Michael Ball

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8501510/publications.pdf

Version: 2024-02-01

70	4,323	156536	124990
papers	citations	32 h-index	64 g-index

72	72	72	2360
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Data Exploration by Representative Region Selection: Axioms and Convergence. Mathematics of Operations Research, 2021, 46, 970-1007.	0.8	0
2	Equity and Strength in Stochastic Integer Programming Models for the Dynamic Single Airport Ground-Holding Problem. Transportation Science, 2020, 54, 944-955.	2.6	10
3	Quantity-Contingent Auctions and Allocation of Airport Slots. Transportation Science, 2020, 54, 858-881.	2.6	14
4	Stochastic Optimization Models for Transferring Delay Along Flight Trajectories to Reduce Fuel Usage. Transportation Science, 2018, 52, 134-149.	2.6	22
5	Data-Driven Planning for Ground Delay Programs. Transportation Research Record, 2017, 2603, 13-20.	1.0	3
6	Distribution-free methods for multi-period, single-leg booking control. Journal of Revenue and Pricing Management, 2016, 15, 425-453.	0.7	1
7	Collision course? The North Airfield Safety Study at Los Angeles International Airport (LAX). Transportation Research, Part A: Policy and Practice, 2015, 77, 14-34.	2.0	3
8	Sparse Monge matrices arising from scheduling problems. Operations Research Letters, 2013, 41, 246-248.	0.5	3
9	Stochastic optimization models for ground delay program planning with equityâ€“efficiency tradeoffs. Transportation Research Part C: Emerging Technologies, 2013, 33, 196-202.	3.9	40
10	Determining the Number of Airport Arrival Slots. Transportation Science, 2013, 47, 526-541.	2.6	17
11	Consensus-Building Mechanism for Setting Service Expectations in Air Traffic Flow Management. Transportation Research Record, 2013, 2325, 87-96.	1.0	8
12	Air Traffic Management. , 2013, , 25-36.		0
13	Managing an Available-to-Promise Assembly System with Dynamic Short-Term Pseudo-Order Forecast. Management Science, 2012, 58, 770-790.	2.4	49
14	Do more US airports need slot controls? A welfare based approach to determine slot levels. Transportation Research Part B: Methodological, 2012, 46, 1239-1259.	2.8	67
15	Regret in Overbooking and Fare-Class Allocation for Single Leg. Manufacturing and Service Operations Management, 2011, 13, 194-208.	2.3	30
16	Flight Delay Propagation Impact on Strategic Air Traffic Flow Management. Transportation Research Record, 2010, 2177, 105-113.	1.0	38
17	Ground Delay Program Planning Under Uncertainty Based on the Ration-by-Distance Principle. Transportation Science, 2010, 44, 1-14.	2.6	73
18	Toward Robust Revenue Management: Competitive Analysis of Online Booking. Operations Research, 2009, 57, 950-963.	1.2	117

#	Article	IF	Citations
19	Matchings in connection with ground delay program planning. Networks, 2009, 53, 293-306.	1.6	9
20	Quantifying the Relationship between Airline Load Factors and Flight Cancellation Trends. Transportation Research Record, 2009, 2106, 38-46.	1.0	2
21	Resource Allocation in Flow-Constrained Areas with Stochastic Termination Times. Transportation Research Record, 2009, 2106, 90-99.	1.0	10
22	Revenue Management with Limited Demand Information. Management Science, 2008, 54, 1594-1609.	2.4	68
23	Estimating Flight Departure Delay Distributionsâ€"A Statistical Approach With Long-Term Trend and Short-Term Pattern. Journal of the American Statistical Association, 2008, 103, 112-125.	1.8	151
24	Chapter 1 Air Transportation: Irregular Operations and Control. Handbooks in Operations Research and Management Science, 2007, 14, 1-67.	0.6	96
25	Design of the federal express large package sort facility. Annals of Operations Research, 2006, 144, 133-152.	2.6	5
26	Optimization and mediated bartering models for ground delay programs. Naval Research Logistics, 2006, 53, 75-90.	1.4	94
27	Slot Trading Opportunities in Collaborative Ground Delay Programs. Transportation Science, 2006, 40, 29-43.	2.6	74
28	Optimization-Based Available-To-Promise with Multi-Stage Resource Availability. Annals of Operations Research, 2005, 135, 65-85.	2.6	57
29	Modeling study for evaluation of aeronautical broadband data requirements over satellite networks. IEEE Transactions on Aerospace and Electronic Systems, 2005, 41, 361-370.	2.6	10
30	Resource Allocation Principles for Airspace Flow Control. , 2005, , .		10
31	Material compatibility constraints for make-to-order production planning. Operations Research Letters, 2003, 31, 420-428.	0.5	13
32	A Stochastic Integer Program with Dual Network Structure and Its Application to the Ground-Holding Problem. Operations Research, 2003, 51, 167-171.	1.2	116
33	Introduction to the Special Issue on Aviation Operations Research: Commemorating 100 Years of Aviation. Transportation Science, 2003, 37, 366-367.	2.6	1
34	A General Approach to Equity in Traffic Flow Management and Its Application to Mitigating Exemption Bias in Ground Delay Programs. Air Traffic Control Quarterly, 2003, 11, 277-292.	0.7	53
35	Models for the design and analysis of a large package sort facility. Networks, 2002, 39, 107-120.	1.6	10
36	The rate control index for traffic flow. IEEE Transactions on Intelligent Transportation Systems, 2001, 2, 55-62.	4.7	4

