

Seyed jafar Sadjadi

List of Publications by Year in descending order

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125
papers

3,133
citations

126708

33
h-index

189595

50
g-index

129
all docs

129
docs citations

129
times ranked

2499
citing authors

#	ARTICLE	IF	CITATIONS
1	Fuzzy chance-constrained data envelopment analysis: a structured literature review, current trends, and future directions. <i>Fuzzy Optimization and Decision Making</i> , 2022, 21, 197-261.	3.4	25
2	Ordering and pricing decisions of regular products in a supply chain with the effects of product-specific gift cards. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2022, 47, 1.	0.8	0
3	Robust Maintenance Scheduling of Aircraft Fleet: A Hybrid Simulation-Optimization Approach. <i>IEEE Access</i> , 2021, 9, 17854-17865.	2.6	10
4	An integration of environmental awareness into flexible supply chains: a trade-off between costs and environmental pollution. <i>Environmental Science and Pollution Research</i> , 2021, , 1.	2.7	5
5	Developing natural-gas-supply security to mitigate distribution disruptions: A case study of the National Iranian Gas Company. <i>Journal of Cleaner Production</i> , 2020, 254, 120066.	4.6	7
6	A robust optimization model for a biofuel supply chain under demand uncertainty. <i>International Journal of Energy and Environmental Engineering</i> , 2020, 11, 229-245.	1.3	10
7	Optimization of high-strength self-consolidating concrete mix design using an improved Taguchi optimization method. <i>Construction and Building Materials</i> , 2020, 236, 117547.	3.2	59
8	Performance assessment of medical diagnostic laboratories: A network DEA approach. <i>Journal of Evaluation in Clinical Practice</i> , 2020, 26, 1504-1511.	0.9	9
9	A decision-making model for performance evaluation and profit sharing in a diagnostic laboratory network. <i>Journal of Evaluation in Clinical Practice</i> , 2020, 26, 1498-1503.	0.9	1
10	Impact of pricing structure on supply chain coordination with cooperative advertising. <i>RAIRO - Operations Research</i> , 2020, 54, 1613-1629.	1.0	10
11	Optimal pricing and ordering strategy for non-instantaneous deteriorating items with price and stock sensitive demand and capacity constraint. <i>International Journal of Systems Science: Operations and Logistics</i> , 2020, , 1-12.	2.0	9
12	Sustainable efficiency assessment of private diagnostic laboratories under uncertainty. <i>Journal of Modelling in Management</i> , 2020, 15, 1069-1103.	1.1	4
13	Data envelopment analysis and robust optimization: A review. <i>Expert Systems</i> , 2020, 37, e12534.	2.9	55
14	Linguistic Z-number weighted averaging operators and their application to portfolio selection problem. <i>PLoS ONE</i> , 2020, 15, e0227307.	1.1	16
15	Linguistic Z-Number Bonferroni Mean and Linguistic Z-Number Geometric Bonferroni Mean Operators: Their Applications in Portfolio Selection Problems. <i>IEEE Access</i> , 2020, 8, 98742-98760.	2.6	12
16	An improved approach for fault detection by simultaneous overcoming of high-dimensionality, autocorrelation, and time-variability. <i>PLoS ONE</i> , 2020, 15, e0243146.	1.1	5
17	A multi-product, multi-period model to select supplier for deteriorating products while considering uncertainty as well as backorder. <i>Journal of Industrial Engineering International</i> , 2019, 15, 93-101.	1.8	2
18	Pricing decisions in a decentralized biofuel supply chain with RIN mechanism. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2019, 14, 254-273.	1.8	5

