Zvi Drezner

List of Publications by Year in Descending Order

74 papers	1,553 citations	24 h-index	36 g-index
74 ext. papers	1,735 ext. citations	2.8 avg, IF	5.29 L-index

#	Paper	IF	Citations
74	Less Is More Approach in Heuristic Optimization **2022**, 469-499		0
73	The obnoxious facilities planar p-median problem. *OR Spectrum*, **2021**, 43, 577	1.9	5
72	Asymmetric distance location model. *Infor*, **2021**, 59, 102-110	0.5	2
71	Directional approach to gradual cover: the continuous case. *Computational Management Science*, **2021**, 18, 25-47	1	2
70	Multiple obnoxious facilities location: A cooperative model. *IISE Transactions*, **2020**, 52, 1403-1412	3.3	9
69	Gradual cover competitive facility location. *OR Spectrum*, **2020**, 42, 333-354	1.9	4
68	Solving nonconvex nonlinear programs with reverse convex constraints by sequential linear programming. *International Transactions in Operational Research*, **2020**, 27, 1320-1342	2.9	6
67	Facility Dependent Distance Decay in Competitive Location. *Networks and Spatial Economics*, **2020**, 20, 915-934	1.9	4
66	Directional approach to gradual cover: a maximin objective. *Computational Management Science*, **2020**, 17, 121-139	1	1
65	Biologically Inspired Parent Selection in Genetic Algorithms. *Annals of Operations Research*, **2020**, 287, 161-183	3.2	15
64	Locating multiple facilities using the max-sum objective. *Computers and Industrial Engineering*, **2019**, 129, 136-143	6.4	7
63	Taking advantage of symmetry in some quadratic assignment problems. *Infor*, **2019**, 57, 623-641	0.5	2
62	The multiple gradual cover location problem. *Journal of the Operational Research Society*, **2019**, 70, 931-940	2	18
61	Solving multiple facilities location problems with separated clusters. *Operations Research Letters*, **2019**, 47, 386-390	1	4
60	A cover based competitive facility location model with continuous demand. *Naval Research Logistics*, **2019**, 66, 565-581	1.5	4
59	A directional approach to gradual cover. *Top*, **2019**, 27, 70-93	1.3	10
58	The planar multifacility collection depots location problem. *Computers and Operations Research*, **2019**, 102, 121-129	4.6	7

57	Cooperative Cover of Uniform Demand. *Networks and Spatial Economics*, **2019**, 19, 819-831	1.9	5
56	The Weber obnoxious facility location model: A Big Arc Small Arc approach. *Computers and Operations Research*, **2018**, 98, 240-250	4.6	20
55	Incorporating neighborhood reduction for the solution of the planar p-median problem. *Annals of Operations Research*, **2017**, 258, 639-654	3.2	17
54	The continuous grey pattern problem. *Journal of the Operational Research Society*, **2017**, 68, 469-483	2	5
53	Sequential location of two facilities: comparing random to optimal location of the first facility. *Annals of Operations Research*, **2016**, 246, 5-18	3.2	2
52	Mixed planar and network single-facility location problems. *Networks*, **2016**, 68, 271-282	1.6	9
51	Maximizing the minimum cover probability by emergency facilities. *Annals of Operations Research*, **2016**, 246, 349-362	3.2	8
50	New local searches for solving the multi-source Weber problem. *Annals of Operations Research*, **2016**, 246, 181-203	3.2	25
49	The wisdom of voters: evaluating the Weber objective in the plane at the Condorcet solution. *Annals of Operations Research*, **2016**, 246, 205-226	3.2	4
48	A location-allocation problem with concentric circles. *IIE Transactions*, **2015**, 47, 1397-1406		4
47	Solving the planar p-median problem by variable neighborhood and concentric searches. *Journal of Global Optimization*, **2015**, 63, 501-514	1.5	13
46	New heuristic algorithms for solving the planar p-median problem. *Computers and Operations Research*, **2015**, 62, 296-304	4.6	44
45	The fortified Weiszfeld algorithm for solving the Weber problem. *IMA Journal of Management Mathematics*, **2015**, 26, 1-9	1.4	14
44	Exact algorithms for the solution of the grey pattern quadratic assignment problem. *Mathematical Methods of Operations Research*, **2015**, 82, 85-105	1	10
43	The maximin gradual cover location problem. *OR Spectrum*, **2014**, 36, 903-921	1.9	19
42	A new local search for continuous location problems. *European Journal of Operational Research*, **2014**, 232, 256-265	5.6	55
41	Covering Part of a Planar Network. *Networks and Spatial Economics*, **2014**, 14, 629-646	1.9	4
40	The Quintile Share Ratio in location analysis. *European Journal of Operational Research*, **2014**, 238, 166-174	5.6	15

