Antonio P Antunes

List of Publications by Year
in descending order

| 76 papers | 2,373 citations | 257450

24

h-index | 223800

46

g-index |
|---|---|---|---|

78 all docs	78 docs citations	78 times ranked	2057 citing authors

#	Article	IF	Citations
1	A hybrid metaheuristic for smart waste collection problems with workload concerns. Computers and Operations Research, 2022, 137, 105518.	4.0	14
2	Cruise destination characteristics and performance: Application of a conceptual model to North Atlantic islands of Macaronesia. Research in Transportation Business and Management, 2022, 43, 100747.	2.9	6
3	A Cellular Automata Model for Integrated Simulation of Land Use and Transport Interactions. ISPRS International Journal of Geo-Information, 2021, 10, 149.	2.9	3
4	Longitudinal macro-analysis of car-use changes resulting from a TOD-type project: The case of Metro do Porto (Portugal). Journal of Transport Geography, 2021, 92, 103036.	5.0	18
5	Carsharing: A review of academic literature and business practices toward an integrated decision-support framework. Transportation Research, Part E: Logistics and Transportation Review, 2021, 149, 102280.	7.4	20
6	Towards a decision-support tool for airport slot allocation: Application to Guarulhos (Sao Paulo,)	4.5	7
7	Integrated flight scheduling and fleet assignment with improved supply-demand interactions. Transportation Research Part B: Methodological, 2021, 149, 162-180.	5.9	25
8	Intermodal Terminal Planning under Decentralized Management: Optimization Model for Rail-Road Terminals and Application to Portugal. Future Transportation, 2021, 1, 533-558.	2.3	2
9	Airline Network Planning: Mixed-integer non-convex optimization with demand–supply interactions. Transportation Research Part B: Methodological, 2021, 154, 100-124.	5.9	8
10	Transit-oriented development: A review of research achievements and challenges. Transportation Research, Part A: Policy and Practice, 2020, 132, 110-130.	4.2	132
11	Air connectivity and spatial effects: regional differences in Europe. Regional Studies, 2020, 54, 1748-1760.	4.4	11
12	Evaluating interregional freight accessibility conditions through the combination of centrality and reliability measures. Journal of Transport Geography, 2020, 83, 102665.	5.0	5
13	An optimization model for integrated transit-parking policy planning. Transportation, 2019, 46, 1867-1891.	4.0	9
14	Location of courts of justice: The making of the new judiciary map of Portugal. European Journal of Operational Research, 2019, 272, 608-620.	5.7	9
15	Improving slot allocation at Level 3 airports. Transportation Research, Part A: Policy and Practice, 2019, 127, 32-54.	4.2	5
16	A Robust Pairing Model for Airline Crew Scheduling. Transportation Science, 2019, 53, 1751-1771.	4.4	17
17	Modelling of Emissions and Energy Use from Biofuel Fuelled Vehicles at Urban Scale. Sustainability, 2019, 11, 2902.	3.2	12
18	Optimization-based study of the location of park-and-ride facilities. Transportation Planning and Technology, 2019, 42, 201-226.	2.0	16

