# David Canca

## List of Publications by Citations

| 41 | 1,039 | 18 | 32 |
|:---:|:---:|:---:|:---:|
| papers | citations | h-index | g-index |
| **46** | **1,275** | **5** | **4.8** |
| ext. papers | ext. citations | avg, IF | L-index |

| # | Paper | IF | Citations |
|---|-------|-----|-----------|
| 41 | Single-line rail rapid transit timetabling under dynamic passenger demand. *Transportation Research Part B: Methodological*, **2014**, 70, 134-150 | 7.2 | 138 |
| 40 | Exact formulations and algorithm for the train timetabling problem with dynamic demand. *Computers and Operations Research*, **2014**, 44, 66-74 | 4.6 | 116 |
| 39 | Design and analysis of demand-adapted railway timetables. *Journal of Advanced Transportation*, **2014**, 48, 119-137 | 1.9 | 75 |
| 38 | Application of centralised DEA approach to capital budgeting in Spanish ports. *Computers and Industrial Engineering*, **2011**, 60, 455-465 | 6.4 | 68 |
| 37 | 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 | 4.6 | 60 |
| 36 | Coordinated scheduling of production and delivery from multiple plants. *Robotics and Computer-Integrated Manufacturing*, **2004**, 20, 191-198 | 9.2 | 52 |
| 35 | Truck-drone team logistics: A heuristic approach to multi-drop route planning. *Transportation Research Part C: Emerging Technologies*, **2020**, 114, 657-680 | 8.4 | 49 |
| 34 | Design of energy-Efficient timetables in two-way railway rapid transit lines. *Transportation Research Part B: Methodological*, **2017**, 102, 142-161 | 7.2 | 42 |
| 33 | Manufacturing cell formation using a new self-organizing neural network. *Computers and Industrial Engineering*, **2002**, 42, 377-382 | 6.4 | 41 |
| 32 | 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 | 9 | 40 |
| 31 | A short-turning policy for the management of demand disruptions in rapid transit systems. *Annals of Operations Research*, **2016**, 246, 145-166 | 3.2 | 36 |
| 30 | Deformability properties of timolol-loaded transfersomes based on the extrusion mechanism. Statistical optimization of the process. *Drug Development and Industrial Pharmacy*, **2016**, 42, 1683-94 | 3.6 | 31 |
| 29 | Setting lines frequency and capacity in dense railway rapid transit networks with simultaneous passenger assignment. *Transportation Research Part B: Methodological*, **2016**, 93, 251-267 | 7.2 | 28 |
| 28 | 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 | 9 | 28 |
| 27 | A general rapid network design, line planning and fleet investment integrated model. *Annals of Operations Research*, **2016**, 246, 127-144 | 3.2 | 26 |
| 26 | Optimal Train Reallocation Strategies under Service Disruptions. *Procedia, Social and Behavioral Sciences*, **2012**, 54, 402-413 | | 24 |
| 25 | Machine grouping using sequence-based similarity coefficients and neural networks. *Robotics and Computer-Integrated Manufacturing*, **2001**, 17, 399-404 | 9.2 | 24 |

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|---|---|---|---|
| 24 | A methodology for facilitating reconfiguration in manufacturing: the move towards reconfigurable manufacturing systems. *International Journal of Advanced Manufacturing Technology*, **2007**, 33, 345-353 | 3.2 | 21 |
| 23 | Confrontation of Different Objectives in the determination of train scheduling. *Procedia, Social and Behavioral Sciences*, **2011**, 20, 302-312 | | 16 |
| 22 | Impact of battery technological progress on electricity arbitrage: An application to the Iberian market. *Applied Energy*, **2020**, 260, 114273 | 10.7 | 14 |
| 21 | 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 | 9.3 | 14 |
| 20 | Scheduling a dual-resource flexible job shop with makespan and due date-related criteria. *Annals of Operations Research*, **2020**, 291, 5-35 | 3.2 | 13 |
| 19 | A methodology for schedule-based paths recommendation in multimodal public transportation networks. *Journal of Advanced Transportation*, **2013**, 47, 319-335 | 1.9 | 11 |
| 18 | The Railway Rapid Transit frequency setting problem with speed-dependent operation costs. *Transportation Research Part B: Methodological*, **2018**, 117, 494-519 | 7.2 | 11 |
| 17 | Macroscopic attraction-based simulation of pedestrian mobility: A dynamic individual route-choice approach. *European Journal of Operational Research*, **2013**, 231, 428-442 | 5.6 | 9 |
| 16 | A Rolling Stock Circulation Model for Railway Rapid Transit Systems. *Transportation Research Procedia*, **2014**, 3, 680-689 | 2.4 | 9 |
| 15 | On modelling non-linear quantity discounts in a supplier selection problem by mixed linear integer optimization. *Annals of Operations Research*, **2017**, 258, 301-346 | 3.2 | 8 |
| 14 | Artificial neural networks as alternative tool for minimizing error predictions in manufacturing ultradeformable nanoliposome formulations. *Drug Development and Industrial Pharmacy*, **2018**, 44, 135-143 | 3.6 | 7 |
| 13 | Analyzing the theoretical capacity of railway networks with a radial-backbone topology. *Transportation Research, Part A: Policy and Practice*, **2016**, 84, 83-92 | 3.7 | 4 |
| 12 | Counting and enumerating feasible rotating schedules by means of Gröbner bases. *Mathematics and Computers in Simulation*, **2016**, 125, 139-151 | 3.3 | 4 |
| 11 | The railway rapid transit network construction scheduling problem. *Computers and Industrial Engineering*, **2019**, 138, 106075 | 6.4 | 4 |
| 10 | Railway Rapid Transit Timetables with Variable and Elastic Demand. *Procedia, Social and Behavioral Sciences*, **2014**, 111, 538-548 | | 4 |
| 9 | Mathematical formulations for the bimodal bus-pedestrian social welfare network design problem. *Transportation Research Part B: Methodological*, **2021**, 145, 302-323 | 7.2 | 4 |
| 8 | The Railway Network Design, Line Planning and Capacity Problem: An Adaptive Large Neighborhood Search Metaheuristic. *Advances in Intelligent Systems and Computing*, **2018**, 198-219 | 0.4 | 3 |
| 7 | Blackout risk mitigation by using medium size gas turbines. *Energy*, **2018**, 148, 32-48 | 7.9 | 1 |

| 6 | 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 | 0.9 | 1 |
| 5 | Production Inventory and Enterprise System Implementation: An Ex-ante No-Cost Based Evaluation. *Lecture Notes in Business Information Processing*, **2010**, 291-303 | 0.6 | 1 |
| 4 | 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 | 5.6 | 1 |
| 3 | A Hybrid VNS/Tabu Search Algorithm for Apportioning the European Parliament. *Lecture Notes in Computer Science*, **2006**, 284-292 | 0.9 | 1 |
| 2 | An assessment of European electricity arbitrage using storage systems. *Energy*, **2022**, 242, 122916 | 7.9 | 0 |
| 1 | Solving real-size stochastic railway rapid transit network construction scheduling problems. *Computers and Operations Research*, **2022**, 138, 105600 | 4.6 | 0 |