

# Antonio P Antunes

## List of Publications by Year in descending order

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76  
papers

2,373  
citations

257101

24  
h-index

223531

46  
g-index

78  
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78  
docs citations

78  
times ranked

2057  
citing authors

#	ARTICLE	IF	CITATIONS
1	A hybrid metaheuristic for smart waste collection problems with workload concerns. <i>Computers and Operations Research</i> , 2022, 137, 105518.	2.4	14
2	Cruise destination characteristics and performance: Application of a conceptual model to North Atlantic islands of Macaronesia. <i>Research in Transportation Business and Management</i> , 2022, 43, 100747.	1.6	6
3	A Cellular Automata Model for Integrated Simulation of Land Use and Transport Interactions. <i>ISPRS International Journal of Geo-Information</i> , 2021, 10, 149.	1.4	3
4	Longitudinal macro-analysis of car-use changes resulting from a TOD-type project: The case of Metro do Porto (Portugal). <i>Journal of Transport Geography</i> , 2021, 92, 103036.	2.3	18
5	Carsharing: A review of academic literature and business practices toward an integrated decision-support framework. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2021, 149, 102280.	3.7	20
6	Towards a decision-support tool for airport slot allocation: Application to Guarulhos (Sao Paulo, Brazil). <i>Transportation Research Part B: Methodological</i> , 2021, 149, 162-180.	2.4	7
7	Integrated flight scheduling and fleet assignment with improved supply-demand interactions. <i>Transportation Research Part B: Methodological</i> , 2021, 149, 162-180.	2.8	25
8	Intermodal Terminal Planning under Decentralized Management: Optimization Model for Rail-Road Terminals and Application to Portugal. <i>Future Transportation</i> , 2021, 1, 533-558.	1.3	2
9	Airline Network Planning: Mixed-integer non-convex optimization with demand-supply interactions. <i>Transportation Research Part B: Methodological</i> , 2021, 154, 100-124.	2.8	8
10	Transit-oriented development: A review of research achievements and challenges. <i>Transportation Research, Part A: Policy and Practice</i> , 2020, 132, 110-130.	2.0	132
11	Air connectivity and spatial effects: regional differences in Europe. <i>Regional Studies</i> , 2020, 54, 1748-1760.	2.5	11
12	Evaluating interregional freight accessibility conditions through the combination of centrality and reliability measures. <i>Journal of Transport Geography</i> , 2020, 83, 102665.	2.3	5
13	An optimization model for integrated transit-parking policy planning. <i>Transportation</i> , 2019, 46, 1867-1891.	2.1	9
14	Location of courts of justice: The making of the new judiciary map of Portugal. <i>European Journal of Operational Research</i> , 2019, 272, 608-620.	3.5	9
15	Improving slot allocation at Level 3 airports. <i>Transportation Research, Part A: Policy and Practice</i> , 2019, 127, 32-54.	2.0	5
16	A Robust Pairing Model for Airline Crew Scheduling. <i>Transportation Science</i> , 2019, 53, 1751-1771.	2.6	17
17	Modelling of Emissions and Energy Use from Biofuel Fuelled Vehicles at Urban Scale. <i>Sustainability</i> , 2019, 11, 2902.	1.6	12
18	Optimization-based study of the location of park-and-ride facilities. <i>Transportation Planning and Technology</i> , 2019, 42, 201-226.	0.9	16

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19	A Large-Scale Neighborhood Search Approach to Airport Slot Allocation. <i>Transportation Science</i> , 2019, 53, 1772-1797.	2.6	26
20	An optimization approach for airport slot allocation under IATA guidelines. <i>Transportation Research Part B: Methodological</i> , 2018, 112, 132-156.	2.8	74
21	Citizensâ€™ survey for the implementation of a new means of transport. <i>Transportation Research Procedia</i> , 2018, 33, 251-258.	0.8	3
22	Study on the evolution of the air transport network of the Azores. <i>Transportation Research, Part A: Policy and Practice</i> , 2018, 118, 837-851.	2.0	5
23	Applicability and calibration of an irregular cellular automata model for land use change. <i>Computers, Environment and Urban Systems</i> , 2017, 65, 93-102.	3.3	28
24	The airline long-haul fleet planning problem: The case of TAP service to/from Brazil. <i>European Journal of Operational Research</i> , 2017, 263, 639-651.	3.5	8
25	Adapted optimization model for planning regional wastewater systems: case study. <i>Water Science and Technology</i> , 2017, 76, 1196-1205.	1.2	11
26	PPP motorway ventures â€“ an optimization model to locate interchanges with social welfare and private profit objectives. <i>Transportmetrica A: Transport Science</i> , 2016, 12, 832-852.	1.3	6
27	Integrated modelling approach for the evaluation of low emission zones. <i>Journal of Environmental Management</i> , 2016, 177, 253-263.	3.8	27
28	Optimizing station location and fleet composition for a high-speed rail line. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2016, 93, 437-452.	3.7	23
29	Optimal location of battery electric vehicle charging stations in urban areas: A new approach. <i>International Journal of Sustainable Transportation</i> , 2016, 10, 393-405.	2.1	57
30	Planning and scheduling efficient heavy rail track maintenance through a Decision Rules Model. <i>Research in Transportation Economics</i> , 2015, 54, 20-32.	2.2	15
31	Long-term evolution of airport networks: Optimization model and its application to the United States. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2015, 73, 17-46.	3.7	12
32	Planning regional wastewater systems across borders. <i>Water Resources and Economics</i> , 2014, 8, 4-15.	0.9	1
33	The Relationship between Population Dynamics and Urban Hierarchy. <i>International Regional Science Review</i> , 2014, 37, 149-171.	1.0	11
34	Socially-oriented flight scheduling and fleet assignment model with an application to Norway. <i>Transportation Research Part B: Methodological</i> , 2014, 61, 17-32.	2.8	39
35	Regional Wastewater System Planning under Population Dynamics Uncertainty. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2014, 140, 322-331.	1.3	16
36	Siting and Sizing of Facilities under Probabilistic Demands. <i>Journal of Optimization Theory and Applications</i> , 2013, 158, 284-304.	0.8	0

