Oded Berman

List of Publications by Year
in descending order

179 papers	6,579 citations	61857 43 h-index	91712 69 g-index
182 all docs	182 docs citations	182 times ranked	2778 citing authors

#	Article	IF	Citations
1	Optimal Location of Discretionary Service Facilities. Transportation Science, 1992, 26, 201-211.	2.6	232
2	Facility Reliability Issues in Networkp-Median Problems: Strategic Centralization and Co-Location Effects. Operations Research, 2007, 55, 332-350.	1.2	219
3	The generalized maximal covering location problem. Computers and Operations Research, 2002, 29, 563-581.	2.4	218
4	Competitive facility location and design problem. European Journal of Operational Research, 2007, 182, 40-62.	3.5	170
5	Optimal Server Location on a Network Operating as an M/G/1 Queue. Operations Research, 1985, 33, 746-771.	1.2	161
6	The gradual covering decay location problem on a network. European Journal of Operational Research, 2003, 151, 474-480.	3.5	161
7	Analysis of Transfer Lines Consisting of Two Unreliable Machines with Random Processing Times and Finite Storage Buffers. A I I E Transactions, 1981, 13, 2-11.	0.3	155
8	Generalized coverage: New developments in covering location models. Computers and Operations Research, 2010, 37, 1675-1687.	2.4	147
9	Bargaining in competing supply chains with uncertainty. European Journal of Operational Research, 2009, 197, 548-556.	3.5	120
10	DETERMINISTIC APPROXIMATIONS FOR INVENTORY MANAGEMENT AT SERVICE FACILITIES. IIE Transactions, 1993, 25, 98-104.	2.1	119
11	Incorporating congestion in preventive healthcare facility network design. European Journal of Operational Research, 2009, 198, 922-935.	3.5	116
12	Competitive facility location model with concave demand. European Journal of Operational Research, 2007, 181, 598-619.	3.5	103
13	Stochastic models for inventory management at service facilities. Stochastic Models, 1999, 15, 695-718.	0.3	95
14	Minimax regret p-center location on a network with demand uncertainty. Location Science, 1997, 5, 247-254.	0.2	92
15	Flow intercepting spatial interaction model: a new approach to optimal location of competitive facilities. Location Science, 1998, 6, 41-65.	0.2	92
16	The impact of client choice on preventive healthcare facility network design. OR Spectrum, 2012, 34, 349-370.	2.1	89
17	A bilevel model for preventive healthcare facility network design with congestion. IIE Transactions, 2010, 42, 865-880.	2.1	84
18	Locating Discretionary Service Facilities, II: Maximizing Market Size, Minimizing Inconvenience. Operations Research, 1995, 43, 623-632.	1.2	83

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19	Designing emergency response networks for hazardous materials transportation. Computers and Operations Research, 2007, 34, 1374-1388.	2.4	81
20	Locating Multiple Competitive Facilities: Spatial Interaction Models with Variable Expenditures. Annals of Operations Research, 2002, 111, 197-225.	2.6	73
21	Locating service facilities to reduce lost demand. IIE Transactions, 2006, 38, 933-946.	2.1	72
22	Algorithms for the robust 1-center problem on a tree. European Journal of Operational Research, 2000, 123, 292-302.	3.5	68
23	Minmax Regret Median Location on a Network Under Uncertainty. INFORMS Journal on Computing, 2000, 12, 104-110.	1.0	68
24	Cooperative cover location problems: The planar case. IIE Transactions, 2009, 42, 232-246.	2.1	67
25	A heuristic with worst-case analysis for minimax routing of two travelling salesmen on a tree. Discrete Applied Mathematics, 1996, 68, 17-32.	0.5	64
26	Locating Facilities in the Presence of Disruptions and Incomplete Information*. Decision Sciences, 2009, 40, 845-868.	3.2	63
27	A coordinated location-inventory model. European Journal of Operational Research, 2012, 217, 500-508.	3.5	63
28	Location of terror response facilities: A game between state and terrorist. European Journal of Operational Research, 2007, 177, 1113-1133.	3.5	61
29	Facility Location with Stochastic Demand and Constraints on Waiting Time. Manufacturing and Service Operations Management, 2008, 10, 484-505.	2.3	56
30	Facility Location Problems with Stochastic Demands and Congestion. , 2002, , 329-371.		56
31	Scheduling Workforce and Workflow in a High Volume Factory. Management Science, 1997, 43, 158-172.	2.4	56
32	Optimal 2-Facility Network Districting in the Presence of Queuing. Transportation Science, 1985, 19, 261-277.	2.6	55
33	A queueing control model for retail services having back room operations and cross-trained workers. Computers and Operations Research, 2004, 31, 201-222.	2.4	54
34	Improving the location of minisum facilities through network modification. Annals of Operations Research, 1992, 40, 1-16.	2.6	53
35	The variable radius covering problem. European Journal of Operational Research, 2009, 196, 516-525.	3.5	53
36	Minimizing the Total Flow Time of n Jobs on a Network. IIE Transactions, 1991, 23, 236-244.	2.1	52