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19	A Large-Scale Neighborhood Search Approach to Airport Slot Allocation. Transportation Science, 2019, 53, 1772-1797.	4.4	26
20	An optimization approach for airport slot allocation under IATA guidelines. Transportation Research Part B: Methodological, 2018, 112, 132-156.	5.9	74
21	Citizens' survey for the implementation of a new means of transport. Transportation Research Procedia, 2018, 33, 251-258.	1.5	3
22	Study on the evolution of the air transport network of the Azores. Transportation Research, Part A: Policy and Practice, 2018, 118, 837-851.	4.2	5
23	Applicability and calibration of an irregular cellular automata model for land use change. Computers, Environment and Urban Systems, 2017, 65, 93-102.	7.1	28
24	The airline long-haul fleet planning problem: The case of TAP service to/from Brazil. European Journal of Operational Research, 2017, 263, 639-651.	5.7	8
25	Adapted optimization model for planning regional wastewater systems: case study. Water Science and Technology, 2017, 76, 1196-1205.	2.5	11
26	PPP motorway ventures – an optimization model to locate interchanges with social welfare and private profit objectives. Transportmetrica A: Transport Science, 2016, 12, 832-852.	2.0	6
27	Integrated modelling approach for the evaluation of low emission zones. Journal of Environmental Management, 2016, 177, 253-263.	7.8	27
28	Optimizing station location and fleet composition for a high-speed rail line. Transportation Research, Part E: Logistics and Transportation Review, 2016, 93, 437-452.	7.4	23
29	Optimal location of battery electric vehicle charging stations in urban areas: A new approach. International Journal of Sustainable Transportation, 2016, 10, 393-405.	4.1	57
30	Planning and scheduling efficient heavy rail track maintenance through aÂDecision Rules Model. Research in Transportation Economics, 2015, 54, 20-32.	4.1	15
31	Long-term evolution of airport networks: Optimization model and its application to the United States. Transportation Research, Part E: Logistics and Transportation Review, 2015, 73, 17-46.	7.4	12
32	Planning regional wastewater systems across borders. Water Resources and Economics, 2014, 8, 4-15.	2.2	1
33	The Relationship between Population Dynamics and Urban Hierarchy. International Regional Science Review, 2014, 37, 149-171.	2.1	11
34	Socially-oriented flight scheduling and fleet assignment model with an application to Norway. Transportation Research Part B: Methodological, 2014, 61, 17-32.	5.9	39
35	Regional Wastewater System Planning under Population Dynamics Uncertainty. Journal of Water Resources Planning and Management - ASCE, 2014, 140, 322-331.	2.6	16
36	Siting and Sizing of Facilities under Probabilistic Demands. Journal of Optimization Theory and Applications, 2013, 158, 284-304.	1.5	0

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37	Integrated Flight Scheduling and Fleet Assignment Under Airport Congestion. Transportation Science, 2013, 47, 477-492.	4.4	50
38	Setting public service obligations in low-demand air transportation networks: Application to the Azores. Transportation Research, Part A: Policy and Practice, 2013, 54, 35-48.	4.2	15
39	Optimal Location of Railway Stations: The Lisbon-Porto High-Speed Rail Line. Transportation Science, 2013, 47, 330-343.	4.4	38
40	Modelo de localização ótima de estações ferroviárias: A futura linha de alta velocidade Lisboa-Porto. Transportes, 2013, 20, .	0.2	0
41	Optimization approach to depot location and trip selection in one-way carsharing systems. Transportation Research, Part E: Logistics and Transportation Review, 2012, 48, 233-247.	7.4	284
42	Robust optimization approach to regional wastewater system planning. Journal of Environmental Management, 2012, 109, 113-122.	7.8	22
43	Optimal Location of Charging Stations for Electric Vehicles in a Neighborhood in Lisbon, Portugal. Transportation Research Record, 2011, 2252, 91-98.	1.9	291
44	Siting and Sizing of Facilities under Probabilistic Demands. Journal of Optimization Theory and Applications, 2011, 149, 420-440.	1.5	1
45	Optimization Models for the Location of Motorway Interchanges: Concessionaires' Perspective. Journal of Transportation Engineering, 2011, 137, 962-970.	0.9	4
46	Interurban road network planning model with accessibility and robustness objectives. Transportation Planning and Technology, 2010, 33, 297-313.	2.0	40
47	Optimum Location of Motorway Interchanges: Users' Perspective. Journal of Transportation Engineering, 2010, 136, 956-963.	0.9	6
48	Multi-objective model for regional wastewater systems planning. Civil Engineering and Environmental Systems, 2010, 27, 95-106.	0.9	14
49	A cellular automata model based on irregular cells: application to small urban areas. Environment and Planning B: Planning and Design, 2010, 37, 1095-1114.	1.7	39
50	Road accessibility and cohesion in lagging regions: Empirical evidence from Portugal based on spatial econometric models. Journal of Transport Geography, 2010, 18, 125-132.	5.0	44
51	Integrated modeling of urban hierarchy and transportation network planning. Transportation Research, Part A: Policy and Practice, 2010, 44, 506-522.	4.2	24
52	Multiobjective Approach to Long-Term Interurban Multilevel Road Network Planning. Journal of Transportation Engineering, 2009, 135, 640-649.	0.9	17
53	An Efficient Simulated Annealing Algorithm for Regional Wastewater System Planning. Computer-Aided Civil and Infrastructure Engineering, 2009, 24, 359-370.	9.8	37
54	A Location Model for Urban Hierarchy Planning with Population Dynamics. Environment and Planning A, 2009, 41, 996-1016.	3.6	12