#	Article	IF	Citations
37	Fault-Tolerant Virtual Path Layout in ATM Networks. INFORMS Journal on Computing, 2001, 13, 76-94.	1.0	6
38	Quantity and Due Date Quoting Available to Promise. Information Systems Frontiers, 2001, 3, 477-488.	4.1	75
39	Applying integer programming to AI planning. Knowledge Engineering Review, 2000, 15, 85-100.	2.1	11
40	Generating and evaluating designs and plans for microwave modules. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2000, 14, 289-304.	0.7	0
41	The Rollonâ€“Rolloff Vehicle Routing Problem. Transportation Science, 2000, 34, 271-288.	2.6	67
42	A Comparison of Formulations for the Single-Airport Ground-Holding Problem with Banking Constraints. Operations Research, 2000, 48, 578-590.	1.2	44
43	Integrated product and process designenvironment tool for manufacturing T/R modules. Journal of Intelligent Manufacturing, 1998, 9, 9-15.	4.4	6
44	Network-based formulations of the quadratic assignment problem. European Journal of Operational Research, 1998, 104, 241-249.	3.5	8
45	Two-path subsets: Efficient counting and applications to performability analysis. Discrete Applied Mathematics, 1998, 85, 25-45.	0.5	2
46	Title is missing!. Annals of Operations Research, 1997, 72, 151-182.	2.6	5
47	Threshold reliability of networks with small failure sets. Networks, 1995, 25, 101-115.	1.6	10
48	Reliability, covering and balanced matrices. Operations Research Letters, 1995, 17, 1-7.	0.5	1
49	Bounding a Probability Measure Over a Polymatroid with an Application to Transportation Problems. Mathematics of Operations Research, 1994, 19, 112-120.	0.8	4
50	MANDATE: managing networks using database technology. IEEE Journal on Selected Areas in Communications, 1993, 11, 1360-1372.	9.7	22
51	A Reliability Model Applied to Emergency Service Vehicle Location. Operations Research, 1993, 41, 18-36.	1.2	228
52	Reliability covering problems. Networks, 1991, 21, 345-357.	1.6	36
53	Matching problems with generalized upper bound side constraints. Networks, 1990, 20, 703-721.	1.6	16
54	Finding the most vital arcs in a network. Operations Research Letters, 1989, 8, 73-76.	0.5	150

#	Article	IF	Citations
55	Disjoint Products and Efficient Computation of Reliability. Operations Research, 1988, 36, 703-715.	1.2	75
56	Sequencing of Insertions in Printed Circuit Board Assembly. Operations Research, 1988, 36, 192-201.	1.2	236
57	Inventory/routing: Reduction from an annual to a short-period problem. Naval Research Logistics, 1987, 34, 891-905.	1.4	191
58	Computational Complexity of Network Reliability Analysis: An Overview. IEEE Transactions on Reliability, 1986, 35, 230-239.	3.5	374
59	A Graph Partitioning Approach to Airline Crew Scheduling. Transportation Science, 1985, 19, 107-126.	2.6	46
60	Garage Location for an Urban Mass Transit System. Transportation Science, 1984, 18, 56-75.	2.6	12
61	Computing Network Reliability in Time Polynomial in the Number of Cuts. Operations Research, 1984, 32, 516-526.	1.2	119
62	Calculating bounds on reachability and connectedness in stochastic networks. Networks, 1983, 13, 253-278.	1.6	130
63	An analysis of alternative strategies for implementing matching algorithms. Networks, 1983, 13, 517-549.	1.6	75
64	The Complexity of Counting Cuts and of Computing the Probability that a Graph is Connected. SIAM Journal on Computing, 1983, 12, 777-788.	0.8	569
65	A Matching Based Heuristic for Scheduling Mass Transit Crews and Vehicles. Transportation Science, 1983, 17, 4-31.	2.6	102
66	The design and analysis of heuristics. Networks, 1981, 11, 215-219.	1.6	33
67	Current and future research directions in network optimization. Computers and Operations Research, 1981, 8, 71-81.	2.4	22
68	Complexity of network reliability computations. Networks, 1980, 10, 153-165.	1.6	213
69	Computing Network Reliability. Operations Research, 1979, 27, 823-838.	1.2	122
70	Shortest paths with euclidean distances: An explanatory model. Networks, 1978, 8, 297-314.	1.6	34