39	Fitting concentric circles to measurements. *Mathematical Methods of Operations Research*, **2014**, 79, 119-133	1	7
38	Location of a distribution center for a perishable product. *Mathematical Methods of Operations Research*, **2013**, 78, 301-314	1	15
37	Enhancing the performance of hybrid genetic algorithms by differential improvement. *Computers and Operations Research*, **2013**, 40, 1038-1046	4.6	34
36	Solving planar location problems by global optimization. *Logistics Research*, **2013**, 6, 17-23		7
35	Voronoi diagrams with overlapping regions. *OR Spectrum*, **2013**, 35, 543-561	1.9	2
34	A new heuristic for solving the p-median problem in the plane. *Computers and Operations Research*, **2013**, 40, 427-437	4.6	37
33	Continuous covering and cooperative covering problems with a general decay function on networks. *Journal of the Operational Research Society*, **2013**, 64, 1644-1653	2	6
32	Strategic competitive location: improving existing and establishing new facilities. *Journal of the Operational Research Society*, **2012**, 63, 1720-1730	2	29
31	Modelling lost demand in competitive facility location. *Journal of the Operational Research Society*, **2012**, 63, 201-206	2	23
30	Discrete cooperative covering problems. *Journal of the Operational Research Society*, **2011**, 62, 2002-2012	2	26
29	A cover-based competitive location model. *Journal of the Operational Research Society*, **2011**, 62, 100-113	2	33
28	The gravity multiple server location problem. *Computers and Operations Research*, **2011**, 38, 694-701	4.6	24
27	Covering continuous demand in the plane. *Journal of the Operational Research Society*, **2010**, 61, 878-881	2	20
26	On the unboundedness of facility layout problems. *Mathematical Methods of Operations Research*, **2010**, 72, 205-216	1	5
25	Solving scheduling and location problems in the plane simultaneously. *Computers and Operations Research*, **2010**, 37, 256-264	4.6	23
24	Optimizing the Location of a Production Firm. *Networks and Spatial Economics*, **2010**, 10, 411-425	1.9	6
23	Generalized coverage: New developments in covering location models. *Computers and Operations Research*, **2010**, 37, 1675-1687	4.6	123
22	On the convergence of the generalized Weiszfeld algorithm. *Annals of Operations Research*, **2009**, 167, 327-336	3.2	12

21	Optimal location with equitable loads. *Annals of Operations Research*, **2009**, 167, 307-325	3.2	39
20	Equitable service by a facility: Minimizing the Gini coefficient. *Computers and Operations Research*, **2009**, 36, 3240-3246	4.6	57
19	The variable radius covering problem. *European Journal of Operational Research*, **2009**, 196, 516-525	5.6	45
18	Location of a facility minimizing nuisance to or from a planar network. *Computers and Operations Research*, **2009**, 36, 135-148	4.6	20
17	Solving the ordered one-median problem in the plane. *European Journal of Operational Research*, **2009**, 195, 46-61	5.6	27
16	The multiple location of transfer points. *Journal of the Operational Research Society*, **2008**, 59, 805-811	2	20
15	The multiple server location problem. *Journal of the Operational Research Society*, **2007**, 58, 91-99	2	56
14	A distribution map for the one-median location problem on a network. *European Journal of Operational Research*, **2007**, 179, 1266-1273	5.6	4
13	A General Global Optimization Approach for Solving Location Problems in the Plane. *Journal of Global Optimization*, **2007**, 37, 305-319	1.5	48
12	Finding a cluster of points and the grey pattern quadratic assignment problem. *OR Spectrum*, **2006**, 28, 417-436	1.9	20
11	Compounded genetic algorithms for the quadratic assignment problem. *Operations Research Letters*, **2005**, 33, 475-480	1	29
10	The facility and transfer points location problem. *International Transactions in Operational Research*, **2005**, 12, 387-402	2.9	32
9	Recent Advances for the Quadratic Assignment Problem with Special Emphasis on Instances that are Difficult for Meta-Heuristic Methods. *Annals of Operations Research*, **2005**, 139, 65-94	3.2	75
8	A Probabilistic Minimax Location Problem on the Plane. *Annals of Operations Research*, **2003**, 122, 59-70	3.2	25
7	A competitive facility location problem on a tree network with stochastic weights. *European Journal of Operational Research*, **2003**, 149, 47-52	5.6	52
6	The Minimax and Maximin Location Problems on a Network with Uniform Distributed Weights. *IIE Transactions*, **2003**, 35, 1017-1025		21
5	Solving the multiple competitive facilities location problem. *European Journal of Operational Research*, **2002**, 142, 138-151	5.6	86
4	On the circle closest to a set of points. *Computers and Operations Research*, **2002**, 29, 637-650	4.6	45

3	Validating the Gravity-Based Competitive Location Model Using Inferred Attractiveness. *Annals of Operations Research*, **2002**, 111, 227-237	3.2	38
2	Allocation of demand when cost is demand-dependent. *Computers and Operations Research*, **1999**, 26, 1-15	4.6	6
1	Optimal axis orientation for rectilinear minisum and minimax location. *IIE Transactions*, **1998**, 30, 981-986		3