

# Bahar Y Kara

## List of Publications by Year in descending order

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57  
papers

3,819  
citations

126708

33  
h-index

168136

53  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2057  
citing authors

#	ARTICLE	IF	CITATIONS
1	Network hub location problems: The state of the art. <i>European Journal of Operational Research</i> , 2008, 190, 1-21.	3.5	720
2	Designing a Road Network for Hazardous Materials Transportation. <i>Transportation Science</i> , 2004, 38, 188-196.	2.6	257
3	A new model for the hazardous waste location-routing problem. <i>Computers and Operations Research</i> , 2007, 34, 1406-1423.	2.4	235
4	Locating temporary shelter areas after an earthquake: A case for Turkey. <i>European Journal of Operational Research</i> , 2015, 243, 323-332.	3.5	189
5	Multimodal hub location and hub network design. <i>Omega</i> , 2012, 40, 927-939.	3.6	165
6	The design of single allocation incomplete hub networks. <i>Transportation Research Part B: Methodological</i> , 2009, 43, 936-951.	2.8	150
7	On the single-assignment p-hub center problem. <i>European Journal of Operational Research</i> , 2000, 125, 648-655.	3.5	128
8	A hub covering model for cargo delivery systems. <i>Networks</i> , 2007, 49, 28-39.	1.6	120
9	A tabu-search based heuristic for the hub covering problem over incomplete hub networks. <i>Computers and Operations Research</i> , 2009, 36, 3088-3096.	2.4	120
10	Hierarchical multimodal hub location problem with time-definite deliveries. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2012, 48, 1107-1120.	3.7	113
11	A Path-Based Approach for Hazmat Transport Network Design. <i>Management Science</i> , 2008, 54, 29-40.	2.4	108
12	A GIS-Based Framework for Hazardous Materials Transport Risk Assessment. <i>Risk Analysis</i> , 2001, 21, 1109-1120.	1.5	94
13	The Latest Arrival Hub Location Problem. <i>Management Science</i> , 2001, 47, 1408-1420.	2.4	91
14	Perspectives on modeling hub location problems. <i>European Journal of Operational Research</i> , 2021, 291, 1-17.	3.5	88
15	The latest arrival hub location problem for cargo delivery systems with stopovers. <i>Transportation Research Part B: Methodological</i> , 2007, 41, 906-919.	2.8	82
16	Designing emergency response networks for hazardous materials transportation. <i>Computers and Operations Research</i> , 2007, 34, 1374-1388.	2.4	81
17	Selective vehicle routing for a mobile blood donation system. <i>European Journal of Operational Research</i> , 2015, 245, 22-34.	3.5	65
18	Hazardous waste management system design under population and environmental impact considerations. <i>Journal of Environmental Management</i> , 2017, 203, 720-731.	3.8	63

#	ARTICLE	IF	CITATIONS
19	Post-disaster assessment routing problem. <i>Transportation Research Part B: Methodological</i> , 2018, 116, 76-102.	2.8	62
20	Hub location under competition. <i>European Journal of Operational Research</i> , 2016, 250, 214-225.	3.5	55
21	The green location-routing problem. <i>Computers and Operations Research</i> , 2019, 105, 187-202.	2.4	54
22	A hub covering network design problem for cargo applications in Turkey. <i>Journal of the Operational Research Society</i> , 2009, 60, 1349-1359.	2.1	53
23	Hazardous waste management problem: The case for incineration. <i>Computers and Operations Research</i> , 2007, 34, 1424-1441.	2.4	51
24	The P-Hub maximal covering problem and extensions for gradual decay functions. <i>Omega</i> , 2015, 54, 158-172.	3.6	50
25	Debris removal during disaster response: A case for Turkey. <i>Socio-Economic Planning Sciences</i> , 2016, 53, 49-59.	2.5	50
26	Modeling the shelter site location problem using chance constraints: A case study for Istanbul. <i>European Journal of Operational Research</i> , 2018, 270, 132-145.	3.5	50
27	Humanitarian facility location under uncertainty: Critical review and future prospects. <i>Omega</i> , 2021, 102, 102393.	3.6	49
28	Routing and scheduling decisions in the hierarchical hub location problem. <i>Computers and Operations Research</i> , 2017, 85, 45-57.	2.4	42
29	Minimizing energy and cost in range-limited drone deliveries with speed optimization. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 125, 102985.	3.9	40
30	Green hub location problem. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019, 125, 116-139.	3.7	39
31	Solution methodologies for debris removal in disaster response. <i>EURO Journal on Computational Optimization</i> , 2016, 4, 403-445.	1.5	37
32	Release Time Scheduling and Hub Location for Next-Day Delivery. <i>Operations Research</i> , 2012, 60, 906-917.	1.2	35
33	Efficient simulated annealing based solution approaches to the competitive single and multiple allocation hub location problems. <i>Computers and Operations Research</i> , 2018, 90, 173-192.	2.4	35
34	Shelter site location under multi-hazard scenarios. <i>Computers and Operations Research</i> , 2019, 106, 102-118.	2.4	29
35	A New Formulation Approach for Location-Routing Problems. <i>Networks and Spatial Economics</i> , 2012, 12, 635-659.	0.7	20
36	Hub Location Problems: The Location of Interacting Facilities. <i>Profiles in Operations Research</i> , 2011, , 273-288.	0.3	19