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19	A portfolio selection model based on the knapsack problem under uncertainty. PLoS ONE, 2019, 14, e0213652.	1.1	10
20	The design of the vaccine supply network under uncertain condition. Journal of Modelling in Management, 2019, 14, 841-871.	1.1	23
21	A mathematical model for project scheduling and material ordering problem with sustainability considerations: A case study in Iran. Computers and Industrial Engineering, 2019, 128, 690-710.	3.4	54
22	Impacts of government direct limitation on pricing, greening activities and recycling management in an online to offline closed loop supply chain. Journal of Cleaner Production, 2019, 215, 1327-1340.	4.6	74
23	A note on a new approach for ranking fuzzy numbers based on possibility theory. Decision Science Letters, 2019, , 81-84.	0.5	4
24	An economic order quantity for deteriorating items with allowable rework of deteriorated products. Journal of Industrial and Management Optimization, 2019, 15, 1857-1879.	0.8	8
25	Technology valuation of NTBFs in the field of cleaner production with regard to the investors' flexibilities and uncertainties in public policy. Scientia Iranica, 2019, .	0.3	0
26	Ordering policies for non-instantaneous deteriorating items under hybrid partial prepayment, partial trade credit and partial backordering. Journal of the Operational Research Society, 2018, 69, 1167-1196.	2.1	49
27	Best-worst multi-criteria decision-making method: A robust approach. Decision Science Letters, 2018, , 323-340.	0.5	40
28	A new MCDM-based approach using BWM and SAW for optimal search model. Decision Science Letters, 2018, , 395-404.	0.5	25
29	Resource-constrained project scheduling problem: review of past and recent developments. Journal of Project Management, 2018, , 55-88.	0.8	73
30	A supplier selection model in pharmaceutical supply chain using PCA, Z-TOPSIS and MILP: A case study. PLoS ONE, 2018, 13, e0201604.	1.1	40
31	Retailer Stackelberg game in a supply chain with pricing and service decisions and simple price discount contract. PLoS ONE, 2018, 13, e0195109.	1.1	18
32	A location-inventory-routing optimization model for cost effective design of microalgae biofuel distribution system: A case study in Iran. Energy Strategy Reviews, 2018, 22, 82-93.	3.3	17
33	A stochastic multi-objective model based on the classical optimal search model for searching for the people who are lost in response stage of earthquake. Scientia Iranica, 2018, .	0.3	5
34	A Mathematical Model for Competitive Location Problem with Product Selection. Scientia Iranica, 2018, .	0.3	1
35	Robust supply chain network design: an optimization model with real world application. Annals of Operations Research, 2017, 257, 15-44.	2.6	84
36	A multi-objective robust optimization model for site-selection and capacity allocation of municipal solid waste facilities: A case study in Tehran. Journal of Cleaner Production, 2017, 166, 816-834.	4.6	111

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37	Theoretical Drawbacks in Fuzzy Ranking Methods and Some Suggestions for a Meaningful Comparison: An Application to Fuzzy Risk Analysis. <i>Cybernetics and Systems</i> , 2017, 48, 551-575.	1.6	9
38	A Note on "An Inventory Model for Deteriorating Items with Stock and Price Sensitive Demand". <i>International Journal of Applied and Computational Mathematics</i> , 2017, 3, 2745-2746.	0.9	0
39	Corrigendum to "A New Biobjective Model to Optimize Integrated Redundancy Allocation and Reliability-Centered Maintenance Problems in a System Using Metaheuristics". <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-1.	0.6	0
40	Optimal pricing and marketing planning for deteriorating items. <i>PLoS ONE</i> , 2017, 12, e0172758.	1.1	3
41	Robust network data envelopment analysis approach to evaluate the efficiency of regional electricity power networks under uncertainty. <i>PLoS ONE</i> , 2017, 12, e0184103.	1.1	9
42	Developing a location-inventory-routing model using METRIC approach in inventory policy. <i>Uncertain Supply Chain Management</i> , 2017, , 337-358.	2.3	6
43	A fuzzy multi-objective multi-product supplier selection and order allocation problem in supply chain under coverage and price considerations: An urban agricultural case study. <i>Scientia Iranica</i> , 2017, .	0.3	6
44	Artificial intelligence combined with nonlinear optimization techniques and their application for yield curve optimization. <i>Journal of Industrial and Management Optimization</i> , 2017, 13, 1701-1721.	0.8	1
45	Equilibrium pricing and ordering policies in a two-echelon supply chain in the presence of strategic customers. <i>Anais Da Academia Brasileira De Ciencias</i> , 2016, 88, 1127-1150.	0.3	3
46	A robust optimization model for humanitarian relief chain design under uncertainty. <i>Applied Mathematical Modelling</i> , 2016, 40, 7996-8016.	2.2	104
47	A firefly algorithm for solving competitive location-design problem: a case study. <i>Journal of Industrial Engineering International</i> , 2016, 12, 517-527.	1.8	14
48	Project cost"quality"risk tradeoff analysis in a time-constrained problem. <i>Computers and Industrial Engineering</i> , 2016, 95, 111-121.	3.4	49
49	A probabilistic portfolio budget allocation problem with CPI index under risk. <i>Journal of Industrial and Production Engineering</i> , 2016, 33, 236-246.	2.1	3
50	A robust approach to design a single facility layout plan in dynamic manufacturing environments using a permutation-based genetic algorithm. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2016, 230, 2264-2274.	1.5	14
51	A scenario-based robust optimization approach for batch processing scheduling. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2016, 230, 2286-2295.	1.5	10
52	Applying queuing approach for a stochastic location-inventory problem with two different mean inventory considerations. <i>Applied Mathematical Modelling</i> , 2016, 40, 578-596.	2.2	42
53	Optimizing supply chain network design with location-inventory decisions for perishable items: A Pareto-based MOEA approach. <i>Scientia Iranica</i> , 2016, 23, 3025-3045.	0.3	5
54	Dynamic Pricing of a Web Service in an Advance Selling Environment. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-21.	0.6	3

