

# 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  
all docs

78  
docs citations

78  
times ranked

2057  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Location of Charging Stations for Electric Vehicles in a Neighborhood in Lisbon, Portugal. Transportation Research Record, 2011, 2252, 91-98.	1.0	291
2	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.	3.7	284
3	Transit-oriented development: A review of research achievements and challenges. Transportation Research, Part A: Policy and Practice, 2020, 132, 110-130.	2.0	132
4	A hierarchical location model for public facility planning. European Journal of Operational Research, 2008, 185, 92-104.	3.5	128
5	Recyclable waste collection planning—a case study. European Journal of Operational Research, 2004, 158, 543-554.	3.5	109
6	On solving complex multi-period location models using simulated annealing. European Journal of Operational Research, 2001, 130, 190-201.	3.5	78
7	An optimization approach for airport slot allocation under IATA guidelines. Transportation Research Part B: Methodological, 2018, 112, 132-156.	2.8	74
8	Probabilistic Segment-linked Pavement Management Optimization Model. Journal of Transportation Engineering, 2002, 128, 568-577.	0.9	71
9	Optimal location of battery electric vehicle charging stations in urban areas: A new approach. International Journal of Sustainable Transportation, 2016, 10, 393-405.	2.1	57
10	Integrating Equity Objectives in a Road Network Design Model. Transportation Research Record, 2008, 2089, 35-42.	1.0	53
11	Integrated Flight Scheduling and Fleet Assignment Under Airport Congestion. Transportation Science, 2013, 47, 477-492.	2.6	50
12	A dynamic optimization model for school network planning. Socio-Economic Planning Sciences, 2000, 34, 101-120.	2.5	46
13	Road accessibility and cohesion in lagging regions: Empirical evidence from Portugal based on spatial econometric models. Journal of Transport Geography, 2010, 18, 125-132.	2.3	44
14	A Segment-linked Optimization Model for Deterministic Pavement Management Systems. International Journal of Pavement Engineering, 2002, 3, 95-105.	2.2	41
15	Interurban road network planning model with accessibility and robustness objectives. Transportation Planning and Technology, 2010, 33, 297-313.	0.9	40
16	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
17	Socially-oriented flight scheduling and fleet assignment model with an application to Norway. Transportation Research Part B: Methodological, 2014, 61, 17-32.	2.8	39
18	An Accessibility-Maximization Approach to Road Network Planning. Computer-Aided Civil and Infrastructure Engineering, 2003, 18, 224-240.	6.3	38

#	ARTICLE	IF	CITATIONS
19	Optimal Location of Railway Stations: The Lisbon-Porto High-Speed Rail Line. <i>Transportation Science</i> , 2013, 47, 330-343.	2.6	38
20	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
21	Optimization Model for Integrated Regional Wastewater Systems Planning. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2009, 135, 23-33.	1.3	31
22	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
23	Integrated modelling approach for the evaluation of low emission zones. <i>Journal of Environmental Management</i> , 2016, 177, 253-263.	3.8	27
24	A Large-Scale Neighborhood Search Approach to Airport Slot Allocation. <i>Transportation Science</i> , 2019, 53, 1772-1797.	2.6	26
25	Location Analysis Helps Manage Solid Waste in Central Portugal. <i>Interfaces</i> , 1999, 29, 32-43.	1.6	25
26	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
27	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
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	An optimization approach to wastewater systems planning at regional level. <i>Journal of Hydroinformatics</i> , 2002, 4, 115-123.	1.1	23
30	A GIS-Based Decision-Support Tool for Public Facility Planning. <i>Environment and Planning B: Planning and Design</i> , 2002, 29, 553-569.	1.7	22
31	Pavement management system for Lisbon. <i>Proceedings of the Institution of Civil Engineers: Municipal Engineer</i> , 2004, 157, 157-165.	0.4	22
32	An Optimization-Based Study on the Redeployment of a Secondary School Network. <i>Environment and Planning B: Planning and Design</i> , 2007, 34, 296-315.	1.7	22
33	Robust optimization approach to regional wastewater system planning. <i>Journal of Environmental Management</i> , 2012, 109, 113-122.	3.8	22
34	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
35	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
36	Multiobjective Approach to Long-Term Interurban Multilevel Road Network Planning. <i>Journal of Transportation Engineering</i> , 2009, 135, 640-649.	0.9	17