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37	Optimal location with equitable loads. Annals of Operations Research, 2009, 167, 307-325.	2.6	52
38	The equitable location problem on the plane. European Journal of Operational Research, 2007, 183, 578-590.	3.5	51
39	Finding the Optimal a Priori Tour and Location of a Traveling Salesman with Nonhomogeneous Customers. Transportation Science, 1988, 22, 148-154.	2.6	50
40	On the Benefits of Risk Pooling in Inventory Management. Production and Operations Management, 2011, 20, 57-71.	2.1	50
41	(p â^' 1)(p + 1)-approximate algorithms for p-traveling salesmen problems on a tree with minmax objective. Discrete Applied Mathematics, 1997, 75, 201-216.	0.5	49
42	Locating mobile servers on a network with markovian properties. Networks, 1982, 12, 73-86.	1.6	48
43	Location-allocation on congested networks. European Journal of Operational Research, 1986, 26, 238-250.	3.5	47
44	The transfer point location problem. European Journal of Operational Research, 2007, 179, 978-989.	3.5	47
45	Location and allocation of service units on a congested network. IIE Transactions, 2008, 40, 422-433.	2.1	47
46	The minimum weighted covering location problem with distance constraints. Computers and Operations Research, 2008, 35, 356-372.	2.4	45
47	Dynamic Repositioning of Indistinguishable Service Units on Transportation Networks. Transportation Science, 1981, 15, 115-136.	2.6	44
48	Locating a Mobile Server Queueing Facility on a Tree Network. Management Science, 1985, 31, 764-772.	2.4	44
49	Profit Maximizing Distributed Service System Design with Congestion and Elastic Demand. Transportation Science, 2012, 46, 247-261.	2.6	44
50	Locating service facilities whose reliability is distance dependent. Computers and Operations Research, 2003, 30, 1683-1695.	2.4	43
51	Inbound Logistic Planning: Minimizing Transportation and Inventory Cost. Transportation Science, 2006, 40, 287-299.	2.6	43
52	Bargaining within the Supply Chain and Its Implications in an Industry. Decision Sciences, 2016, 47, 193-218.	3.2	43
53	Technical Noteâ€"Conditional Location Problems on Networks. Transportation Science, 1990, 24, 77-78.	2.6	41
54	A Simple Heuristic for m-Machine Flow-Shop and its Applications in Routing-Scheduling Problems. Operations Research, 1999, 47, 165-170.	1.2	39

