Behnam Vahdani

List of Publications by Year
in descending order

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	Group decision making based on novel fuzzy modified TOPSIS method. Applied Mathematical Modelling, 2011, 35, 4257-4269.	4.2	149
2	Reliable design of a forward/reverse logistics network under uncertainty: A robust-M/M/c queuing model. Transportation Research, Part E: Logistics and Transportation Review, 2012, 48, 1152-1168.	7.4	132
3	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
4	A new design of the elimination and choice translating reality method for multi-criteria group decision-making in an intuitionistic fuzzy environment. Applied Mathematical Modelling, 2013, 37, 1781-1799.	4.2	120
5	Extension of VIKOR method based on interval-valued fuzzy sets. International Journal of Advanced Manufacturing Technology, 2010, 47, 1231-1239.	3.0	111
6	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
7	Two-stage multi-objective location-routing-inventory model for humanitarian logistics network design under uncertainty. International Journal of Disaster Risk Reduction, 2018, 27, 290-306.	3.9	97
8	Extension of the ELECTRE method based on interval-valued fuzzy sets. Soft Computing, 2011, 15, 569-579.	3.6	94
9	Enhancing decision-making flexibility by introducing a new last aggregation evaluating approach based on multi-criteria group decision making and Pythagorean fuzzy sets. Applied Soft Computing Journal, 2017, 61, 527-535.	7.2	92
10	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
11	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
12	A new compromise solution method for fuzzy group decision-making problems with an application to the contractor selection. Engineering Applications of Artificial Intelligence, 2013, 26, 779-788.	8.1	79
13	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
14	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
15	Reliable design of a closed loop supply chain network under uncertainty: An interval fuzzy possibilistic chance-constrained model. Engineering Optimization, 2013, 45, 745-765.	2.6	70
16	A locally linear neuro-fuzzy model for supplier selection in cosmetics industry. Applied Mathematical Modelling, 2012, 36, 4714-4727.	4.2	68
17	Two novel FMCDM methods for alternative-fuel buses selection. Applied Mathematical Modelling, 2011, 35, 1396-1412.	4.2	64
18	A bi-objective model for pickup and delivery pollution-routing problem with integration and consolidation shipments in cross-docking system. Journal of Cleaner Production, 2018, 193, 784-801.	9.3	62

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19	Production-inventory-routing coordination with capacity and time window constraints for perishable products: Heuristic and meta-heuristic algorithms. Journal of Cleaner Production, 2017, 161, 598-618.	9.3	61
20	Multi-objective, multi-period location-routing model to distribute relief after earthquake by considering emergency roadway repair. Neural Computing and Applications, 2018, 30, 835-854.	5.6	58
21	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
22	Reliable design of a logistics network under uncertainty: A fuzzy possibilistic-queuing model. Applied Mathematical Modelling, 2013, 37, 3254-3268.	4.2	54
23	A robust neutrosophic fuzzy-based approach to integrate reliable facility location and routing decisions for disaster relief under fairness and aftershocks concerns. Computers and Industrial Engineering, 2020, 148, 106734.	6.3	52
24	Vehicle routing scheduling using an enhanced hybrid optimization approach. Journal of Intelligent Manufacturing, 2012, 23, 759-774.	7.3	50
25	A new support vector model-based imperialist competitive algorithm for time estimation in new product development projects. Robotics and Computer-Integrated Manufacturing, 2013, 29, 157-168.	9.9	50
26	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
27	A new multi-criteria weighting and ranking model for group decision-making analysis based on interval-valued hesitant fuzzy sets to selection problems. Neural Computing and Applications, 2016, 27, 1593-1605.	5.6	48
28	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
29	A location-inventory-pricing model in a closed loop supply chain network with correlated demands and shortages under a periodic review system. Computers and Chemical Engineering, 2017, 101, 148-166.	3.8	45
30	Robust gasoline closed loop supply chain design with redistricting, service sharing and intra-district service transfer. Transportation Research, Part E: Logistics and Transportation Review, 2019, 123, 121-141.	7.4	45
31	Fuzzy Possibilistic Modeling for Closed Loop Recycling Collection Networks. Environmental Modeling and Assessment, 2012, 17, 623-637.	2.2	41
32	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
33	Soft computing-based preference selection index method for human resource management. Journal of Intelligent and Fuzzy Systems, 2014, 26, 393-403.	1.4	39
34	Cross-docking Location Selection in Distribution Systems: A New Intuitionistic Fuzzy Hierarchical Decision Model. International Journal of Computational Intelligence Systems, 2016, 9, 91.	2.7	39
35	Soft computing based on hierarchical evaluation approach and criteria interdependencies for energy decision-making problems: A case study. Energy, 2017, 118, 556-577.	8.8	39
36	A three level joint location-inventory problem with correlated demand, shortages and periodic review system: Robust meta-heuristics. Computers and Industrial Engineering, 2017, 109, 113-129.	6.3	37

