Mark S Daskin

List of Publications by Year
in descending order

92 papers	10,561 citations	94433 37 h-index	74163 75 g-index
106 all docs	106 docs citations	106 times ranked	5099 citing authors

#	Article	IF	Citations
1	Mitigation strategies against supply disruption risk: a case study at the Ford Motor Company. International Journal of Production Research, 2022, 60, 5956-5976.	7.5	12
2	Pharmaceutical supply chain reliability and effects on drug shortages. Computers and Industrial Engineering, 2022, 169, 108258.	6.3	6
3	An integer L-shaped algorithm for the integrated location and network restoration problem in disaster relief. Transportation Research Part B: Methodological, 2021, 145, 152-184.	5.9	28
4	Bite-Sized Operations Management. , 2021, 1, 1-193.		0
5	Incentivizing resilient supply chain design to prevent drug shortages: policy analysis using two- and multi-stage stochastic programs. IISE Transactions, 2020, 52, 394-412.	2.4	46
6	Integrating location and network restoration decisions in relief networks under uncertainty. European Journal of Operational Research, 2019, 279, 335-350.	5.7	55
7	Life and expectations post-kidney transplant: a qualitative analysis of patient responses. BMC Nephrology, 2019, 20, 175.	1.8	29
8	Location Analysis and Network Design. Lecture Notes in Logistics, 2019, , 379-398.	0.8	5
9	Comparison of patient and provider goals, expectations, and experiences following kidney transplantation. Patient Education and Counseling, 2019, 102, 990-997.	2.2	3
10	The trade-off between the median and range of assigned demand in facility location models. International Journal of Production Research, 2018, 56, 97-119.	7.5	17
11	Incorporating nurse absenteeism into staffing with demand uncertainty. Health Care Management Science, 2017, 20, 141-155.	2.6	19
12	A cyclic allocation model for the inventory-modulated capacitated location problem. Infor, 2017, 55, 312-338.	0.6	2
13	Computer Modeling to Evaluate the Impact of Technology Changes on Resident Procedural Volume. Journal of Graduate Medical Education, 2016, 8, 713-718.	1.3	1
14	Mitigating hard capacity constraints with inventory in facility location modeling. IIE Transactions, 2016, 48, 120-133.	2.1	10
15	Improving Geographic Equity in Kidney Transplantation Using Alternative Kidney Sharing and Optimization Modeling. Medical Decision Making, 2015, 35, 797-807.	2.4	21
16	Innovative Scheduling Solutions for Graduate Medical Education. Journal of Graduate Medical Education, 2015, 7, 169-170.	1.3	3
17	Estimating Minimum Program Volume Needed to Train Surgeons: When 4 Ã— 15 Really Equals 90. Journal of Surgical Education, 2015, 72, 61-67.	2.5	8
18	Achieving Accreditation Council for Graduate Medical Education duty hours compliance within advanced surgical training: a simulation-based feasibility assessment. American Journal of Surgery, 2015, 210, 947-950.e1.	1.8	6