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55	Dynamic order replenishment policy in internet-based supply chains. Mathematical Methods of Operations Research, 2001, 53, 371-390.	0.4	39
56	The median problem with congestion. Computers and Operations Research, 1982, 9, 119-126.	2.4	38
57	Locating flow-capturing units on a network with multi-counting and diminishing returns to scale. European Journal of Operational Research, 1996, 91, 495-506.	3.5	38
58	Location of congested capacitated facilities with distance-sensitive demand. IIE Transactions, 2006, 38, 213-221.	2.1	38
59	An improved algorithm for the minmax regret median problem on a tree. Networks, 2003, 41, 97-103.	1.6	37
60	Dynamic inventory strategies for profit maximization in a service facility with stochastic service, demand and lead time. Mathematical Methods of Operations Research, 2004, 60, 497-521.	0.4	37
61	A -approximation algorithm for the two-machine routing open-shop problem on a two-node network. European Journal of Operational Research, 2005, 166, 3-24.	3.5	37
62	Locating Discretionary Service Facilities Based on Probabilistic Customer Flows. Transportation Science, 1995, 29, 276-290.	2.6	36
63	The routing open-shop problem on a network: Complexity and approximation. European Journal of Operational Research, 2006, 173, 531-539.	3.5	36
64	A new formulation for the conditional -median and -center problems. Operations Research Letters, 2008, 36, 481-483.	0.5	36
65	The minmax regret gradual covering location problem on a network with incomplete information of demand weights. European Journal of Operational Research, 2011, 208, 233-238.	3.5	36
66	Technical Noteâ€"Routing and Location-Routing p-Delivery Men Problems on a Path. Transportation Science, 1994, 28, 162-166.	2.6	35
67	Balancing staffing and switching costs in a service center with flexible servers. European Journal of Operational Research, 2007, 177, 924-938.	3.5	35
68	Improving the location of minimax facilities through network modification. Networks, 1994, 24, 31-41.	1.6	34
69	The facility and transfer points location problem. International Transactions in Operational Research, 2005, 12, 387-402.	1.8	34
70	The multiple server center location problem. Annals of Operations Research, 2009, 167, 337-352.	2.6	34
71	The maximum covering problem with travel time uncertainty. IIE Transactions, 2013, 45, 81-96.	2.1	34
72	Repositioning of distinguishable urban service units on networks. Computers and Operations Research, 1981, 8, 105-118.	2.4	33

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73	Continuous review inventory models for perishable items ordered in batches. Mathematical Methods of Operations Research, 2010, 72, 217-247.	0.4	33
74	A note on the location of an obnoxious facility on a network. European Journal of Operational Research, 2000, 120, 215-217.	3.5	32
75	The p-median problem under uncertainty. European Journal of Operational Research, 2008, 189, 19-30.	3.5	32
76	Shelf Space Management When Demand Depends on the Inventory Level. Production and Operations Management, 2011, 20, 714-726.	2.1	32
77	The multiple gradual cover location problem. Journal of the Operational Research Society, 2019, 70, 931-940.	2.1	32
78	Sales-delivery man problems on treelike networks. Networks, 1995, 25, 45-58.	1.6	30
79	Location and reliability problems on a line: Impact of objectives and correlated failures on optimal location patterns. Omega, 2013, 41, 766-779.	3.6	30
80	A Probabilistic Minimax Location Problem on the Plane. Annals of Operations Research, 2003, 122, 59-70.	2.6	29
81	The Minimax and Maximin Location Problems on a Network with Uniform Distributed Weights. IIE Transactions, 2003, 35, 1017-1025.	2.1	29
82	The Maximal Covering Problem with Some Negative Weights. Geographical Analysis, 2009, 41, 30-42.	1.9	29
83	Strategic Idleness and Dynamic Scheduling in an Open-Shop Service Network: Case Study and Analysis. Manufacturing and Service Operations Management, 2017, 19, 52-71.	2.3	27
84	Threshold-Based Allocation Policies for Inventory Management of Red Blood Cells. Manufacturing and Service Operations Management, 2018, 20, 347-362.	2.3	27
85	Stochastic Location Models with Congestion. , 2015, , 443-486.		26
86	An EOQ model with state-dependent demand rate. European Journal of Operational Research, 2006, 171, 255-272.	3.5	25
87	Optimizing capacity, pricing and location decisions on a congested network with balking. Mathematical Methods of Operations Research, 2011, 74, 233-255.	0.4	25
88	Maximal Accessibility Network Design in the Public Sector. Transportation Science, 2016, 50, 336-347.	2.6	25
89	Probabilistic a priori routing-location problems. Naval Research Logistics, 1994, 41, 973-989.	1.4	24
90	Minimum covering criterion for obnoxious facility location on a network. Networks, 1996, 28, 1-5.	1.6	24

