

Mark S Daskin

List of Publications by Year in descending order

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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	Strategic facility location: A review. European Journal of Operational Research, 1998, 111, 423-447.	5.7	1,038
2	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
3	A Maximum Expected Covering Location Model: Formulation, Properties and Heuristic Solution. Transportation Science, 1983, 17, 48-70.	4.4	664
4	Reliability Models for Facility Location: The Expected Failure Cost Case. Transportation Science, 2005, 39, 400-416.	4.4	576
5	A Joint Location-Inventory Model. Transportation Science, 2003, 37, 40-55.	4.4	551
6	An Inventory-Location Model: Formulation, Solution Algorithm and Computational Results. Annals of Operations Research, 2002, 110, 83-106.	4.1	460
7	Time Dependent Vehicle Routing Problems: Formulations, Properties and Heuristic Algorithms. Transportation Science, 1992, 26, 185-200.	4.4	410
8	A Hierarchical Objective Set Covering Model for Emergency Medical Service Vehicle Deployment. Transportation Science, 1981, 15, 137-152.	4.4	322
9	A bibliography for some fundamental problem categories in discrete location science. European Journal of Operational Research, 2008, 184, 817-848.	5.7	321
10	A random-key genetic algorithm for the generalized traveling salesman problem. European Journal of Operational Research, 2006, 174, 38-53.	5.7	247
11	A warehouse location-routing problem. Transportation Research Part B: Methodological, 1985, 19, 381-396.	5.9	234
12	Capacitated facility location/network design problems. European Journal of Operational Research, 2001, 129, 481-495.	5.7	221
13	Stochasticp-robust location problems. IIE Transactions, 2006, 38, 971-985.	2.1	215
14	The stochastic location model with risk pooling. European Journal of Operational Research, 2007, 179, 1221-1238.	5.7	210
15	Capacitated warehouse location model with risk pooling. Naval Research Logistics, 2008, 55, 295-312.	2.2	176
16	What you should know about location modeling. Naval Research Logistics, 2008, 55, 283-294.	2.2	171
17	Hedging against disruptions with ripple effects in location analysis. Omega, 2012, 40, 21-30.	5.9	163
18	APPLICATION OF AN EXPECTED COVERING MODEL TO EMERGENCY MEDICAL SERVICE SYSTEM DESIGN. Decision Sciences, 1982, 13, 416-439.	4.5	161

#	ARTICLE	IF	CITATIONS
19	Determining Emergency Medical Service Vehicle Deployment in Austin, Texas. <i>Interfaces</i> , 1985, 15, 96-108.	1.5	153
20	Analysis of facility protection strategies against an uncertain number of attacks: The stochastic R-interdiction median problem with fortification. <i>Computers and Operations Research</i> , 2011, 38, 357-366.	4.0	147
21	A facility reliability problem: Formulation, properties, and algorithm. <i>Naval Research Logistics</i> , 2010, 57, 58-70.	2.2	137
22	Discrete Network Location Models. , 2002, , 81-118.		136
23	Trade-offs Between Customer Service and Cost in Integrated Supply Chain Design. <i>Manufacturing and Service Operations Management</i> , 2005, 7, 188-207.	3.7	133
24	Planning for Disruptions in Supply Chain Networks. , 2006, , 234-257.		129
25	Facility Location Decisions with Random Disruptions and Imperfect Estimation. <i>Manufacturing and Service Operations Management</i> , 2013, 15, 239-249.	3.7	113
26	$\hat{\mu}$ -Reliable p-minimax regret: A new model for strategic facility location modeling. <i>Location Science</i> , 1997, 5, 227-246.	0.1	107
27	Location of Health Care Facilities. , 2005, , 43-76.		97
28	An integrated model of facility location and transportation network design. <i>Transportation Research, Part A: Policy and Practice</i> , 2001, 35, 515-538.	4.2	96
29	Facility Location in Supply Chain Design. , 2005, , 39-65.		78
30	The p-Median Problem. , 2015, , 21-45.		77
31	Location-Routing Problems with Distance Constraints. <i>Transportation Science</i> , 2007, 41, 29-43.	4.4	76
32	The $\hat{\mu}$ -reliable mean-excess regret model for stochastic facility location modeling. <i>Naval Research Logistics</i> , 2006, 53, 617-626.	2.2	75
33	The orienteering problem with stochastic profits. <i>IIE Transactions</i> , 2008, 40, 406-421.	2.1	75
34	Facility Location Modeling and Inventory Management with Multisourcing. <i>Transportation Science</i> , 2009, 43, 455-472.	4.4	75
35	A Facility Location Model for Bidirectional Flows. <i>Transportation Science</i> , 2007, 41, 484-499.	4.4	69
36	Aggregation effects in maximum covering models. <i>Annals of Operations Research</i> , 1989, 18, 113-139.	4.1	68