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37	Integrated Flight Scheduling and Fleet Assignment Under Airport Congestion. <i>Transportation Science</i> , 2013, 47, 477-492.	2.6	50
38	Setting public service obligations in low-demand air transportation networks: Application to the Azores. <i>Transportation Research, Part A: Policy and Practice</i> , 2013, 54, 35-48.	2.0	15
39	Optimal Location of Railway Stations: The Lisbon-Porto High-Speed Rail Line. <i>Transportation Science</i> , 2013, 47, 330-343.	2.6	38
40	Modelo de localizaço e sítima de estaçes ferrovirias: A futura linha de alta velocidade Lisboa-Porto. <i>Transportes</i> , 2013, 20, .	0.3	0
41	Optimization approach to depot location and trip selection in one-way carsharing systems. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2012, 48, 233-247.	3.7	284
42	Robust optimization approach to regional wastewater system planning. <i>Journal of Environmental Management</i> , 2012, 109, 113-122.	3.8	22
43	Optimal Location of Charging Stations for Electric Vehicles in a Neighborhood in Lisbon, Portugal. <i>Transportation Research Record</i> , 2011, 2252, 91-98.	1.0	291
44	Siting and Sizing of Facilities under Probabilistic Demands. <i>Journal of Optimization Theory and Applications</i> , 2011, 149, 420-440.	0.8	1
45	Optimization Models for the Location of Motorway Interchanges: Concessionaires Perspective. <i>Journal of Transportation Engineering</i> , 2011, 137, 962-970.	0.9	4
46	Interurban road network planning model with accessibility and robustness objectives. <i>Transportation Planning and Technology</i> , 2010, 33, 297-313.	0.9	40
47	Optimum Location of Motorway Interchanges: Users Perspective. <i>Journal of Transportation Engineering</i> , 2010, 136, 956-963.	0.9	6
48	Multi-objective model for regional wastewater systems planning. <i>Civil Engineering and Environmental Systems</i> , 2010, 27, 95-106.	0.4	14
49	A cellular automata model based on irregular cells: application to small urban areas. <i>Environment and Planning B: Planning and Design</i> , 2010, 37, 1095-1114.	1.7	39
50	Road accessibility and cohesion in lagging regions: Empirical evidence from Portugal based on spatial econometric models. <i>Journal of Transport Geography</i> , 2010, 18, 125-132.	2.3	44
51	Integrated modeling of urban hierarchy and transportation network planning. <i>Transportation Research, Part A: Policy and Practice</i> , 2010, 44, 506-522.	2.0	24
52	Multiobjective Approach to Long-Term Interurban Multilevel Road Network Planning. <i>Journal of Transportation Engineering</i> , 2009, 135, 640-649.	0.9	17
53	An Efficient Simulated Annealing Algorithm for Regional Wastewater System Planning. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2009, 24, 359-370.	6.3	37
54	A Location Model for Urban Hierarchy Planning with Population Dynamics. <i>Environment and Planning A</i> , 2009, 41, 996-1016.	2.1	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.	1.3	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.	3.5	128
58	Integrating Equity Objectives in a Road Network Design Model. Transportation Research Record, 2008, 2089, 35-42.	1.0	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.	2.1	15
60	Social Infrastructure Planning: A Location Model and Solution Methods. Computer-Aided Civil and Infrastructure Engineering, 2007, 22, 570-583.	6.3	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 planningâ€”a case study. European Journal of Operational Research, 2004, 158, 543-554.	3.5	109
64	Pavement management system for Lisbon. Proceedings of the Institution of Civil Engineers: Municipal Engineer, 2004, 157, 157-165.	0.4	22
65	An Accessibility-Maximization Approach to Road Network Planning. Computer-Aided Civil and Infrastructure Engineering, 2003, 18, 224-240.	6.3	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.	2.2	41
68	An Accessibility-Maximization Approach. Journal of Decision Systems, 2002, 11, 283-296.	2.2	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.	1.1	23
71	On solving complex multi-period location models using simulated annealing. European Journal of Operational Research, 2001, 130, 190-201.	3.5	78
72	A dynamic optimization model for school network planning. Socio-Economic Planning Sciences, 2000, 34, 101-120.	2.5	46

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73	ON SOLVING PUBLIC FACILITY PLANNING PROBLEMS USING GENERAL MIXED-INTEGER PROGRAMMING METHODS. <i>Engineering Optimization</i> , 2000, 32, 439-461.	1.5	1
74	Location Analysis Helps Manage Solid Waste in Central Portugal. <i>Interfaces</i> , 1999, 29, 32-43.	1.6	25
75	Fast Serious Analogue Games in Planning: The Role of Non-Player Participants. <i>Simulation and Gaming</i> , 0, , 104687812110736.	1.2	4
76	A solution methodology for a Smart Waste Collection Routing Problem with workload concerns: computational and managerial insights from a real case study. <i>International Journal of Systems Science: Operations and Logistics</i> , 0, , 1-31.	2.0	4