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55	Optimization Model for Integrated Regional Wastewater Systems Planning. Journal of Water Resources Planning and Management - ASCE, 2009, 135, 23-33.	2.6	31
56	Robust design of wastewater systems at regional level. WIT Transactions on Ecology and the Environment, 2009, , .	0.0	0
57	A hierarchical location model for public facility planning. European Journal of Operational Research, 2008, 185, 92-104.	5.7	128
58	Integrating Equity Objectives in a Road Network Design Model. Transportation Research Record, 2008, 2089, 35-42.	1.9	53
59	Managing solid waste through discrete location analysis: A case study in central Portugal. Journal of the Operational Research Society, 2008, 59, 1038-1046.	3.4	15
60	Social Infrastructure Planning: A Location Model and Solution Methods. Computer-Aided Civil and Infrastructure Engineering, 2007, 22, 570-583.	9.8	16
61	An Optimization-Based Study on the Redeployment of a Secondary School Network. Environment and Planning B: Planning and Design, 2007, 34, 296-315.	1.7	22
62	Siting and sizing the components of a regional wastewater system: a multiobjective approach. WIT Transactions on Ecology and the Environment, 2007, , .	0.0	1
63	Recyclable waste collection planning––a case study. European Journal of Operational Research, 2004, 158, 543-554.	5.7	109
64	Pavement management system for Lisbon. Proceedings of the Institution of Civil Engineers: Municipal Engineer, 2004, 157, 157-165.	0.7	22
65	An Accessibility-Maximization Approach to Road Network Planning. Computer-Aided Civil and Infrastructure Engineering, 2003, 18, 224-240.	9.8	38
66	Probabilistic Segment-linked Pavement Management Optimization Model. Journal of Transportation Engineering, 2002, 128, 568-577.	0.9	71
67	A Segment-linked Optimization Model for Deterministic Pavement Management Systems. International Journal of Pavement Engineering, 2002, 3, 95-105.	4.4	41
68	An Accessibility-Maximization Approach. Journal of Decision Systems, 2002, 11, 283-296.	3.2	4
69	A GIS-Based Decision-Support Tool for Public Facility Planning. Environment and Planning B: Planning and Design, 2002, 29, 553-569.	1.7	22
70	An optimization approach to wastewater systems planning at regional level. Journal of Hydroinformatics, 2002, 4, 115-123.	2.4	23
71	On solving complex multi-period location models using simulated annealing. European Journal of Operational Research, 2001, 130, 190-201.	5.7	78
72	A dynamic optimization model for school network planning. Socio-Economic Planning Sciences, 2000, 34, 101-120.	5.0	46

#	ARTICLE	IF	CITATIONS
73	ON SOLVING PUBLIC FACILITY PLANNING PROBLEMS USING GENERAL MIXED-INTEGER PROGRAMMING METHODS. Engineering Optimization, 2000, 32, 439-461.	2.6	1
74	Location Analysis Helps Manage Solid Waste in Central Portugal. Interfaces, 1999, 29, 32-43.	1.5	25
75	Fast Serious Analogue Games in Planning: The Role of Non-Player Participants. Simulation and Gaming, 0, , 104687812110736.	1.9	4
76	A solution methodology for a Smart Waste Collection Routing Problem with workload concerns: computational and managerial insights from a real case study. International Journal of Systems Science: Operations and Logistics, 0, , 1-31.	3.0	4