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55	A New Biobjective Model to Optimize Integrated Redundancy Allocation and Reliability-Centered Maintenance Problems in a System Using Metaheuristics. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-16.	0.6	5
56	Robust series-parallel systems design under combined interval-ellipsoidal uncertainty sets. <i>Journal of Manufacturing Systems</i> , 2015, 37, 33-43.	7.6	2
57	Joint pricing and production management: a geometric programming approach with consideration of cubic production cost function. <i>Journal of Industrial Engineering International</i> , 2015, 11, 209-223.	1.8	12
58	Robust counterpart optimization for the redundancy allocation problem in series-parallel systems with component mixing under uncertainty. <i>Applied Mathematics and Computation</i> , 2015, 271, 80-88.	1.4	13
59	Determining strategy of pricing for a web service with different QoS levels and reservation level constraint. <i>Applied Mathematical Modelling</i> , 2015, 39, 3784-3813.	2.2	9
60	Minimum-Maximum regret redundancy allocation with the choice of redundancy strategy and multiple choice of component type under uncertainty. <i>Computers and Industrial Engineering</i> , 2015, 79, 204-213.	3.4	25
61	A ROBUST OPTIMIZATION APPROACH FOR INDEX TRACKING PROBLEM. <i>Journal of Computer Science</i> , 2014, 10, 2450-2463.	0.5	5
62	Reliability optimization through robust redundancy allocation models with choice of component type under fuzziness. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2014, 228, 449-459.	0.6	8
63	Solving a new bi-objective joint replenishment inventory model with modified RAND and genetic algorithms. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2014, 22, 1338-1353.	0.9	1
64	A single-vendor single-buyer joint economic lot size model subject to budget constraints. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 70, 1699-1707.	1.5	9
65	Location based treatment activities for end of life products network design under uncertainty by a robust multi-objective memetic-based heuristic approach. <i>Applied Soft Computing Journal</i> , 2014, 23, 215-226.	4.1	22
66	Interval programming for the redundancy allocation with choices of redundancy strategy and component type under uncertainty: Erlang time to failure distribution. <i>Applied Mathematics and Computation</i> , 2014, 244, 413-421.	1.4	19
67	Robust cold standby redundancy allocation for nonrepairable series-parallel systems through Min-Max regret formulation and Benders decomposition method. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2014, 228, 254-264.	0.6	12
68	A model to enhance the reliability of the serial parallel systems with component mixing. <i>Applied Mathematical Modelling</i> , 2014, 38, 1064-1076.	2.2	25
69	Augmented $\hat{\mu}$ -constraint method in multiobjective staff scheduling problem: a case study. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 70, 1505-1514.	1.5	13
70	Robust optimal dynamic production/pricing policies in a closed-loop system. <i>Applied Mathematical Modelling</i> , 2013, 37, 8141-8161.	2.2	34
71	Dynamic dairy facility location and supply chain planning under traffic congestion and demand uncertainty: A case study of Tehran. <i>Applied Mathematical Modelling</i> , 2013, 37, 8467-8483.	2.2	49
72	A fuzzy compromise programming approach for the Black-Litterman portfolio selection model. <i>Decision Science Letters</i> , 2013, 2, 11-22.	0.5	12

