

# Behnam Vahdani

## List of Publications by Year in descending order

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73  
papers

3,128  
citations

101543

36  
h-index

168389

53  
g-index

73  
all docs

73  
docs citations

73  
times ranked

2273  
citing authors

#	ARTICLE	IF	CITATIONS
1	Planning for relief distribution, victim evacuation, redistricting and service sharing under uncertainty. <i>Socio-Economic Planning Sciences</i> , 2022, 80, 101158.	5.0	12
2	Synchronizing victim evacuation and debris removal: A data-driven robust prediction approach. <i>European Journal of Operational Research</i> , 2022, 300, 689-712.	5.7	10
3	Designing a resilient and reliable biomass-to-biofuel supply chain under risk pooling and congestion effects and fleet management. <i>Journal of Cleaner Production</i> , 2021, 281, 125101.	9.3	13
4	Incorporating Price-Dependent Demands into a Multi-Echelon Closed-Loop Network Considering the Lost Sales and Backorders: a Case Study of Wireless Network. <i>Networks and Spatial Economics</i> , 2021, 21, 639-680.	1.6	5
5	A robust neutrosophic fuzzy-based approach to integrate reliable facility location and routing decisions for disaster relief under fairness and aftershocks concerns. <i>Computers and Industrial Engineering</i> , 2020, 148, 106734.	6.3	52
6	Resilient Supplier Selection Through Introducing a New Interval-Valued Intuitionistic Fuzzy Evaluation and Decision-Making Framework. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 7351-7360.	3.0	34
7	A truck scheduling problem at a cross-docking facility with mixed service mode dock doors. <i>Engineering Computations</i> , 2019, 36, 1977-2009.	1.4	8
8	Designing a realistic ICT closed loop supply chain network with integrated decisions under uncertain demand and lead time. <i>Knowledge-Based Systems</i> , 2019, 179, 34-54.	7.1	14
9	Robust gasoline closed loop supply chain design with redistricting, service sharing and intra-district service transfer. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2019, 123, 121-141.	7.4	45
10	Bi-objective optimization for integrating quay crane and internal truck assignment with challenges of trucks sharing. <i>Knowledge-Based Systems</i> , 2019, 163, 675-692.	7.1	30
11	Assignment and scheduling trucks in cross-docking system with energy consumption consideration and trucks queuing. <i>Journal of Cleaner Production</i> , 2019, 213, 21-41.	9.3	33
12	A NEW DECISION MODEL FOR CROSS-DOCKING CENTER LOCATION IN LOGISTICS NETWORKS UNDER INTERVAL-VALUED INTUITIONISTIC FUZZY UNCERTAINTY. <i>Transport</i> , 2019, 34, 30-40.	1.2	29
13	Designing a bio-fuel network considering links reliability and risk-pooling effect in bio-refineries. <i>Reliability Engineering and System Safety</i> , 2018, 174, 96-107.	8.9	17
14	Multi-objective, multi-period location-routing model to distribute relief after earthquake by considering emergency roadway repair. <i>Neural Computing and Applications</i> , 2018, 30, 835-854.	5.6	58
15	Two-stage multi-objective location-routing-inventory model for humanitarian logistics network design under uncertainty. <i>International Journal of Disaster Risk Reduction</i> , 2018, 27, 290-306.	3.9	97
16	Solving group decision-making problems in manufacturing systems by an uncertain compromise ranking method. <i>International Journal of Applied Decision Sciences</i> , 2018, 11, 55.	0.3	8
17	A bi-objective model for pickup and delivery pollution-routing problem with integration and consolidation shipments in cross-docking system. <i>Journal of Cleaner Production</i> , 2018, 193, 784-801.	9.3	62
18	Analyzing project cash flow by a new interval type-2 fuzzy model with an application to construction industry. <i>Neural Computing and Applications</i> , 2017, 28, 3393-3411.	5.6	34

