

# Bruce L Golden

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

121  
papers

4,961  
citations

35  
h-index

69  
g-index

126  
ext. papers

5,902  
ext. citations

2.9  
avg, IF

5.92  
L-index

#	Paper	IF	Citations
121	A fresh look at the Traveling Salesman Problem with a Center. <i>Computers and Operations Research</i> , <b>2022</b> , 143, 105748	4.6	
120	Data-driven optimization and statistical modeling to improve meter reading for utility companies. <i>Computers and Operations Research</i> , <b>2022</b> , 105844	4.6	0
119	Investigating cascading events for emergency departments in Baltimore City using a two-state Markov model. <i>Operations Research for Health Care</i> , <b>2021</b> , 31, 100324	1.8	
118	Estimating the Tour Length for the Close Enough Traveling Salesman Problem. <i>Algorithms</i> , <b>2021</b> , 14, 123	1.8	0
117	Voice Interface Technology Adoption by Patients With Heart Failure: Pilot Comparison Study. <i>JMIR MHealth and UHealth</i> , <b>2021</b> , 9, e24646	5.5	4
116	The power of linear programming: some surprising and unexpected LPs. <i>4or</i> , <b>2021</b> , 19, 15-40	1.4	
115	A continuous-time Markov model for estimating readmission risk for hospital inpatients. <i>Journal of Applied Statistics</i> , <b>2021</b> , 48, 41-60	1	1
114	Evaluating preferences for colorectal cancer screening in individuals under age 50 using the Analytic Hierarchy Process. <i>BMC Health Services Research</i> , <b>2021</b> , 21, 754	2.9	1
113	Modeling and Solving the Intersection Inspection Rural Postman Problem. <i>INFORMS Journal on Computing</i> , <b>2021</b> , 33, 1245-1257	2.4	1
112	The Mothership and Drone Routing Problem. <i>INFORMS Journal on Computing</i> , <b>2020</b> , 32, 249-262	2.4	22
111	An Adaptive Heuristic Approach to Compute Upper and Lower Bounds for The Close-Enough Traveling Salesman Problem. <i>INFORMS Journal on Computing</i> , <b>2020</b> ,	2.4	2
110	Multi-visit drone routing problem. <i>Computers and Operations Research</i> , <b>2020</b> , 113, 104802	4.6	49
109	A Branch-and-Bound Approach to the Traveling Salesman Problem with a Drone. <i>INFORMS Journal on Computing</i> , <b>2019</b> , 31, 335-346	2.4	59
108	Lognormal-based mixture models for robust fitting of hospital length of stay distributions. <i>Operations Research for Health Care</i> , <b>2019</b> , 22, 100184	1.8	2
107	OAR Lib: an open source arc routing library. <i>Mathematical Programming Computation</i> , <b>2019</b> , 11, 587-629	7.8	2
106	A Steiner Zone Variable Neighborhood Search Heuristic for the Close-Enough Traveling Salesman Problem. <i>Computers and Operations Research</i> , <b>2019</b> , 101, 200-219	4.6	9
105	A two-stage solution approach for the Directed Rural Postman Problem with Turn Penalties. <i>European Journal of Operational Research</i> , <b>2019</b> , 272, 754-765	5.6	4