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91	The collection depots location problem on networks. Naval Research Logistics, 2002, 49, 15-24.	1.4	24
92	Optimal management of cross-trained workers in services with negligible switching costs. European Journal of Operational Research, 2005, 167, 349-369.	3.5	24
93	Integrated modeling of urban hierarchy and transportation network planning. Transportation Research, Part A: Policy and Practice, 2010, 44, 506-522.	2.0	24
94	On covering location problems on networks with edge demand. Computers and Operations Research, 2016, 74, 214-227.	2.4	24
95	Sampling manholes to home in on SARS-CoV-2 infections. PLoS ONE, 2020, 15, e0240007.	1.1	24
96	Developments in network location with mobile and congested facilities. European Journal of Operational Research, 1981, 6, 104-116.	3.5	23
97	Locating flow-intercepting facilities: New approaches and results. Annals of Operations Research, 1995, 60, 121-143.	2.6	23
98	Managing Perishable Inventory Systems with Multiple Priority Classes. Production and Operations Management, 2019, 28, 2305-2322.	2.1	23
99	Location choice and risk attitude of a decision maker. Omega, 2017, 66, 170-181.	3.6	22
100	Placing sensors in sewer networks: A system to pinpoint new cases of coronavirus. PLoS ONE, 2021, 16, e0248893.	1.1	22
101	Solving a stochastic facility location/fleet management problem with logic-based Benders' decomposition. IIE Transactions, 2013, 45, 896-911.	2.1	21
102	A location model for a facility operating as anM/G/k queue. Networks, 1989, 19, 717-728.	1.6	20
103	The p maximal cover - p partial center problem on networks. European Journal of Operational Research, 1994, 72, 432-442.	3.5	20
104	Probabilistic location problems with discrete demand weights. Networks, 2004, 44, 47-57.	1.6	20
105	Modeling Competitive Facility Location Problems: New Approaches and Results. , 2009, , 156-181.		20
106	Efficient solution approaches for a discrete multi-facility competitive interaction model. Annals of Operations Research, 2009, 167, 297-306.	2.6	20
107	The Ordered Gradual Covering Location Problem on a Network. Discrete Applied Mathematics, 2009, 157, 3689-3707.	0.5	20
108	Big segment small segment global optimization algorithm on networks. Networks, 2011, 58, 1-11.	1.6	19

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109	On <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si36.gif" display="inline" overflow="scroll"><mml:mi>n</mml:mi></mml:math>-facility median problem with facilities subject to failure facing uniform demand. Discrete Applied Mathematics, 2011, 159, 420-432.	0.5	18
110	Optimal response against bioterror attack on airport terminal. European Journal of Operational Research, 2012, 219, 415-424.	3.5	18
111	Using Strategic Idleness to Improve Customer Service Experience in Service Networks. Operations Research, 2014, 62, 123-140.	1.2	18
112	Supporting New Product or Service Introductions: Location, Marketing, and Word of Mouth. Operations Research, 2014, 62, 994-1013.	1.2	18
113	Efficiency and production rate of a transfer line with two machines and a finite storage buffer. European Journal of Operational Research, 1982, 9, 295-308.	3.5	17
114	Locating a facility on a congested network with random lengths. Networks, 1985, 15, 275-293.	1.6	17
115	Medi-centre Location Problems. Journal of the Operational Research Society, 1991, 42, 313-322.	2.1	17
116	Locating capacitated facilities to maximize captured demand. IIE Transactions, 2007, 39, 1015-1029.	2.1	17
117	Location of facilities on a network with groups of demand points. IIE Transactions, 2001, 33, 637-648.	2.1	16
118	Minmax p-Traveling Salesmen Location Problems on a Tree. Annals of Operations Research, 2002, 110, 55-68.	2.6	16
119	Ensuring feasibility in location problems with stochastic demands and congestion. IIE Transactions, 2009, 41, 467-481.	2.1	16
120	Cooperative covering problems on networks. Networks, 2014, 63, 334-349.	1.6	16
121	Repositioning of Two Distinguishable Service Vehicles on Networks. IEEE Transactions on Systems, Man, and Cybernetics, 1981, 11, 187-193.	0.9	15
122	Routing Two-Machine Flowshop Problems on Networks with Special Structure. Transportation Science, 1996, 30, 303-314.	2.6	15
123	Truthful Cheap Talk: Why Operational Flexibility May Lead to Truthful Communication. Management Science, 2019, 65, 1624-1641.	2.4	14
124	Production/Clearing Models Under Continuous and Sporadic Reviews. Methodology and Computing in Applied Probability, 2005, 7, 203-224.	0.7	13
125	The probabilistic gradual covering location problem on a network with discrete random demand weights. Computers and Operations Research, 2011, 38, 1493-1500.	2.4	13
126	Up Then Down: Bidâ€Price Trends in Revenue Management. Production and Operations Management, 2015, 24, 1135-1147.	2.1	13