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37	Analyzing project cash flow by a new interval type-2 fuzzy model with an application to construction industry. Neural Computing and Applications, 2017, 28, 3393-3411.	5.6	34
38	Resilient Supplier Selection Through Introducing a New Interval-Valued Intuitionistic Fuzzy Evaluation and Decision-Making Framework. Arabian Journal for Science and Engineering, 2019, 44, 7351-7360.	3.0	34
39	Assignment and scheduling trucks in cross-docking system with energy consumption consideration and trucks queuing. Journal of Cleaner Production, 2019, 213, 21-41.	9.3	33
40	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
41	Bi-objective optimization for integrating quay crane and internal truck assignment with challenges of trucks sharing. Knowledge-Based Systems, 2019, 163, 675-692.	7.1	30
42	A mathematical modeling approach forÂhighÂand new technology-project portfolio selection under uncertain environments. Journal of Intelligent and Fuzzy Systems, 2017, 32, 4069-4079.	1.4	29
43	A NEW DECISION MODEL FOR CROSS-DOCKING CENTER LOCATION IN LOGISTICS NETWORKS UNDER INTERVAL-VALUED INTUITIONISTIC FUZZY UNCERTAINTY. Transport, 2019, 34, 30-40.	1.2	29
44	A robust approach to multiple vehicleÂlocation-routing problems withÂtimeÂwindows for optimization ofÂcross-docking under uncertainty. Journal of Intelligent and Fuzzy Systems, 2017, 32, 49-62.	1.4	27
45	A multi-stage decision-making process for multiple attributes analysis under an interval-valued fuzzy environment. International Journal of Advanced Manufacturing Technology, 2013, 64, 1263-1273.	3.0	26
46	Soft computing based on interval valued fuzzy ANP-A novel methodology. Journal of Intelligent Manufacturing, 2012, 23, 1529-1544.	7.3	23
47	An earned value model with risk analysis for project management under uncertain conditions. Journal of Intelligent and Fuzzy Systems, 2017, 32, 97-113.	1.4	22
48	Designing a bio-fuel network considering links reliability and risk-pooling effect in bio-refineries. Reliability Engineering and System Safety, 2018, 174, 96-107.	8.9	17
49	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
50	A fuzzy grey model based on the compromise ranking for multi-criteria group decision making problems in manufacturing systems. Journal of Intelligent and Fuzzy Systems, 2013, 24, 819-827.	1.4	15
51	CAD/CAM System Selection: A Multi-Component Hybrid Fuzzy MCDM Model. Arabian Journal for Science and Engineering, 2013, 38, 2579-2594.	1.1	14
52	Vehicle positioning in cell manufacturing systems via robust optimization. Applied Soft Computing Journal, 2014, 24, 78-85.	7.2	14
53	An intelligent model for cost prediction in new product development projects. Journal of Intelligent and Fuzzy Systems, 2015, 29, 2047-2057.	1.4	14
54	Designing a realistic ICT closed loop supply chain network with integrated decisions under uncertain demand and lead time. Knowledge-Based Systems, 2019, 179, 34-54.	7.1	14

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55	Two fuzzy possibilistic bi-objective zero-one programming models for outsourcing the equipment maintenance problem. Engineering Optimization, 2012, 44, 801-820.	2.6	13
56	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
57	Designing a resilient and reliable biomass-to-biofuel supply chain under risk pooling and congestion effects and fleet management. Journal of Cleaner Production, 2021, 281, 125101.	9.3	13
58	A mixed-integer linear programming model along with an electromagnetism-like algorithm for scheduling job shop production system with sequence-dependent set-up times. International Journal of Advanced Manufacturing Technology, 2010, 47, 783-793.	3.0	12
59	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
60	Planning for relief distribution, victim evacuation, redistricting and service sharing under uncertainty. Socio-Economic Planning Sciences, 2022, 80, 101158.	5.0	12
61	An artificial intelligence approach for fuzzy possibilistic-stochastic multi-objective logistics network design. Neural Computing and Applications, 2014, 25, 1887-1902.	5.6	10
62	A hesitant fuzzy extension of VIKOR method for evaluation and selection problems under uncertainty. International Journal of Applied Management Science, 2017, 9, 95.	0.2	10
63	Synchronizing victim evacuation and debris removal: A data-driven robust prediction approach. European Journal of Operational Research, 2022, 300, 689-712.	5.7	10
64	A new enhanced support vector model based on general variable neighborhood search algorithm for supplier performance evaluation: A case study. International Journal of Computational Intelligence Systems, 2017, 10, 293.	2.7	9
65	A New Compromise Solution Model Based on Dantzig–Wolfe Decomposition for Solving Belief Multi-Objective Nonlinear Programming Problems with Block Angular Structure. International Journal of Information Technology and Decision Making, 2017, 16, 333-387.	3.9	8
66	Solving group decision-making problems in manufacturing systems by an uncertain compromise ranking method. International Journal of Applied Decision Sciences, 2018, 11, 55.	0.3	8
67	A truck scheduling problem at a cross-docking facility with mixed service mode dock doors. Engineering Computations, 2019, 36, 1977-2009.	1.4	8
68	A dynamic virtual air hub location problem with balancing requirements via robust optimization: Mathematical modeling andÂsolution methods. Journal of Intelligent and Fuzzy Systems, 2016, 31, 1521-1534.	1.4	7
69	A high performing meta-heuristic for training support vector regression in performance forecasting of supply chain. Neural Computing and Applications, 2016, 27, 2441-2451.	5.6	6
70	A new fuzzy multi-objective optimisation method with desirability function under uncertainty. International Journal of Applied Decision Sciences, 2016, 9, 100.	0.3	5
71	A hesitant fuzzy cognitive mapping approach with risk preferences for student accommodation problems. International Journal of Applied Management Science, 2017, 9, 253.	0.2	5
72	Incorporating Price-Dependent Demands into a Multi-Echelon Closed-Loop Network Considering the Lost Sales and Backorders: a Case Study of Wireless Network. Networks and Spatial Economics, 2021, 21, 639-680.	1.6	5

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73	A Molecular Algorithm for an Operation-based Job Shop Scheduling Problem. Arabian Journal for Science and Engineering, 2013, 38, 2993-3003.	1.1	4