#	ARTICLE	IF	CITATIONS
19	A robust approach to multiple vehicle location-routing problems with time windows for optimization of cross-docking under uncertainty. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017, 32, 49-62.	1.4	27
20	An earned value model with risk analysis for project management under uncertain conditions. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017, 32, 97-113.	1.4	22
21	A New Compromise Solution Model Based on Dantzig-Wolfe Decomposition for Solving Belief Multi-Objective Nonlinear Programming Problems with Block Angular Structure. <i>International Journal of Information Technology and Decision Making</i> , 2017, 16, 333-387.	3.9	8
22	A location-inventory-pricing model in a closed loop supply chain network with correlated demands and shortages under a periodic review system. <i>Computers and Chemical Engineering</i> , 2017, 101, 148-166.	3.8	45
23	A three level joint location-inventory problem with correlated demand, shortages and periodic review system: Robust meta-heuristics. <i>Computers and Industrial Engineering</i> , 2017, 109, 113-129.	6.3	37
24	Production-inventory-routing coordination with capacity and time window constraints for perishable products: Heuristic and meta-heuristic algorithms. <i>Journal of Cleaner Production</i> , 2017, 161, 598-618.	9.3	61
25	A mathematical modeling approach for high and new technology-project portfolio selection under uncertain environments. <i>Journal of Intelligent and Fuzzy Systems</i> , 2017, 32, 4069-4079.	1.4	29
26	Enhancing decision-making flexibility by introducing a new last aggregation evaluating approach based on multi-criteria group decision making and Pythagorean fuzzy sets. <i>Applied Soft Computing Journal</i> , 2017, 61, 527-535.	7.2	92
27	Soft computing based on hierarchical evaluation approach and criteria interdependencies for energy decision-making problems: A case study. <i>Energy</i> , 2017, 118, 556-577.	8.8	39
28	A hesitant fuzzy cognitive mapping approach with risk preferences for student accommodation problems. <i>International Journal of Applied Management Science</i> , 2017, 9, 253.	0.2	5
29	A hesitant fuzzy extension of VIKOR method for evaluation and selection problems under uncertainty. <i>International Journal of Applied Management Science</i> , 2017, 9, 95.	0.2	10
30	A new enhanced support vector model based on general variable neighborhood search algorithm for supplier performance evaluation: A case study. <i>International Journal of Computational Intelligence Systems</i> , 2017, 10, 293.	2.7	9
31	A dynamic virtual air hub location problem with balancing requirements via robust optimization: Mathematical modeling and solution methods. <i>Journal of Intelligent and Fuzzy Systems</i> , 2016, 31, 1521-1534.	1.4	7
32	A new fuzzy multi-objective optimisation method with desirability function under uncertainty. <i>International Journal of Applied Decision Sciences</i> , 2016, 9, 100.	0.3	5
33	Cross-docking Location Selection in Distribution Systems: A New Intuitionistic Fuzzy Hierarchical Decision Model. <i>International Journal of Computational Intelligence Systems</i> , 2016, 9, 91.	2.7	39
34	A new multi-criteria weighting and ranking model for group decision-making analysis based on interval-valued hesitant fuzzy sets to selection problems. <i>Neural Computing and Applications</i> , 2016, 27, 1593-1605.	5.6	48
35	A high performing meta-heuristic for training support vector regression in performance forecasting of supply chain. <i>Neural Computing and Applications</i> , 2016, 27, 2441-2451.	5.6	6
36	An intelligent model for cost prediction in new product development projects. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015, 29, 2047-2057.	1.4	14

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37	A New Optimization Model for Project Portfolio Selection Under Interval-Valued Fuzzy Environment. Arabian Journal for Science and Engineering, 2015, 40, 3351-3361.	1.1	32
38	A bi-objective interval-stochastic robust optimization model for designing closed loop supply chain network with multi-priority queuing system. International Journal of Production Economics, 2015, 170, 67-87.	8.9	103
39	A new FMEA method by integrating fuzzy belief structure and TOPSIS to improve risk evaluation process. International Journal of Advanced Manufacturing Technology, 2015, 77, 357-368.	3.0	121
40	Soft computing-based preference selection index method for human resource management. Journal of Intelligent and Fuzzy Systems, 2014, 26, 393-403.	1.4	39
41	A robust optimization approach for pollution routing problem with pickup and delivery under uncertainty. Journal of Manufacturing Systems, 2014, 33, 277-286.	13.9	90
42	Solving a multi-product distribution planning problem in cross docking networks: An imperialist competitive algorithm. International Journal of Advanced Manufacturing Technology, 2014, 70, 1709-1720.	3.0	16
43	Soft computing based on a fuzzy grey group compromise solution approach with an application to the selection problem of material handling equipment. International Journal of Computer Integrated Manufacturing, 2014, 27, 547-569.	4.6	40
44	Location of cross-docking centers and vehicle routing scheduling under uncertainty: A fuzzy possibilistic-stochastic programming model. Applied Mathematical Modelling, 2014, 38, 2249-2264.	4.2	74
45	A mathematical programming model for recycling network design under uncertainty: an interval-stochastic robust optimization model. International Journal of Advanced Manufacturing Technology, 2014, 73, 1057-1071.	3.0	12
46	Design of a bi-objective reliable healthcare network with finite capacity queue under service covering uncertainty. Transportation Research, Part E: Logistics and Transportation Review, 2014, 72, 15-41.	7.4	47
47	Vehicle positioning in cell manufacturing systems via robust optimization. Applied Soft Computing Journal, 2014, 24, 78-85.	7.2	14
48	An artificial intelligence approach for fuzzy possibilistic-stochastic multi-objective logistics network design. Neural Computing and Applications, 2014, 25, 1887-1902.	5.6	10
49	Robot selection by a multiple criteria complex proportional assessment method under an interval-valued fuzzy environment. International Journal of Advanced Manufacturing Technology, 2014, 73, 687-697.	3.0	55
50	A New Hybrid Model Based on Least Squares Support Vector Machine for Project Selection Problem in Construction Industry. Arabian Journal for Science and Engineering, 2014, 39, 4301-4314.	1.1	13
51	An extended compromise ratio model with an application to reservoir flood control operation under an interval-valued intuitionistic fuzzy environment. Applied Mathematical Modelling, 2014, 38, 3495-3511.	4.2	50
52	CAD/CAM System Selection: A Multi-Component Hybrid Fuzzy MCDM Model. Arabian Journal for Science and Engineering, 2013, 38, 2579-2594.	1.1	14
53	A Molecular Algorithm for an Operation-based Job Shop Scheduling Problem. Arabian Journal for Science and Engineering, 2013, 38, 2993-3003.	1.1	4
54	Soft computing based on new interval-valued fuzzy modified multi-criteria decision-making method. Applied Soft Computing Journal, 2013, 13, 165-172.	7.2	86