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73	A new approach to evaluate railways efficiency considering safety measures. <i>Decision Science Letters</i> , 2013, 2, 71-80.	0.5	8
74	Supplier selection under uncertainty: A case study of home appliances maker. <i>Uncertain Supply Chain Management</i> , 2013, 1, 25-32.	2.3	3
75	A state-of-art review on supplier selection problem. <i>Decision Science Letters</i> , 2013, 2, 59-70.	0.5	12
76	Developing a multi-objective, multi-item inventory model and three algorithms for its solution. <i>Journal of Zhejiang University: Science C</i> , 2012, 13, 601-612.	0.7	5
77	Vehicle routing problem with uncertain demands: An advanced particle swarm algorithm. <i>Computers and Industrial Engineering</i> , 2012, 62, 306-317.	3.4	91
78	Optimal pricing, lot-sizing and marketing planning in a capacitated and imperfect production system. <i>Computers and Industrial Engineering</i> , 2012, 62, 349-358.	3.4	19
79	The periodicity and robustness in a single-track train scheduling problem. <i>Applied Soft Computing Journal</i> , 2012, 12, 440-452.	4.1	32
80	Robust optimization framework for cardinality constrained portfolio problem. <i>Applied Soft Computing Journal</i> , 2012, 12, 91-99.	4.1	33
81	A robust critical path in an environment with hybrid uncertainty. <i>Applied Soft Computing Journal</i> , 2012, 12, 1087-1100.	4.1	12
82	Solving a periodic single-track train timetabling problem by an efficient hybrid algorithm. <i>Engineering Applications of Artificial Intelligence</i> , 2012, 25, 793-800.	4.3	38
83	Alternative design redundancy allocation using an efficient heuristic and a honey bee mating algorithm. <i>Expert Systems With Applications</i> , 2012, 39, 990-999.	4.4	26
84	Robust Train Timetabling Problem: Mathematical Model and Branch and Bound Algorithm. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2012, 13, 307-317.	4.7	69
85	An efficient algorithm to solve a multi-objective robust aggregate production planning in an uncertain environment. <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 58, 765-782.	1.5	55
86	A new nonlinear stochastic staff scheduling model. <i>Scientia Iranica</i> , 2011, 18, 699-710.	0.3	27
87	Design a new intelligence expert decision making using game theory and fuzzy AHP to risk management in design, construction, and operation of tunnel projects (case studies: Resalat tunnel). <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 53, 789-798.	1.5	25
88	A hybrid method for flowshops scheduling with condition-based maintenance constraint and machines breakdown. <i>Expert Systems With Applications</i> , 2011, 38, 2020-2029.	4.4	36
89	An interactive robust data envelopment analysis model for determining alternative targets in Iranian electricity distribution companies. <i>Expert Systems With Applications</i> , 2011, 38, 9830-9839.	4.4	43
90	A robust super-efficiency data envelopment analysis model for ranking of provincial gas companies in Iran. <i>Expert Systems With Applications</i> , 2011, 38, 10875-10881.	4.4	71

