

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	ENHANCING STATISTICAL CONCEPTS TEACHING THROUGH INNOVATIVE INTERACTIVE APPLICATIONS. EDULEARN Proceedings, 2022, , .	0.0	0
2	Essays on OR in ALIO country members (part 2). Top, 2021, 29, 1-4.	1.1	0
3	A heuristic approach for the online order batching problem with multiple pickers. Computers and Industrial Engineering, 2021, 160, 107517.	3.4	11
4	A solution method for the shared resource-constrained multi-shortest path problem. Expert Systems With Applications, 2021, 182, 115193.	4.4	3
5	An exact model for a slitting problem in the steel industry. European Journal of Operational Research, 2021, 295, 336-347.	3.5	3
6	On dealing with strategic and tactical decision levels in forestry planning under uncertainty. Computers and Operations Research, 2020, 115, 104836.	2.4	12
7	Facilities Delocation in the Retail Sector: A Mixed 0-1 Nonlinear Optimization Model and Its Linear Reformulation. Mathematics, 2020, 8, 1986.	1.1	0
8	Essays on OR in ALIO country members (part 1). Top, 2020, 28, 545-548.	1.1	0
9	Fixed versus variable time window warehousing strategies in real time. Progress in Artificial Intelligence, 2020, 9, 315-324.	1.5	4
10	GRASP with Variable Neighborhood Descent for the online order batching problem. Journal of Global Optimization, 2020, 78, 295-325.	1.1	10
11	Basic VNS for a Variant of the Online Order Batching Problem. Lecture Notes in Computer Science, 2020, , 17-36.	1.0	4
12	A Combinatorial model to optimize air traffic flow management problems. Computers and Operations Research, 2019, 112, 104768.	2.4	20
13	Production planning of supply chains in the pig industry. Computers and Electronics in Agriculture, 2019, 161, 72-78.	3.7	14
14	Risk management for forestry planning under uncertainty in demand and prices. European Journal of Operational Research, 2018, 267, 1051-1074.	3.5	40
15	On the aircraft conflict resolution problem: A VNS approach in a multiobjective framework. Electronic Notes in Discrete Mathematics, 2017, 58, 151-158.	0.4	5
16	Variable Neighborhood Search strategies for the Order Batching Problem. Computers and Operations Research, 2017, 78, 500-512.	2.4	55
17	Special issue on the 13th international conference on computational management science. Computational Management Science, 2017, 14, 461-463.	0.8	0
18	An exact multi-objective mixed integer nonlinear optimization approach for aircraft conflict resolution. Top, 2016, 24, 381-408.	1.1	23

#	ARTICLE	IF	CITATIONS
19	Exact and Approximate Solving of the Aircraft Collision Resolution Problem via Turn Changes. <i>Transportation Science</i> , 2016, 50, 263-274.	2.6	31
20	A multi-stage stochastic optimization model for energy systems planning and risk management. <i>Energy and Buildings</i> , 2016, 110, 49-56.	3.1	28
21	Multiobjective optimization for aircraft conflict resolution. A metaheuristic approach. <i>European Journal of Operational Research</i> , 2016, 248, 691-702.	3.5	34
22	Optimization instances for deterministic and stochastic problems on energy efficient investments planning at the building level. <i>Data in Brief</i> , 2015, 5, 805-809.	0.5	2
23	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
24	A VNS metaheuristic for solving the aircraft conflict detection and resolution problem by performing turn changes. <i>Journal of Global Optimization</i> , 2015, 63, 583-596.	1.1	29
25	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
26	Medium range optimization of copper extraction planning under uncertainty in future copper prices. <i>European Journal of Operational Research</i> , 2014, 233, 711-726.	3.5	48
27	Conflict avoidance: 0-1 linear models for conflict detection & resolution. <i>Top</i> , 2013, 21, 485-504.	1.1	25
28	Fix-and-Relax-Coordination for a multi-period location allocation problem under uncertainty. <i>Computers and Operations Research</i> , 2013, 40, 2878-2892.	2.4	46
29	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". <i>Computers and Operations Research</i> , 2013, 40, 520.	2.4	0
30	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
31	A mixed 0-1 nonlinear optimization model and algorithmic approach for the collision avoidance in ATM: Velocity changes through a time horizon. <i>Computers and Operations Research</i> , 2012, 39, 3136-3146.	2.4	34
32	VNS based algorithm for solving a 0-1 nonlinear nonconvex model for the Collision Avoidance in Air Traffic Management. <i>Electronic Notes in Discrete Mathematics</i> , 2012, 39, 115-120.	0.4	3
33	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
34	On air traffic flow management with rerouting. Part I: Deterministic case. <i>European Journal of Operational Research</i> , 2012, 219, 156-166.	3.5	50
35	On air traffic flow management with rerouting. Part II: Stochastic case. <i>European Journal of Operational Research</i> , 2012, 219, 167-177.	3.5	60
36	Semi-Lagrangian relaxation applied to the uncapacitated facility location problem. <i>Computational Optimization and Applications</i> , 2012, 51, 387-409.	0.9	29

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37	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
38	Forestry management under uncertainty. Annals of Operations Research, 2011, 190, 17-39.	2.6	33
39	Structuring Bilateral Energy Contract Portfolios in Competitive Markets. Profiles in Operations Research, 2011, , 203-226.	0.3	3
40	A computational comparison of several formulations for the multi-period incremental service facility location problem. Top, 2010, 18, 62-80.	1.1	16
41	VARIABLE NEIGHBORHOOD SEARCH FOR ORDER BATCHING IN A WAREHOUSE. Asia-Pacific Journal of Operational Research, 2009, 26, 655-683.	0.9	62
42	On SIP algorithms for minimizing the mean-risk function in the multi-period single-source problem under uncertainty. Annals of Operations Research, 2009, 166, 223-242.	2.6	5
43	Introduction to the special issue on APMOD06. Annals of Operations Research, 2009, 166, 1-4.	2.6	1
44	IWOR: tribute to Professor Laureano F. Escudero on occasion of his 65th birthday. Top, 2009, 17, 1-4.	1.1	0
45	On a stochastic sequencing and scheduling problem. Computers and Operations Research, 2007, 34, 2604-2624.	2.4	20
46	On solving the multi-period single-sourcing problem under uncertainty. Computational Management Science, 2006, 3, 29-53.	0.8	10
47	On the product selection and plant dimensioning problem under uncertainty. Omega, 2005, 33, 307-318.	3.6	27
48	Title is missing!. Journal of Global Optimization, 2003, 26, 97-124.	1.1	189
49	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
50	Two alternative models for farm management: Discrete versus continuous time horizon. European Journal of Operational Research, 2003, 144, 613-628.	3.5	26
51	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
52	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