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127	Almost Robust Discrete Optimization. European Journal of Operational Research, 2019, 276, 451-465.	3.5	13
128	Introducing Autonomous Vehicles: Adoption Patterns and Impacts on Social Welfare. Manufacturing and Service Operations Management, 2022, 24, 352-369.	2.3	13
129	The 1-minimax and 1-maximin problems with demand weights of general probability distributions. Networks, 2007, 50, 127-135.	1.6	12
130	A Location Model for Urban Hierarchy Planning with Population Dynamics. Environment and Planning A, 2009, 41, 996-1016.	2.1	12
131	Location of response facilities: a simultaneous game between state and terrorist. International Journal of Operational Research, 2011, 10, 102.	0.1	12
132	CONTINUOUS REVIEW INVENTORY MODELS FOR PERISHABLE ITEMS WITH LEADTIMES. Probability in the Engineering and Informational Sciences, 2020, 34, 317-342.	0.6	12
133	Stochastic Location Models with Congestion. , 2019, , 477-535.		12
134	The Relationship between Population Dynamics and Urban Hierarchy. International Regional Science Review, 2014, 37, 149-171.	1.0	11
135	A Game Between a Terrorist and a Passive Defender. Production and Operations Management, 2018, 27, 433-457.	2.1	11
136	Optimizing facility location and design. European Journal of Operational Research, 2021, 289, 31-43.	3.5	11
137	Satisfying partial demand in facilities location. IIE Transactions, 2002, 34, 971-978.	2.1	10
138	A FLUID EOQ MODEL WITH A TWO-STATE RANDOM ENVIRONMENT. Probability in the Engineering and Informational Sciences, 2006, 20, 329-349.	0.6	10
139	Designing Production-Inventory-Transportation Systems with Capacitated Cross-Docks. Transportation Science, 2014, 48, 121-135.	2.6	10
140	A FACILITY LOCATION PROBLEM WITH DISTANCE-DEPENDENT DEMAND. Decision Sciences, 1981, 12, 623-632.	3.2	9
141	The 1-Median And 1-Antimedian Problems With Continuous Probabilistic Demand Weights. Infor, 2006, 44, 267-283.	0.5	9
142	Locating a semi-obnoxious facility with expropriation. Computers and Operations Research, 2008, 35, 392-403.	2.4	9
143	Optimal search path for service in the presence of disruptions. Computers and Operations Research, 2011, 38, 1562-1571.	2.4	9
144	Structural Properties of Voronoi Diagrams in Facility Location Problems with Continuous Demand. Operations Research, 2015, 63, 394-411.	1.2	9

