Reza Zanjirani Farahani

List of Publications by Citations

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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.

85 papers	4,896 citations	33 h-index	69 g-index
87 ext. papers	5,663 ext. citations	5.2 avg, IF	6.1 L-index

#	Paper	IF	Citations
85	A review of urban transportation network design problems. *European Journal of Operational Research*, **2013**, 229, 281-302	5.6	379
84	Multiple criteria facility location problems: A survey. *Applied Mathematical Modelling*, **2010**, 34, 1689-1709	4.5	372
83	Covering problems in facility location: A review. *Computers and Industrial Engineering*, **2012**, 62, 368-407	6.4	354
82	Hub location problems: A review of models, classification, solution techniques, and applications. *Computers and Industrial Engineering*, **2013**, 64, 1096-1109	6.4	334
81	A memetic algorithm for bi-objective integrated forward/reverse logistics network design. *Computers and Operations Research*, **2010**, 37, 1100-1112	4.6	302
80	Robust supply chain network design with service level against disruptions and demand uncertainties: A real-life case. *European Journal of Operational Research*, **2013**, 227, 199-215	5.6	274
79	Fuzzy AHP to determine the relative weights of evaluation criteria and Fuzzy TOPSIS to rank the alternatives. *Applied Soft Computing Journal*, **2010**, 10, 520-528	7.5	254
78	Competitive supply chain network design: An overview of classifications, models, solution techniques and applications. *Omega*, **2014**, 45, 92-118	7.2	251
77	Facility location dynamics: An overview of classifications and applications. *Computers and Industrial Engineering*, **2012**, 62, 408-420	6.4	185
76	A genetic algorithm to optimize the total cost and service level for just-in-time distribution in a supply chain. *International Journal of Production Economics*, **2008**, 111, 229-243	9.3	148
75	A review and critique on integrated production□distribution planning models and techniques. *Journal of Manufacturing Systems*, **2013**, 32, 1-19	9.1	143
74	Resilient supply chain network design under competition: A case study. *European Journal of Operational Research*, **2017**, 259, 1017-1035	5.6	114
73	Hierarchical facility location problem: Models, classifications, techniques, and applications. *Computers and Industrial Engineering*, **2014**, 68, 104-117	6.4	112
72	Disaster Management from a POM Perspective: Mapping a New Domain. *Production and Operations Management*, **2016**, 25, 1611-1637	3.6	108
71	Combination of MCDM and covering techniques in a hierarchical model for facility location: A case study. *European Journal of Operational Research*, **2007**, 176, 1839-1858	5.6	76
70	Benders□decomposition for concurrent redesign of forward and closed-loop supply chain network with demand and return uncertainties. *Transportation Research, Part E: Logistics and Transportation Review*, **2015**, 79, 1-21	9	67
69	A distribution planning model for natural gas supply chain: A case study. *Energy Policy*, **2009**, 37, 799-812	7.2	64

68	Location-inventory problem in supply chains: a modelling review. *International Journal of Production Research*, **2015**, 53, 3769-3788	7.8	63
67	Optimizing reserve capacity of urban road networks in a discrete Network Design Problem. *Advances in Engineering Software*, **2011**, 42, 1041-1050	3.6	59
66	Hybrid Evolutionary Metaheuristics for Concurrent Multi-Objective Design of Urban Road and Public Transit Networks. *Networks and Spatial Economics*, **2012**, 12, 441-480	1.9	55
65	Competitive closed-loop supply chain network design with price-dependent demands. *Journal of Cleaner Production*, **2015**, 93, 251-272	10.3	52
64	Developing lean and responsive supply chains: A robust model for alternative risk mitigation strategies in supply chain designs. *International Journal of Production Economics*, **2017**, 183, 632-653	9.3	50
63	OR models in urban service facility location: A critical review of applications and future developments. *European Journal of Operational Research*, **2019**, 276, 1-27	5.6	47
62	Bi-objective bimodal urban road network design using hybrid metaheuristics. *Central European Journal of Operations Research*, **2012**, 20, 583-621	2.2	47
61	Strategic design of competing centralized supply chain networks for markets with deterministic demands. *Advances in Engineering Software*, **2010**, 41, 810-822	3.6	47
60	Mass casualty management in disaster scene: A systematic review of OR&MS research in humanitarian operations. *European Journal of Operational Research*, **2020**, 287, 787-819	5.6	45
59	Supply chain management 1982–2015: a review. *IMA Journal of Management Mathematics*, **2016**, 27, 353-378	1.4	44
58	Multi-objective discrete urban road network design. *Computers and Operations Research*, **2013**, 40, 2429-2449	4.6	42
57	Single facility location and relocation problem with time dependent weights and discrete planning horizon. *Annals of Operations Research*, **2009**, 167, 353-368	3.2	40
56	Network design approach for hub ports-shipping companies competition and cooperation. *Transportation Research, Part A: Policy and Practice*, **2013**, 48, 1-18	3.7	39
55	Designing a new supply chain for competition against an existing supply chain. *Transportation Research, Part E: Logistics and Transportation Review*, **2014**, 67, 124-140	9	37
54	Developing model-based software to optimise wheat storage and transportation: A real-world application. *Applied Soft Computing Journal*, **2013**, 13, 1074-1084	7.5	37
53	Integrated aggregate supply chain planning using memetic algorithm – A performance analysis case study. *International Journal of Production Research*, **2013**, 51, 5354-5373	7.8	36
52	A hybrid two-stock inventory control model for a reverse supply chain. *Transportation Research, Part E: Logistics and Transportation Review*, **2014**, 67, 141-161	9	32
51	A memetic algorithm for a multi-objective obnoxious waste location-routing problem: a case study. *Annals of Operations Research*, **2017**, 250, 279-308	3.2	30