104	Impact of Global Budget Revenue Policy on Emergency Department Efficiency in the State of Maryland. <i>Western Journal of Emergency Medicine</i> , <b>2019</b> , 20, 885-892	3.3	2
103	The Bin Packing Problem with Item Fragmentation:A worst-case analysis. <i>Discrete Applied Mathematics</i> , <b>2019</b> , 261, 63-77	1	5
102	Computational Comparison of Metaheuristics. <i>Profiles in Operations Research</i> , <b>2019</b> , 581-604	1	3
101	Optimization approaches for civil applications of unmanned aerial vehicles (UAVs) or aerial drones: A survey. <i>Networks</i> , <b>2018</b> , 72, 411-458	1.6	305
100	Applying queueing theory to the study of emergency department operations: a survey and a discussion of comparable simulation studies. <i>International Transactions in Operational Research</i> , <b>2018</b> , 25, 7-49	2.9	23
99	An Open-Source Desktop Application for Generating Arc-Routing Benchmark Instances. <i>INFORMS Journal on Computing</i> , <b>2018</b> , 30, 361-370	2.4	3
98	The vehicle routing problem with drones: several worst-case results. <i>Optimization Letters</i> , <b>2017</b> , 11, 679-697	1.6	186
97	A novel approach to solve the split delivery vehicle routing problem. <i>International Transactions in Operational Research</i> , <b>2017</b> , 24, 27-41	2.9	20
96	Partitioning a street network into compact, balanced, and visually appealing routes. <i>Networks</i> , <b>2017</b> , 69, 290-303	1.6	12
95	Carousel greedy: A generalized greedy algorithm with applications in optimization. <i>Computers and Operations Research</i> , <b>2017</b> , 85, 97-112	4.6	33
94	The vehicle routing problem with drones: Extended models and connections. <i>Networks</i> , <b>2017</b> , 70, 34-43	1.6	135
93	Impact of Health Policy Changes on Emergency Medicine in Maryland Stratified by Socioeconomic Status. <i>Western Journal of Emergency Medicine</i> , <b>2017</b> , 18, 356-365	3.3	7
92	Intelligent selection of frequent emergency department patients for case management: A machine learning framework based on claims data. <i>IIE Transactions on Healthcare Systems Engineering</i> , <b>2017</b> , 7, 130-143	1.3	3
91	A hybrid heuristic procedure for the Windy Rural Postman Problem with Zigzag Time Windows. <i>Computers and Operations Research</i> , <b>2017</b> , 88, 247-257	4.6	2
90	Aesthetic considerations for the min-max K-Windy Rural Postman Problem. <i>Networks</i> , <b>2017</b> , 70, 216-232	1.6	6
89	The windy rural postman problem with a time-dependent zigzag option. <i>European Journal of Operational Research</i> , <b>2017</b> , 258, 1131-1142	5.6	11
88	A Flow Formulation for the Close-Enough Arc Routing Problem. <i>Springer Proceedings in Mathematics and Statistics</i> , <b>2017</b> , 539-546	0.2	3
87	Operations research models and methods in the screening, detection, and treatment of prostate cancer: A categorized, annotated review. <i>Operations Research for Health Care</i> , <b>2016</b> , 8, 9-21	1.8	4

86	The min $\bar{m}$ ax split delivery multi-depot vehicle routing problem with minimum service time requirement. <i>Computers and Operations Research</i> , <b>2016</b> , 71, 110-126	4.6	13
85	Drivers of ED efficiency: a statistical and cluster analysis of volume, staffing, and operations. <i>American Journal of Emergency Medicine</i> , <b>2016</b> , 34, 155-61	2.9	15
84	The min-max multi-depot vehicle routing problem: heuristics and computational results. <i>Journal of the Operational Research Society</i> , <b>2015</b> , 66, 1430-1441	2	13
83	Predicting prostate cancer risk using magnetic resonance imaging data. <i>Information Systems and E-Business Management</i> , <b>2015</b> , 13, 599-608	2.6	4
82	Min $\bar{m}$ ax vs. Min $\bar{m}$ um Vehicle Routing: A worst-case analysis. <i>European Journal of Operational Research</i> , <b>2015</b> , 240, 372-381	5.6	29
81	A worst-case analysis for the split delivery capacitated team orienteering problem with minimum delivery amounts. <i>Optimization Letters</i> , <b>2014</b> , 8, 2349-2356	1.1	6
80	The impact of electronic health record implementation on emergency physician efficiency and patient throughput. <i>Healthcare</i> , <b>2014</b> , 2, 201-4	1.8	6
79	The downhill plow problem with multiple plows. <i>Journal of the Operational Research Society</i> , <b>2014</b> , 65, 1465-1474	2	7
78	Multi-period street scheduling and sweeping. <i>International Journal of Metaheuristics</i> , <b>2014</b> , 3, 21	0.8	3
77	Life Is All about Timing: An Examination of Differences in Treatment Quality for Trauma Patients Based on Hospital Arrival Time. <i>Production and Operations Management</i> , <b>2014</b> , 23, 2178-2190	3.6	15
76	Early detection of bioterrorism: Monitoring disease using an agent-based model <b>2014</b> ,		3
75	Chapter 14: Vehicle Routing Applications in Disaster Relief <b>2014</b> , 409-436		6
74	Vehicle routing problems in which consistency considerations are important: A survey. <i>Networks</i> , <b>2014</b> , 64, 192-213	1.6	62
73	A worst-case analysis for the split delivery vehicle routing problem with minimum delivery amounts. <i>Optimization Letters</i> , <b>2013</b> , 7, 1597-1609	1.1	9
72	The hierarchical traveling salesman problem. <i>Optimization Letters</i> , <b>2013</b> , 7, 1517-1524	1.1	12
71	Plowing with precedence: A variant of the windy postman problem. <i>Computers and Operations Research</i> , <b>2013</b> , 40, 1047-1059	4.6	18
70	The impact of the residency teaching model on the efficiency of the emergency department at an academic center. <i>Socio-Economic Planning Sciences</i> , <b>2013</b> , 47, 183-190	3.7	1
69	Applications of Agent-Based Modeling and Simulation to Healthcare Operations Management. <i>Profiles in Operations Research</i> , <b>2013</b> , 45-74	1	19

