

Andrea D'Ariano

List of Publications by Year in descending order

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66
papers

3,084
citations

172207

29
h-index

233125

45
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all docs

66
docs citations

66
times ranked

1084
citing authors

#	ARTICLE	IF	CITATIONS
1	Mixed-Integer Nonlinear Programming for Energy-Efficient Container Handling: Formulation and Customized Genetic Algorithm. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 10542-10555.	4.7	6
2	Novel Formulations and Improved Differential Evolution Algorithm for Optimal Lane Reservation With Task Merging. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21329-21344.	4.7	9
3	Integrated optimization of capacitated train rescheduling and passenger reassignment under disruptions. Transportation Research Part C: Emerging Technologies, 2021, 125, 103025.	3.9	21
4	A Fast and Effective Greedy Heuristic for On-line Train Calendars Generation. , 2021, , .		0
5	Linear Programming Model and Online Algorithm for Customer-Centric Train Calendar Generation. Journal of Advanced Transportation, 2021, 2021, 1-18.	0.9	0
6	Mixed-fleet single-terminal bus scheduling problem: Modelling, solution scheme and potential applications. Omega, 2020, 96, 102070.	3.6	54
7	Energy-Efficient Train Scheduling and Rolling Stock Circulation Planning in a Metro Line: A Linear Programming Approach. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3621-3633.	4.7	37
8	A Real-World Transport Scheduler Applied to Australian Sugarcane Industry. , 2020, , .		1
9	A microscopic agent-based simulation for real-time dispatching problem of a busy railway passenger station. , 2020, , .		3
10	Timetable Rescheduling with Reassignment of Rolling Stocks and Passengers under Disruptions. , 2020, , .		3
11	Microscopic optimization model and algorithm for integrating train timetabling and track maintenance task scheduling. Transportation Research Part B: Methodological, 2019, 127, 237-278.	2.8	80
12	Route Planning of A Sanitation Vehicle in A Dynamic Traffic Environment. , 2019, , .		0
13	Mixed hybrid and electric bus dynamic fleet management in urban networks: a model predictive control approach. , 2019, , .		1
14	A classification and literature survey on aviation management. , 2019, , .		0
15	Coordination of scheduling decisions in the management of airport airspace and taxiway operations. Transportation Research, Part A: Policy and Practice, 2018, 114, 398-411.	2.0	10
16	Applications of train routing selection methods for real-time railway traffic management. , 2018, , .		0
17	Optimal dispatching of electric and hybrid buses subject to scheduling and charging constraints. , 2018, , .		16
18	Simulation and Optimization for Railway Operations Management. Journal of Advanced Transportation, 2018, 2018, 1-3.	0.9	8

#	ARTICLE	IF	CITATIONS
19	Ant colony optimization for train routing selection: Operational vs tactical application. , 2017, , .		4
20	Microscopic delay management: Minimizing train delays and passenger travel times during real-time railway traffic control. , 2017, , .		4
21	Optimal aircraft scheduling and flight trajectory in terminal control areas. , 2017, , .		4
22	Terminal Control Area Aircraft Scheduling and Trajectory Optimization Approaches. ITM Web of Conferences, 2017, 14, 00008.	0.4	2
23	Optimizing hybrid operations at large-scale automated container terminals. , 2015, , .		3
24	Real-time scheduling of aircraft arrivals and departures in a terminal maneuvering area. Networks, 2015, 65, 212-227.	1.6	46
25	A multi-criteria decision support methodology for real-time train scheduling. Journal of Rail Transport Planning and Management, 2015, 5, 146-162.	0.8	31
26	A variable neighborhood search for optimal scheduling and routing of take-off and landing aircraft. , 2015, , .		3
27	Evaluating Disturbance Robustness of Railway Schedules. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2014, 18, 106-120.	2.6	76
28	Susceptibility of optimal train schedules to stochastic disturbances of process times. Flexible Services and Manufacturing Journal, 2014, 26, 466-489.	1.9	56
29	An iterative optimization framework for delay management and train scheduling. Flexible Services and Manufacturing Journal, 2014, 26, 490-515.	1.9	82
30	Optimal aircraft scheduling and routing at a terminal control area during disturbances. Transportation Research Part C: Emerging Technologies, 2014, 47, 61-85.	3.9	65
31	Rolling Stock Rostering Optimization Under Maintenance Constraints. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2014, 18, 95-105.	2.6	71
32	Dispatching and coordination in multi-area railway traffic management. Computers and Operations Research, 2014, 44, 146-160.	2.4	88
33	Comparing Centralized and Rolling Horizon Approaches for Optimal Aircraft Traffic Control in Terminal Areas. Transportation Research Record, 2014, 2449, 45-52.	1.0	4
34	Rescheduling models for railway traffic management in large-scale networks. Public Transport, 2013, 5, 95-123.	1.7	67
35	Railway line capacity consumption of different railway signalling systems under scheduled and disturbed conditions. Journal of Rail Transport Planning and Management, 2013, 3, 78-94.	0.8	77
36	Rolling horizon approach for aircraft scheduling in the terminal control area of busy airports. Transportation Research, Part E: Logistics and Transportation Review, 2013, 60, 140-155.	3.7	58