50	Time-dependent discrete road network design with both tactical and strategic decisions. *Journal of the Operational Research Society*, **2015**, 66, 894-913	2	29
49	Coordination of advertising in supply chain management with cooperating manufacturer and retailers. *IMA Journal of Management Mathematics*, **2013**, 24, 1-19	1.4	25
48	Strategic design of competing supply chain networks with foresight. *Advances in Engineering Software*, **2011**, 42, 130-141	3.6	25
47	Strategic design of competing supply chain networks for inelastic demand. *Journal of the Operational Research Society*, **2011**, 62, 1784-1795	2	25
46	Supply chain network design under oligopolistic price and service level competition with foresight. *Computers and Industrial Engineering*, **2014**, 72, 129-142	6.4	24
45	A hybrid artificial bee colony for disruption in a hierarchical maximal covering location problem. *Computers and Industrial Engineering*, **2014**, 75, 129-141	6.4	24
44	A practical exact algorithm for the shortest loop design problem in a block layout. *International Journal of Production Research*, **2005**, 43, 1879-1887	7.8	21
43	Fuzzy MCDM for weight of objects phrase in location routing problem. *Applied Mathematical Modelling*, **2016**, 40, 526-541	4.5	20
42	A joint economic lot-size model for an integrated supply network using genetic algorithm. *Applied Mathematics and Computation*, **2007**, 189, 583-596	2.7	19
41	An ant colony-based algorithm for finding the shortest bidirectional path for automated guided vehicles in a block layout. *International Journal of Advanced Manufacturing Technology*, **2013**, 64, 399-409	3.2	18
40	Humanitarian Logistics Planning in Disaster Relief Operations **2011**, 291-332		18
39	Modeling and analysis for determining optimal suppliers under stochastic lead times. *Applied Mathematical Modelling*, **2010**, 34, 1311-1328	4.5	17
38	Concurrent design of product family and supply chain network considering quality and price. *Transportation Research, Part E: Logistics and Transportation Review*, **2015**, 81, 18-35	9	16
37	Bi-objective vibration damping optimization for congested location pricing problem. *Computers and Operations Research*, **2016**, 70, 87-100	4.6	16
36	Designing an efficient method for tandem AGV network design problem using tabu search. *Applied Mathematics and Computation*, **2006**, 183, 1410-1421	2.7	16
35	MULTI-LEVEL OPTIMIZATION OF AN AUTOMOTIVE CLOSED-LOOP SUPPLY CHAIN NETWORK WITH INTERACTIVE FUZZY PROGRAMMING APPROACHES. *Technological and Economic Development of Economy*, **2018**, 24, 1004-1028	4.7	16
34	Understanding econo-political risks: impact of sanctions on an automotive supply chain. *International Journal of Operations and Production Management*, **2015**, 35, 1567-1591	6.8	14
33	A machine-to-loop assignment and layout design methodology for tandem AGV systems with single-load vehicles. *International Journal of Production Research*, **2011**, 49, 3605-3633	7.8	14