68	Optimizing throughput of a multi-room proton therapy treatment center via simulation <b>2013</b> ,		2
67	An empirical analysis of the effect of residents on emergency department treatment times. <i>IIE Transactions on Healthcare Systems Engineering</i> , <b>2013</b> , 3, 171-180		3
66	The impact of hospital utilization on patient readmission rate. <i>Health Care Management Science</i> , <b>2012</b> , 15, 29-36	4	33
65	The Generalized Covering Salesman Problem. <i>INFORMS Journal on Computing</i> , <b>2012</b> , 24, 534-553	2.4	47
64	Exploring the effects of network structure and healthcare worker behavior on the transmission of hospital-acquired infections. <i>IIE Transactions on Healthcare Systems Engineering</i> , <b>2012</b> , 2, 259-273		4
63	The period vehicle routing problem: New heuristics and real-world variants. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2011</b> , 47, 648-668	9	41
62	Reducing Boarding in a Post-Anesthesia Care Unit. <i>Production and Operations Management</i> , <b>2011</b> , 20, 431-441	3.6	31
61	The multi-depot split delivery vehicle routing problem: An integer programming-based heuristic, new test problems, and computational results. <i>Computers and Industrial Engineering</i> , <b>2011</b> , 61, 794-804	6.4	54
60	Examining the discharge practices of surgeons at a large medical center. <i>Health Care Management Science</i> , <b>2011</b> , 14, 338-47	4	43
59	An application of factorial design to compare the relative effectiveness of hospital infection control measures <b>2011</b> ,		3
58	A Parallel Algorithm for the Vehicle Routing Problem. <i>INFORMS Journal on Computing</i> , <b>2011</b> , 23, 315-330	2.4	45
57	A dynamic patient network model of hospital-acquired infections <b>2010</b> ,		4
56	The split delivery vehicle routing problem with minimum delivery amounts. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , <b>2010</b> , 46, 612-626	9	42
55	MRSA Transmission Reduction Using Agent-Based Modeling and Simulation. <i>INFORMS Journal on Computing</i> , <b>2010</b> , 22, 635-646	2.4	29
54	A library of local search heuristics for the vehicle routing problem. <i>Mathematical Programming Computation</i> , <b>2010</b> , 2, 79-101	7.8	98
53	The effective application of a new approach to the generalized orienteering problem. <i>Journal of Heuristics</i> , <b>2010</b> , 16, 393-415	1.9	18
52	Variable neighborhood search for the cost constrained minimum label spanning tree and label constrained minimum spanning tree problems. <i>Computers and Operations Research</i> , <b>2010</b> , 37, 1952-1964	4.6	5
51	Comparison of Metaheuristics. <i>Profiles in Operations Research</i> , <b>2010</b> , 625-640	1	33