#	ARTICLE	IF	CITATIONS
19	The p-Median Problem. , 2015, , 21-45.		77
20	NURSE STAFFING UNDER DEMAND UNCERTAINTY TO REDUCE COSTS AND ENHANCE PATIENT SAFETY. Asia-Pacific Journal of Operational Research, 2014, 31, 1450005.	1.3	14
21	Using optimization models to demonstrate the need for structural changes in training programs for surgical medical residents. Health Care Management Science, 2013, 16, 217-227.	2.6	12
22	Carbon Footprint and the Management of Supply Chains: Insights From Simple Models. IEEE Transactions on Automation Science and Engineering, 2013, 10, 99-116.	5.2	913
23	Northwestern University Feinberg School of Medicine Uses Operations Research Tools to Improve Surgeon Training. Interfaces, 2013, 43, 341-351.	1.5	1
24	Facility Location Decisions with Random Disruptions and Imperfect Estimation. Manufacturing and Service Operations Management, 2013, 15, 239-249.	3.7	113
25	Fixed Charge Facility Location Problems. , 2013, , 294-361.		0
26	Overcoming Obstacles To Resident-Patient Continuity of Care. Annals of Surgery, 2012, 255, 618-622.	4.2	24
27	The stochastic interdiction median problem with disruption intensity levels. Annals of Operations Research, 2012, 201, 345-365.	4.1	47
28	Dynamic fleet scheduling with uncertain demand and customer flexibility. Computational Management Science, 2012, 9, 459-481.	1.3	2
29	Improving fleet utilization for carriers by interval scheduling. European Journal of Operational Research, 2012, 218, 261-269.	5.7	14
30	Hedging against disruptions with ripple effects in location analysis. Omega, 2012, 40, 21-30.	5.9	163
31	TECHNICAL NOTEâ€"The Adaptive Knapsack Problem with Stochastic Rewards. Operations Research, 2011, 59, 242-248.	1.9	22
32	Analysis of facility protection strategies against an uncertain number of attacks: The stochastic R-interdiction median problem with fortification. Computers and Operations Research, 2011, 38, 357-366.	4.0	147
33	A facility reliability problem: Formulation, properties, and algorithm. Naval Research Logistics, 2010, 57, 58-70.	2.2	137
34	The effect of lifetime buys on warranty repair operations. Journal of the Operational Research Society, 2010, 61, 790-803.	3.4	15
35	A Model for Evaluating Resident Education with a Focus on Continuity of Care and Educational Quality. Journal of Surgical Education, 2010, 67, 352-358.	2.5	11
36	Facility Location Modeling and Inventory Management with Multisourcing. Transportation Science, 2009, 43, 455-472.	4.4	75

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37	Capacitated warehouse location model with risk pooling. Naval Research Logistics, 2008, 55, 295-312.	2.2	176
38	What you should know about location modeling. Naval Research Logistics, 2008, 55, 283-294.	2.2	171
39	A bibliography for some fundamental problem categories in discrete location science. European Journal of Operational Research, 2008, 184, 817-848.	5.7	321
40	The orienteering problem with stochastic profits. IIE Transactions, 2008, 40, 406-421.	2.1	75
41	A Facility Location Model for Bidirectional Flows. Transportation Science, 2007, 41, 484-499.	4.4	69
42	Location-Routing Problems with Distance Constraints. Transportation Science, 2007, 41, 29-43.	4.4	76
43	Models for Reliable Supply Chain Network Design. , 2007, , 257-289.		40
44	Design of a Large Network for Radiological Image Data. IEEE Transactions on Information Technology in Biomedicine, 2007, 11, 25-39.	3.2	5
45	The stochastic location model with risk pooling. European Journal of Operational Research, 2007, 179, 1221-1238.	5.7	210
46	Stochasticp-robust location problems. IIE Transactions, 2006, 38, 971-985.	2.1	215
47	A random-key genetic algorithm for the generalized traveling salesman problem. European Journal of Operational Research, 2006, 174, 38-53.	5.7	247
48	The α-reliable mean-excess regret model for stochastic facility location modeling. Naval Research Logistics, 2006, 53, 617-626.	2.2	75
49	Planning for Disruptions in Supply Chain Networks. , 2006, , 234-257.		129
50	Reliability Models for Facility Location: The Expected Failure Cost Case. Transportation Science, 2005, 39, 400-416.	4.4	576
51	Trade-offs Between Customer Service and Cost in Integrated Supply Chain Design. Manufacturing and Service Operations Management, 2005, 7, 188-207.	3.7	133
52	Location of Health Care Facilities. , 2005, , 43-76.		97
53	Facility Location in Supply Chain Design. , 2005, , 39-65.		78
54	Location Models in Transportation. , 2003, , 321-370.		7

