

# Antonio Alonso-Ayuso

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

1,309  
citations

331259

21  
h-index

360668

35  
g-index

54  
all docs

54  
docs citations

54  
times ranked

941  
citing authors

#	ARTICLE	IF	CITATIONS
1	Title is missing!. Journal of Global Optimization, 2003, 26, 97-124.	1.1	189
2	BFC, A branch-and-fix coordination algorithmic framework for solving some types of stochastic pure and mixed 0-1 programs. European Journal of Operational Research, 2003, 151, 503-519.	3.5	90
3	Collision Avoidance in Air Traffic Management: A Mixed-Integer Linear Optimization Approach. IEEE Transactions on Intelligent Transportation Systems, 2011, 12, 47-57.	4.7	89
4	VARIABLE NEIGHBORHOOD SEARCH FOR ORDER BATCHING IN A WAREHOUSE. Asia-Pacific Journal of Operational Research, 2009, 26, 655-683.	0.9	62
5	On air traffic flow management with rerouting. Part II: Stochastic case. European Journal of Operational Research, 2012, 219, 167-177.	3.5	60
6	Variable Neighborhood Search strategies for the Order Batching Problem. Computers and Operations Research, 2017, 78, 500-512.	2.4	55
7	On air traffic flow management with rerouting. Part I: Deterministic case. European Journal of Operational Research, 2012, 219, 156-166.	3.5	50
8	A stochastic 0-1 program based approach for the air traffic flow management problem. European Journal of Operational Research, 2000, 120, 47-62.	3.5	48
9	Medium range optimization of copper extraction planning under uncertainty in future copper prices. European Journal of Operational Research, 2014, 233, 711-726.	3.5	48
10	Fix-and-Relax-Coordination for a multi-period location-allocation problem under uncertainty. Computers and Operations Research, 2013, 40, 2878-2892.	2.4	46
11	Risk management for forestry planning under uncertainty in demand and prices. European Journal of Operational Research, 2018, 267, 1051-1074.	3.5	40
12	A mixed 0-1 nonlinear optimization model and algorithmic approach for the collision avoidance in ATM: Velocity changes through a time horizon. Computers and Operations Research, 2012, 39, 3136-3146.	2.4	34
13	Multiobjective optimization for aircraft conflict resolution. A metaheuristic approach. European Journal of Operational Research, 2016, 248, 691-702.	3.5	34
14	Forestry management under uncertainty. Annals of Operations Research, 2011, 190, 17-39.	2.6	33
15	Exact and Approximate Solving of the Aircraft Collision Resolution Problem via Turn Changes. Transportation Science, 2016, 50, 263-274.	2.6	31
16	Semi-Lagrangian relaxation applied to the uncapacitated facility location problem. Computational Optimization and Applications, 2012, 51, 387-409.	0.9	29
17	A VNS metaheuristic for solving the aircraft conflict detection and resolution problem by performing turn changes. Journal of Global Optimization, 2015, 63, 583-596.	1.1	29
18	A multi-stage stochastic optimization model for energy systems planning and risk management. Energy and Buildings, 2016, 110, 49-56.	3.1	28