32	Dynamic Facility Location Problem. *Contributions To Management Science*, **2009**, 347-372	0.4	14
31	An integrated approach to determine the block layout, AGV flow path and the location of pick-up/delivery points in single-loop systems. *International Journal of Production Research*, **2009**, 47, 3041-3061	7.8	13
30	Link-based multi-class hazmat routing-scheduling problem: A multiple demon approach. *European Journal of Operational Research*, **2017**, 261, 337-354	5.6	12
29	Designing an efficient method for simultaneously determining the loop and the location of the P/D stations using genetic algorithm. *International Journal of Production Research*, **2007**, 45, 1405-1427	7.8	12
28	Mixed network design using hybrid scatter search. *European Journal of Operational Research*, **2015**, 247, 699-710	5.6	11
27	Designing efficient methods for the tandem AGV network design problem using tabu search and genetic algorithm. *International Journal of Advanced Manufacturing Technology*, **2008**, 36, 996-1009	3.2	10
26	An exact and a simulated annealing algorithm for simultaneously determining flow path and the location of P/D stations in bidirectional path. *Journal of Manufacturing Systems*, **2013**, 32, 648-654	9.1	9
25	Optimization in Natural Gas Network Planning **2011**, 393-420		9
24	Location and Distribution Management of Relief Centers: A Genetic Algorithm Approach. *International Journal of Information Technology and Decision Making*, **2015**, 14, 769-803	2.8	8
23	Equitable location of facilities in a region with probabilistic barriers to travel. *Transportation Research, Part E: Logistics and Transportation Review*, **2019**, 127, 66-85	9	7
22	New forecasting insights on the bullwhip effect in a supply chain. *IMA Journal of Management Mathematics*, **2014**, 25, 259-286	1.4	7
21	A mathematical model for order splitting in a multiple supplier single-item inventory system. *Journal of Manufacturing Systems*, **2013**, 32, 55-67	9.1	7
20	The single facility location problem with time-dependent weights and relocation cost over a continuous time horizon. *Journal of the Operational Research Society*, **2015**, 66, 265-277	2	7
19	Coordination of order and production policy in buyer–vendor chain using PROSA Holonic architecture. *International Journal of Advanced Manufacturing Technology*, **2009**, 45, 1033-1050	3.2	7
18	Locating and capacity planning for retailers of a new supply chain to compete on the plane. *Journal of the Operational Research Society*, **2015**, 66, 1182-1205	2	5
17	Prevention of Terrorism—An Assessment of Prior POM Work and Future Potentials. *Production and Operations Management*, **2020**, 29, 1789-1815	3.6	5
16	Pandemics/Epidemics: Challenges and Opportunities for Operations Management Research. *Manufacturing and Service Operations Management*,	4.6	5
15	A rectilinear distance location–relocation problem with a probabilistic restriction: mathematical modelling and solution approaches. *International Journal of Production Research*, **2016**, 54, 629-646	7.8	4

14	A robust optimization model for a supply chain under uncertainty. *IMA Journal of Management Mathematics*, **2014**, 25, 387-402	1.4	4
13	A game theoretic approach for two echelon supply chains with continuous depletion. *International Journal of Management Science and Engineering Management*, **2011**, 6, 408-412	2.8	4
12	The inventory-routing problem subject to vehicle failure. *Transportation Research, Part E: Logistics and Transportation Review*, **2019**, 126, 254-294	9	3
11	An algorithm and upper bounds for the weighted maximal planar graph problem. *Journal of the Operational Research Society*, **2015**, 66, 1399-1412	2	3
10	Fairness in hazmat routing-scheduling: A bi-objective Stackelberg game. *Transportation Research, Part E: Logistics and Transportation Review*, **2020**, 140, 102006	9	3
9	Impact of timing in post-warning prepositioning decisions on performance measures of disaster management: A real-life application. *European Journal of Operational Research*, **2021**, 293, 312-335	5.6	3
8	Strategic design of a competing supply chain network for markets with deterministic demands. *IMA Journal of Management Mathematics*, **2016**, 27, 109-141	1.4	2
7	A MCDM-based model for vendor selection: a case study in the particleboard industry. *Journal of Forestry Research*, **2012**, 23, 685-690	2	2
6	Risk Management in Gas Networks: A Survey **2011**, 421-439		2
5	Fast Fashion, Charities, and the Circular Economy: Challenges for Operations Management. *Production and Operations Management*,	3.6	2
4	Corrigendum to Developing model-based software to optimize wheat storage and transportation: A real-world application[Appl. Soft Comput. 13 (2013) 1074–1084]. *Applied Soft Computing Journal* , **2013**, 13, 4230	7.5	
3	Future Trends in SCM1885-1902		
2	Future Trends in SCM82-100		
1	Inbound Logistics and Vehicle Routing **2013**, 197-211		