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55	A Joint Location-Inventory Model. Transportation Science, 2003, 37, 40-55.	4.4	551
56	An Inventory-Location Model: Formulation, Solution Algorithm and Computational Results. Annals of Operations Research, 2002, 110, 83-106.	4.1	460
57	Discrete Network Location Models. , 2002, , 81-118.		136
58	An integrated model of facility location and transportation network design. Transportation Research, Part A: Policy and Practice, 2001, 35, 515-538.	4.2	96
59	Capacitated facility location/network design problems. European Journal of Operational Research, 2001, 129, 481-495.	5.7	221
60	Two New Location Covering Problems: The Partial P-Center Problem and the Partial Set Covering Problem. Geographical Analysis, 1999, 31, 217-235.	3.5	22
61	Location Models in Transportation. Profiles in Operations Research, 1999, , 311-360.	0.4	20
62	Strategic facility location: A review. European Journal of Operational Research, 1998, 111, 423-447.	5.7	1,038
63	α-Reliable p-minimax regret: A new model for strategic facility location modeling. Location Science, 1997, 5, 227-246.	0.1	107
64	A dynamic programming heuristic for the P-median problem. European Journal of Operational Research, 1997, 101, 499-508.	5.7	29
65	Tool selection for optimal part production: a Lagrangian relaxation approach. IIE Transactions, 1995, 27, 417-426.	2.1	22
66	The maximum benefit Chinese postman problem and the maximum benefit traveling salesman problem. European Journal of Operational Research, 1993, 65, 218-234.	5.7	39
67	Flexible assignment approach to itinerary seat allocation. Transportation Research Part B: Methodological, 1993, 27, 33-48.	5.9	23
68	A New Approach to Solving Applied Location/Allocation Problems. Computer-Aided Civil and Infrastructure Engineering, 1993, 8, 409-421.	9.8	17
69	Time Dependent Vehicle Routing Problems: Formulations, Properties and Heuristic Algorithms. Transportation Science, 1992, 26, 185-200.	4.4	410
70	Forecast horizons and dynamic facility location planning. Annals of Operations Research, 1992, 40, 125-151.	4.1	40
71	Joint Location/Sizing Maximum Profit Covering Models. Infor, 1991, 29, 139-152.	0.6	9
72	Rationalizing Tool Selection in a Flexible Manufacturing System for Sheet-Metal Products. Operations Research, 1990, 38, 1104-1115.	1.9	38

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73	Aggregation effects in maximum covering models. Annals of Operations Research, 1989, 18, 113-139.	4.1	68
74	An examination of convergence error in equilibrium traffic assignment models. Transportation Research Part B: Methodological, 1988, 22, 261-274.	5.9	17
75	A quadratic programming model for designing and evaluating distance-based and zone fares for urban transit. Transportation Research Part B: Methodological, 1988, 22, 25-44.	5.9	23
76	Determining Emergency Medical Service Vehicle Deployment in Austin, Texas. Interfaces, 1985, 15, 96-108.	1.5	153
77	Logistics: An overview of the state of the art and perspectives on future research. Transportation Research Part A: Policy and Practice, 1985, 19, 383-398.	0.2	65
78	A warehouse location-routing problem. Transportation Research Part B: Methodological, 1985, 19, 381-396.	5.9	234
79	An approximate analytic model of supertanker lightering operations. Transportation Research Part B: Methodological, 1983, 17, 201-219.	5.9	9
80	A Maximum Expected Covering Location Model: Formulation, Properties and Heuristic Solution. Transportation Science, 1983, 17, 48-70.	4.4	664
81	APPLICATION OF AN EXPECTED COVERING MODEL TO EMERGENCY MEDICAL SERVICE SYSTEM DESIGN. Decision Sciences, 1982, 13, 416-439.	4.5	161
82	A Hierarchical Objective Set Covering Model for Emergency Medical Service Vehicle Deployment. Transportation Science, 1981, 15, 137-152.	4.4	322
83	An analysis of service station queues under gasoline shortage conditions. Computers and Operations Research, 1976, 3, 83-93.	4.0	6
84	Issues in the Design and Analysis of Airport Ground Transport Systems. , 0, , .		0
85	Center Problems. , 0, , 193-234.		1
86	Median Problems. , 0, , 235-293.		1
87	An Overview of Complexity Analysis. , 0, , 111-123.		0
88	Location Modeling in Perspective. , 0, , 480-498.		0
89	Covering Problems. , 0, , 124-192.		1
90	Introduction to Location Theory and Models. , 0, , 1-28.		1

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91	Extensions of Location Models. , 0, , 362-479.		1
92	Review of Linear Programming. , 0, , 29-110.		0