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145	Location of Facilities on a Network with Groups of Demand Points. IIE Transactions, 2001, 33, 637-648.	2.1	8
146	Can flexibility be constraining?. IIE Transactions, 2009, 42, 45-59.	2.1	8
147	Minisum multipurpose trip location problem on trees. Networks, 2014, 63, 154-159.	1.6	8
148	Directed assignment vs. customer choice in location inventory models. International Journal of Production Economics, 2016, 179, 179-191.	5.1	8
149	Reconfiguring a set of coverage-providing facilities under travel time uncertainty. Socio-Economic Planning Sciences, 2018, 62, 1-12.	2.5	8
150	An Improved IP Formulation for the Uncapacitated Facility Location Problem: Capitalizing on Objective Function Structure. Annals of Operations Research, 2005, 136, 21-34.	2.6	7
151	Mean-variance analysis and the single-period inventory problem. International Journal of Systems Science, 1986, 17, 1145-1151.	3.7	6
152	Recent Developments in the Theory and Applications of Location Models: A Preview. Annals of Operations Research, 2002, 111, 15-16.	2.6	6
153	An exact analysis of a joint production-inventory problem in two-echelon inventory systems. Naval Research Logistics, 2011, 58, 713-730.	1.4	6
154	Responsive makeâ€toâ€order supply chain network design. Naval Research Logistics, 2021, 68, 241-258.	1.4	6
155	Generalized flow-interception facility location models with probabilistic customer flows. Stochastic Models, 1997, 13, 1-25.	0.3	5
156	The route expropriation problem. IIE Transactions, 2008, 40, 468-477.	2.1	5
157	Devising a Cooperation Policy for Emergency Networks. Journal of the Operational Research Society, 1987, 38, 1015-1029.	2.1	4
158	Optimal locations and districts of two traveling salesmen on a tree. Networks, 1990, 20, 803-815.	1.6	3
159	Probabilistic Set Covering Location Problem in Congested Networks. Transportation Science, 2022, 56, 528-542.	2.6	3
160	Optimal M/G/1 Server Location on a Network Having a Fixed Facility. Journal of the Operational Research Society, 1988, 39, 1137-1146.	2.1	2
161	Medi-Centre Location Problems. Journal of the Operational Research Society, 1991, 42, 313.	2.1	2
162	Parallel NC-algorithms for multifacility location problems with mutual communication and their applications. Networks, 2002, 40, 1-12.	1.6	2

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163	Satisfying partial demand in facilities location. IIE Transactions, 2002, 34, 971-978.	2.1	2
164	A transfer/clearing inventory model under sporadic review. Mathematical Methods of Operations Research, 2003, 57, 329-344.	0.4	2
165	Performance Analysis of a Fluid Production/Inventory Model with State-dependence. Methodology and Computing in Applied Probability, 2007, 9, 465-481.	0.7	2
166	Location problems with grouped structure of demand: Complexity and algorithms. Networks, 1998, 31, 81-92.	1.6	1
167	Approximating Performance Measures for a Network of Unreliable Machines. IIE Transactions, 2003, 35, 665-677.	2.1	1
168	A Game between a Terrorist and a Passive Defender. SSRN Electronic Journal, 0, , .	0.4	1
169	Improved complexity results for the robust mean absolute deviation problem on networks with linear vertex weights. Discrete Applied Mathematics, 2018, 239, 193-199.	0.5	1
170	TWO-ECHELON PRODUCTION INVENTORY SYSTEMS WITH STRATEGIC CUSTOMERS. Probability in the Engineering and Informational Sciences, 2021, 35, 258-275.	0.6	1
171	Location problems with continuous demand and unreliable facilities: Applications of families of incremental Voronoi diagrams. Discrete Applied Mathematics, 2021, 300, 36-55.	0.5	1
172	Strategic new product media planning under emergent channel substitution and synergy. Production and Operations Management, 2022, 31, 2143-2166.	2.1	1
173	Cooperation among flexible manufacturing systems. , 1985, , .		0
174	Recent Developments in the Theory and Applications of Location Models: A Preview. Annals of Operations Research, 2002, 110, 15-16.	2.6	0
175	Stochastic Analysis in Location Research. Profiles in Operations Research, 2011, , 241-271.	0.3	0
176	On the optimality of the sequential approach for network design problems of service operations. Naval Research Logistics, 2018, 65, 363-377.	1.4	0
177	The multifacility center problems with random demand weights. Networks, 0, , .	1.6	0
178	Dispatching. , 1988, , 107-136.		0
179	Location of Stationary Facilities. , 1988, , 43-84.		0