#	ARTICLE	IF	CITATIONS
37	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
38	Integrating location and network restoration decisions in relief networks under uncertainty. European Journal of Operational Research, 2019, 279, 335-350.	5.7	55
39	The stochastic interdiction median problem with disruption intensity levels. Annals of Operations Research, 2012, 201, 345-365.	4.1	47
40	Incentivizing resilient supply chain design to prevent drug shortages: policy analysis using two- and multi-stage stochastic programs. IIE Transactions, 2020, 52, 394-412.	2.4	46
41	Forecast horizons and dynamic facility location planning. Annals of Operations Research, 1992, 40, 125-151.	4.1	40
42	Models for Reliable Supply Chain Network Design. , 2007, , 257-289.		40
43	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
44	Rationalizing Tool Selection in a Flexible Manufacturing System for Sheet-Metal Products. Operations Research, 1990, 38, 1104-1115.	1.9	38
45	A dynamic programming heuristic for the P-median problem. European Journal of Operational Research, 1997, 101, 499-508.	5.7	29
46	Life and expectations post-kidney transplant: a qualitative analysis of patient responses. BMC Nephrology, 2019, 20, 175.	1.8	29
47	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
48	Overcoming Obstacles To Resident-Patient Continuity of Care. Annals of Surgery, 2012, 255, 618-622.	4.2	24
49	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
50	Flexible assignment approach to itinerary seat allocation. Transportation Research Part B: Methodological, 1993, 27, 33-48.	5.9	23
51	Tool selection for optimal part production: a Lagrangian relaxation approach. IIE Transactions, 1995, 27, 417-426.	2.1	22
52	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
53	TECHNICAL NOTE "The Adaptive Knapsack Problem with Stochastic Rewards. Operations Research, 2011, 59, 242-248.	1.9	22
54	Improving Geographic Equity in Kidney Transplantation Using Alternative Kidney Sharing and Optimization Modeling. Medical Decision Making, 2015, 35, 797-807.	2.4	21

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55	Location Models in Transportation. Profiles in Operations Research, 1999, , 311-360.	0.4	20
56	Incorporating nurse absenteeism into staffing with demand uncertainty. Health Care Management Science, 2017, 20, 141-155.	2.6	19
57	An examination of convergence error in equilibrium traffic assignment models. Transportation Research Part B: Methodological, 1988, 22, 261-274.	5.9	17
58	A New Approach to Solving Applied Location/Allocation Problems. Computer-Aided Civil and Infrastructure Engineering, 1993, 8, 409-421.	9.8	17
59	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
60	The effect of lifetime buys on warranty repair operations. Journal of the Operational Research Society, 2010, 61, 790-803.	3.4	15
61	Improving fleet utilization for carriers by interval scheduling. European Journal of Operational Research, 2012, 218, 261-269.	5.7	14
62	NURSE STAFFING UNDER DEMAND UNCERTAINTY TO REDUCE COSTS AND ENHANCE PATIENT SAFETY. Asia-Pacific Journal of Operational Research, 2014, 31, 1450005.	1.3	14
63	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
64	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
65	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
66	Mitigating hard capacity constraints with inventory in facility location modeling. IIE Transactions, 2016, 48, 120-133.	2.1	10
67	An approximate analytic model of supertanker lightering operations. Transportation Research Part B: Methodological, 1983, 17, 201-219.	5.9	9
68	Joint Location/Sizing Maximum Profit Covering Models. Infor, 1991, 29, 139-152.	0.6	9
69	Estimating Minimum Program Volume Needed to Train Surgeons: When 4 \tilde{A} — 15 Really Equals 90. Journal of Surgical Education, 2015, 72, 61-67.	2.5	8
70	Location Models in Transportation. , 2003, , 321-370.		7
71	An analysis of service station queues under gasoline shortage conditions. Computers and Operations Research, 1976, 3, 83-93.	4.0	6
72	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

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73	Pharmaceutical supply chain reliability and effects on drug shortages. Computers and Industrial Engineering, 2022, 169, 108258.	6.3	6
74	Design of a Large Network for Radiological Image Data. IEEE Transactions on Information Technology in Biomedicine, 2007, 11, 25-39.	3.2	5
75	Location Analysis and Network Design. Lecture Notes in Logistics, 2019, , 379-398.	0.8	5
76	Innovative Scheduling Solutions for Graduate Medical Education. Journal of Graduate Medical Education, 2015, 7, 169-170.	1.3	3
77	Comparison of patient and provider goals, expectations, and experiences following kidney transplantation. Patient Education and Counseling, 2019, 102, 990-997.	2.2	3
78	Dynamic fleet scheduling with uncertain demand and customer flexibility. Computational Management Science, 2012, 9, 459-481.	1.3	2
79	A cyclic allocation model for the inventory-modulated capacitated location problem. Infor, 2017, 55, 312-338.	0.6	2
80	Northwestern University Feinberg School of Medicine Uses Operations Research Tools to Improve Surgeon Training. Interfaces, 2013, 43, 341-351.	1.5	1
81	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
82	Center Problems. , 0, , 193-234.		1
83	Median Problems. , 0, , 235-293.		1
84	Covering Problems. , 0, , 124-192.		1
85	Introduction to Location Theory and Models. , 0, , 1-28.		1
86	Extensions of Location Models. , 0, , 362-479.		1
87	Issues in the Design and Analysis of Airport Ground Transport Systems. , 0, , .		0
88	Fixed Charge Facility Location Problems. , 2013, , 294-361.		0
89	An Overview of Complexity Analysis. , 0, , 111-123.		0
90	Location Modeling in Perspective. , 0, , 480-498.		0

#	ARTICLE	IF	CITATIONS
91	Review of Linear Programming. , 0, , 29-110.		0
92	Bite-Sized Operations Management. , 2021, 1, 1-193.		0