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37	Benders Decomposition Algorithms for Two Variants of the Single Allocation Hub Location Problem. <i>Networks and Spatial Economics</i> , 2019, 19, 83-108.	0.7	19
38	Spatial Analysis of Single Allocation Hub Location Problems. <i>Networks and Spatial Economics</i> , 2016, 16, 1075-1101.	0.7	16
39	An efficient algorithm for the single machine total tardiness problem. <i>IIE Transactions</i> , 2001, 33, 661-674.	2.1	15
40	A conditional $\hat{\rho}^2$ -mean approach to risk-averse stochastic multiple allocation hub location problems. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2022, 158, 102602.	3.7	14
41	Hub Location Problem with Allowed Routing between Nonhub Nodes. <i>Geographical Analysis</i> , 2015, 47, 410-430.	1.9	12
42	Fiber optical network design problems: A case for Turkey. <i>Omega</i> , 2016, 63, 23-40.	3.6	12
43	Distribution network design on the battlefield. <i>Naval Research Logistics</i> , 2011, 58, 188-209.	1.4	10
44	Organ transplantation logistics: a case for Turkey. <i>OR Spectrum</i> , 2019, 41, 327-356.	2.1	10
45	The refugee camp management: a general framework and a unifying decision-making model. <i>Journal of Humanitarian Logistics and Supply Chain Management</i> , 2019, 9, 131-150.	1.7	9
46	Location and Logistics. , 2015, , 419-441.		9
47	Fair allocation of personal protective equipment to health centers during early phases of a pandemic. <i>Computers and Operations Research</i> , 2022, 141, 105690.	2.4	8
48	Humanitarian Logistics. , 2017, , 272-309.		7
49	The stratified $p$ -hub center and $p$ -hub maximal covering problems. <i>Transportation Research, Part B: Methodological</i> , 2022, 157, 120-140.	2.8	7
50	An Efficient Algorithm for the Single Machine Total Tardiness Problem. <i>IIE Transactions</i> , 2001, 33, 661-674.	2.1	6
51	Covering vehicle routing problem: application for mobile child friendly spaces for refugees. <i>OR Spectrum</i> , 2022, 44, 461-484.	2.1	6
52	Planning sustainable routes: Economic, environmental and welfare concerns. <i>European Journal of Operational Research</i> , 2022, 301, 110-123.	3.5	6
53	Mobile healthcare services in rural areas: an application with periodic location routing problem. <i>OR Spectrum</i> , 2022, 44, 875-910.	2.1	6
54	Endogenous Effects of Hubbing on Flow Intensities. <i>Networks and Spatial Economics</i> , 2016, 16, 1151-1181.	0.7	4

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55	Clean Water Network Design for Refugee Camps. Networks and Spatial Economics, 2021, 21, 175-198.	0.7	3
56	Location Problems in Humanitarian Supply Chains. , 2019, , 611-629.		1
57	Comments on: Static and dynamic source locations in undirected networks. Top, 2015, 23, 650-651.	1.1	0