#	ARTICLE	IF	CITATIONS
19	On the product selection and plant dimensioning problem under uncertainty. <i>Omega</i> , 2005, 33, 307-318.	3.6	27
20	Two alternative models for farm management: Discrete versus continuous time horizon. <i>European Journal of Operational Research</i> , 2003, 144, 613-628.	3.5	26
21	Conflict avoidance: 0-1 linear models for conflict detection & resolution. <i>Top</i> , 2013, 21, 485-504.	1.1	25
22	An exact multi-objective mixed integer nonlinear optimization approach for aircraft conflict resolution. <i>Top</i> , 2016, 24, 381-408.	1.1	23
23	On modeling the air traffic control coordination in the collision avoidance problem by mixed integer linear optimization. <i>Annals of Operations Research</i> , 2014, 222, 89-105.	2.6	21
24	On a stochastic sequencing and scheduling problem. <i>Computers and Operations Research</i> , 2007, 34, 2604-2624.	2.4	20
25	A Combinatorial model to optimize air traffic flow management problems. <i>Computers and Operations Research</i> , 2019, 112, 104768.	2.4	20
26	A computational comparison of several formulations for the multi-period incremental service facility location problem. <i>Top</i> , 2010, 18, 62-80.	1.1	16
27	General Variable Neighborhood Search applied to the picking process in a warehouse. <i>Electronic Notes in Discrete Mathematics</i> , 2015, 47, 77-84.	0.4	16
28	A branch-and-cluster coordination scheme for selecting prison facility sites under uncertainty. <i>Computers and Operations Research</i> , 2012, 39, 2232-2241.	2.4	15
29	Production planning of supply chains in the pig industry. <i>Computers and Electronics in Agriculture</i> , 2019, 161, 72-78.	3.7	14
30	On dealing with strategic and tactical decision levels in forestry planning under uncertainty. <i>Computers and Operations Research</i> , 2020, 115, 104836.	2.4	12
31	A heuristic approach for the online order batching problem with multiple pickers. <i>Computers and Industrial Engineering</i> , 2021, 160, 107517.	3.4	11
32	On solving the multi-period single-sourcing problem under uncertainty. <i>Computational Management Science</i> , 2006, 3, 29-53.	0.8	10
33	GRASP with Variable Neighborhood Descent for the online order batching problem. <i>Journal of Global Optimization</i> , 2020, 78, 295-325.	1.1	10
34	On a selection and scheduling problem in automatic storage and retrieval warehouses. <i>International Journal of Production Research</i> , 2013, 51, 5337-5353.	4.9	7
35	On SIP algorithms for minimizing the mean-risk function in the multi-period single-source problem under uncertainty. <i>Annals of Operations Research</i> , 2009, 166, 223-242.	2.6	5
36	On the aircraft conflict resolution problem: A VNS approach in a multiobjective framework. <i>Electronic Notes in Discrete Mathematics</i> , 2017, 58, 151-158.	0.4	5

#	ARTICLE	IF	CITATIONS
37	On Dual Based Lower Bounds for the Sequential Ordering Problem with Precedences and Due Dates. Annals of Operations Research, 2003, 124, 111-131.	2.6	4
38	Fixed versus variable time window warehousing strategies in real time. Progress in Artificial Intelligence, 2020, 9, 315-324.	1.5	4
39	Basic VNS for a Variant of the Online Order Batching Problem. Lecture Notes in Computer Science, 2020, , 17-36.	1.0	4
40	VNS based algorithm for solving a 0-1 nonlinear nonconvex model for the Collision Avoidance in Air Traffic Management. Electronic Notes in Discrete Mathematics, 2012, 39, 115-120.	0.4	3
41	A solution method for the shared resource-constrained multi-shortest path problem. Expert Systems With Applications, 2021, 182, 115193.	4.4	3
42	An exact model for a slitting problem in the steel industry. European Journal of Operational Research, 2021, 295, 336-347.	3.5	3
43	Structuring Bilateral Energy Contract Portfolios in Competitive Markets. Profiles in Operations Research, 2011, , 203-226.	0.3	3
44	Optimization instances for deterministic and stochastic problems on energy efficient investments planning at the building level. Data in Brief, 2015, 5, 805-809.	0.5	2
45	Introduction to the special issue on APMOD06. Annals of Operations Research, 2009, 166, 1-4.	2.6	1
46	IWOR: tribute to Professor Laureano F. Escudero on the occasion of his 65th birthday. Top, 2009, 17, 1-4.	1.1	0
47	Addendum to the paper entitled "A mixed 0-1 nonlinear optimization model and algorithmic approach for the collision avoidance in ATM: Velocity changes through a time horizon". Computers and Operations Research, 2013, 40, 520.	2.4	0
48	Special issue on the 13th international conference on computational management science. Computational Management Science, 2017, 14, 461-463.	0.8	0
49	Facilities Relocation in the Retail Sector: A Mixed 0-1 Nonlinear Optimization Model and Its Linear Reformulation. Mathematics, 2020, 8, 1986.	1.1	0
50	Essays on OR in ALIO country members (part 1). Top, 2020, 28, 545-548.	1.1	0
51	Essays on OR in ALIO country members (part 2). Top, 2021, 29, 1-4.	1.1	0
52	ENHANCING STATISTICAL CONCEPTS TEACHING THROUGH INNOVATIVE INTERACTIVE APPLICATIONS. EDULEARN Proceedings, 2022, , .	0.0	0