transit systems. Annals of Operations Research, 2016, 246, 145-166.	4.1	58
11	Manufacturing cell formation using a new self-organizing neural network. Computers and Industrial Engineering, 2002, 42, 377-382.	6.3	47
12	The integrated rolling stock circulation and depot location problem in railway rapid transit systems. Transportation Research, Part E: Logistics and Transportation Review, 2018, 109, 115-138.	7.4	44
13	Setting lines frequency and capacity in dense railway rapid transit networks with simultaneous passenger assignment. Transportation Research Part B: Methodological, 2016, 93, 251-267.	5.9	42
14	Deformability properties of timolol-loaded transfersomes based on the extrusion mechanism. Statistical optimization of the process. Drug Development and Industrial Pharmacy, 2016, 42, 1683-1694.	2.0	41
15	A general rapid network design, line planning and fleet investment integrated model. Annals of Operations Research, 2016, 246, 127-144.	4.1	33
16	Scheduling a dual-resource flexible job shop with makespan and due date-related criteria. Annals of Operations Research, 2020, 291, 5-35.	4.1	28
17	A methodology for facilitating reconfiguration in manufacturing: the move towards reconfigurable manufacturing systems. International Journal of Advanced Manufacturing Technology, 2007, 33, 345-353.	3.0	27
18	Optimal Train Reallocation Strategies under Service Disruptions. Procedia, Social and Behavioral Sciences, 2012, 54, 402-413.	0.5	27

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19	Machine grouping using sequence-based similarity coefficients and neural networks. Robotics and Computer-Integrated Manufacturing, 2001, 17, 399-404.	9.9	25
20	Impact of battery technological progress on electricity arbitrage: An application to the Iberian market. Applied Energy, 2020, 260, 114273.	10.1	21
21	A Rolling Stock Circulation Model for Railway Rapid Transit Systems. Transportation Research Procedia, 2014, 3, 680-689.	1.5	20
22	Integrated management of inventory and production systems based on floating decoupling point and real-time information: A simulation based analysis. International Journal of Production Economics, 2016, 181, 48-57.	8.9	18
23	Confrontation of Different Objectives in the determination of train scheduling. Procedia, Social and Behavioral Sciences, 2011, 20, 302-312.	0.5	17
24	The Railway Rapid Transit frequency setting problem with speed-dependent operation costs. Transportation Research Part B: Methodological, 2018, 117, 494-519.	5.9	17
25	A methodology for scheduleâ€based paths recommendation in multimodal public transportation networks. Journal of Advanced Transportation, 2013, 47, 319-335.	1.7	13
26	Macroscopic attraction-based simulation of pedestrian mobility: A dynamic individual route-choice approach. European Journal of Operational Research, 2013, 231, 428-442.	5.7	12
27	Mathematical formulations for the bimodal bus-pedestrian social welfare network design problem. Transportation Research Part B: Methodological, 2021, 145, 302-323.	5.9	12
28	Artificial neural networks as alternative tool for minimizing error predictions in manufacturing ultradeformable nanoliposome formulations. Drug Development and Industrial Pharmacy, 2018, 44, 135-143.	2.0	11
29	Analyzing the theoretical capacity of railway networks with a radial-backbone topology. Transportation Research, Part A: Policy and Practice, 2016, 84, 83-92.	4.2	10
30	An assessment of European electricity arbitrage using storage systems. Energy, 2022, 242, 122916.	8.8	10
31	On modelling non-linear quantity discounts in a supplier selection problem by mixed linear integer optimization. Annals of Operations Research, 2017, 258, 301-346.	4.1	9
32	Railway Rapid Transit Timetables with Variable and Elastic Demand. Procedia, Social and Behavioral Sciences, 2014, 111, 538-548.	0.5	8
33	The Railway Network Design, Line Planning and Capacity Problem: An Adaptive Large Neighborhood Search Metaheuristic. Advances in Intelligent Systems and Computing, 2018, , 198-219.	0.6	7
34	The railway rapid transit network construction scheduling problem. Computers and Industrial Engineering, 2019, 138, 106075.	6.3	6
35	Counting and enumerating feasible rotating schedules by means of Gröbner bases. Mathematics and Computers in Simulation, 2016, 125, 139-151.	4.4	5
36	A quantitative approach for the long-term assessment of Railway Rapid Transit network construction or expansion projects. European Journal of Operational Research, 2021, 294, 604-621.	5.7	5

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37	Solving real-size stochastic railway rapid transit network construction scheduling problems. Computers and Operations Research, 2022, 138, 105600.	4.0	3
38	Blackout risk mitigation by using medium size gas turbines. Energy, 2018, 148, 32-48.	8.8	2
39	Analysis of the selective traveling salesman problem with time-dependent profits. Top, 2023, 31, 165-193.	1.6	2
40	Production Inventory and Enterprise System Implementation: An Ex-ante No-Cost Based Evaluation. Lecture Notes in Business Information Processing, 2010, , 291-303.	1.0	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.	1.3	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