50	The Consistent Vehicle Routing Problem. <i>Manufacturing and Service Operations Management</i> , <b>2009</b> , 11, 630-643	4.6	121
49	The balanced billing cycle vehicle routing problem. <i>Networks</i> , <b>2009</b> , 54, 243-254	1.6	11
48	A Weight Annealing Algorithm for Solving Two-dimensional Bin Packing Problems <b>2009</b> , 121-146		1
47	Using a Genetic Algorithm to Solve the Generalized Orienteering Problem. <i>Operations Research/Computer Science Interfaces Series</i> , <b>2008</b> , 263-274	0.3	20
46	Recent Developments in Modeling and Solving the Split Delivery Vehicle Routing Problem <b>2008</b> , 170-180		5
45	The Label-Constrained Minimum Spanning Tree Problem. <i>Operations Research/Computer Science Interfaces Series</i> , <b>2008</b> , 39-58	0.3	6
44	The prize-collecting generalized minimum spanning tree problem. <i>Journal of Heuristics</i> , <b>2008</b> , 14, 69-93	1.9	12
43	Solving the one-dimensional bin packing problem with a weight annealing heuristic. <i>Computers and Operations Research</i> , <b>2008</b> , 35, 2283-2291	4.6	37
42	The Generalized Traveling Salesman Problem: A New Genetic Algorithm Approach <b>2007</b> , 165-181		21
41	The split delivery vehicle routing problem: Applications, algorithms, test problems, and computational results. <i>Networks</i> , <b>2007</b> , 49, 318-329	1.6	78
40	A record-to-record travel algorithm for solving the heterogeneous fleet vehicle routing problem. <i>Computers and Operations Research</i> , <b>2007</b> , 34, 2734-2742	4.6	125
39	The open vehicle routing problem: Algorithms, large-scale test problems, and computational results. <i>Computers and Operations Research</i> , <b>2007</b> , 34, 2918-2930	4.6	145
38	Ranking US Army Generals of the 20th Century: A Group Decision-Making Application of the Analytic Hierarchy Process. <i>Interfaces</i> , <b>2007</b> , 37, 163-175	0.7	7
37	The Colorful Traveling Salesman Problem <b>2007</b> , 115-123		13
36	The Multilevel Capacitated Minimum Spanning Tree Problem. <i>INFORMS Journal on Computing</i> , <b>2006</b> , 18, 348-365	2.4	11
35	Improved Heuristics for the Minimum Label Spanning Tree Problem. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2006</b> , 10, 700-703	15.6	25
34	A divide-and-conquer local search heuristic for data visualization. <i>Computers and Operations Research</i> , <b>2006</b> , 33, 3070-3087	4.6	9
33	Worst-case behavior of the MVCA heuristic for the minimum labeling spanning tree problem. <i>Operations Research Letters</i> , <b>2005</b> , 33, 77-80	1	32