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37	A Robust Pairing Model for Airline Crew Scheduling. <i>Transportation Science</i> , 2019, 53, 1751-1771.	2.6	17
38	Social Infrastructure Planning: A Location Model and Solution Methods. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2007, 22, 570-583.	6.3	16
39	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
40	Optimization-based study of the location of park-and-ride facilities. <i>Transportation Planning and Technology</i> , 2019, 42, 201-226.	0.9	16
41	Managing solid waste through discrete location analysis: A case study in central Portugal. <i>Journal of the Operational Research Society</i> , 2008, 59, 1038-1046.	2.1	15
42	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
43	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
44	Multi-objective model for regional wastewater systems planning. <i>Civil Engineering and Environmental Systems</i> , 2010, 27, 95-106.	0.4	14
45	A hybrid metaheuristic for smart waste collection problems with workload concerns. <i>Computers and Operations Research</i> , 2022, 137, 105518.	2.4	14
46	A Location Model for Urban Hierarchy Planning with Population Dynamics. <i>Environment and Planning A</i> , 2009, 41, 996-1016.	2.1	12
47	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
48	Modelling of Emissions and Energy Use from Biofuel Fuelled Vehicles at Urban Scale. <i>Sustainability</i> , 2019, 11, 2902.	1.6	12
49	The Relationship between Population Dynamics and Urban Hierarchy. <i>International Regional Science Review</i> , 2014, 37, 149-171.	1.0	11
50	Adapted optimization model for planning regional wastewater systems: case study. <i>Water Science and Technology</i> , 2017, 76, 1196-1205.	1.2	11
51	Air connectivity and spatial effects: regional differences in Europe. <i>Regional Studies</i> , 2020, 54, 1748-1760.	2.5	11
52	An optimization model for integrated transit-parking policy planning. <i>Transportation</i> , 2019, 46, 1867-1891.	2.1	9
53	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
54	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

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55	Airline Network Planning: Mixed-integer non-convex optimization with demand–supply interactions. Transportation Research Part B: Methodological, 2021, 154, 100-124.	2.8	8
56	Towards a decision-support tool for airport slot allocation: Application to Guarulhos (Sao Paulo), Tj ETQq0 0 0 rgBT, Overlock, 10 Tf 50 7	2.4	7
57	Optimum Location of Motorway Interchanges: Users–™ Perspective. Journal of Transportation Engineering, 2010, 136, 956-963.	0.9	6
58	PPP motorway ventures – an optimization model to locate interchanges with social welfare and private profit objectives. Transportmetrica A: Transport Science, 2016, 12, 832-852.	1.3	6
59	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.	1.6	6
60	Study on the evolution of the air transport network of the Azores. Transportation Research, Part A: Policy and Practice, 2018, 118, 837-851.	2.0	5
61	Improving slot allocation at Level 3 airports. Transportation Research, Part A: Policy and Practice, 2019, 127, 32-54.	2.0	5
62	Evaluating interregional freight accessibility conditions through the combination of centrality and reliability measures. Journal of Transport Geography, 2020, 83, 102665.	2.3	5
63	An Accessibility-Maximization Approach. Journal of Decision Systems, 2002, 11, 283-296.	2.2	4
64	Optimization Models for the Location of Motorway Interchanges: Concessionaires–™ Perspective. Journal of Transportation Engineering, 2011, 137, 962-970.	0.9	4
65	Fast Serious Analogue Games in Planning: The Role of Non-Player Participants. Simulation and Gaming, 0, , 104687812110736.	1.2	4
66	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.	2.0	4
67	Citizens–™ survey for the implementation of a new means of transport. Transportation Research Procedia, 2018, 33, 251-258.	0.8	3
68	A Cellular Automata Model for Integrated Simulation of Land Use and Transport Interactions. ISPRS International Journal of Geo-Information, 2021, 10, 149.	1.4	3
69	Intermodal Terminal Planning under Decentralized Management: Optimization Model for Rail-Road Terminals and Application to Portugal. Future Transportation, 2021, 1, 533-558.	1.3	2
70	ON SOLVING PUBLIC FACILITY PLANNING PROBLEMS USING GENERAL MIXED-INTEGER PROGRAMMING METHODS. Engineering Optimization, 2000, 32, 439-461.	1.5	1
71	Siting and Sizing of Facilities under Probabilistic Demands. Journal of Optimization Theory and Applications, 2011, 149, 420-440.	0.8	1
72	Planning regional wastewater systems across borders. Water Resources and Economics, 2014, 8, 4-15.	0.9	1

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73	Siting and sizing the components of a regional wastewater system: a multiobjective approach. WIT Transactions on Ecology and the Environment, 2007, , .	0.0	1
74	Siting and Sizing of Facilities under Probabilistic Demands. Journal of Optimization Theory and Applications, 2013, 158, 284-304.	0.8	0
75	Robust design of wastewater systems at regional level. WIT Transactions on Ecology and the Environment, 2009, , .	0.0	0
76	Modelo de localizaço e stima de estaçes ferrovirias: A futura linha de alta velocidade Lisboa-Porto. Transportes, 2013, 20, .	0.3	0