

David Canca

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

1,039
citations

18
h-index

32
g-index

46
ext. papers

1,275
ext. citations

5
avg, IF

4.8
L-index

#	Paper	IF	Citations
41	An assessment of European electricity arbitrage using storage systems. <i>Energy</i> , 2022 , 242, 122916	7.9	0
40	Solving real-size stochastic railway rapid transit network construction scheduling problems. <i>Computers and Operations Research</i> , 2022 , 138, 105600	4.6	0
39	Mathematical formulations for the bimodal bus-pedestrian social welfare network design problem. <i>Transportation Research Part B: Methodological</i> , 2021 , 145, 302-323	7.2	4
38	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	5.6	1
37	Impact of battery technological progress on electricity arbitrage: An application to the Iberian market. <i>Applied Energy</i> , 2020 , 260, 114273	10.7	14
36	Truck-drone team logistics: A heuristic approach to multi-drop route planning. <i>Transportation Research Part C: Emerging Technologies</i> , 2020 , 114, 657-680	8.4	49
35	Scheduling a dual-resource flexible job shop with makespan and due date-related criteria. <i>Annals of Operations Research</i> , 2020 , 291, 5-35	3.2	13
34	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	9	40
33	The railway rapid transit network construction scheduling problem. <i>Computers and Industrial Engineering</i> , 2019 , 138, 106075	6.4	4
32	Blackout risk mitigation by using medium size gas turbines. <i>Energy</i> , 2018 , 148, 32-48	7.9	1
31	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	0.4	3
30	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	3.6	7
29	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	9	28
28	The Railway Rapid Transit frequency setting problem with speed-dependent operation costs. <i>Transportation Research Part B: Methodological</i> , 2018 , 117, 494-519	7.2	11
27	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	3.2	8
26	Design of energy-Efficient timetables in two-way railway rapid transit lines. <i>Transportation Research Part B: Methodological</i> , 2017 , 102, 142-161	7.2	42
25	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	4.6	60

24	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	3.7	4
23	A short-turning policy for the management of demand disruptions in rapid transit systems. <i>Annals of Operations Research</i> , 2016 , 246, 145-166	3.2	36
22	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	7.2	28
21	A general rapid network design, line planning and fleet investment integrated model. <i>Annals of Operations Research</i> , 2016 , 246, 127-144	3.2	26
20	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, 1683-94	3.6	31
19	Counting and enumerating feasible rotating schedules by means of Gröner bases. <i>Mathematics and Computers in Simulation</i> , 2016 , 125, 139-151	3.3	4
18	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	9.3	14
17	Single-line rail rapid transit timetabling under dynamic passenger demand. <i>Transportation Research Part B: Methodological</i> , 2014 , 70, 134-150	7.2	138
16	A Rolling Stock Circulation Model for Railway Rapid Transit Systems. <i>Transportation Research Procedia</i> , 2014 , 3, 680-689	2.4	9
15	Design and analysis of demand-adapted railway timetables. <i>Journal of Advanced Transportation</i> , 2014 , 48, 119-137	1.9	75
14	Exact formulations and algorithm for the train timetabling problem with dynamic demand. <i>Computers and Operations Research</i> , 2014 , 44, 66-74	4.6	116
13	Railway Rapid Transit Timetables with Variable and Elastic Demand. <i>Procedia, Social and Behavioral Sciences</i> , 2014 , 111, 538-548		4
12	Macroscopic attraction-based simulation of pedestrian mobility: A dynamic individual route-choice approach. <i>European Journal of Operational Research</i> , 2013 , 231, 428-442	5.6	9
11	A methodology for schedule-based paths recommendation in multimodal public transportation networks. <i>Journal of Advanced Transportation</i> , 2013 , 47, 319-335	1.9	11
10	Optimal Train Reallocation Strategies under Service Disruptions. <i>Procedia, Social and Behavioral Sciences</i> , 2012 , 54, 402-413		24
9	Confrontation of Different Objectives in the determination of train scheduling. <i>Procedia, Social and Behavioral Sciences</i> , 2011 , 20, 302-312		16
8	Application of centralised DEA approach to capital budgeting in Spanish ports. <i>Computers and Industrial Engineering</i> , 2011 , 60, 455-465	6.4	68
7	Production Inventory and Enterprise System Implementation: An Ex-ante No-Cost Based Evaluation. <i>Lecture Notes in Business Information Processing</i> , 2010 , 291-303	0.6	1

6	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	3.2	21
5	A Hybrid VNS/Tabu Search Algorithm for Apportioning the European Parliament. <i>Lecture Notes in Computer Science</i> , 2006 , 284-292	0.9	1
4	Coordinated scheduling of production and delivery from multiple plants. <i>Robotics and Computer-Integrated Manufacturing</i> , 2004 , 20, 191-198	9.2	52
3	Manufacturing cell formation using a new self-organizing neural network. <i>Computers and Industrial Engineering</i> , 2002 , 42, 377-382	6.4	41
2	Machine grouping using sequence-based similarity coefficients and neural networks. <i>Robotics and Computer-Integrated Manufacturing</i> , 2001 , 17, 399-404	9.2	24
1	An Evolutionary Algorithm for the Design of Hybrid Fiber Optic-Coaxial Cable Networks in Small Urban Areas. <i>Lecture Notes in Computer Science</i> , 2001 , 749-756	0.9	1