32	Linear programming models for estimating weights in the analytic hierarchy process. <i>Computers and Operations Research</i> , <b>2005</b> , 32, 2235-2254	4.6	87
31	Very large-scale vehicle routing: new test problems, algorithms, and results. <i>Computers and Operations Research</i> , <b>2005</b> , 32, 1165-1179	4.6	167
30	Heuristic Search for Network Design <b>2005</b> , 1-1-1-46		2
29	Solving the Time Dependent Traveling Salesman Problem <b>2005</b> , 163-182		11
28	Heuristic Search for the Generalized Minimum Spanning Tree Problem. <i>INFORMS Journal on Computing</i> , <b>2005</b> , 17, 290-304	2.4	39
27	A Genetic Algorithm-Based Approach for Building Accurate Decision Trees. <i>INFORMS Journal on Computing</i> , <b>2003</b> , 15, 3-22	2.4	35
26	Visualizing group decisions in the analytic hierarchy process. <i>Computers and Operations Research</i> , <b>2003</b> , 30, 1435-1445	4.6	70
25	A visualization model based on adjacency data. <i>Decision Support Systems</i> , <b>2002</b> , 33, 349-362	5.6	17
24	Using Experimental Design to Find Effective Parameter Settings for Heuristics. <i>Journal of Heuristics</i> , <b>2001</b> , 7, 77-97	1.9	145
23	A Computational Study Of A New Heuristic For The Site-Dependent Vehicle Routing Problem. <i>Infor</i> , <b>1999</b> , 37, 319-336	0.5	31
22	The Impact of Metaheuristics on Solving the Vehicle Routing Problem: Algorithms, Problem Sets, and Computational Results <b>1998</b> , 33-56		150
21	An Operational Analysis Of Shell Planting Strategies For Improving The Survival Of Oyster Larvae In The Chesapeake Bay. <i>Infor</i> , <b>1996</b> , 34, 181-196	0.5	
20	A fast and effective heuristic for the orienteering problem. <i>European Journal of Operational Research</i> , <b>1996</b> , 88, 475-489	5.6	230
19	An improved heuristic for the period vehicle routing problem. <i>Networks</i> , <b>1995</b> , 26, 25-44	1.6	96
18	Estimating the length of the optimal TSP tour: An empirical study using regression and neural networks. <i>Computers and Operations Research</i> , <b>1995</b> , 22, 1039-1046	4.6	33
17	A New Heuristic for the Multi-Depot Vehicle Routing Problem that Improves upon Best-Known Solutions. <i>American Journal of Mathematical and Management Sciences</i> , <b>1993</b> , 13, 371-406	0.6	72
16	Large-scale controlled rounding using tabu search with strategic oscillation. <i>Annals of Operations Research</i> , <b>1993</b> , 41, 69-84	3.2	32
15	Site Location Applications. <i>American Journal of Mathematical and Management Sciences</i> , <b>1992</b> , 12, 1-2	0.6	

14	Vehicle Routing by Land, Sea, and Air. <i>Interfaces</i> , <b>1992</b> , 22, 1-3	0.7	37
13	Using Simulated Annealing to Solve Controlled Rounding Problems. <i>ORSA Journal on Computing</i> , <b>1990</b> , 2, 174-185		18
12	OR Practice Computerized Vehicle Routing in the Soft Drink Industry. <i>Operations Research</i> , <b>1987</b> , 35, 6-17	2.3	74
11	The orienteering problem. <i>Naval Research Logistics</i> , <b>1987</b> , 34, 307-318	1.5	432
10	Transforming arc routing into node routing problems. <i>Computers and Operations Research</i> , <b>1987</b> , 14, 285-288	4.6	71
9	The orienteering problem <b>1987</b> , 34, 307		5
8	Using simulated annealing to solve routing and location problems. <i>Naval Research Logistics Quarterly</i> , <b>1986</b> , 33, 261-279		124
7	Vehicle Routing with Time-Window Constraints. <i>American Journal of Mathematical and Management Sciences</i> , <b>1986</b> , 6, 251-260	0.6	13
6	A new heuristic for determining fleet size and composition. <i>Mathematical Programming Studies</i> , <b>1986</b> , 233-236		24
5	The fleet size and mix vehicle routing problem. <i>Computers and Operations Research</i> , <b>1984</b> , 11, 49-66	4.6	288
4	Classification in vehicle routing and scheduling. <i>Networks</i> , <b>1981</b> , 11, 97-108	1.6	207
3	Interval estimation of a global optimum for large combinatorial problems. <i>Naval Research Logistics Quarterly</i> , <b>1979</b> , 26, 69-77		69
2	The multivisit drone routing problem with edge launches: An iterative approach with discrete and continuous improvements. <i>Networks</i> ,	1.6	1
1	A Steiner-Zone Heuristic for Solving the Close-Enough Traveling Salesman Problem		7