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37	Intelligent decision support for scheduling and rerouting trains on an Italian railway line. , 2013, , .		2
38	Aircraft retiming and rerouting in vicinity of airports. IET Intelligent Transport Systems, 2012, 6, 433-443.	1.7	56
39	Increasing the Reliability of Production Schedules in a Pharmaceutical Packaging Department. Journal of Medical Systems, 2012, 36, 3407-3421.	2.2	6
40	Optimal inter-area coordination of train rescheduling decisions. Transportation Research, Part E: Logistics and Transportation Review, 2012, 48, 71-88.	3.7	91
41	Assessment of Advanced Dispatching Measures for Recovering Disrupted Railway Traffic Situations. Transportation Research Record, 2012, 2289, 1-9.	1.0	39
42	Bi-objective conflict detection and resolution in railway traffic management. Transportation Research Part C: Emerging Technologies, 2012, 20, 79-94.	3.9	160
43	Dispatching trains during seriously disrupted traffic situations. , 2011, , .		16
44	Effectiveness of dynamic reordering and rerouting of trains in a complicated and densely occupied station area. Transportation Planning and Technology, 2011, 34, 341-362.	0.9	50
45	Applying RFID in warehouse operations of an Italian courier express company. NETNOMICS: Economic Research and Electronic Networking, 2011, 12, 209-222.	0.9	10
46	Optimal multi-class rescheduling of railway traffic. Journal of Rail Transport Planning and Management, 2011, 1, 14-24.	0.8	63
47	Optimal inter-area coordination of train rescheduling decisions. Procedia, Social and Behavioral Sciences, 2011, 17, 58-81.	0.5	8
48	Improving real-time train dispatching performance: optimization models and algorithms for re-timing, re-ordering and local re-routing. 4or, 2010, 8, 429-432.	1.0	2
49	Centralized versus distributed systems to reschedule trains in two dispatching areas. Public Transport, 2010, 2, 219-247.	1.7	55
50	A tabu search algorithm for rerouting trains during rail operations. Transportation Research Part B: Methodological, 2010, 44, 175-192.	2.8	250
51	Optimal sequencing of aircrafts take-off and landing at a busy airport. , 2010, , .		25
52	Disruption handling in large railway networks. WIT Transactions on the Built Environment, 2010, , .	0.0	13
53	Innovative Decision Support System for Railway Traffic Control. IEEE Intelligent Transportation Systems Magazine, 2009, 1, 8-16.	2.6	48
54	An Advanced Real-Time Train Dispatching System for Minimizing the Propagation of Delays in a Dispatching Area Under Severe Disturbances. Networks and Spatial Economics, 2009, 9, 63-84.	0.7	103

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55	Evaluation of green wave policy in real-time railway traffic management. Transportation Research Part C: Emerging Technologies, 2009, 17, 607-616.	3.9	95
56	Rescheduling Dense Train Traffic over Complex Station Interlocking Areas. Lecture Notes in Computer Science, 2009, , 369-386.	1.0	32
57	Assessing the value of RFID in pharmaceutical production scheduling. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 1096-1101.	0.4	2
58	Assessment of flexible timetables in real-time traffic management of a railway bottleneck. Transportation Research Part C: Emerging Technologies, 2008, 16, 232-245.	3.9	100
59	Reordering and Local Rerouting Strategies to Manage Train Traffic in Real Time. Transportation Science, 2008, 42, 405-419.	2.6	197
60	Evaluating the performance of an advanced train dispatching system. , 2008, , .		0
61	Comparing the effectiveness of two real-time train rescheduling systems in case of perturbed traffic conditions. , 2008, , .		3
62	Conflict Resolution and Train Speed Coordination for Solving Real-Time Timetable Perturbations. IEEE Transactions on Intelligent Transportation Systems, 2007, 8, 208-222.	4.7	173
63	A branch and bound algorithm for scheduling trains in a railway network. European Journal of Operational Research, 2007, 183, 643-657.	3.5	470
64	DESIGNING A MULTI-AGENT SYSTEM FOR COOPERATIVE TRAIN DISPATCHING. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 369-374.	0.4	5
65	RAILWAY DYNAMIC TRAFFIC MANAGEMENT: APPLICATION OF A TRAIN RESCHEDULING SYSTEM REDUCING DELAYS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 337-342.	0.4	0
66	Running time re-optimization during real-time timetable perturbations. WIT Transactions on the Built Environment, 2006, , .	0.0	20