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55	A new support vector model-based imperialist competitive algorithm for time estimation in new product development projects. <i>Robotics and Computer-Integrated Manufacturing</i> , 2013, 29, 157-168.	9.9	50
56	A new design of the elimination and choice translating reality method for multi-criteria group decision-making in an intuitionistic fuzzy environment. <i>Applied Mathematical Modelling</i> , 2013, 37, 1781-1799.	4.2	120
57	A new compromise solution method for fuzzy group decision-making problems with an application to the contractor selection. <i>Engineering Applications of Artificial Intelligence</i> , 2013, 26, 779-788.	8.1	79
58	Reliable design of a logistics network under uncertainty: A fuzzy possibilistic-queuing model. <i>Applied Mathematical Modelling</i> , 2013, 37, 3254-3268.	4.2	54
59	A multi-stage decision-making process for multiple attributes analysis under an interval-valued fuzzy environment. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 64, 1263-1273.	3.0	26
60	Reliable design of a closed loop supply chain network under uncertainty: An interval fuzzy possibilistic chance-constrained model. <i>Engineering Optimization</i> , 2013, 45, 745-765.	2.6	70
61	A fuzzy grey model based on the compromise ranking for multi-criteria group decision making problems in manufacturing systems. <i>Journal of Intelligent and Fuzzy Systems</i> , 2013, 24, 819-827.	1.4	15
62	Soft computing based on interval valued fuzzy ANP-A novel methodology. <i>Journal of Intelligent Manufacturing</i> , 2012, 23, 1529-1544.	7.3	23
63	Reliable design of a forward/reverse logistics network under uncertainty: A robust-M/M/c queuing model. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2012, 48, 1152-1168.	7.4	132
64	A locally linear neuro-fuzzy model for supplier selection in cosmetics industry. <i>Applied Mathematical Modelling</i> , 2012, 36, 4714-4727.	4.2	68
65	Fuzzy Possibilistic Modeling for Closed Loop Recycling Collection Networks. <i>Environmental Modeling and Assessment</i> , 2012, 17, 623-637.	2.2	41
66	Two fuzzy possibilistic bi-objective zero-one programming models for outsourcing the equipment maintenance problem. <i>Engineering Optimization</i> , 2012, 44, 801-820.	2.6	13
67	Vehicle routing scheduling using an enhanced hybrid optimization approach. <i>Journal of Intelligent Manufacturing</i> , 2012, 23, 759-774.	7.3	50
68	Extension of the ELECTRE method based on interval-valued fuzzy sets. <i>Soft Computing</i> , 2011, 15, 569-579.	3.6	94
69	Two novel FMCDM methods for alternative-fuel buses selection. <i>Applied Mathematical Modelling</i> , 2011, 35, 1396-1412.	4.2	64
70	Group decision making based on novel fuzzy modified TOPSIS method. <i>Applied Mathematical Modelling</i> , 2011, 35, 4257-4269.	4.2	149
71	A mixed-integer linear programming model along with an electromagnetism-like algorithm for scheduling job shop production system with sequence-dependent set-up times. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 47, 783-793.	3.0	12
72	Extension of VIKOR method based on interval-valued fuzzy sets. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 47, 1231-1239.	3.0	111

#	ARTICLE	IF	CITATIONS
73	Extension of the ELECTRE method for decision-making problems with interval weights and data. International Journal of Advanced Manufacturing Technology, 2010, 50, 793-800.	3.0	73