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91	Fuzzy multi period portfolio selection with different rates for borrowing and lending. Applied Soft Computing Journal, 2011, 11, 3821-3826.	4.1	51
92	A Multiobjective Stochastic Production-Distribution Planning Problem in an Uncertain Environment Considering Risk and Workers Productivity. Mathematical Problems in Engineering, 2011, 2011, 1-14.	0.6	17
93	Multiproduct EPQ model with single machine, backordering and immediate rework process. European Journal of Industrial Engineering, 2011, 5, 388.	0.5	54
94	Integrating Strategic and Tactical Decisions to Robust Designing of Cellular Manufacturing under Uncertainty: Fixed Suppliers in Supply Chain. International Journal of Computational Intelligence Systems, 2011, 4, 837-854.	1.6	5
95	Strategic and Tactical Design of Competing Decentralized Supply Chain Networks with Risk-Averse Participants for Markets with Uncertain Demand. Mathematical Problems in Engineering, 2011, 2011, 1-27.	0.6	19
96	Optimal Electronic Pricing With Uncertain Parameters. , 2010, , .		0
97	An empirical analysis on robust Vehicle Routing Problem: a case study on drug industry. International Journal of Logistics Systems and Management, 2010, 7, 507.	0.2	9
98	Scheduling flowshops with condition-based maintenance constraint to minimize expected makespan. International Journal of Advanced Manufacturing Technology, 2010, 46, 757-767.	1.5	31
99	Minimizing total flow time subject to preemption penalties in online scheduling. International Journal of Advanced Manufacturing Technology, 2010, 47, 227-236.	1.5	10
100	A robust optimization model for p-median problem with uncertain edge lengths. International Journal of Advanced Manufacturing Technology, 2010, 50, 391-397.	1.5	17
101	Multi-product production quantity model with repair failure and partial backordering. Computers and Industrial Engineering, 2010, 59, 45-54.	3.4	69
102	Fuzzy pricing and marketing planning model: A possibilistic geometric programming approach. Expert Systems With Applications, 2010, 37, 3392-3397.	4.4	34
103	A bootstrapped robust data envelopment analysis model for efficiency estimating of telecommunication companies in Iran. Telecommunications Policy, 2010, 34, 221-232.	2.6	53
104	Robust train formation planning. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2010, 224, 75-90.	1.3	10
105	Scheduling trucks in cross-docking systems: A robust meta-heuristics approach. Transportation Research, Part E: Logistics and Transportation Review, 2010, 46, 650-666.	3.7	76
106	An integrated pricing and lot sizing model with reliability consideration. , 2009, , .		0
107	Optimal pricing model for electronic products. Computers and Industrial Engineering, 2009, 56, 255-259.	3.4	22
108	A new mathematical modeling and a genetic algorithm search for milk run problem (an auto industry) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 194-200.	1.5	55

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109	An efficient heuristic versus a robust hybrid meta-heuristic for general framework of serial-parallel redundancy problem. Reliability Engineering and System Safety, 2009, 94, 1703-1710.	5.1	28
110	An extended discrete particle swarm optimization algorithm for the dynamic facility layout problem. Journal of Zhejiang University: Science A, 2009, 10, 520-529.	1.3	40
111	A Geometric Programming Approach for a Nonlinear Joint Production-Marketing Problem. , 2009, , .		2
112	Data envelopment analysis with uncertain data: An application for Iranian electricity distribution companies. Energy Policy, 2008, 36, 4247-4254.	4.2	151
113	Integrating goal programming, Kuhn-Tucker conditions, and penalty function approaches to solve linear bi-level programming problems. Applied Mathematics and Computation, 2008, 195, 585-590.	1.4	25
114	The General Flowshop Scheduling Problem: Mathematical Models. Journal of Applied Sciences, 2008, 8, 3032-3037.	0.1	6
115	An Ant Colony Algorithm for the Flowshop Scheduling Problem. Journal of Applied Sciences, 2008, 8, 3938-3944.	0.1	8
116	A Robust Optimization Model for Resource Allocation Problem with Different Time Cycles. Journal of Applied Sciences, 2008, 8, 2462-2467.	0.1	0
117	An application of efficient frontier in transportation of hazardous materials. Computers and Industrial Engineering, 2007, 53, 357-360.	3.4	10
118	Mixed binary integer programming formulations for the flow shop scheduling problems. A case study: ISD projects scheduling. Applied Mathematics and Computation, 2007, 185, 218-228.	1.4	17
119	A probabilistic bi-level linear multi-objective programming problem to supply chain planning. Applied Mathematics and Computation, 2007, 188, 786-800.	1.4	155
120	A modular approach to ERP system selection. Information Management and Computer Security, 2006, 14, 485-495.	1.2	40
121	An efficient genetic algorithm for determining the optimal price discrimination. Applied Mathematics and Computation, 2006, 181, 1693-1702.	1.4	11
122	Optimal Production and Marketing Planning. Computational Optimization and Applications, 2005, 30, 195-203.	0.9	54
123	A dynamic programming approach to solve efficient frontier. Mathematical Methods of Operations Research, 2004, 60, 203-214.	0.4	6
124	Advances in trust region algorithms for constrained optimization. Applied Numerical Mathematics, 1999, 29, 423-443.	1.2	6
125	Optimization and Mathematical Programming to Design and Planning Issues in Cellular Manufacturing Systems under Uncertain Situations. , 0, , 539-558.		0